SAMSUNG

SM-Z200F

User Manual

English. 07/2016. Rev.1.0

www.samsung.com

Table of Contents

Basics

4 Read me first
5 Package contents
6 Device layout
8 Battery
13 SIM or USIM card
15 Memory card
17 Turning the device on and off
17 Touchscreen
20 Home screen
25 Lock screen
26 Notification panel
27 Entering text
28 Screen capture
29 Opening apps
29 Device and data management
33 Sharing files with contacts

Applications

34 Installing or uninstalling apps
35 Phone
38 Contacts
40 Messages
41 Internet
42 Email
43 Camera
51 Gallery
52 Calendar
54 Music
55 Video
56 Voice Recorder
57 My Files
57 Memo
58 Clock
60 Calculator
60 FM Radio
61 Theme Store
61 Hints
62 Smart Manager
63 Google apps

Settings

64 Introduction
64 Wi-Fi
66 Bluetooth
68 Data usage
69 Hotspot and tethering
70 SIM card manager
71 Flight mode
71 Mobile networks
71 Sounds and notifications
72 Display
72 Apps
73 Styler
73 Special days

73 Lock screen
74 Privacy and security
78 Accounts
79 Backup and reset
79 Language and input
79 Battery
80 Storage and RAM
80 Date and time
80 About device

Appendix

81 Troubleshooting

Basics

Read me first

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

- Descriptions are based on the device's default settings.
- Some content may differ from your device depending on the region, service provider, model specifications, 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 customise the operating system may cause the device or apps to work improperly.
- Software, sound sources, wallpapers, images, and other media provided with this device are licensed for limited use. Extracting and using these materials for commercial or other purposes is an infringement of copyright laws. Users are entirely responsible for illegal use of media.
- You may incur additional charges for data services, such as messaging, uploading and downloading, auto-syncing, or using location services depending on your data plan. For large data transfers, it is recommended to use the Wi-Fi feature.
- Default apps that come with the device are subject to updates and may no longer be supported without prior notice. If you have questions about an app provided with the device, contact a Samsung Service Centre. For user-installed apps, contact service providers.
- Modifying the device's operating system or installing softwares from unofficial sources may result in device malfunctions and data corruption or loss. These actions are violations of your Samsung licence agreement and will void your warranty.
- Depending on the region, you can view the regulatory information on the device. To view the information, on the Apps screen, tap **Settings** → **About device** → **Legal information**.

Instructional icons

Warning: situations that could cause injury to yourself or others

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

Notice: notes, usage tips, or additional information

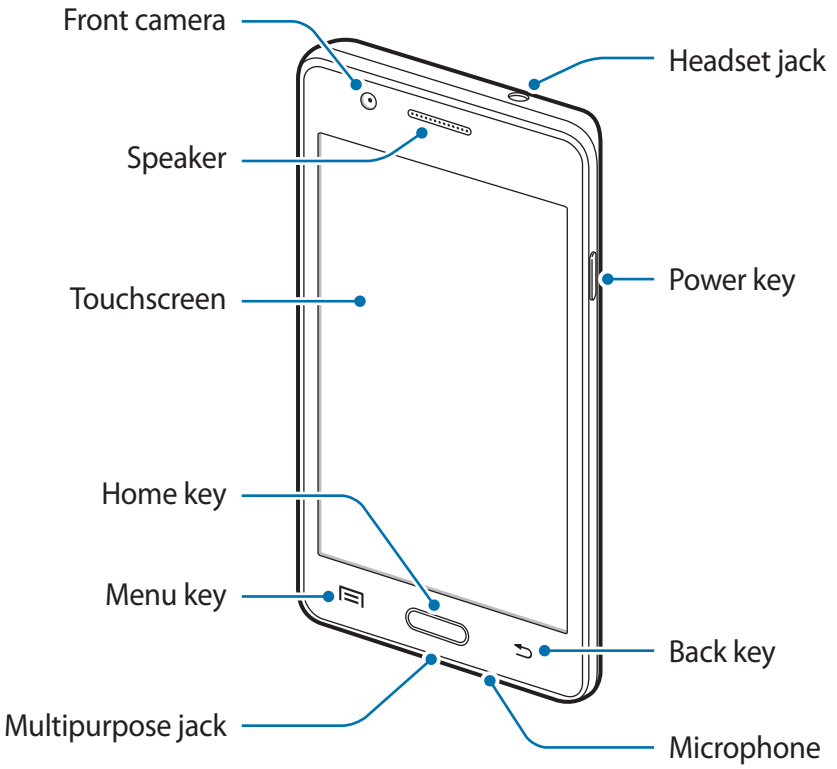
Package contents

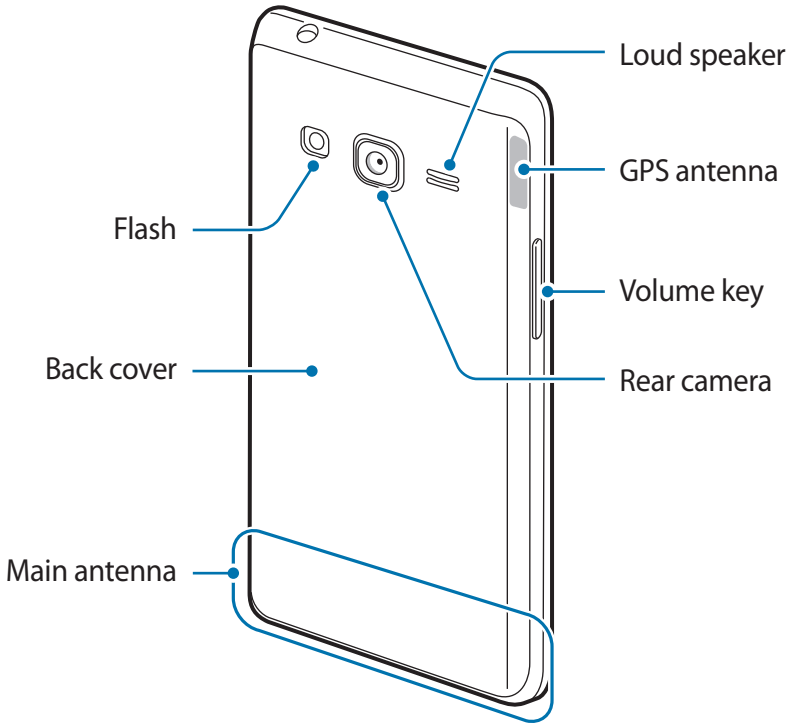
Check the product box for the following items:

- Device
- Battery
- 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 the performance problems and malfunctions that are not covered by the warranty.
- Availability of all accessories is subject to change depending entirely on manufacturing companies. For more information about available accessories, refer to the Samsung website.

Device layout





- Connectivity problems and battery drain may occur in the following situations:
  - If you attach metallic stickers on the antenna area of the device
  - If you attach a device cover made with metallic material to the device
  - If you cover the device's antenna area with your hands or other objects while using certain features, such as calls or the mobile data connection
- Using a Samsung-approved screen protector is recommended. Unapproved screen protectors may cause the sensors to malfunction.
- Do not allow water to contact the touchscreen. The touchscreen may malfunction in humid conditions or when exposed to water.

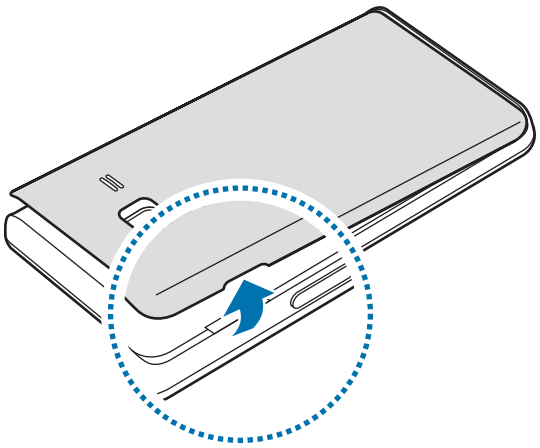
Keys

Key	Function
Power	• Press and hold to turn the device on or off. • Press to turn on or lock the screen.
Menu	• Tap to open the list of options available for the current screen.
Home	• Press to turn on the screen while the screen is locked. • Press to return to the Home screen. • Press and hold to open the list of recent apps.
Back	• Tap to return to the previous screen.
Volume	• Press to adjust the device volume.

Battery

Installing the battery

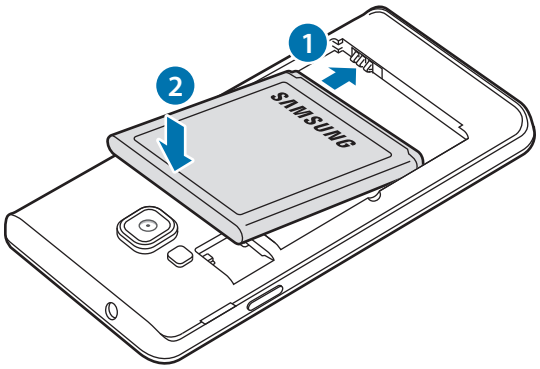
1 Remove the back cover.



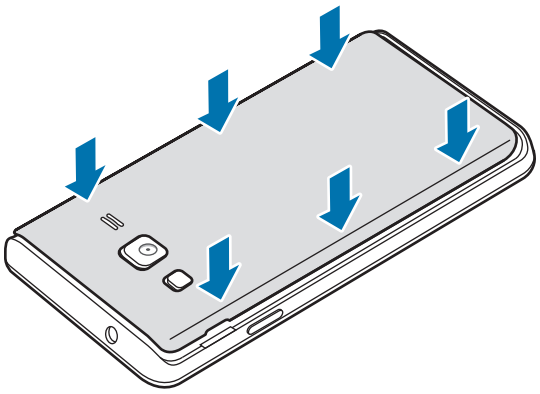
Be careful not to damage your fingernails when you remove the back cover.

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

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



3 Replace the back cover.

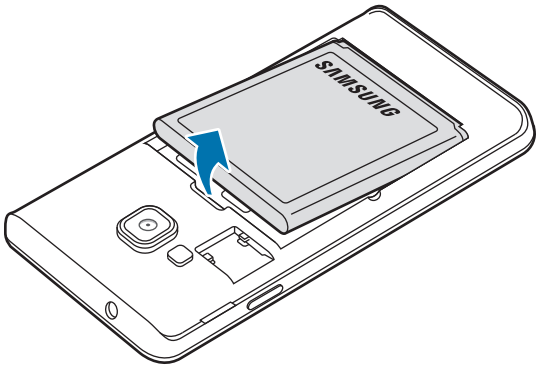


- Ensure that the back cover is closed tightly.
- Use only Samsung-approved back covers and accessories with the device.

Removing the battery

1 Remove the back cover.

2 Pull out the battery.

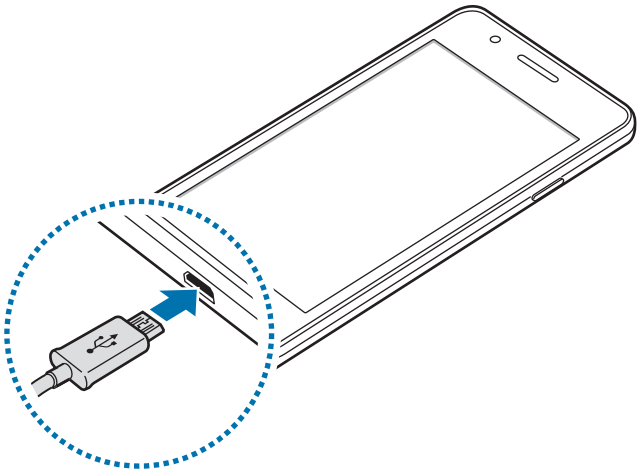


Charging the battery

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

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

1 Connect the USB cable to the USB power adaptor, and then plug the end of the USB cable into the multipurpose jack.



Connecting the charger improperly may cause serious damage to the device. Any damage caused by misuse is not covered by the warranty.

2 Plug the USB power adaptor into an electric socket.

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

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 various options that help you conserve battery power.

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

Battery charging tips and precautions

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

- While charging, the device and the charger may heat up. This is normal and should not affect the device's lifespan or performance. If the battery gets hotter than usual, the charger may stop charging.
- If the device is not charging properly, take the device and the charger to a Samsung Service Centre.

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 Home screen, drag the favourite apps panel upwards, tap **Settings** → **Battery** → **Ultra power saving mode**, and then tap the **Ultra power saving mode** switch to activate it.

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

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

SIM or USIM card

Installing the SIM or USIM card

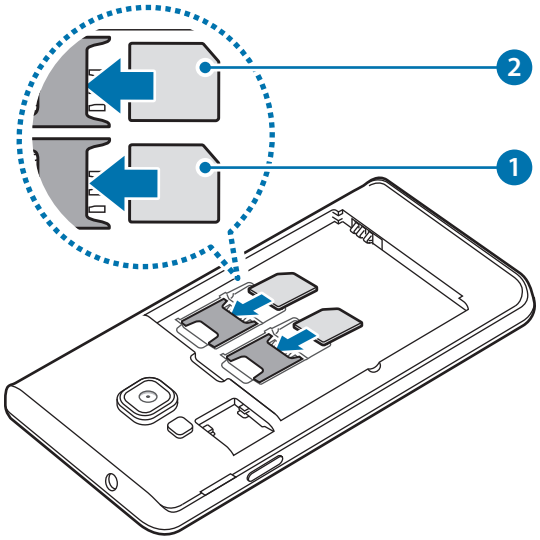
Insert the SIM or USIM card provided by the mobile telephone service provider.

Only microSIM cards work with the device.

1 Remove the back cover and battery.

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

Insert the primary SIM or USIM card into SIM card slot 1 (1) and the secondary SIM or USIM card into SIM card slot 2 (2).



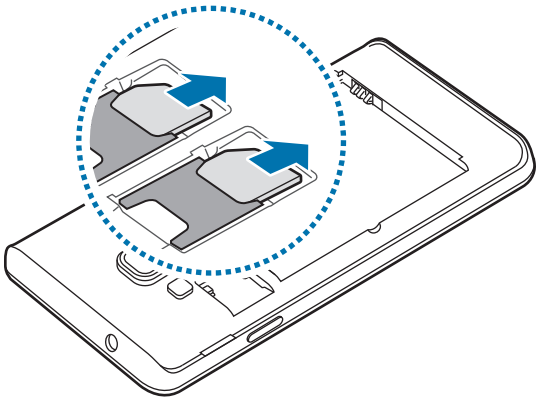
- Do not insert a memory card into the SIM card slot. If a memory card happens to be lodged in the SIM card slot, take the device to a Samsung Service Centre to remove the memory card.
- Use caution not to lose or let others use the SIM or USIM card. Samsung is not responsible for any damages or inconveniences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

3 Replace the battery and back cover.

Removing the SIM or USIM card

1 Remove the back cover and battery.

2 Pull out the SIM or USIM card.



Using dual SIM or USIM cards

If you insert two SIM or USIM cards, you can have two phone numbers or service providers for a single device.

Activating SIM or USIM cards

On the Home screen, drag the favourite apps panel upwards and tap **Settings** → **SIM card manager**. Select a SIM or USIM card and tap the **Use SIM card** switch to activate it.

Changing the display icon and name of SIM or USIM cards

On the Home screen, drag the favourite apps panel upwards and tap **Settings** → **SIM card manager**. Select a SIM or USIM card and tap **Icon** or **Name**. Set a display icon and name for each card.

You cannot change the default names of the cards. To change the display name for a SIM or USIM card, you must first change the display icon.

Setting preferred SIM or USIM cards

When two cards are activated, you can assign voice calls, messaging, and data services to specific cards. On the Home screen, tap **Settings** → **SIM card manager** and set the feature preferences for your cards in **Preferred SIM card**.

Memory card

Installing a memory card

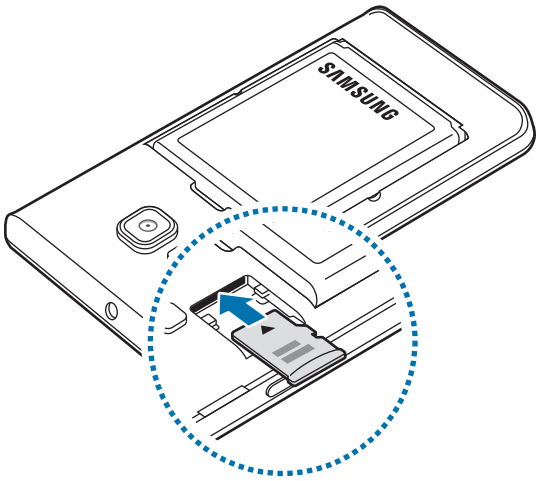
Your device accepts memory cards with maximum capacities of 128 GB. Depending on the memory card manufacturer and type, some memory cards may not be compatible with your device.

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

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

1 Remove the back cover.

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, drag the favourite apps panel upwards and tap **Settings** → **Storage and RAM** → **Storage** → **DETAILS** → **Unmount SD card** → **Unmount**.

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 damage to the memory card or device. Samsung is not responsible for losses that result from the misuse of damaged memory cards, including the loss of data.

Formatting the memory card

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

On the Home screen, drag the favourite apps panel upwards and tap **Settings** → **Storage and RAM** → **Storage** → **DETAILS** → **Format SD card** → **Format**.

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

Turning the device on and off

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

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

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

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

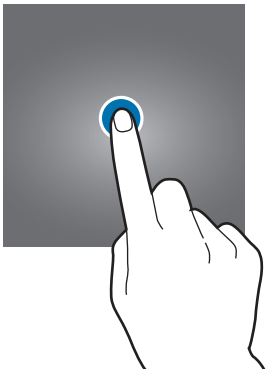
Touchscreen

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

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

Tapping

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

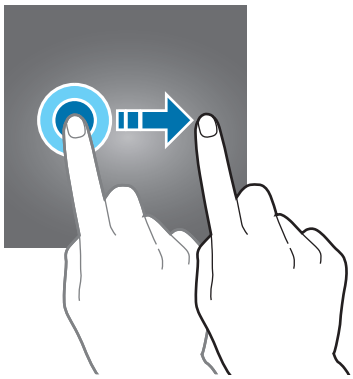


Tapping and holding

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

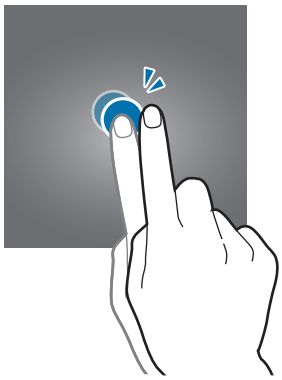
Dragging

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



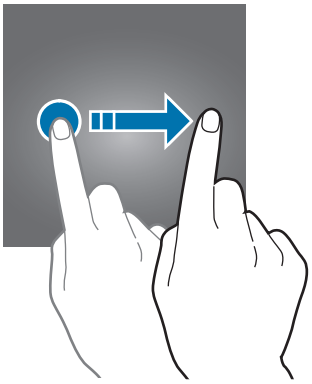
Double-tapping

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



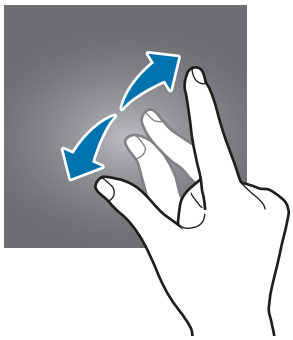
Swiping

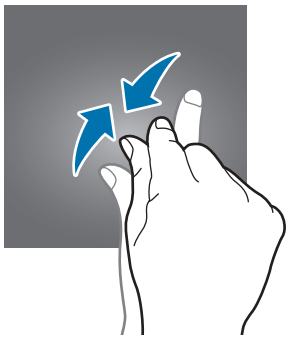
Swipe to the left or right on the Home screen or the Apps screen to view other panels. Swipe upwards or downwards to scroll through a webpage or a list of items, such as contacts.



Spreading and pinching

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



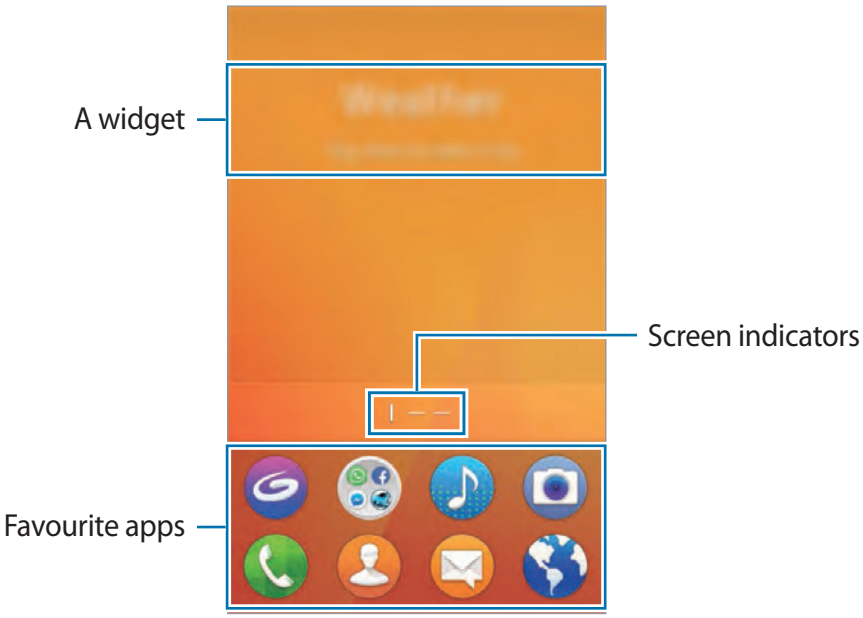


Home screen

Home screen

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

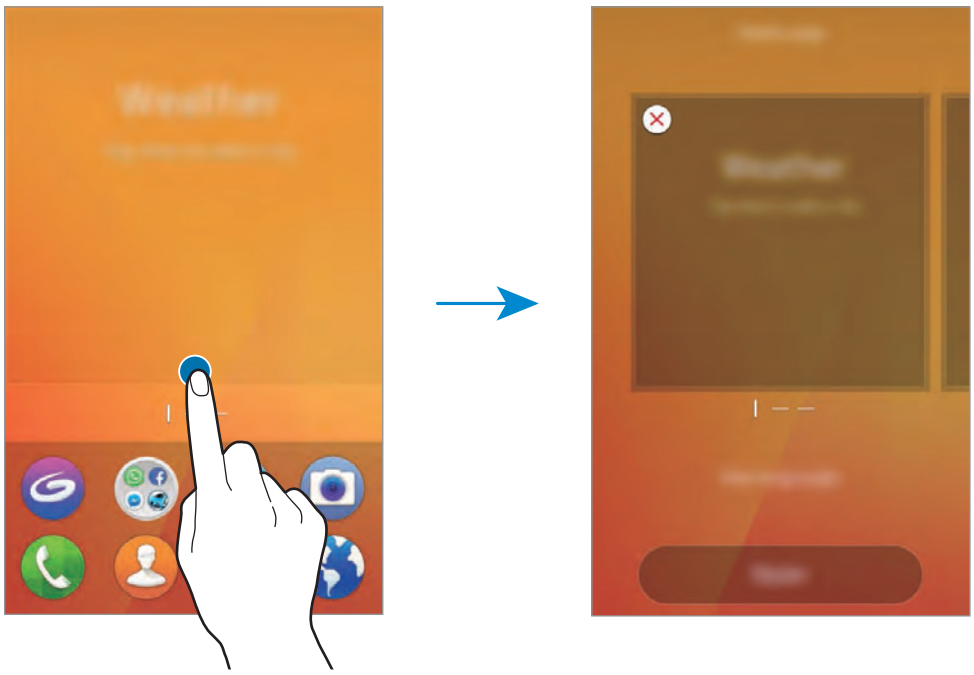
To view other panels, swipe to the left or right, or tap one of the screen indicators at the bottom of the screen.



Home screen options

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

To change the way visual elements are displayed on the device, tap **Styler**. Elements, such as icons, wallpapers, and themes can be configured based on your preference. Refer to Styler for more information.



Managing panels

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

To add a panel, swipe to the left on the panel preview area until **Create page to add widget** is displayed. Then, tap +.

To move a panel, drag the panel preview downwards to **Rearrange page**. At the top of the screen, swipe to the left or right to change the location of the panel. Then, drag the panel preview upwards on the screen.

To remove a panel, drag the panel preview upwards to **Delete page**. Any widgets or items on the panel you want to remove will also be deleted.

Adding widgets

Tap and hold an empty area on the Home screen, and then tap **Tap here to add widget** on a panel preview, and then tap a widget.

Moving widgets

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

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

Managing the favourite apps panel

The favourite apps panel is at the lower part of the Home screen. You can add frequently-used apps to the panel.

On the Home screen, drag the favourite apps panel upwards to open the Apps screen.

To move an item on the favourite apps panel, tap and hold the item, and then drag it to the new location.

To add an item to the favourite apps panel, tap and hold the item on the Apps screen, and then drag it to the panel.

To remove an item from the favourite apps panel, tap and hold the item on the panel, and then drag it to the Apps screen.

Apps screen

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

On the Home screen, drag the favourite apps panel upwards to open the Apps screen. To view other panels, swipe to the left or right, or select a screen indicator at the bottom of the screen.

Sorting apps in alphabetical order

On the Apps screen, tap ☰ → **Sort items alphabetically**.

Moving items

On the Apps screen, 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, tap and hold it. Then, drag it to the right side of the last panel and release it on the new panel.

Creating folders

1 On the Apps screen, tap ☰ → **Create folder**.

2 Tick the apps to contain in a folder.

3 Tap **DONE**.

A new folder containing the selected apps will be created.

4 Enter a folder name and tap ↩.

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

Indicator icons

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

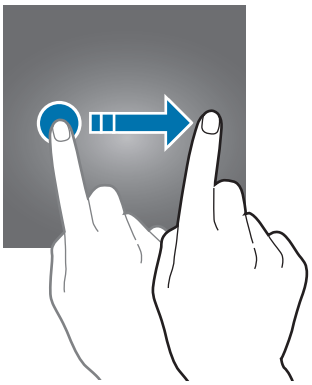
The status bar may not appear at the top of the screen in some apps. To display the status bar, drag down from the top of the screen.

Icon	Meaning
	No signal
/	Signal strength
/	Currently accessing SIM or USIM card
/	Roaming (outside of normal service area)
	GPRS network connected
	EDGE network connected
	UMTS network connected
	HSDPA network connected
	HSPA+ network connected
	Wi-Fi connected
	Bluetooth feature activated
	GPS activated
	Call in progress
	Missed call
	New text or multimedia message
	Alarm activated
	Mute mode activated
	Vibration mode activated
	Flight mode activated
	Battery power level

Lock screen

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

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



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

On the Apps screen, tap **Settings** → **Lock screen** → **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 three blocks or more, and then draw the pattern again to verify it.

PIN

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

Password

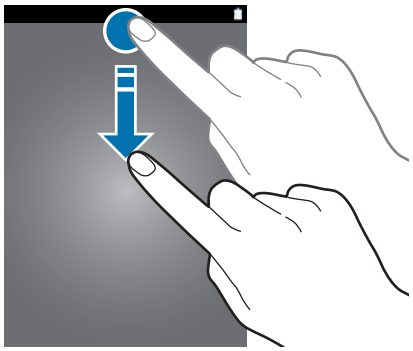
A password consists of characters and numbers. Enter at least four characters including numbers and symbols, and then enter the password again to verify it.

Notification panel

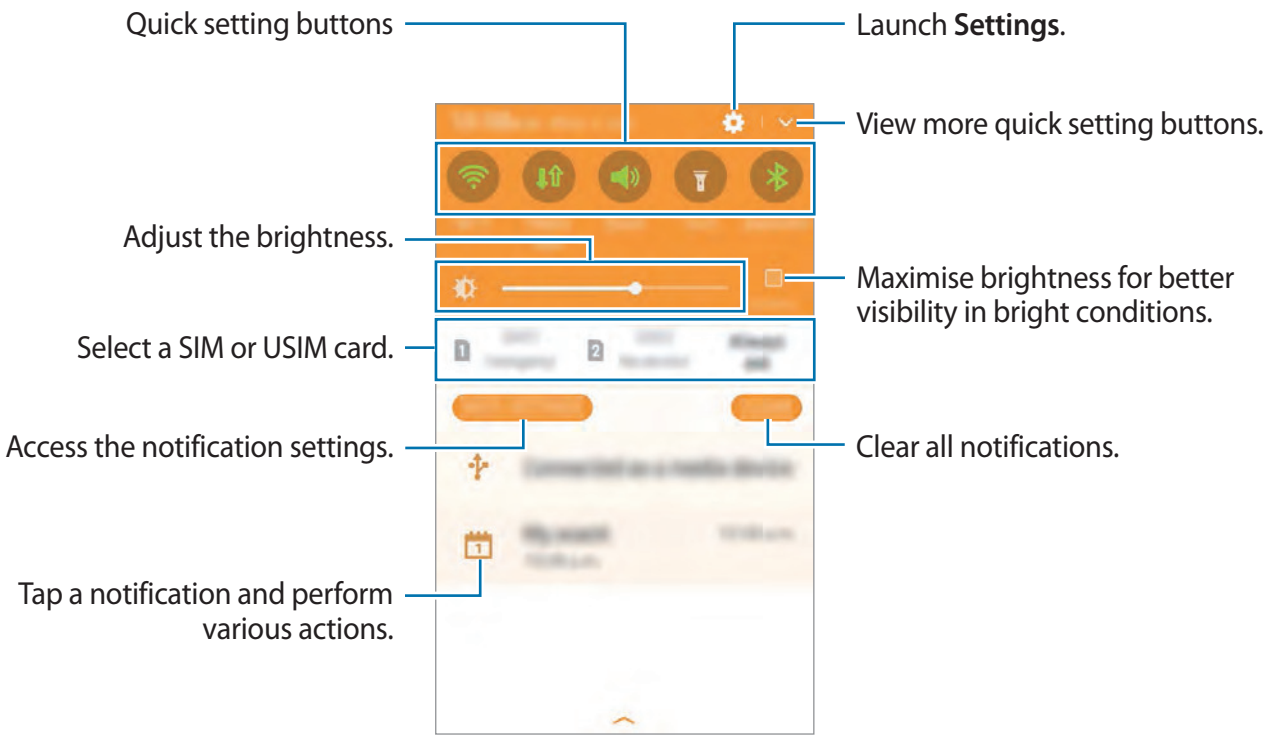
Using the notification panel

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

To open the notification panel, drag the status bar downwards. To close the notification panel, drag the bottom of the panel upwards.



You can use the following functions on the notification panel.



Using quick setting buttons

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

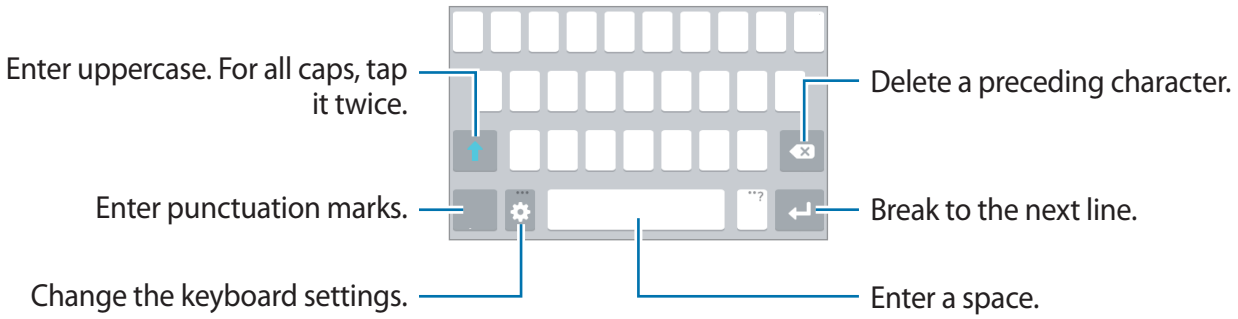
To rearrange buttons, tap ⌄ → **EDIT**, tap and hold a button, and then drag it to another location.

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. When you select two or more languages, you can switch between the input languages by swiping to the left or right on the space key.

Changing the keyboard layout

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

On **3 x 4 keyboard**, a key has three or four characters. To enter a character, tap the corresponding key repeatedly until the desired character appears.

Additional keyboard functions

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

- : Add an item from the clipboard.
- ☺ : Enter emoticons.
- ⚙ : Change the keyboard settings.

Copying and pasting

1 Tap and hold over text.

2 Drag or to select the desired text, or tap **Select all** to select all text.

3 Tap **Copy** or **Cut**.

The selected text is copied to the clipboard.

4 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 key and the Power key simultaneously. You can view captured images in **Gallery**.

Opening apps

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

To open an app from the list of recently used apps, press and hold the Home key and select a recent app icon.

Closing an app

Press and hold the Home key, and then drag a recent app icon to the left or right to close it. To close all running apps, tap **Close all**.

Device and data management

Transferring data from your previous device

You can transfer data from a previous device to your new device via Samsung Smart Switch.

The following versions of Samsung Smart Switch are available.

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

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

Transferring data from a mobile device

Transfer data from your previous device to your new device.

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

Transferring data from a computer

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

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

2 On the computer, launch Smart Switch.

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

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

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

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

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

Using the device as a removable disk for data transfer

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

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

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

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

2 Transfer files between your device and the computer.

Updating the device

The device can be updated to the latest software.

Updating over the air

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

On the Apps screen, tap **Settings** → **About device** → **Check for updates**.

When you tap the **Auto download** switch to activate it, updates will be downloaded when the device is connected to a Wi-Fi network.

Updating with Smart Switch

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

1. On the computer, visit www.samsung.com/smartswitch to download and install Smart Switch.
2. On the computer, launch Smart Switch.
3. Connect the device to the computer using a USB cable.
4. If a software update is available, follow the on-screen instructions to update the device.

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

Backing up and restoring data

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

Using a Samsung account

On the Apps screen, tap **Settings** → **Backup and reset** → **Samsung Cloud** → **Back up**, select the items to back up, and then tap **Back up**.

To set the device to automatically back up data, tap the **Auto back up** switch to activate it.

To restore data using a Samsung account, open the Apps screen and tap **Settings** → **Backup and reset** → **Samsung Cloud** → **Restore**. Current data will be deleted from the device to restore the selected items.

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** → **OK**. The device automatically restarts.

Sharing files with contacts

Share files with your contacts using the simple sharing feature. The following actions are an example of sharing images.

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

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

2 Select an image.

3 Tap ☰ → **Share** → **Contacts**.

If you are using this feature for the first time, read and agree to the terms and conditions. Your phone number will be verified and then the simple sharing feature will be activated.

4 Select recipients and tap **DONE**.

- If the recipients' devices do not support the simple sharing feature, a link to the files will be sent to them via text message. The link will expire after a certain period.
- You may incur additional charges when sharing files via the mobile network.

Applications

Installing or uninstalling apps

Tizen Store

Purchase and download apps. Visit www.tizenstore.com for more information.

Tap **Tizen Store** 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 to search for a keyword.

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

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

Managing apps

Uninstalling or disabling apps

On the Apps screen, tap → **Edit**. The icon appears on the apps that you can disable or uninstall. Select an app and tap **Disable** or **Uninstall**. Alternatively, on the Apps screen, tap **Settings** → **Apps** → **App manager**, select an app, and then tap **Disable** or **Uninstall**.

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

Enabling apps

On the Apps screen, tap **Settings** → **Apps** → **App manager**, scroll to **Disabled**, select an app, and then tap **Enable**.

Phone

Introduction

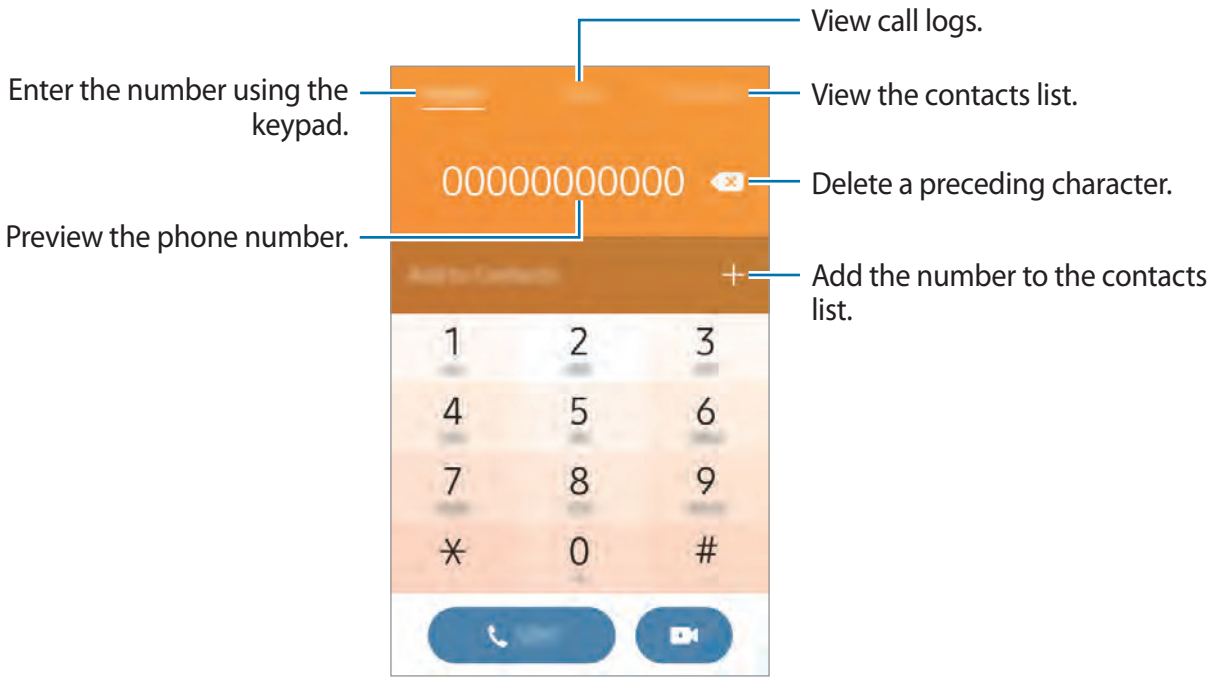
Make or answer voice and video calls.

Making calls

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

2 Tap **Keypad** and enter a phone number.

3 Tap SIM1 or SIM2 to make a voice call. Or, tap or to make a video call.



Making calls from call logs or contacts list

Tap **Logs** or **Contacts**, and then select a contact or a phone number to make a call.

Making an international call

1 Tap **Keypad**.

2 Tap and hold **0** until the + sign appears.

3 Enter the country code, area code, and phone number, and then tap SIM1 or SIM2.

Receiving calls

Answering a call

When a call comes in, tap .

Rejecting a call

When a call comes in, tap .

To send a message when rejecting an incoming call, tap **Reject call with message** and select a message.

To create various rejection messages, open the Apps screen and tap **Phone** → **Keypad** → → **Call settings** → **Call rejection** → **Call-reject messages** → → **Create**, enter a message, and then tap **DONE**.

Missed calls

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

Options during calls

During a voice call

The following actions are available:

- **Speaker**: Activate or deactivate the speakerphone. When using the speakerphone, speak into the microphone at the bottom of the device and keep the device away from your ears.
- **Keypad**: Open the keypad.
- **Bluetooth**: Switch to a Bluetooth headset if it is connected to the device.
- **Record**: Record a call conversation.
- **Mute**: Turn off the microphone so that the other party cannot hear you.
- **Extra vol.**: Increase the volume.
- : End the current call.

During a video call

The following actions are available:

- **Switch**: Switch between the front and rear cameras.
- **Mute**: Turn off the microphone so that the other party cannot hear you.
- : End the current call.

Contacts

Introduction

Create new contacts or manage contacts on the device.

Adding contacts

Creating contacts manually

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

2 Tap +, select a storage location, and then tap **Save**.

3 Enter contact information.

To add an image, tap .

To delete a contact field, tap —.

To add a contact field, select an option icon at the bottom of the screen.

4 Tap **DONE**.

To add a phone number to the contacts list from the keypad, open the Apps screen and tap **Phone** → **Keypad**. Enter the number and tap **Add to Contacts**.

To add a phone number to the contacts list from received calls or messages, open the Apps screen and tap **Phone** → **Logs**. Then, tap next to the phone number.

Importing contacts

Import contacts from storage services to your device.

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

2 On the contacts list, tap → **Settings** → **Import** and select an import option.

Searching for contacts

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

Use one of the following search methods:

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

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

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

Messages

Introduction

Send and view messages by conversation.

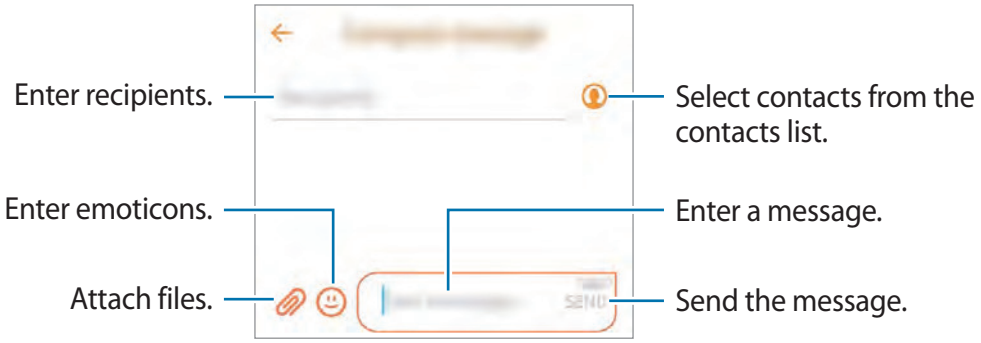
Sending messages

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

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

2 Tap .

3 Add recipients and enter a message.



4 Tap **SEND** and select a SIM or USIM card to send the message.

Viewing messages

Messages are grouped into message threads by contact.

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

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

2 On the messages list, select a contact.

3 View your conversation.

Internet

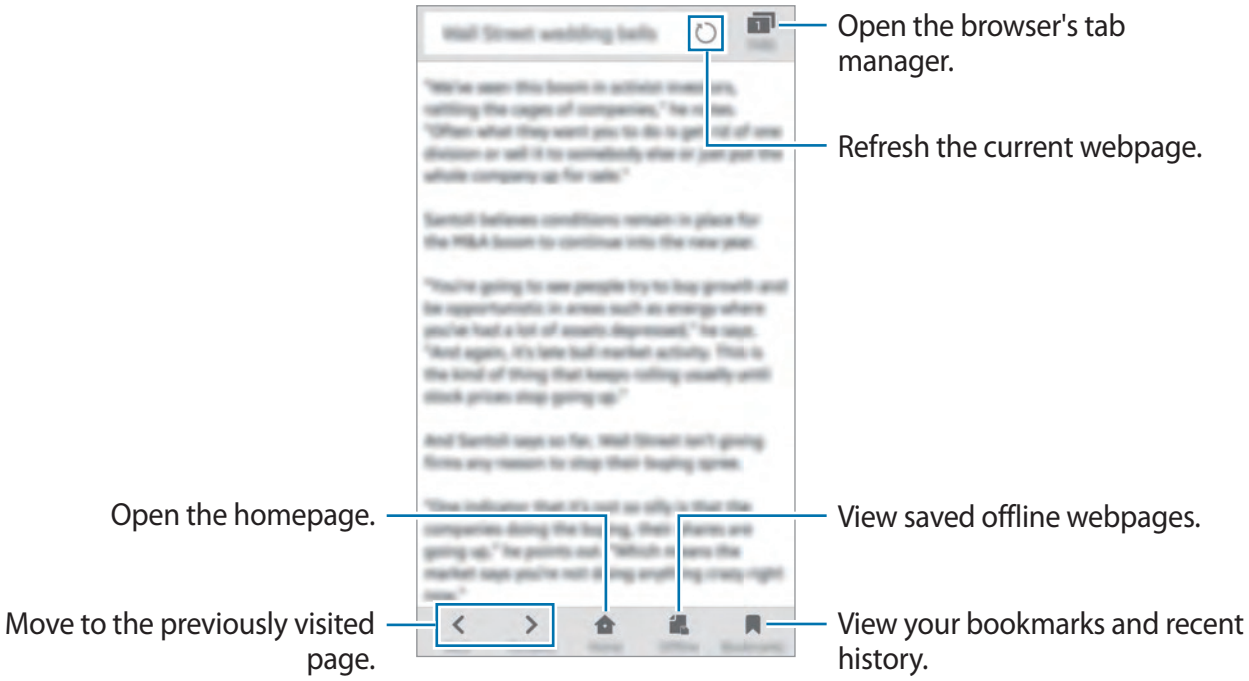
Browse the Internet to search for information and bookmark your favourite webpages to access them conveniently.

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

2 Tap the address field.

3 Enter the web address or a keyword, and then tap **Go**.

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



Email

Setting up email accounts

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

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

2 Select an email service, enter the email address and password, and then tap **Next**.

To manually register a company email account, tap **Manual setup**.

3 Follow the on-screen instructions to complete the setup.

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

If you have more than one email account, you can set one as the default account. Tap ☰ → **Settings** → **Default sending account**.

Sending emails

1 Tap ✎ to compose an email.

2 Add recipients and enter an email text.

3 Tap **SEND** to send the mail.

Reading emails

On the emails list, tap an email to read.

Camera

Introduction

Take photos and record videos using various modes and settings.

Basic shooting

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

Tap **Camera** on the Apps screen.

Camera etiquette

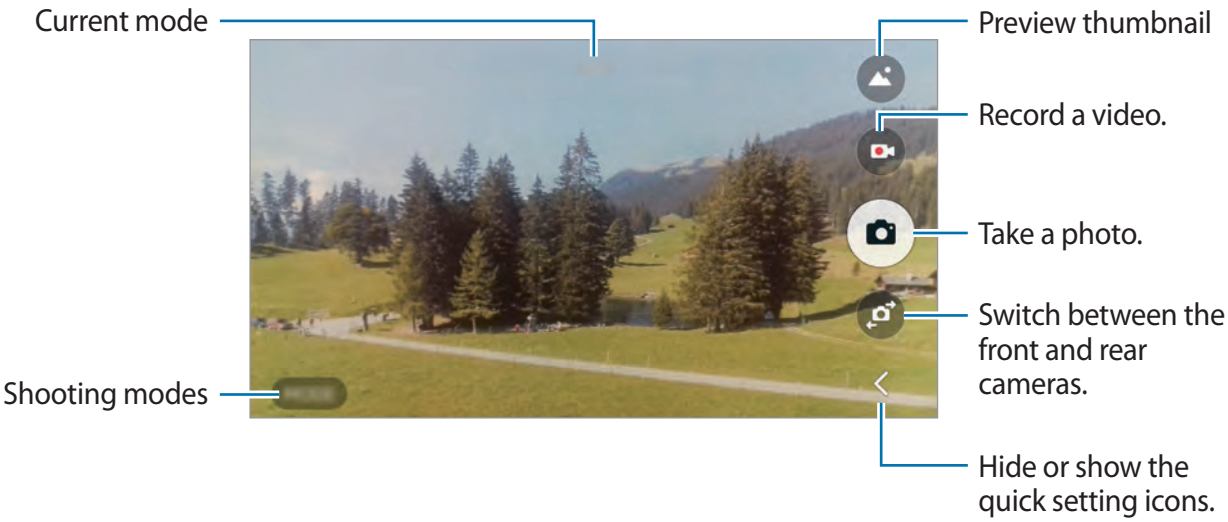
- Do not take photos or record videos of other people without their permission.
- Do not take photos or record videos where legally prohibited.
- Do not take photos or record videos in places where you may violate other people's privacy.

Taking photos or recording videos

1 Tap the image on the preview screen where the camera should focus.

2 Tap to take a photo or tap to record a video.

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



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

- The preview screen may vary depending on the shooting mode and which camera is being used.
- The camera automatically shuts off when unused.
- Make sure that the lens is clean. Otherwise, the device may not work properly in some modes that require high resolutions.

Launching Camera on the locked screen

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

On the locked screen, drag outside the large circle.

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

Launching Camera quickly

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

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

Auto mode

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

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

Pro mode

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

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

- : Select a metering method. This determines how light values are calculated. uses the light in the centre portion of the shot to calculate the exposure of the shot. [•] uses the light in a concentrated centre area of the shot to calculate the exposure of the shot. [ ] averages the entire scene.
- **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

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

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

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

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

Beauty face

Take photos with lightened faces for gentler images.

On the preview screen, tap **MODE** → **Beauty face**.

Dream shot

Take photos using various photo templates.

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

To select a template to use for taking a photo, tap < → **Template**.

Night

Take photos in low-light conditions, without using the flash.

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

Continuous shot

Take a series of photos of moving subjects.

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

Tap and hold to take several photos continuously.

Picture collage

Take up to four photos to create a collage.

On the preview screen, tap **MODE** → **Picture collage**.

Fast motion

Record a video for viewing it in fast motion.

The focal length may become shorter when using this mode.

1 On the preview screen, tap **MODE** → **Fast motion**.

2 Tap to start recording.

3 When you are finished recording, tap to stop.

4 On the preview screen, tap the preview thumbnail.

5 Tap ▶.

Selfie

Take self-portraits with the front camera.

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

2 Tap **MODE** → **Selfie**.

3 Face the front camera lens.

4 When the device detects your face, tap the screen to take a photo of yourself.

To automatically take a photo using the face detection frame, tap < → **Settings**, and then tap the **Find face** switch to activate it. Tap ↩ to return to the preview screen. Move the frame to the position your face will appear and adjust the frame size. When your face is detected in the face detection frame, the device will take a photo after a few seconds.

Wide selfie

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

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

2 Tap **MODE** → **Wide selfie**.

3 Face the front camera lens.

4 When the device detects your face, tap the screen to take a photo of yourself.

To automatically take a photo using the face detection frame, tap < → **Settings**, and then tap the **Find face** switch to activate it. Tap ↩ to return to the preview screen. Move the frame to the position your face will appear and adjust the frame size. When your face is detected in the face detection frame, the device will take a photo after a few seconds.

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

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

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

Interval shot

Take series of self-portraits at an interval and save photos you want.

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

2 Tap **MODE** → **Interval shot**.

3 When the device detects your face, tap the screen to take a photo of yourself.

The device will take four photos at the two-second intervals.

To automatically take a photo using the face detection frame, tap < → **Settings**, and then tap the **Find face** switch to activate it. Tap ↩ to return to the preview screen. Move the frame to the position your face will appear and adjust the frame size. When your face is detected in the face detection frame, the device will take a photo after a few seconds.

4 Tick photos you want to save and tap **DONE**.

Camera settings

Quick settings

On the preview screen, tap ❮ and use the following quick settings.

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

- **Effects**: Select a filter effect to use when taking photos or recording videos.
- **HDR**: Take photos with rich colours and reproduce details even in bright and dark areas.
- **Timer**: Set the length of the delay before the camera automatically takes a photo.
- **Beauty**: Adjust the slide bar to take a photo with lightened faces for gentler images.
- **Flash**: Activate or deactivate the flash.
- **Template**: Select a template to use for taking a photo.
- **Ratio**: Change the screen ratio for a picture collage.
- **Layout**: Change the picture collage type.

Camera settings

On the preview screen, tap ❮ → **Settings**.

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

- **Picture size (rear)** / **Picture size (front)**: Select a resolution for photos. Using a higher resolution will result in higher quality photos, but they will take up more memory.
- **Video size (rear)** / **Video size (front)**: Select a resolution for videos. Using a higher resolution will result in higher quality videos, but they will take up more memory.
- **Save pictures as previewed**: Invert the image to create a mirror-image of the original scene, when taking photos with the front camera.

- **Location tags**: Attach a GPS location tag to the photo.

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

- **Quick launch**: Set the device to launch the camera by pressing the Home key twice quickly.
- **Grid lines**: Display viewfinder guides to help composition when selecting subjects.
- **Find face**: Take a photo automatically using the face detection frame.
- **Save to**: Select the memory location for storage.
- **Volume keys function**: Set the device to use the Volume key to control the shutter or zoom function.
- **Timer style**: Select sound and visual effects for the timer.
- **Reset all**: Reset the camera settings.

Gallery

Introduction

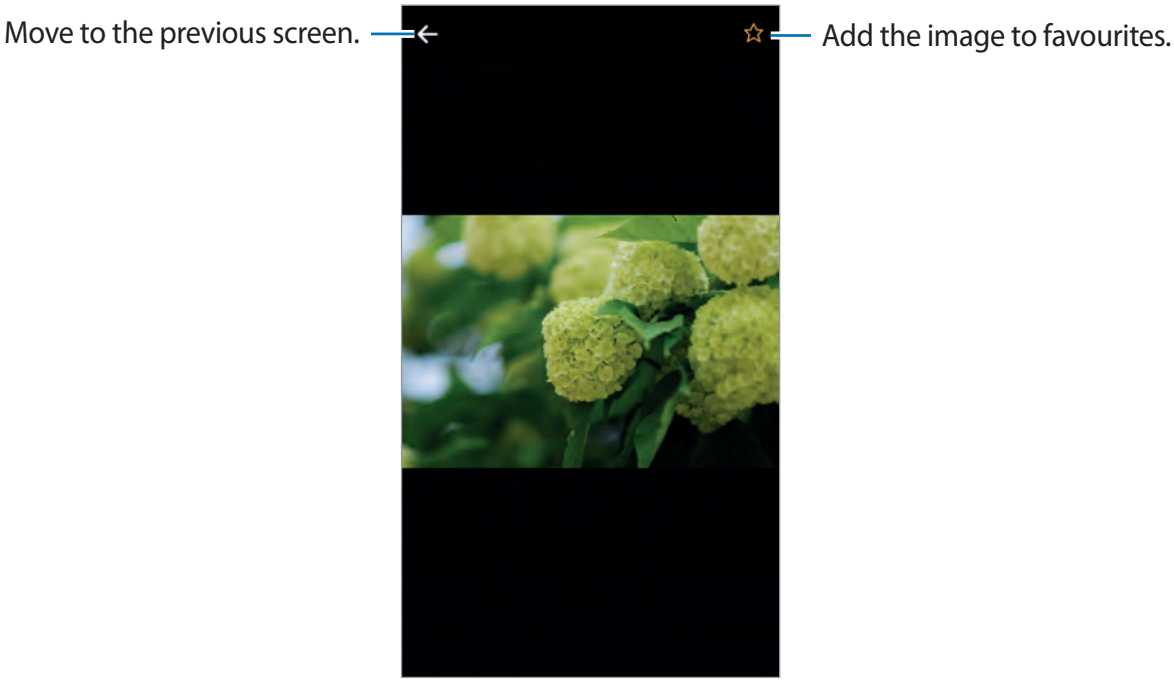
View and manage photos and videos stored in the device.

Viewing images or videos

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

2 Select an image or a video.

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



To hide or show the menus, tap the screen.

Deleting images or videos

Deleting an image or a video

Select an image or a video and tap ☰ → **Delete**.

Deleting multiple images and videos

1 On the Gallery main screen, tap ☰ → **Delete**.

2 Tick the images or videos to delete.

3 Tap **DELETE**.

Calendar

Introduction

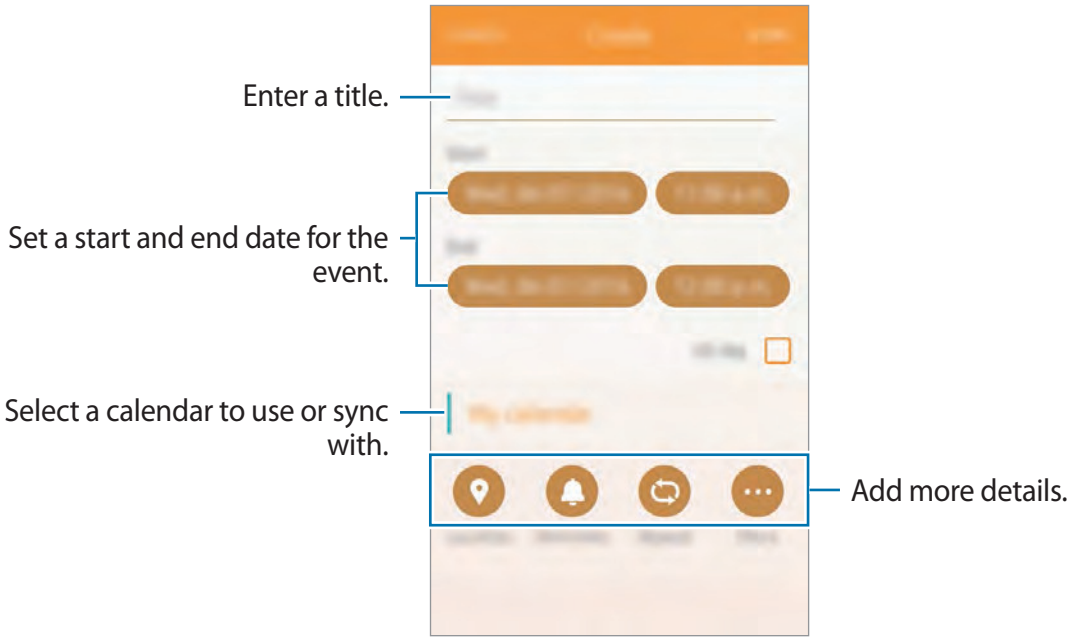
Manage your schedule by entering upcoming events in your planner.

Creating events

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

2 Tap + or double-tap a date.

3 Enter event details.



4 Tap **DONE** to save the event.

Syncing events with your accounts

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

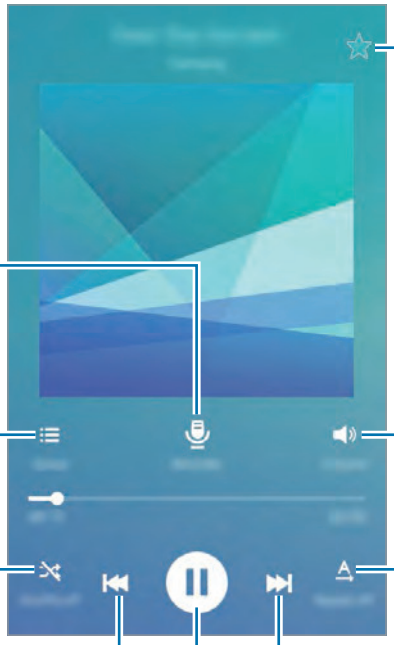
To add accounts to sync with, open the Apps screen and tap **Calendar** → ☰ → **Manage calendars** → **Add account**. Then, select an account to sync with and sign in. When an account is added, it will appear in the list of calendars.

Music

Listen to music sorted by category and customise playback settings.

Tap **Music** on the Apps screen.

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

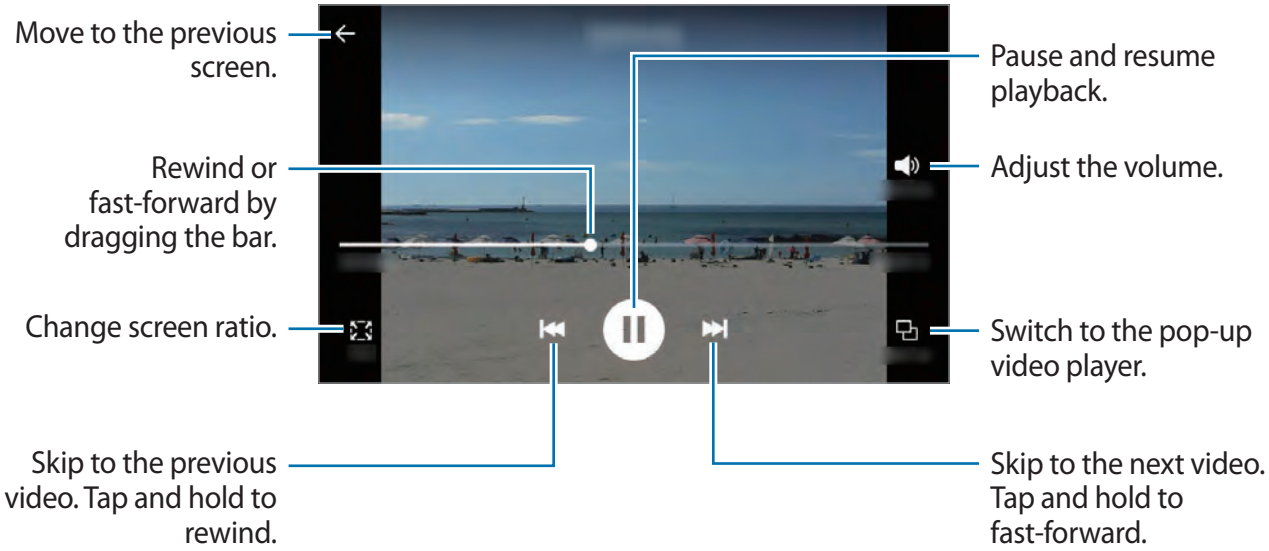


Video

Watch videos stored in the device and customise playback settings.

Tap **Video** on the Apps screen.

Select a video to play.



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

To rewind or fast-forward, use your finger to draw a circle clockwise or anticlockwise on the playback screen.

Voice Recorder

Introduction

Use this app to record or play voice memos.

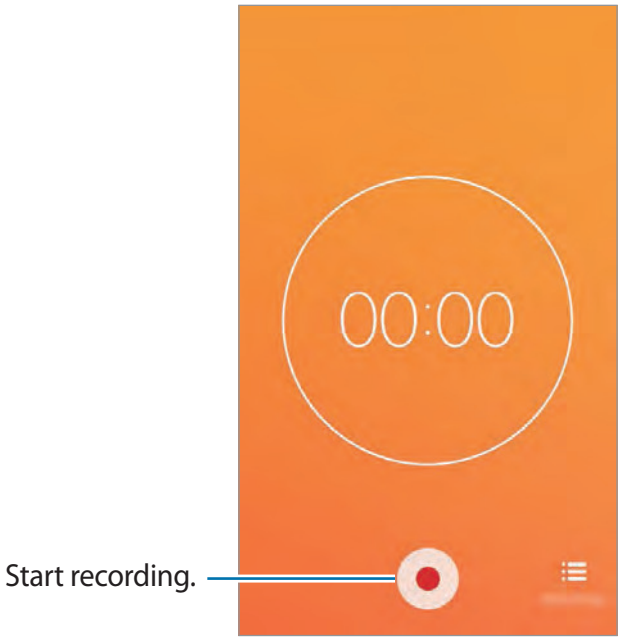
Recording voice memos

1 On the Apps screen, tap **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.

My Files

Access and manage various files stored in the device.

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

- **Recently viewed**: View recent files.
- **Images**: View image files.
- **Videos**: View video files.
- **Audio files**: View audio files.
- **Documents**: View document files.
- **Download history**: View downloaded files.
- **Local storage**: View files stored in the device.

To search for files or folders, tap 🔍.

Memo

Create memos and organise them by category.

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

Composing memos

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

- ☆ : Set the memo as your favourite memo.
- ☰ → **Add checklist**: Add tick boxes at the beginning of each row to create a list of tasks.
- ☰ → **Insert image**: Insert images.
- ☰ → **Record audio**: Make an audio recording to insert.
- ☰ → **Change memo colour**: Change the memo's background colour.

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

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

Searching for memos

On the memos list, tap → **Search**, and then enter a keyword to search for memos that include the keyword.

Clock

Introduction

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

Alarm

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

Setting alarms

Tap , set an alarm time and tap **DONE**.

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

To set an alarm with various alarm options, set alarm options under the time input field, and then tap **Done**.

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

Stopping alarms

Drag outside the large circle to stop an alarm. If you have previously enabled the snooze option, drag outside the large circle to repeat the alarm after a specified length of time.

Deleting alarms

On the list of alarms, tap → **Delete**, tick alarms to delete, and then tap **DELETE**.

World Clock

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

Creating clocks

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

Deleting clocks

Tap ☰ → **Delete**, tick clocks to delete, and then tap **DELETE**.

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**.

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

Calculator

Perform simple or complex calculations.

Tap **Calculator** on the Apps screen.

Rotate the device to landscape orientation to display the scientific calculator. If **Auto rotate** is disabled, open the notification panel and tap **Auto rotate** to activate it.

To see the calculation history, tap **HISTORY**. To return to the calculator keypad, tap **KEYPAD**.

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

FM Radio

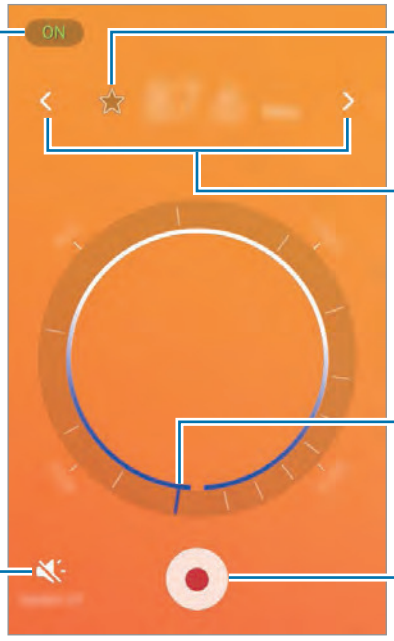
Listening to the FM radio

Tap **FM Radio** on the Apps screen.

Before you use this app, you must connect a headset, which serves as the radio antenna.

The FM radio scans and saves available stations automatically when running for the first time.

Tap OFF to turn on the FM radio.



Scanning radio stations

Tap **FM Radio** on the Apps screen.

Tap ☰ → **Scan**. The FM radio scans and saves available stations automatically.

Tap ☰ → **Stations**, select the radio station you want from the stations list, and then tap ↩ to return to the FM radio screen.

Theme Store

Purchase and download themes to apply various themes to the device.

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

Select a theme to view more information about it. To download free themes, tap **Download**. To purchase and download themes where charges apply, tap the price and follow the on-screen instructions.

Hints

View help information to learn how to use the device and apps.

Tap **Hints** on the Apps screen.

Smart Manager

Introduction

The Smart manager provides an overview of the status of your device's battery, data usage, storage, and RAM. You can also automatically optimise the device with a tap of your finger.

Using the quick optimisation feature

On the Apps screen, tap **Smart Manager** → **Clear**.

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

- Clearing some memory.
- Deleting unnecessary files and closing apps running in the background.

Battery

Check the remaining battery power and time to use the device. For devices with low battery levels, conserve battery power by activating power saving features.

Tap **DETAILS** to view the amount of battery power consumed by your device.

- The usage time left shows the time remaining before the battery power runs out. Usage time left may vary depending on your device settings and operating conditions.
- You cannot receive notifications from apps that use power saving mode.

Data usage

Check the device's data usage amount. You can customise the settings for the limitation.

Storage

Check the status of the used and available memory.

RAM

To speed up your device by reducing the amount of RAM you are using, tap **End all** to close all background apps.

Google apps

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

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

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

YouTube

Watch or create videos and share them with others.

Google Search

Search quickly for items on the Internet or your device.

Settings

Introduction

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

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

Wi-Fi

Connecting to a Wi-Fi network

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

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

1 On the Settings screen, tap **Wi-Fi**, and then tap the **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, tap ⓘ next to the network and tap **Forget**.

Wi-Fi Direct

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

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

2 Tap ☰ → **Wi-Fi Direct**.

The detected devices are listed.

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

3 Select a device to connect to.

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

Sending and receiving data

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

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

2 Select an image.

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

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

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

Ending the device connection

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

2 Tap ☰ → **Wi-Fi Direct**.

The device displays the connected devices in the list.

3 Tap **Disconnect** to disconnect the devices.

Bluetooth

Introduction

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

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

  Samsung is not responsible for the repercussion of illegal use of the Bluetooth feature.

Pairing with other Bluetooth devices

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

The detected devices are listed.

2 Select a device to pair with.

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

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

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

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

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

Sending and receiving data

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

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

2 Select an image.

3 Tap ☰ → **Share** → **Bluetooth**, and then select a device to transfer the image to.

If the device you want to pair with is not in the list, request that the device turns on its visibility option.

4 Accept the Bluetooth connection request on the other device.

Unpairing Bluetooth devices

1 Tap **Bluetooth** on the Settings screen.

The device displays the paired devices in the list.

2 Tap ⓘ next to the device name to unpair.

3 Tap **Unpair**.

Data usage

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

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

- **SIM 1** / **SIM 2**: View the amount of mobile data you have used. You can activate ultra data saving mode to reduce the amount of mobile data you use.
- **Wi-Fi**: View the amount of Wi-Fi data you use.

Limiting data usage

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

2 Select a **SIM 1** or **SIM 2**, and tap **Manage data usage**.

3 Tap **Limit**.

4 Enter a limit and tap **Done**.

The device will alert you when the data limit is reached.

Activating ultra data saving mode

Monitor and reduce your mobile data usage by preventing background apps from using the mobile data connection. You can also use the data compression feature to compress Internet data, such as images and webpages, accessed via the mobile network.

- This feature may not be available depending on the region or service provider.
- Some webpages may not be available when this feature is activated, depending on the service provider or the mobile network conditions.

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

2 Select **SIM 1** or **SIM 2**, tap **Ultra data saving mode**, and then tap the **Ultra data saving** switch to activate it.

To set the quality of Internet images, tap **SETTINGS**.

To manage the permitted apps list, tap **SELECT**, tick apps to permit, and then tap **DONE**. The selected apps will be allowed to use the mobile data connection in the background.

Hotspot and tethering

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

On the Settings screen, tap **Hotspot and tethering**.

You may incur additional charges when using this feature.

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

Using the mobile hotspot

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

1 On the Settings screen, tap **Hotspot and tethering**.

2 Tap the **Mobile hotspot** switch to activate it.

The icon appears on the status bar. Other devices can find your device in the Wi-Fi networks list.

To set a password for the mobile hotspot, tap → **Configure Mobile hotspot**, and then tap the **Security** switch to activate it. Then, enter a password under **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.

SIM card manager

Activate your SIM or USIM cards and customise the SIM card settings. Refer to Using dual SIM or USIM cards for more information.

On the Settings screen, tap **SIM card manager**.

- **Calls and messages**: Select a SIM or USIM card for voice calls and messaging.
- **Mobile data**: Select a SIM or USIM card for data service.
- **Smart dual SIM**: Set the device to allow incoming calls from the other SIM or USIM card during a call.

When this feature is enabled, you may incur additional charges for call forwarding depending on the region or service provider.

Flight mode

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

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

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.

Mobile networks

Configure your mobile network settings.

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

- **Mobile data**: Set the device to use data connections on any mobile network.
- **Data roaming**: Set the device to use data connections when you are roaming.
- **SIM1 network mode** / **SIM2 network mode**: Select a network type.
- **Service providers**: Search for available networks and manually register a network.
- **Mobile network connections**: Set networks for data and multimedia messaging services.

Sounds and notifications

Change settings for various sounds on the device.

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

- **Ringtone**: Select a ringtone for incoming calls or adjust the volume level for call ringtones.
- **Vibrate when ringing**: Set the device to vibrate and play a ringtone for incoming calls.
- **Notification**: Select a ringtone for events, such as incoming messages, or adjust the volume level for notifications.
- **Media**: Adjust the volume level for music and videos.
- **System**: Adjust the volume level for system sounds.

- **Other sounds**: Change additional sound settings.
- **Do not disturb**: Set the device to mute all alert sounds and show notifications only on the notification panel, except for allowed exceptions.
- **App notifications**: Allow or block notifications from each app.
- **Notifications on lock screen**: Set whether or not to show the content of notifications on the locked screen.
- **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.

Display

Change the display settings.

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

- **Brightness**: Adjust the brightness of the display.
- **Outdoor mode**: Activate outdoor mode to make the display easier to see in bright conditions.
- **Font**: Change the font size and type.
- **Screen timeout**: Set the length of time the device waits before turning off the display's backlight.

Apps

Manage the device's apps and change their settings.

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

- **App manager**: View and manage the apps on your device.
- **Default apps**: Select a default setting for using apps.
- **Dual profile apps**: Select the app to create different profiles on two SIM cards. When you use the selected app, each SIM card can have its own independent profile.

Styler

Change the way visual elements are displayed on the device. Elements, such as icons, wallpapers, and themes can be configured based on your preference.

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

- **Lock**: Change the way visual elements are displayed on the locked screen.
- **Home**: Change the way visual elements are displayed on the Home screen.
- **Colour**: Change the background colour of default apps.
- **Themes**: Apply various themes to the device to change the visual elements of the Home screen, locked screen, and icons.
- **Others**: Change additional visual elements and sound settings.

Special days

Apply special wallpapers to the Home screen and the locked screen for special days, such as national holidays.

On the Settings screen, tap the **Special days** switch to activate it.

To select the days to apply special wallpapers, tap **Select days**.

Lock screen

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

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

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

- **Screen lock type**: Change the screen lock method.
- **Dual clock**: Set the device to show the dual clock when you are roaming.
- **App shortcut**: Set the device to show the app shortcut on the locked screen.
- **Lock screen style**: Change the way visual elements are displayed on the locked screen.

Privacy and security

Options

Change the settings for maintaining your privacy and safety.

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

- **Location services**: Change settings for location information permissions.
- **Private mode**: Activate private mode to prevent others from accessing your personal content. Refer to Private mode for more information.
- **Privacy settings**: Change the settings for allowing apps to use your private information.
- **Report diagnostic info**: Set the device to automatically send the device's diagnostic and usage information to Samsung.
- **Send SOS messages**: Set the device to send help messages by pressing the Power key three times. You can also send sound recordings along with the message to the recipients. Refer to Send SOS messages for more information.
- **Find My Mobile**: Activate or deactivate the Find My Mobile feature. Access the Find my mobile website (findmymobile.samsung.com) to track and control your lost or stolen device.
- **Show password**: Set the device to display passwords as they are entered.
- **SIM card lock**: Activate or deactivate the PIN lock feature to require the PIN before using the device.
- **Security update service**: Set the device to check and download security updates.
- **Secure erase**: Permanently delete all deleted data on the device for increased security.
- **Encrypt SD card**: Set the device to encrypt files on a memory card.

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

Private mode

Hide personal content in your device to prevent others from accessing it.

Activating private mode

1 On the Settings screen, tap **Privacy and security** → **Private mode**, and then tap the **Private mode** switch to activate it.

If you are activating private mode for the first time, follow the on-screen instructions to set up a private mode access code.

2 Follow the on-screen instructions to enter the preset private mode access code.

Private mode is activated and the icon appears on the status bar.

You can view and access the hidden items only when private mode is activated. To hide items stored in the private folder, deactivate private mode.

Hiding content

1 On the Apps screen, launch an app to hide items.

2 Select an item and tap → **Move to Private**.

If private mode is not activated, follow the on-screen instructions to enter the preset private mode access code.

The selected items will be moved to the private folder.

Viewing hidden content

You can view hidden items only when private mode is activated.

1 On the Settings screen, tap **Privacy and security** → **Private mode**, and then tap the **Private mode** switch to activate it.

2 Follow the on-screen instructions to enter the preset private mode access code.

3 On the Apps screen, tap **My Files** → **Private**.

Items moved to the private folder are sorted into folders by category. For bookmarks, you can view them with the **Internet** app.

Unhiding content

1 In the private folder, select a folder and tap ☰ → **Remove from Private**.

2 Tick items to unhide and tap **DONE**.

3 Select a folder to move the items to, and then tap **DONE**.

The items will be moved to the selected folder.

Automatically deactivating private mode

You can set the device to automatically deactivate private mode each time the screen turns off.

1 On the Settings screen, tap **Privacy and security** → **Private mode**, and then tap the **Private mode** switch to activate it.

2 Follow the on-screen instructions to enter the preset private mode access code.

3 Tap the **Auto turn off** switch to activate it.

When the **Auto turn off** option is enabled, the device will fail to transfer files to the private folder if the screen turns off during transfer.

Send SOS messages

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

1 On the Settings screen, tap **Privacy and security** → **Send SOS messages**, and then tap the **Send SOS messages** switch to activate it.

2 Follow the on-screen instructions to add primary contacts if you have not already done so.

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

The **Send pictures** option may not be available depending on the region or service provider.

Adding primary contacts

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

Accounts

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

Adding accounts

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

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

If you have already added the accounts, tap **Add account**.

2 Select an account service.

3 Follow the on-screen instructions to complete the account setup.

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

Registering Samsung accounts

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

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

2 Tap **Samsung account**.

3 Follow the on-screen instructions to complete the account setup.

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

Removing accounts

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

Backup and reset

Change the settings for managing settings and data.

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

- **Samsung Cloud**: Back up or restore your personal information and app data using the Samsung server.
- **USB mass storage**: Back up or restore your data using an external USB storage device. To use this option, connect the device to an external USB storage device via a USB On-The-GO (OTG) cable.
- **Factory data reset**: Reset settings to the factory default values and delete all data.

Language and input

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

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

- **Display language**: Select a display language for all menus and apps.
- **Keyboard**: Change the keyboard settings.

Battery

View battery power information and change power saving options.

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

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

- **DETAILS**: View the amount of battery power consumed by your device.
- **Ultra power saving mode**: Extend standby time and reduce battery consumption by displaying a simpler layout and allowing limited access to an app. Refer to Ultra power saving mode for more information.
- **Show battery percentage**: Set the device to display the remaining battery life.
- **Battery notifications**: You will receive battery power notifications when the battery reaches 15 % and 5 %. If you want to receive additional battery notifications, select the battery power levels that you want to receive the notifications for.

Storage and RAM

View memory information for your device.

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

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

- **Storage**: Check the status of used and available memory capacity. You can clear cached data, manage apps and files on your device, and format a memory card. You can also change the settings for the default storage location.
- **RAM**: Check the amount of available RAM. You can close background apps and reduce the amount of RAM you are using to speed up your device.

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.

- **Auto set**: Automatically update the time and date when moving across time zones.
- **Set date and time**: Set the current date and time manually.
- **Set time zone**: Set the home time zone.
- **24-hour clock**: Display time in 24-hour format.

About device

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

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

Appendix

Troubleshooting

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

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

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

Your device displays network or service error messages

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

Your device does not turn on

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

The touchscreen responds slowly or improperly

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

Your device freezes or encounters a fatal error

Try the following solutions. If the problem is still not resolved, contact a Samsung Service Centre.

Restarting the device

If your device freezes or hangs, you may need to close apps or turn off the device and turn it on again.

Forcing restart

If your device is frozen and unresponsive, press and hold the Power key and the Volume Down key simultaneously for more than 7 seconds to restart it.

Resetting the device

If the methods above do not solve your problem, perform a factory data reset.

On the Apps screen, tap **Settings** → **Backup and reset** → **Factory data reset** → **Reset** → **OK**. Before performing the factory data reset, remember to make backup copies of all important data stored in the device.

Calls are not connected

- Ensure that you have accessed the right cellular network.
- Ensure that you have not set call barring for the phone number you are dialling.
- Ensure that you have not set call barring for the incoming phone number.

Others cannot hear you speaking on a call

- Ensure that you are not covering the built-in microphone.
- Ensure that the microphone is close to your mouth.
- If using a headset, ensure that it is properly connected.

Sound echoes during a call

Adjust the volume by pressing the Volume key or move to another area.

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

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

The battery icon is empty

Your battery is low. Charge the battery.

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

- Ensure that the charger is connected properly.
- If the battery terminals are dirty, the battery may not charge properly or the device may turn off. Wipe both gold-coloured contacts and try charging the battery again.

The battery depletes faster than when first purchased

- When you expose the device or the battery to very cold or very hot temperatures, the useful charge may be reduced.
- Battery consumption increases when you use messaging features or some apps, such as games or the Internet.
- The battery is consumable and the useful charge will get shorter over time.

Your device is hot to the touch

When you use apps that require more power or use apps on your device for an extended period of time, your device may feel hot to the touch. This is normal and should not affect your device's lifespan or performance.

If the device overheats or feels hot for a prolonged period, do not use it for a while. If the device continues to overheat, contact a Samsung Service Centre.

Error messages appear when launching the camera

Your device must have sufficient available memory and battery power to operate the camera app. If you receive error messages when launching the camera, try the following:

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

Photo quality is poorer than the preview

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

Error messages appear when opening multimedia files

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

- Free some memory by transferring files to a computer or deleting files from your device.
- Ensure that the music file is not Digital Rights Management (DRM)-protected. If the file is DRM-protected, ensure that you have the appropriate licence or key to play the file.
- Ensure that the file formats are supported by the device. If a file format is not supported, such as DivX or AC3, install an app that supports it. To confirm the file formats that your device supports, visit www.samsung.com.
- Your device supports photos and videos captured with the device. Photos and videos captured by other devices may not work properly.
- Your device supports multimedia files that are authorised by your network service provider or providers of additional services. Some content circulated on the Internet, such as ringtones, videos, or wallpapers, may not work properly.

Another Bluetooth device is not located

- Ensure that the Bluetooth wireless feature is activated on your device.
- Ensure that the Bluetooth wireless feature is activated on the device you wish to connect to.
- Ensure that your device and the other Bluetooth device are within the maximum Bluetooth range (10 m).

If the tips above do not solve the problem, contact a Samsung Service Centre.

A connection is not established when you connect the device to a computer

- Ensure that the USB cable you are using is compatible with your device.
- Ensure that you have the proper driver installed and updated on your computer.
- If you are a Windows XP user, ensure that you have Windows XP Service Pack 3 or higher installed on your computer.

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.

FCC Part 15.19 Statements:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Part 15.105 statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

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 or 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.

FCC Part 15.21 statement

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Health and safety information

Exposure to Radio Frequency (RF) Signals
Certification Information (SAR)

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. government. These FCC exposure limits are derived from the recommendations of two expert organizations, the National Counsel on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/ kg). The FCC exposure limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC.

For body worn operation, this model phone has been tested and meets the FCC RF exposure guidelines when used with a Samsung accessory designated for this product or when used with an accessory that contains no metal and that positions the handset a minimum of 1.5 cm from the body.

Non-compliance with the above restrictions may result in violation of FCC RF exposure guidelines.

SAR information on this and other model phones can be viewed on-line at http://www.fcc.gov/oet/ea/fccid/. Please use the phone FCC ID number for search, (A3LSMZ200F). Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional product specific SAR information can also be obtained at http://www.fcc.gov/encyclopedia/specific-absorption-rate-sar-cellular-telephones

Copyright

Copyright © 2016 Samsung Electronics

This manual is protected under international copyright laws.

No part of this manual may be reproduced, distributed, translated, or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or storing in any information storage and retrieval system, without the prior written permission of Samsung Electronics.

Trademarks

- SAMSUNG and the SAMSUNG logo are registered trademarks of Samsung Electronics.
- Bluetooth® is a registered trademark of Bluetooth SIG, Inc. worldwide.
- Wi-Fi®, Wi-Fi Protected Setup™, Wi-Fi Direct™, Wi-Fi CERTIFIED™, and the Wi-Fi logo are registered trademarks of the Wi-Fi Alliance.
- All other trademarks and copyrights are the property of their respective owners.