# SAMSUNG

# USER MANUAL

SM-A013F SM-A013F/DS SM-A013G SM-A013G/DS SM-M013F SM-M013F/DS

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www.samsung.com



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# **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 or service provider, a screen protector is attached for protection during production and distribution. Damage to the attached screen protector is not covered by the warranty.
- You can see the touchscreen clearly even in strong outdoor sunlight by automatically
  adjusting the contrast range based on the surrounding environment. Due to the nature
  of the product, displaying fixed graphics for extended periods may result in afterimages
  (screen burn-in) or ghosting.
  - It is recommended not to use fixed graphics on part or all of the touchscreen for extended periods and turn off the touchscreen when not using the device.
  - You can set the touchscreen to turn off automatically when you are not using it.
     Launch the Settings app, tap Display → Screen timeout, and then select the length of time you want the device to wait before turning off the touchscreen.
  - To set the touchscreen to automatically adjust its brightness based on the surrounding environment, launch the **Settings** app, tap **Display**, and then tap the **Auto brightness** switch to activate it.
- Depending on the region or model, some devices are required to receive approval from the Federal Communications Commission (FCC).
  - If your device is approved by the FCC, you can view the FCC ID of the device. To view the FCC ID, launch the **Settings** app and tap **System**  $\rightarrow$  **About phone**  $\rightarrow$  **Status**. If your device does not have an FCC ID, it means that the device has not been authorised for sale in the U.S. or its territories and may only be brought to the U.S. for the owner's personal use.
- Depending on the region, you can view the regulatory information on the device. To view the information, launch the Settings app and tap System → About phone → Regulatory 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

# Device overheating situations and solutions

# When the device heats up while charging the battery

While charging, the device and the charger may become hot. During wireless charging or fast charging, the device may feel hotter to the touch. This does not affect the device's lifespan or performance and is in the device's normal range of operation. If the battery becomes too hot, the charging speed may decrease or the charger may stop charging.

#### Do the following when the device heats up:

- Disconnect the charger from the device and close any running apps. Wait for the device to cool down and then begin charging the device again.
- If the lower part of the device overheats, it could be because the connected USB cable is damaged. Replace the damaged USB cable with a new Samsung-approved one.
- When using a wireless charger, do not place foreign materials, such as metal objects, magnets, and magnetic stripe cards, between the device and the wireless charger.



The wireless charging or fast charging feature is only available on supported models.

# When the device heats up during use

When you use features or apps that require more power or use them for extended periods, your device may temporarily heat up due to increased battery consumption. Close any running apps and do not use the device for a while.

The following are examples of situations in which the device may overheat. Depending on the functions and apps you use, these examples may not apply to your model.

- During the initial setup after purchase or when restoring data
- When downloading large files
- When using apps that require more power or using apps for extended periods
  - When playing high-quality games for extended periods
  - When recording videos for extended periods
  - When streaming videos while using the maximum brightness setting
  - When connecting to a TV
- While multitasking (or, when running many apps in the background)
  - When using Multi window
  - When updating or installing apps while recording videos
  - When downloading large files during a video call
  - When recording videos while using a navigation app
- · When using large amount of data for syncing with the cloud, email, or other accounts
- · When using a navigation app in a car while the device is placed in direct sunlight
- When using the mobile hotspot and tethering feature
- When using the device in areas with weak signals or no reception
- When charging the battery with a damaged USB cable
- When the device's multipurpose jack is damaged or exposed to foreign materials, such as liquid, dust, metal powder, and pencil lead
- When you are roaming

#### Do the following when the device heats up:

- Keep the device updated with the latest software.
- Conflicts between running apps may cause the device to heat up. Restart the device.
- Deactivate the Wi-Fi, GPS, and Bluetooth features when not using them.
- Close apps that increase battery consumption or that run in the background when not in use.
- Delete unnecessary files or unused apps.
- Decrease the screen brightness.
- 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.

# **Precautions for device overheating**

If you begin to feel uncomfortable due to the device overheating, stop using the device.

When the device heats up, the features and performance may be limited or the device may turn off to cool down. The feature is only available on supported models.

- If the device overheats and reaches a certain temperature, a warning message will appear to prevent device failure, skin irritations and damages, and battery leakage. To lower the device's temperature, the screen brightness and the performance speed will be limited and battery charging will stop. Running apps will be closed and all calling and other features will be limited, except for emergency calls, until the device cools down.
- If the second message appears due to a further increase of the device's temperature, the device will turn off. Do not use the device until the device's temperature drops below the specified level. If the second warning message appears during an emergency call, the call will not be disconnected by a forced shut down.

### **Precautions for operating environment**

Your device may heat up due to the environment in the following conditions. Use caution to avoid shortening the battery's lifespan, damaging the device, or causing a fire.

- Do not store your device in very cold or very hot temperatures.
- Do not expose your device to direct sunlight for extended periods.
- Do not use or store your device for extended periods in very hot areas, such as inside a car in the summertime.
- Do not place the device in any areas that may overheat, such as on an electric heating mat.
- Do not store your device near or in heaters, microwaves, hot cooking equipment, or high pressure containers.
- Do not use a cable whose covering is peeled off or damaged, and do not use any charger or battery that is damaged or malfunctioning.

# **Device layout and functions**

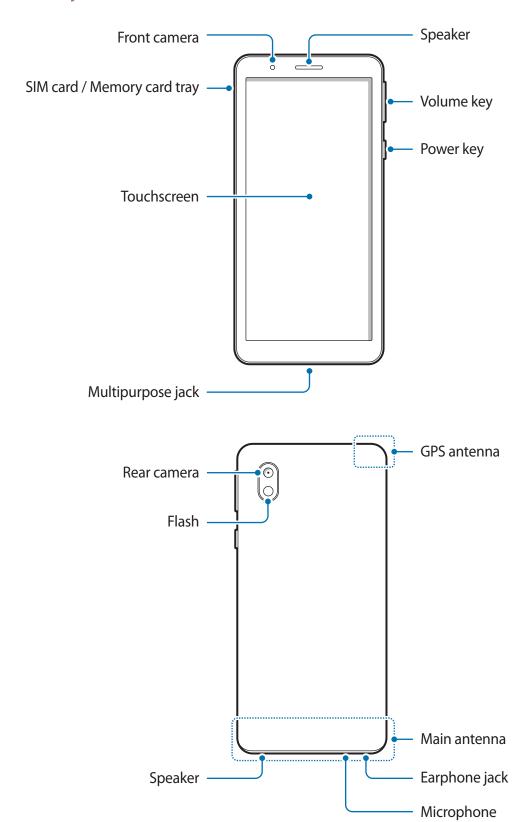
### **Package contents**

Refer to the quick start guide for package contents.



- 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**





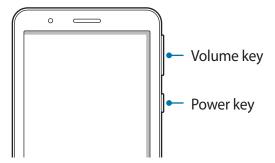
- When using the speakers, such as when playing media files or using speakerphone, do not place the device close to your ears.
- Be careful not to expose the camera lens to a strong light source, such as direct sunlight. If the camera lens is exposed to a strong light source, such as direct sunlight, the camera image sensor may be damaged. A damaged image sensor is irreparable and will cause dots or spots in pictures.
- If you use the device with its glass or acrylic body broken, there may be a risk of injury. Use the device only after it has been repaired at a Samsung Service Centre.
- If dust or foreign materials enter the microphone, speaker, or receiver, the device's sound may become quiet or certain features may not work. If you attempt to remove the dust or foreign materials with a sharp object, the device may be damaged and its appearance may be affected.



- 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.

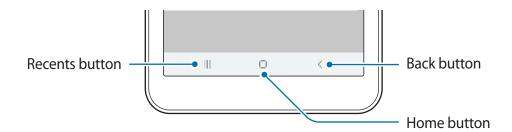
**Basics** 

# **Hard keys**



Key	Function		
Dowerkov	<ul> <li>Press and hold to turn the device on or off.</li> </ul>		
Power key	<ul> <li>Press to turn on or lock the screen.</li> </ul>		
Volume key	Press to adjust the device volume.		

#### **Soft buttons**



When you turn on the screen, the soft buttons will appear at the bottom of the screen. The soft buttons are set to the Recents button, Home button, and Back button by default. Refer to Navigation bar (soft buttons) for more information.

# **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 battery, charger, and cable specifically designed for your device. Incompatible battery, charger, and cable can cause serious injuries or damage to your device.

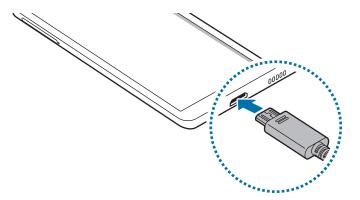


Connecting the charger improperly may cause serious damage to the device. Any damage caused by misuse is not covered by the warranty.



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.

1 Plug the small end of the charger into the multipurpose jack of the device, and plug the large end of the charger into an electric socket.



2 After fully charging, disconnect the charger from the device. Then, unplug the charger from the electric socket.

#### Reducing the battery consumption

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

- Optimise the device using the smart manager feature.
- When you are not using the device, turn off the screen by pressing the Power key.
- Activate power saving mode.
- Close unnecessary apps.
- Deactivate the Bluetooth feature when not in use.
- Deactivate auto-syncing of apps that need to be synced.
- 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 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 this occurs during wireless charging, disconnect the device
  from the charger to let it cool down, then charge the device again later.
- If you charge the device while the multipurpose jack is wet, the device may be damaged. Thoroughly dry the multipurpose jack before charging the device.
- If the device is not charging properly, take the device and the charger to a Samsung Service Centre.

# SIM or USIM card (nano-SIM card)

# Installing the SIM or USIM card

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

For dual SIM models, you can insert two SIM or USIM cards so you can have two phone numbers or service providers for a single device. In some areas, data transfer speeds may be slower if two SIM cards are inserted in the device than when one SIM card is inserted.

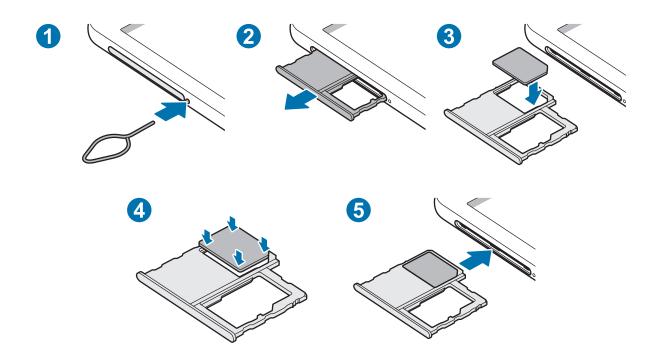


- Use only a nano-SIM card.
- Use caution not to lose or let others use the SIM or USIM card. Samsung is not responsible for any damages or inconveniences caused by lost or stolen cards.

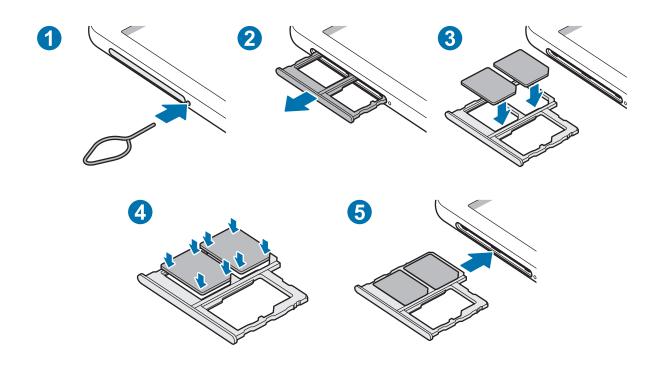


Some services that require a network connection may not be available depending on the service provider.

#### ► Single SIM models:



#### ► Dual SIM models:



- 1 Insert the ejection pin into the hole next to the tray to loosen the tray.
- Ensure that the ejection pin is perpendicular to the hole. Otherwise, the device may be damaged.
- 2 Pull out the tray gently from the tray slot.
- 3 Place the SIM or USIM card on the tray with the gold-coloured contacts facing downwards.
- 4 Gently press the SIM or USIM card into the tray to secure it.
- If the card is not fixed firmly into the tray, the SIM card may leave or fall out of the tray.
- 5 Insert the tray back into the tray slot.
- If you insert the tray into your device while the tray is wet, your device may be damaged. Always make sure the tray is dry.
  - Fully insert the tray into the tray slot to prevent liquid from entering your device.

### Using dual SIM or USIM cards (dual SIM models)

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**

Launch the **Settings** app and tap **Connections** → **SIM card manager**. Select a SIM or USIM card and tap the switch to activate it.

#### **Customising SIM or USIM cards**

Launch the **Settings** app and tap **Connections**  $\rightarrow$  **SIM card manager**, and then select a SIM or USIM card to access the following options:

- Name: Change the display name of the SIM or USIM card.
- **Network mode**: Select a network type to use with the SIM or USIM card.

#### **Setting preferred SIM or USIM cards**

When two cards are activated, you can assign voice calls, messaging, and data services to specific cards.

Launch the **Settings** app, tap **Connections** → **SIM card manager**, and then set the feature preferences for your cards in **Preferred SIM card**.

# Memory card (microSD card)

# Installing a memory card

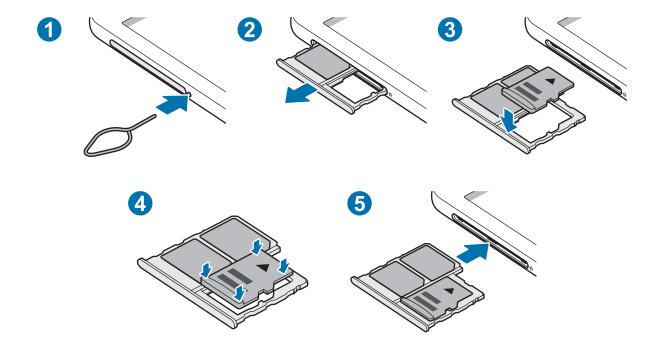
Your device's memory card capacity may vary from other models and some memory cards may not be compatible with your device depending on the memory card manufacturer and type. To view your device's maximum memory card capacity, refer to the Samsung website.



- 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 will ask to reformat
  the card or will not recognise the card. To use the memory card, you must format it.
  If your device cannot format or recognise the memory card, contact the memory
  card manufacturer or a Samsung Service Centre.
- Frequent writing and erasing of data shortens the lifespan of memory cards.
- When inserting a memory card into the device, a link to the memory card's file directory appears on the notification panel.



- 1 Insert the ejection pin into the hole next to the tray to loosen the tray.
- Ensure that the ejection pin is perpendicular to the hole. Otherwise, the device may be damaged.
- 2 Pull out the tray gently from the tray slot.
- When you remove the tray from the device, the mobile data connection will be disabled.

**Basics** 

- 3 Place a memory card on the tray with the gold-coloured contacts facing downwards.
- 4 Gently press the memory card into the tray to secure it.
- If the card is not fixed firmly into the tray, the memory card may leave or fall out of the tray.
- 5 Insert the tray back into the tray slot.



- If you insert the tray into your device while the tray is wet, your device may be damaged. Always make sure the tray is dry.
- Fully insert the tray into the tray slot to prevent liquid from entering your device.

# Removing the memory card

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

Launch the **Settings** app and tap **Smart Manager**  $\rightarrow$  **Storage**  $\rightarrow$  **!**  $\rightarrow$  **Storage settings**  $\rightarrow$  **SD** card  $\rightarrow$  **UNMOUNT**.



Do not remove external storage, such as a memory card or USB storage, while the device is transferring or accessing information, or right after transferring data. Doing so can cause data to be corrupted or lost or cause damage to the external storage or device. Samsung is not responsible for losses, including loss of data, resulting from the misuse of external storage devices.

### 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.

Launch the **Settings** app and tap **Smart Manager**  $\rightarrow$  **Storage**  $\rightarrow$  **E**  $\rightarrow$  **Storage settings**  $\rightarrow$  **SD card**  $\rightarrow$  **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



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

#### Turning the device on

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.

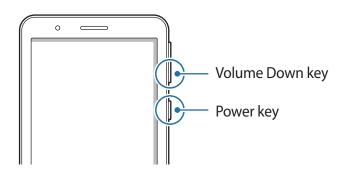
#### Turning the device off

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

To restart the device, tap **Restart**.

#### **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.



# **Initial setup**

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.

- 1 Turn on the device.
- 2 Select your preferred device language and select .
- 3 Follow the on-screen instructions to complete the setup. The Home screen will appear.



If you do not connect to a Wi-Fi network, you may not be able to set up some device features during the initial setup.

# Samsung account

Your Samsung account is an integrated account service that allows you to use a variety of Samsung services provided by mobile devices, TVs, and the Samsung website.

To check the list of services that can be used with your Samsung account, launch the **Settings** app and tap  $Accounts \rightarrow Accounts \rightarrow Samsung account \rightarrow Help$ . Alternatively, visit account.samsung.com.

#### **Creating a Samsung account**

If you do not have a Samsung account, you should create one.

- 1 Launch the **Settings** app and tap **Accounts** → **Accounts** → **Add account** → **Samsung** account.
- 2 Tap Create account.
- Follow the on-screen instructions to complete creating your account.

#### Signing in to your Samsung account

If you already have a Samsung account, sign in to your Samsung account. You can also sign in using your Google account.

- 1 Launch the **Settings** app and tap **Accounts** → **Accounts** → **Add account** → **Samsung** account.
- 2 Enter your Samsung account ID and password and tap **Sign in**.

  If you want to sign in using your Google account, tap **Continue with Google**.
- Follow the on-screen instructions to complete signing in to your Samsung account.

#### Finding your ID and resetting your password

If you forget your Samsung account ID or password, tap **Find ID** or **Reset password** on the Samsung account sign-in screen. You can find your ID or reset your password after you enter the required information.

#### Removing your Samsung account

When you remove your Samsung account from the device, your data, such as contacts or events, will also be removed.

- 1 Launch the **Settings** app and tap **Accounts**  $\rightarrow$  **Accounts**.
- 2 Tap Samsung account  $\rightarrow$  Personal info  $\rightarrow \stackrel{\bullet}{=} \rightarrow$  Sign out.
- 3 Tap **Sign out**, enter your Samsung account password, and then tap **OK**.

# **Understanding the screen**

# Controlling the 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.
- It is recommended not to use fixed graphics on part or all of the touchscreen for extended periods. Doing so may result in afterimages (screen burn-in) or ghosting.



- The device may not recognise touch inputs close to the edges of the screen, which are outside of the touch input area.
- It is recommended to use fingers when you use the touchscreen.

#### **Tapping**

Tap the screen.



### **Tapping and holding**

Tap and hold the screen for approximately 2 seconds.



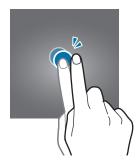
#### **Dragging**

Tap and hold an item and drag it to the target position.



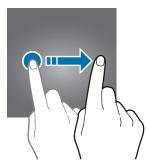
### **Double-tapping**

Double-tap the screen.



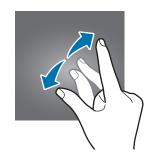
### **Swiping**

Swipe upwards, downwards, to the left, or to the right.



### Spreading and pinching

Spread two fingers apart or pinch on the screen.





# **Navigation bar (soft buttons)**

When you turn on the screen, the soft buttons will appear on the navigation bar at the bottom of the screen. The soft buttons are set to the Recents button, Home button, and Back button by default. The functions of the buttons can change according to the app currently being used or usage environment.



Button		Function
Ш	Recents	<ul> <li>Tap to open the list of recent apps.</li> </ul>
0	Home	<ul> <li>Tap to return to the Home screen.</li> </ul>
		<ul> <li>Tap and hold to launch the Google Assistant.</li> </ul>
<	Back	<ul> <li>Tap to return to the previous screen.</li> </ul>

# Setting the navigation bar

Change the order of the buttons on the navigation bar.

Launch the **Settings** app and tap **Display**  $\rightarrow$  **Navigation bar**  $\rightarrow$  **Button layout**, and then select an option.

# Home screen and Apps screen

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

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



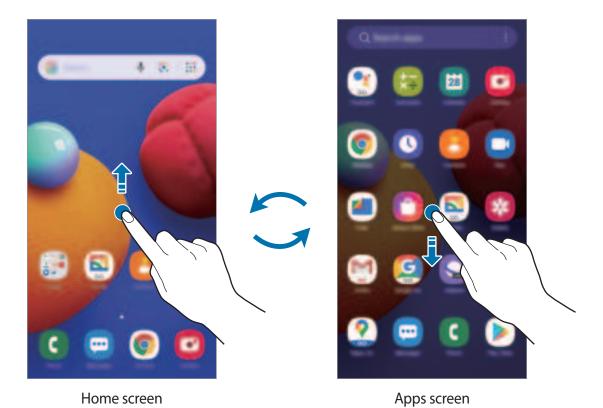
The screen may appear differently depending on the region or service provider.



## **Switching between Home and Apps screens**

On the Home screen, swipe upwards to open the Apps screen. To return to the Home screen, swipe downwards on the Apps screen.

Alternatively, tap the Home button or the Back button.



#### **Moving items**

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

To add a shortcut to an app on the Home screen, tap and hold an item on the Apps screen, and then tap **Add to Home**. A shortcut to the app will be added on the Home screen.

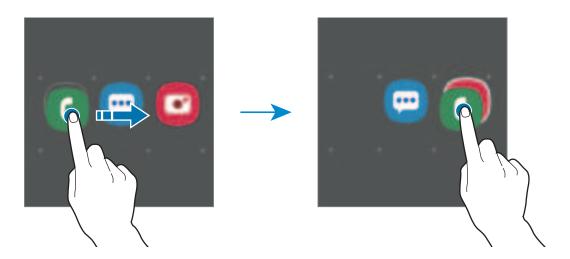
You can also move frequently used apps to the shortcuts area at the bottom of the Home screen.

#### **Creating folders**

Create folders and gather similar apps to quickly access and launch apps.

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

A new folder containing the selected apps will be created. Tap **Folder name** and enter a folder name.



#### Adding more apps

You can add an app by dragging it to the folder.

#### Moving apps from a folder

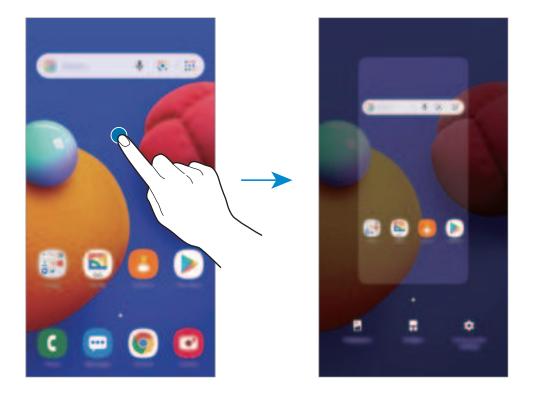
Tap and hold an app to drag it to a new location.

#### Deleting a folder

Tap and hold a folder, and then tap **Delete folder**. Only the folder will be deleted. The folder's apps will be relocated to the Apps screen.

#### **Editing the Home screen**

On the Home screen, tap and hold an empty area, or pinch your fingers together to access the editing options. You can set the wallpaper, add widgets, and more.



- Wallpapers: Change the wallpaper settings for the Home screen and the locked screen.
- Widgets: Widgets are small apps that launch specific app functions to provide information and convenient access on your Home screen. Tap and hold a widget, and then drag it to the Home screen. The widget will be added on the Home screen.
- Home screen settings: Change the Home screen settings.

### **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.
- The indicator icons may appear differently depending on the service provider or model.

lcon	Meaning
0	No signal
all	Signal strength
P <sub>il</sub> l	Roaming (outside of normal service area)
G +1	GPRS network connected
E L†	EDGE network connected
36 11	UMTS network connected
H	HSDPA network connected
H+ 41	HSPA+ network connected
4G / LTE	LTE network connected
<b>~</b>	Wi-Fi connected
*	Bluetooth feature activated
0	Location services being used
•	Call in progress
×	Missed call
	New text or multimedia message
Ø	Alarm activated
*	Mute mode activated
*	Vibration mode activated
<b>*</b>	Flight mode activated
<b>A</b>	Error occurred or caution required
Ġ	Battery charging
ı i	Battery power level

**Basics** 

# 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, swipe in any direction when the screen turns on.

If the screen is off, press the Power key to turn on the screen.



Locked screen

#### Changing the screen lock method

To change the screen lock method, launch the **Settings** app, tap **Lock screen and security**  $\rightarrow$  **Screen lock type**, and then select a method.

When you set a pattern, PIN, or password for the screen lock method, you can protect your personal information by preventing others from accessing your device. After setting the screen lock method, the device will require an unlock code whenever unlocking it.

- Swipe: Swipe in any direction on the screen to unlock it.
- Pattern: Draw a pattern with four or more dots to unlock the screen.
- **PIN**: Enter a PIN with at least four numbers to unlock the screen.
- Password: Enter a password with at least four characters, numbers, or symbols to unlock the screen.
- None: Do not set a screen lock method.

### Screen capture

Capture a screenshot while using the device.

Press and hold the Volume Down key and the Power key simultaneously. Captured screenshots will be saved in **Gallery**.

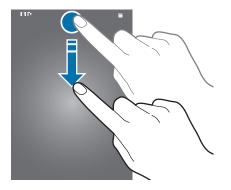


It is not possible to capture a screenshot while using some apps and features.

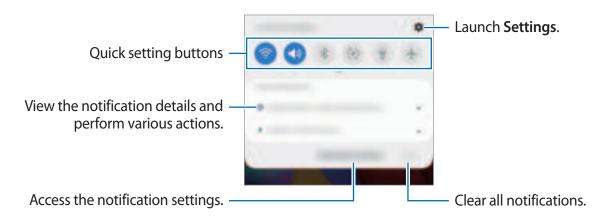
# **Notification panel**

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

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



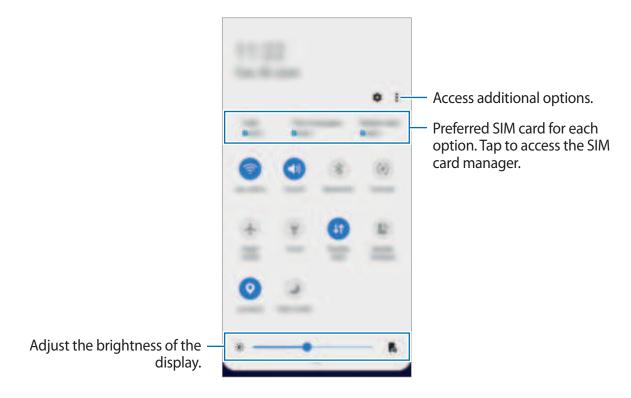
You can use the following functions on the notification panel.



**Basics** 

#### Using quick setting buttons

Tap quick setting buttons to activate certain features. Swipe downwards on the notification panel to view more buttons.



To change feature settings, tap the text under each button or tap and hold a button.

To rearrange buttons, tap  $\stackrel{\$}{=} \rightarrow$  **Button order**, tap and hold a button, and then drag it to another location.

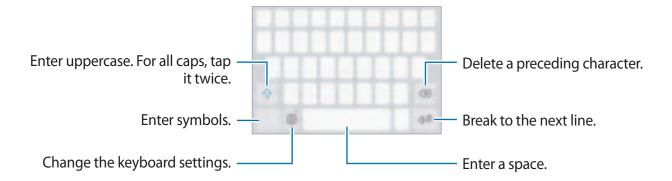
# **Entering text**

# **Keyboard layout**

A keyboard appears automatically when you enter text to send messages, create notes, 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.

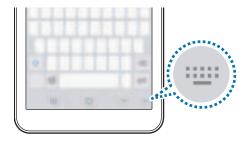


#### Changing the input language

Tap  $\bigcirc: \rightarrow$  Languages and types  $\rightarrow$  Manage input languages and 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

On the navigation bar, tap [1] to change the keyboard.



To change the keyboard type, tap  $\bigcirc \rightarrow$  Languages and types, select a language, and then select the keyboard type you want.



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

#### **Additional keyboard functions**

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



Some features may not be available depending on the region or service provider.

- . Enter text by voice.
- ( : Enter emoticons.
- : Change the keyboard for one-handed operation.
- 🐧 : 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.
- 4 Tap and hold where the text is to be inserted and tap Paste.

# Apps and features

# Installing or uninstalling apps

## **Galaxy Store**

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

Launch the Galaxy Store app.



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

#### **Installing apps**

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

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



To change the auto update settings, tap  $\equiv \rightarrow \Leftrightarrow \rightarrow \text{Auto update apps}$ , and then select an option.

### **Play Store**

Purchase and download apps.

Launch the Play Store app.

#### **Installing apps**

Browse apps by category or search for apps by keyword.

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



To change the auto update settings, tap  $\longrightarrow$  **Settings**  $\rightarrow$  **Auto-update apps**, and then select an option.

# Managing apps

### Uninstalling or disabling apps

Tap and hold an app and select an option.

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



Some apps may not support this feature.

#### **Enabling apps**

Launch the **Settings** app, tap **Apps and notifications**  $\rightarrow$  **All apps**  $\rightarrow$   $\longrightarrow$  **Disabled**, select an app, and then tap **ENABLE**.

#### **Setting app permissions**

For some apps to operate properly, they may need permission to access or use information on your device.

To view your app permission settings, launch the **Settings** app and tap **Apps and notifications** → **All apps**. Select an app and tap **Permissions**. You can view the app's permissions list and change its permissions.

To view or change app permission settings by permission category, launch the **Settings** app and tap **Apps and notifications**  $\rightarrow$  **Permission manager**. Select an item and select an app.



If you do not grant permissions to apps, the basic features of the apps may not function properly.

# **Phone**

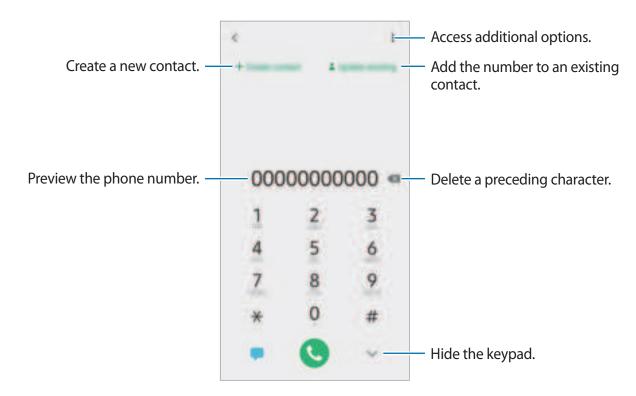
# Introduction

Make or answer voice calls.

# **Making calls**

- 1 Launch the **Phone** app and enter a phone number.

  If the keypad does not appear on the screen, tap to open the keypad.
- 2 Tap **(** to make a voice call.



### Making calls from call logs or contacts list

Swipe to the right on a contact or a phone number to make a call.

If this feature is deactivated, launch the **Settings** app, tap **System**  $\rightarrow$  **Gestures**, and then tap the **Swipe to call or send messages** switch to activate it.

### Making calls from the locked screen

On the locked screen, drag 📵 outside the circle.

### Making an international call

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

# **Receiving calls**

### Answering a call

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

### Rejecting a call

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

To send a message when rejecting an incoming call, drag the **Send message** bar upwards and select a message to send.

To create various rejection messages, launch the **Phone** app, tap  $\longrightarrow$  **Settings**  $\longrightarrow$  **Quick decline messages**, enter a message, and then tap +.

#### Missed calls

If a call is missed, the  $\cong$  icon appears on the status bar. Open the notification panel to view the list of missed calls.

# **Blocking phone numbers**

Block calls from specific numbers added to your block list.

- 1 Launch the **Phone** app and tap  $\longrightarrow$  **Settings**  $\longrightarrow$  **Block numbers**.
- Tap Contacts, select contacts or phone numbers, and then tap Done.
  To manually enter a number, tap Add phone number, enter a phone number, and then tap +.

When blocked numbers try to contact you, you will not receive notifications. The calls will be logged in the call log.



You can also block incoming calls from people that do not show their caller ID. Tap the **Block unknown callers** switch to activate the feature.

# **Options during calls**

### **During a voice call**

The following actions are available:

- : Access additional options.
- Add call: Dial a second call. The first call will be put on hold. When you end the second
  call, the first call will be resumed.
- Hold call: Hold a call. Tap Resume call to retrieve the held call.
- Bluetooth: Switch to a Bluetooth headset if it is connected to the device.
- **Speaker**: Activate or deactivate the speakerphone. When using the speakerphone, keep the device away from your ears.
- Mute: Turn off the microphone so that the other party cannot hear you.
- **Keypad** / **Hide**: Open or close the keypad.
- 📵 : End the current call.

# Adding a phone number to Contacts

# Adding a phone number to Contacts from the keypad

- 1 Launch the **Phone** app.
- 2 Enter the number.

  If the keypad does not appear on the screen, tap 
  to open the keypad.
- 3 Tap Create contact to create a new contact, or tap Update existing to add the number to an existing contact.

# Adding a phone number to Contacts from the calls list

- 1 Launch the **Phone** app.
- 2 Tap a caller's image, or tap a phone number  $\rightarrow$  **Details**.
- 3 Tap **Add** to create a new contact, or tap **Update existing** to add the number to an existing contact.

# **Contacts**

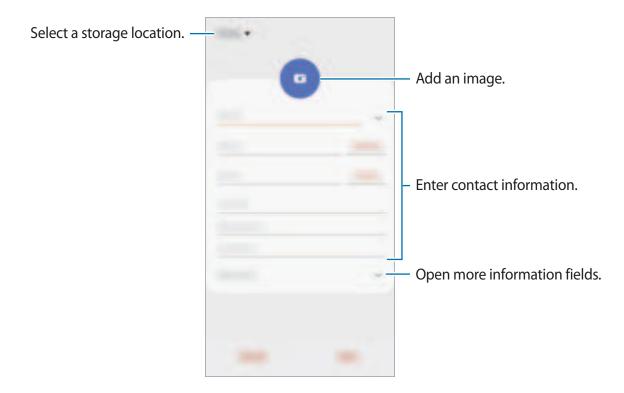
### Introduction

Create new contacts or manage contacts on the device.

# **Adding contacts**

# Creating a new contact

- 1 Launch the Contacts app and tap ...
- 2 Select a storage location.
- 3 Enter contact information.



- Depending on the selected storage location, the types of information you can save may vary.
- 4 Tap Save.

#### **Importing contacts**

Add contacts by importing them from other storages to your device.

- 2 Select a storage location to import contacts from.
- 3 Select a storage location to save contacts to.
- 4 Tick VCF files or contacts to import and tap **Done**.

### Syncing contacts with your web accounts

Sync your device contacts with online contacts saved in your web accounts.

- 1 Launch the **Settings** app, tap **Accounts** → **Accounts** and select the account to sync with.
- 2 Tap Sync account and tap the Contacts switch to activate it.



This feature is not supported for some accounts.

# **Searching for contacts**

Launch the Contacts app.

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.

Apps and features

Tap the contact's image, or tap the contact's name  $\rightarrow$  **Details**. Then take one of the following actions:

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

# **Sharing contacts**

You can share contacts with others by using various sharing options.

- 1 Launch the **Contacts** app and tap  $\longrightarrow$  **Share**.
- 2 Select contacts and tap **Share**.
- 3 Select a sharing method.

# **Creating groups**

You can add groups, such as family or friends, and manage contacts by group.

- 1 Launch the **Contacts** app and tap  $\longrightarrow$  **Labels**.
- 2 Tap **Create** and enter a label name.
- 3 Tap Add member, select contacts to add to the group, and then tap Done.
- 4 Tap Save.

### Sending a group message

You can send a group message to a group's members at the same time.

Launch the **Contacts** app, tap  $\blacksquare \rightarrow$  **Labels**, select a group, and then tap  $\blacksquare \rightarrow$  **Send message**.

# Merging duplicate contacts

When you import contacts from other storages, or sync contacts with other accounts, your contacts list may include duplicate contacts. Merge duplicate contacts into one to streamline your contacts list.

- 1 Launch the **Contacts** app and tap the contact's name → **Details**.
- $2 \quad \mathsf{Tap} : \to \mathsf{Link} \ \mathsf{contacts}.$
- 3 Select contacts and tap Link.

# **Deleting contacts**

- 1 Launch the **Contacts** app and tap  $\downarrow \rightarrow$  **Delete**.
- 2 Select contacts and tap **Delete**.

To delete contacts one by one, open the contacts list and tap a contact's image or tap a contact's name  $\rightarrow$  **Details**. Then tap  $\stackrel{\bullet}{=} \rightarrow$  **Delete**.

# Messages

### Introduction

Send and view messages by conversation.

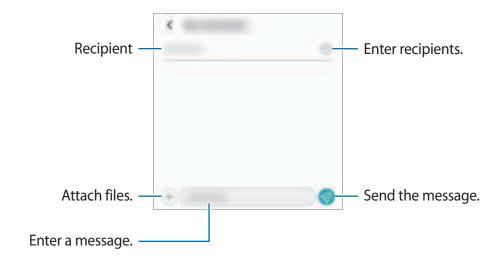
# **Sending messages**



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

- 2 Add recipients and enter a message.

To record and send a voice message, tap and hold ①, say your message, and then release your finger. The recording icon appears only while the message input field is empty.



3 Tap 🕡 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 Launch the **Messages** app.
- 2 On the messages list, select a contact or a phone number.
  - To reply to the message, tap the message input field, enter a message, and then tap
  - To adjust the font size, spread two fingers apart or pinch on the screen.

# **Blocking unwanted messages**

Block messages from specific numbers added to your block list.

- 1 Launch the Messages app and tap ≛→ Settings → Block numbers and messages → Block numbers.
- 2 Tap Inbox and select a contact or a phone number. Or, tap Contacts, select contacts, and then tap Done.

To manually enter a number, tap **Enter number**, enter a phone number, and then tap +.

# Setting the message notification

You can change notification sound, display options, and more.

- 1 Launch the **Messages** app, tap ≛ → **Settings** → **Notifications**, and then tap the switch to activate it.
- 2 Change the notification settings.

# **Deleting messages**

- 1 Launch the **Messages** app.
- 2 On the messages list, select a contact or a phone number.
- 3 Tap and hold a message, then tap Delete.
  To delete multiple messages, tick messages you want to delete.
- 4 Tap Delete.

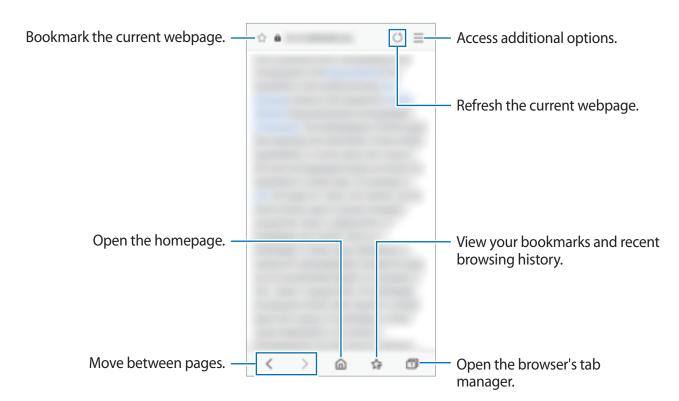
# **Internet**

### Introduction

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

# **Browsing webpages**

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



# **Camera**

#### Introduction

Take photos and record videos using various modes and settings.

#### 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.

### **Launching Camera**

Use the following methods to launch Camera:

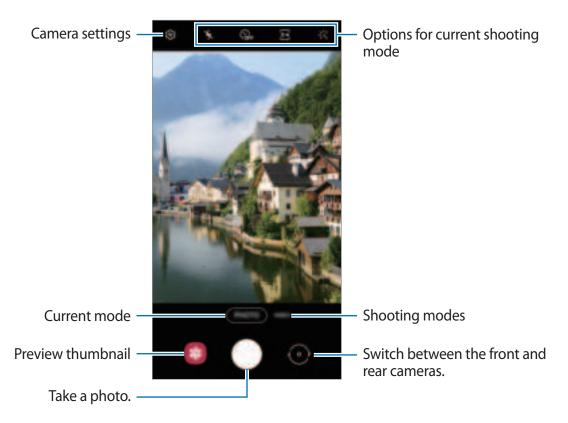
- · Launch the Camera app.
- · Press the Power key twice quickly.
- On the locked screen, drag outside the circle.



- · Some methods may not be available depending on the region or service provider.
- Some camera features are not available when you launch the **Camera** app from the locked screen or when the screen is turned off while the screen lock method is set.
- If photos you take appear blurry, clean the camera lens and try again.

# **Taking photos**

- 1 Tap the image on the preview screen where the camera should focus.
  - Spread two fingers apart on the screen to zoom in, and pinch to zoom out. Zooming features are available only when using the rear camera.
  - To adjust the brightness of photos or videos, tap the screen. When the adjustment bar appears, drag the adjustment bar towards + or -.
- 2 Tap ① to take a photo.





- 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 not damaged or contaminated. Otherwise, the device may not work properly in some modes that require high resolutions.
- Your device's camera features a wide-angle lens. Minor distortion may occur in wide-angle photos or videos and does not indicate device performance problems.

### Options for current shooting mode

On the preview screen, use the following options.





The available options may vary depending on the shooting mode.

- 📉 : Activate or deactivate the flash.
- $\cdot$  : Select the length of the delay before the camera automatically takes a photo.
- Select an aspect ratio for photos.
- : Apply a filter effect.
- Select an aspect ratio for videos.

### Locking the focus (AF) and exposure (AE)

You can lock the focus or exposure on a selected area to prevent the camera from automatically adjusting based on changes to the subjects or light sources.

Tap and hold the area to focus, the AF/AE frame will appear on the area and the focus and exposure setting will be locked. The setting remains locked even after you take a photo.

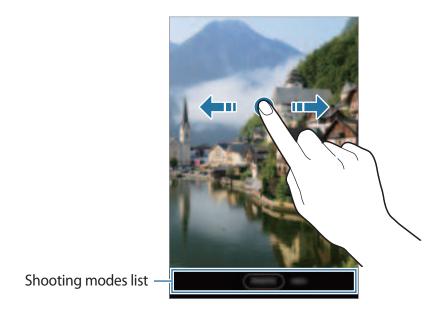


This feature is available only in **PHOTO** mode.

# **Changing shooting modes**

To change the shooting mode, drag the shooting modes list to the left or right, or swipe to the left or right on the preview screen.

Select a shooting mode you want.



### Photo mode

The camera adjusts the shooting options automatically depending on the surroundings to capture photos easily.

On the shooting modes list, tap **PHOTO** and tap to take a photo.

### **Taking selfies**

You can take self-portraits with the front camera.

- 1 On the shooting modes list, tap **PHOTO**.
- 2 On the preview screen, swipe upwards or downwards, or tap (i) to switch to the front camera for self-portraits.
- **3** Face the front camera lens.
- 4 Tap ① to take a photo.

### **Applying filter effects**

You can select a filter effect before taking a photo.

- 1 On the preview screen, tap 🛬.
- 2 Select a filter effect and take a photo.

#### Video mode

The camera adjusts the shooting options automatically depending on the surroundings to record videos easily.

- 1 On the shooting modes list, tap **VIDEO**.
- 2 Tap 

  to record a video.
  - To capture an image from the video while recording, tap .
  - To change the focus while recording a video, tap where you want to focus. To use auto focus mode, tap AF to cancel the manually set focus.
- 3 Tap to stop recording the video.

# **Customising camera settings**

On the preview screen, tap ②. Some options may not be available depending on the shooting mode.

#### **Videos**

- Rear video size: Select a resolution for videos you want to take with the rear camera.
   Using a higher resolution will result in higher quality videos, but they will take up more memory.
- Front video size: Select a resolution for videos you want to take with the front camera. Using a higher resolution will result in higher quality videos, but they will take up more memory.

#### **Useful features**

- Grid lines: Display viewfinder guides to help composition when selecting subjects.
- **Pictures as previewed**: Set the device to save photos as they appear on the preview screen when taken with the front camera without flipping them.
- 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.
- Shooting Methods: Select additional shooting methods for taking a photo or recording a video.
- Storage location: Select the memory location for storage. This feature will appear when you insert a memory card.
- Quick launch: Set the device to launch the camera by pressing the Power key twice quickly.
- Reset settings: Reset the camera settings.
- About Camera: View the Camera app version and legal information.

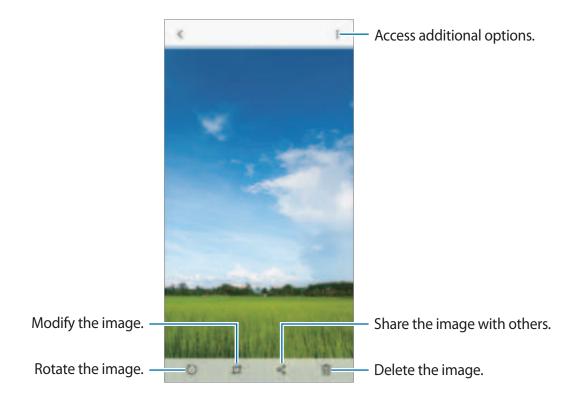
# **Gallery**

# Introduction

View images and videos stored in your device. You can also manage images and videos by album.

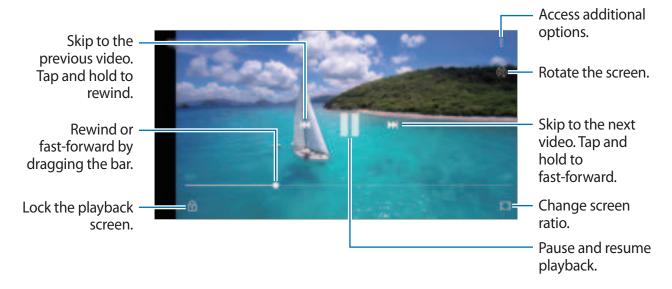
# Viewing images

- 1 Launch the **Gallery** app and tap **PICTURES**.
- 2 Select an image.



# Viewing videos

- 1 Launch the **Gallery** app and tap **PICTURES**.
- 2 Select a video to play. Video files show the > icon on the preview thumbnail.
- 3 Tap ▶ to play the video.



Drag your finger up or down on the left side of the playback screen to adjust the brightness, or drag your finger up or down on the right side of the playback screen to adjust the volume. To rewind or fast-forward, swipe to the left or right on the playback screen.

# Viewing albums

You can view your images and videos sorted by folders or albums. Launch the **Gallery** app, tap **ALBUMS**, and then select an album.

# **Deleting images or videos**

### Deleting an image or a video

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

# Deleting multiple images and videos

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

# **Calendar**

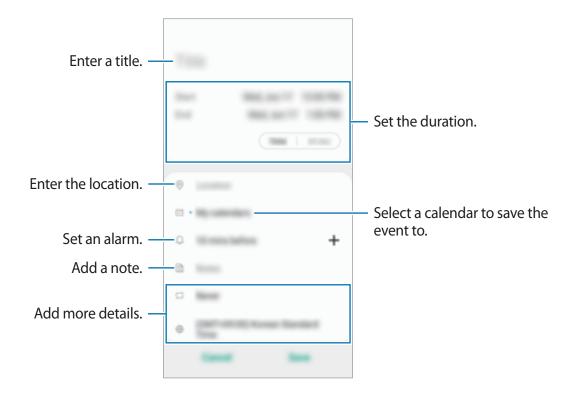
Manage your schedule by entering upcoming events in your planner.

# **Creating events**

1 Launch the Calendar app and tap or double-tap a date.

If the date already has saved events in it, tap the date and tap .

#### 2 Enter event details.



3 Tap Save to save the event.

# Syncing events with your accounts

- 1 Launch the **Settings** app, tap **Accounts** → **Accounts** and select the account to sync with.
- 2 Tap Sync account and tap the Calendar switch to activate it.

This feature is not supported for some accounts.

To add accounts to sync with, launch the **Calendar** app and tap  $\stackrel{\bullet}{=} \to \text{Manage calendars} \to \text{Add account}$ . Then, select an account to sync with and sign in. When an account is added, it will appear on the list.

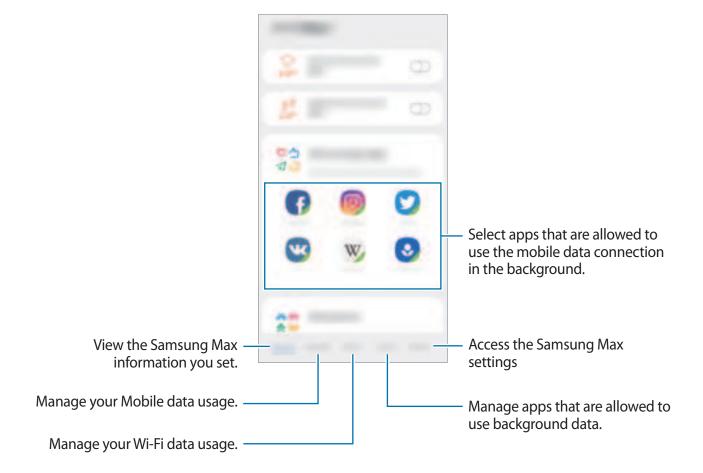
# Samsung Max

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, videos, and webpages, accessed via the mobile network.



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

#### Launch the Samsung Max app.



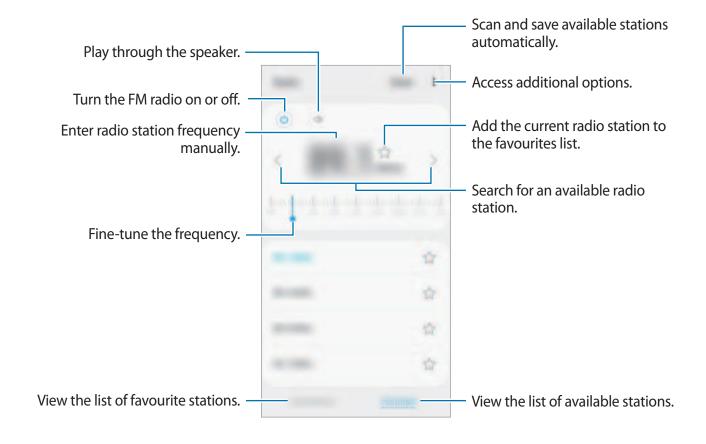
# Radio

Launch the Radio app.

Before you use this app, you must connect an earphone, which serves as the radio antenna.



- This app may not be available depending on the region or service provider.
- The FM radio scans and saves available stations automatically when running for the first time.



### Playing through the speaker

You can listen to the radio through the speaker instead of the connected earphone.

Тар 🗐.

# Clock

#### Introduction

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

#### **Alarm**

Launch the **Clock** app and tap **Alarm**.

### **Setting alarms**

Tap + in the alarms list, set an alarm time, select the days on which the alarm will repeat, set other various alarm options, and then tap **Save**.

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

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

### **Stopping alarms**

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

### **Deleting alarms**

Tap and hold an alarm, tick alarms to delete, and then tap **Delete**.

#### **World Clock**

Launch the Clock app and tap World Clock.

### **Creating clocks**

Tap +, enter a city name or select a city from a list.

### **Deleting clocks**

Tap and hold a clock, tick clocks to delete, and then tap **Delete**.

# **Stopwatch**

- 1 Launch the Clock app and tap 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 Launch the **Clock** app and tap **Timer**.

To add a frequently used timer, tap  $\stackrel{\bullet}{=} \rightarrow$  Add preset timer, set the duration and name, and then tap Add.

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

To open the keypad to enter the duration, tap the duration input field.

3 Tap **Dismiss** when the timer goes off.

# **Calculator**

Perform simple or complex calculations.

Launch the **Calculator** app.

Tap <u>s</u> to display the scientific calculator.

To see the calculation history, tap . To close the calculation history panel, tap ....

To clear the history, tap  $\bigcirc \rightarrow$  Clear history.

To use the EMI calculator, tap . Enter the total amount, interest rate and set the period, and then tap **Calculate**.

# **Sharing content**

Share content by using various sharing options. The following actions are an example of sharing images.



You may incur additional charges when sharing files via the mobile network.

- 1 Launch the **Gallery** app and select an image.
- 2 Tap 🚓 and select a sharing method, such as Bluetooth and message.

# Google apps

Google provides entertainment, social network, and business apps. You may require a Google account to access some apps.

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.

### Google Go

Search quickly for items on the Internet or your device.

#### **Gmail**

Send or receive emails via the Google Mail service.

Apps and features

#### **Assistant**

Make quick phone calls, set reminders, and receive updates on the latest news with your voice or text.

### Maps Go

Find your location on the map, search the world map, and view location information for various places around you.

#### Chrome

Search for information and browse webpages.

#### **YT Music**

Enjoy various music and videos provided by YouTube Music. You can also view the music collections stored on your device and play them.

#### YouTube Go

Watch or create videos and share them with others.

#### Gallery

View images and videos stored in your device. You can also manage images and videos by folder.

#### **Files**

Simply browse, share, and back up files with cleaning recommendations to clear your cache and remove duplicate files.

#### Duo

Make a simple video call.

# Settings

# Introduction

Customise device settings. You can make your device more personalised by configuring various setting options.

Launch the **Settings** app.

To search for settings by entering keywords, tap  $\mathbb{Q}$ .

# **Connections**

# **Options**

Change settings for various connections, such as the Wi-Fi feature and Bluetooth.

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

- Wi-Fi: Activate the Wi-Fi feature to connect to a Wi-Fi network and access the Internet or other network devices. Refer to Wi-Fi for more information.
- **Bluetooth**: Use Bluetooth to exchange data or media files with other Bluetooth-enabled devices. Refer to Bluetooth for more information.
- **Flight mode**: Set the device to disable all wireless functions on your device. You can use only non-network services.
- Follow the regulations provided by the airline and the instructions of aircraft personnel. In cases where it is allowed to use the device, always use it in flight mode.
- Data usage: Keep track of your data usage amount and customise the settings for the limitation. Set the device to automatically disable the mobile data connection when the amount of mobile data you have used reaches your specified limit.
  - You can also activate the data saver feature to prevent some apps running in the background from sending or receiving data. Refer to Data saver for more information.

#### Settings

- Mobile Hotspot and Tethering: Use the device as a mobile hotspot to share the
  device's mobile data connection with other devices when the network connection is not
  available. Connections can be made via Wi-Fi, USB, or Bluetooth. Refer to Mobile Hotspot
  and Tethering for more information.
- Mobile networks: Configure your mobile network settings.
- SIM card manager (dual SIM models): Activate your SIM or USIM cards and customise the SIM card settings. Refer to SIM card manager (dual SIM models) for more information.
- Auto turn off connections: Set the device to save battery by turning off Bluetooth, GPS, and other connections when you are not being used.
- More connection settings: Customise settings to control other features. Refer to More connection settings for more information.

#### Wi-Fi

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

### Connecting to a Wi-Fi network

- 1 On the Settings screen, tap Connections  $\rightarrow$  Wi-Fi and tap the switch to activate it.
- 2 Select a network from the Wi-Fi networks list.
  Networks that require a password appear with a lock icon. Enter the password and 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 from connecting to the network automatically, tap next to the network
  and tap Forget.
- If you cannot connect to a Wi-Fi network properly, restart your device's Wi-Fi feature or the wireless router.

Settings

#### 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 Connections  $\rightarrow$  Wi-Fi and tap the switch to activate it.
- 2 Tap  $\rightarrow$  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.

#### **Ending the device connection**

- 1 On the Settings screen, tap Connections  $\rightarrow$  Wi-Fi.
- 2 Tap  $\longrightarrow$  Wi-Fi Direct.

The device displays the connected devices in the list.

3 Tap the device name to disconnect the devices.

#### **Bluetooth**

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 **Connections** → **Bluetooth** and tap the switch to activate it. The detected devices will be listed.
- Select a device to pair with.
  If the device you want to pair with is not on the list, set the device to enter Bluetooth pairing mode. 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 Launch the **Gallery** app and select an image.
- 2 Tap 
  → Bluetooth and 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.
- 3 Accept the Bluetooth connection request on the other device.

# **Unpairing Bluetooth devices**

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

#### Data saver

Reduce your data usage by preventing some apps running in the background from sending or receiving data.

On the Settings screen, tap **Connections**  $\rightarrow$  **Data usage**  $\rightarrow$  **Data saver** and tap the switch to activate it.

When the data saver feature is activated, the 🚣 icon will appear on the status bar.





To select apps to use data without restriction, tap **Allow app while Data saver on** and select apps.

# **Mobile Hotspot and Tethering**

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

On the Settings screen, tap **Connections**  $\rightarrow$  **Mobile Hotspot and Tethering**.



You may incur additional charges when using this feature.

- **Mobile Hotspot**: Use the mobile hotspot to share the device's mobile data connection with computers or other devices.
- 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 Connections → Mobile Hotspot and Tethering → Mobile Hotspot.
- 2 Tap the switch to activate it.

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

- 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 (dual SIM models)

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

On the Settings screen, tap **Connections**  $\rightarrow$  **SIM card manager**.

- Calls: Select a SIM or USIM card for voice calls.
- Text messages: Select a SIM or USIM card for messaging.
- Mobile data: Select a SIM or USIM card for data services.
- **Dual SIM always on**: 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.

# More connection settings

Customise settings to control other connection features.

On the Settings screen, tap **Connections**  $\rightarrow$  **More connection settings**.

- Printing: Configure settings for printer plug-ins installed on the device. You can search
  for available printers or add one manually to print files. Refer to Printing for more
  information.
- VPN: Set up virtual private networks (VPNs) on your device to connect to a school or company's private network.
- **Private DNS**: Set the device to use the security enhanced private DNS.

#### **Printing**

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



Some printers may not be compatible with the device.

#### Adding printer plug-ins

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

- 1 On the Settings screen, tap Connections → More connection settings → Printing → Download plugin.
- Search for a printer plug-in in Play Store.
- 3 Select a printer plug-in and install it.
- 4 Select the installed printer plug-in.

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

5 Select a printer to add.



To add printers manually, tap  $\stackrel{\bullet}{=} \rightarrow$  Add printer.

#### **Printing content**

While viewing content, such as images or documents, access the sharing options panel, tap the printer plug-in you have installed, and then follow the on-screen instructions to complete the printing.



Printing methods may vary depending on the content type.

# Sounds and vibration

Change settings for various sounds on the device.

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

- **Sound mode**: Set the device to use sound mode, vibration mode, or silent mode.
- Vibrate while ringing: Set the device to vibrate and play a ringtone for incoming calls.
- Temporary mute: Set the device to use silent mode for a certain period.
- Ringtone: Change the call ringtone.
- **Notification sounds**: Change the notification sound.
- Volume: Adjust the device's volume level.
- System sounds: Set the device to sound for actions, such as controlling the touchscreen.

# **Apps and notifications**

View recently launched apps and manage the device's apps settings. You can view the apps' usage information, change their notification or permission settings, or uninstall or disable unnecessary apps.

On the Settings screen, tap Apps and notifications.

To customise app permissions for more apps, tap **Special access** and select an option.

# **Display**

# **Options**

Change the display and the Home screen settings.

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

- Dark mode: Activate or deactivate dark mode.
- Brightness: Adjust the brightness of the display.
- Auto brightness: Set the device to save power by adjusting the brightness of the display automatically.
- Outdoor mode: Activate outdoor mode to make the display easier to see in bright conditions.
- Wallpaper: Change the wallpaper settings for the Home screen and the locked screen.
- Font size: Change the font size.
- Show battery percentage: Set the device to display the remaining battery life.
- **Screen timeout**: Set the length of time the device waits before turning off the display's backlight.
- **Navigation bar**: Change the navigation bar settings. Refer to Navigation bar (soft buttons) for more information.
- **Screensaver**: Set the device to launch a screensaver when the device is charging. Refer to Screensaver for more information.

## Screensaver

You can set to display images as a screensaver when the screen turns off automatically. The screensaver will be displayed when the device is charging.

- 1 On the Settings screen, tap **Display** → **Screensaver**.
- 2 Select Colours.

To preview the selected option, tap **Preview**.



When you tap the screen while your screensaver is displayed, the screen will turn on.

# Lock screen and security

# **Options**

Change the settings for securing the device.

On the Settings screen, tap Lock screen and security.



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

- Google Play Protect: Set the device to check for harmful apps and behaviour and warn about potential harm and remove them.
- **Find My Device**: Activate or deactivate the Find My Device feature.
- Security update: View the version of your device's software and check for updates.
- Google Play system update: View the Google Play system version and check for updates.
- 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.

- Other security settings: Configure additional security settings.
- Screen lock type: Change the screen lock method.
- **Smart Lock**: Set the device to unlock itself when trusted locations or devices are detected. Refer to Smart Lock for more information.
- Secure lock settings: Change screen lock settings for the selected lock method.
- **Contact information**: Set the device to show contact information, such as your email address, on the locked screen.
- Notifications: Set how to show notifications on the locked screen.

#### **Smart Lock**

You can set the device to unlock itself and remain unlocked when trusted locations or devices are detected.

For example, if you have set your home as a trusted location, when you get home your device will detect the location and automatically unlock itself.



- This feature will be available to use after you set a screen lock method.
- If you do not use your device for four hours or when you turn on the device, you must unlock the screen using the pattern, PIN, or password you set.
- 1 On the Settings screen, tap Lock screen and security  $\rightarrow$  Smart Lock.
- 2 Unlock the screen using the preset screen lock method.
- $\mathfrak{Z}$  Select an option and follow the on-screen instructions to complete the setup.

# **Privacy**

Change the settings for privacy.

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

- **Permission manager**: View the list of features and apps that have permission to use them. You can also edit the permission settings.
- **Send diagnostic data**: Set the device to automatically send the device's diagnostic and usage information to Samsung.
- Receive marketing information: Set whether to receive Samsung marketing information, such as special offers, membership benefits, and newsletters.
- Advanced: Configure advanced settings for privacy.

# Location

Change settings for location information permissions.

On the Settings screen, tap Location.

- **App permissions**: View the list of apps that have permission to access the device's location and edit the permission settings.
- **Improve accuracy**: Set the device to use the Wi-Fi or Bluetooth feature to increase the accuracy of your location information, even when the features are deactivated.
- Recent location requests: View which apps request your current location information.
- Location services: View the location services your device is using.

# **Accounts**

Sync, back up, or restore your device's data. You can also register and manage accounts, such as your Samsung account or Google account.

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

- Accounts: Add your Samsung and Google accounts, or other accounts, to sync with.
- **Backup**: Keep your personal information, app data, and settings safe on your device. You can back up your sensitive information and access it later. You must sign in to your Google or Samsung account to back up data.

# Google

Configure settings for some features provided by Google.

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

# **Digital Wellbeing & parental controls**

# **Options**

View the history of your device usage and use features to prevent your device from interfering with your life. You can also set up parental controls for your children and manage their digital use.

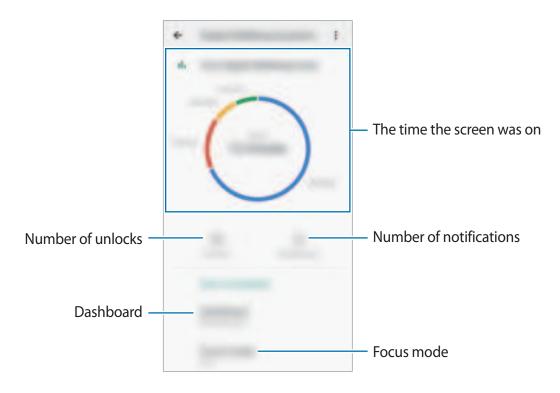
On the Settings screen, tap **Digital Wellbeing & parental controls**.

- Your Digital Wellbeing tools: View the daily usage history of your device. Refer to Your Digital Wellbeing tools for more information.
- Parental controls: Manage your children's digital use.

# Your Digital Wellbeing tools

View the daily usage history of your device. You can also limit usage time or change the notification settings for each app.

On the Settings screen, tap **Digital Wellbeing & parental controls** → **Show your data**.



#### Setting timers for apps

You can limit the daily usage time for each app by setting a timer. When you reach the limit, the app will be deactivated and you cannot use it.

- 1 On the Settings screen, tap **Digital Wellbeing & parental controls** → **Dashboard**.
- **2** Tap  $\mathbb{R}$  next the app you want and set the time.

## Using focus mode

You can activate focus mode to avoid distractions from your device and stay focused on what you want. While focus mode is on, you can only use default apps and the apps you allowed exceptions for.

On the Settings screen, tap **Digital Wellbeing & parental controls** → **Focus mode**.

# **Smart Manager**

The smart manager feature provides an overview of the status of your device's battery, storage and memory. You can also automatically optimise the device with a tap of your finger.

#### **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.

On the Settings screen, tap **Smart Manager** → **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.
- You may not receive notifications from some apps that use power saving mode.

#### Maximum power saving mode

In maximum power saving mode, the device decreases battery consumption by applying the dark theme and limiting the apps and features available.

Network connections, except for the mobile network, will be deactivated.

Tap **Turn on Maximum power saving mode**, tap option switches activated, and then tap **Apply**.

After entering maximum power saving mode, on the Home screen, tap  $(\pm)$  and select an app to use. To remove apps, tap  $\to$  **Edit** and select an app with =.

To deactivate maximum power saving mode, tap  $\frac{1}{2} \rightarrow \text{Turn off Maximum power saving mode}$ .



The estimated battery usage time may vary depending on your device settings and operating conditions.

#### Managing the battery

You can save battery power by preventing apps that are running in the background from using battery power when they are not being used. Tap **Battery usage**, select apps from the apps list, and then tap the **Optimise battery usage** switch to activate the feature.

#### Storage

Check the status of the used and available memory.

On the Settings screen, tap **Smart Manager**  $\rightarrow$  **Storage**.



- The actual available capacity of the internal memory is less than the specified capacity because the operating system and default apps occupy part of the memory. The available capacity may change when you update the device.
- You can view the available capacity of the internal memory in the Specification section for your device on the Samsung website.

## Managing the memory

To delete residual files, such as cache, tap **Clean now**. To delete files or uninstall apps that you do not use any more, tap **User data** and select a category. Then, tick items to select and tap **DELETE** or **UNINSTALL**.

#### **Memory**

On the Settings screen, tap **Smart Manager**  $\rightarrow$  **Memory**.

To speed up your device by stopping apps running in the background, tick apps from the apps list, and tap **Clean now**.

# **Accessibility**

Configure various settings to improve accessibility to the device.

On the Settings screen, tap Accessibility.

- Font size: Change the font size.
- Magnification: Set the device to magnify the screen and to zoom in on a specific area.
- Large mouse/touchpad pointer: Enlarge the pointer when using an external mouse or touchpad.
- Negative colours: Reverse the display colours to improve visibility.
- **Colour adjustment**: Adjust the colour scheme for the screen when the device determines that you are colour blind or having difficulty reading content.
- **High contrast fonts**: Adjust the colour and outline of fonts to increase the contrast between the text and the background.
- Remove animations: Reduce animation effects if you are sensitive to animations or screen movement.
- Mono audio: Enable mono sound when listening to audio with one earbud.
- Google subtitles (CC): Set the device to display closed captions on content supported by Google and to change the closed caption settings.
- Touch & hold delay: Set the recognition time for tapping and holding the screen.
- Click after pointer stops: Set the device to select an item automatically when you place the mouse pointer over the item.
- End call with Power button: Change the method of ending calls.
- Time to take action: Set the amount of time to display pop-up windows that ask you to take action, such as notifications or volume controller.
- **Text-to-speech**: Change the settings for text-to-speech features used when Voice Assistant is activated, such as languages, speed, and more.
- Accessibility shortcut: Set the device to activate Voice Assistant or Samsung universal switch when you press and hold the Volume Up key and the Volume Down key simultaneously for more than 3 seconds.

# **User manual**

View help information to learn how to use the device and apps or configure important settings.

On the Settings screen, tap User manual.

# **System**

# **Options**

Customise your device's system settings or reset the device.

On the Settings screen, tap System.

- Language and input: Select device languages and change settings, such as keyboards and voice input types. Some options may not be available depending on the selected language. Refer to Adding device languages for more information.
- **Gestures**: Activate the motion feature and configure settings. Refer to Gestures for more information.
- Date and time: Access and alter the settings to control how the device displays the time and date.



If the battery remains fully discharged, the time and date is reset.

- Reset: Reset your device's settings or perform a factory data reset. You can reset all your settings and network settings.
- Software update: View the device's software version and check for updates.
- About phone: Access your device's information.

## Security updates information

Security updates are provided to strengthen the security of your device and protect your personal information. For security updates for your model, visit security.samsungmobile.com.



The website supports only some languages.

# Adding device languages

You can add languages to use on your device.

- 1 On the Settings screen, tap **System** → **Language** and **input** → **Language** → **Add language**.
- 2 Select a language to add.
- 3 To set the selected language as the default language, tap **Set as default**. To keep the current language setting, tap **Keep current**.

The selected language will be added to your languages list. If you changed the default language, the selected language will be added to the top of the list.

To change the default language from your languages list, drag next to a language and move it to the top of the list. If an app does not support the default language, the next supported language in the list will be used.

#### Gestures

Activate the motion feature and configure settings.

On the Settings screen, tap **System**  $\rightarrow$  **Gestures**.

• Swipe to call or send messages: Set the device to make a call or send a message when you swipe to the right or left on a contact or a phone number in the **Phone** or **Contacts** app.

# **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 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.

Launch the **Settings** app and tap **System**  $\rightarrow$  **Reset**  $\rightarrow$  **Factory data reset**  $\rightarrow$  **Reset**  $\rightarrow$  **Delete all**. 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 an earphone, 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 does not charge properly (For Samsung-approved chargers)

- Ensure that the charger is connected properly.
- Visit a Samsung Service Centre and have the battery replaced.

# 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 will increase when you use certain features or apps, such as GPS, games, or the Internet.
- The battery is consumable and the useful charge will get shorter over time.

# 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.

## Bluetooth is not working well

If another Bluetooth device is not located or there are connection problems or performance malfunctions, try the following:

- Ensure that the device you wish to connect with is ready to be scanned or connected to.
- Ensure that your device and the other Bluetooth device are within the maximum Bluetooth range (10 m).
- On your device, launch the **Settings** app, tap **Connections**, and then tap the **Bluetooth** switch to re-activate it.
- On your device, launch the Settings app, tap System → Reset → Reset network settings → Reset settings to reset network settings. You may lose registered information when performing the reset.

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.

## 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.

## There is not enough space in the device's storage

Delete unnecessary data, such as cache, using the smart manager or manually delete unused apps or files to free up storage space.

## The Home button does not appear

The navigation bar containing the Home button may disappear while using certain apps or features. To view the navigation bar, drag upwards from the bottom of the screen.

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