SAMSUNG

SM-J250N

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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.

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- 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.

- Be careful not to forget your unlock codes for the screen lock, accounts, and other security features. If you forget an unlock code, you will not be able to use the device if you do not reset it. Samsung is not responsible for any data loss or inconvenience caused by forgotten unlock codes.
- Depending on the region, you can view the regulatory information on the device. To view the information, launch the **Settings** app and tap **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





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 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 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.

Device limitations when the device overheats

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 becomes hotter than usual, a device overheating message will appear. 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 you will only be
 able to make emergency calls until the device cools down.
 - If the device overheats or feels hot for a prolonged period, a power off message will appear. Turn off the device, and wait until it cools 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.
- Never use a damaged charger or battery.

Device layout and functions

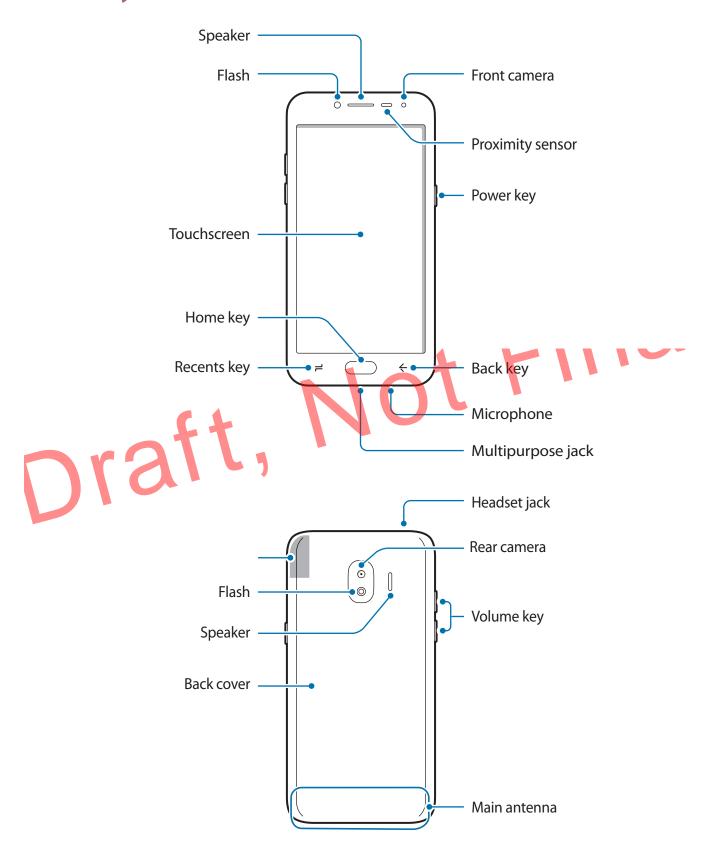
Package contents

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





- 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 cover the proximity sensor area with screen accessories, such as a screen protector or stickers. Doing so may cause the sensor to malfunction.
- Do not allow water to contact the touchscreen. The touchscreen may malfunction in humid conditions or when exposed to water.

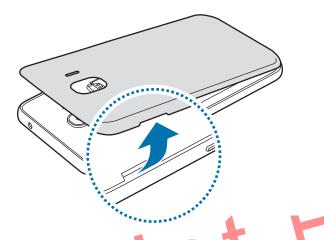
Keys

Key	Function		
Powe	Press and hold to turn the device on or off.		
0 1000	Press to turn on or lock the screen.		
Rece	Recents Tap to open the list of recent apps.		
	Press to turn on the screen while the screen is locked.		
Hom	 Press to return to the Home screen. 		
	 Press and hold to launch Google. 		
← Back	 Tap to return to the previous screen. 		
Dack	 Tap and hold to access additional options for the current screen. 		
U Volu	 Press to adjust the device volume. 		

Battery

Installing the battery

1 Remove the back cover.

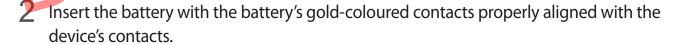


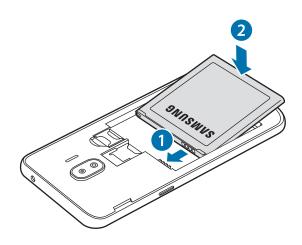


Be careful not to damage your fingernails when you remove the back cover.

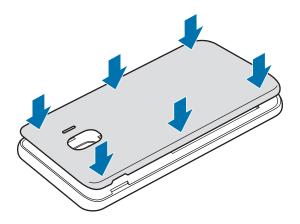


Do not bend or twist the back cover excessively. Doing so may damage the cover.



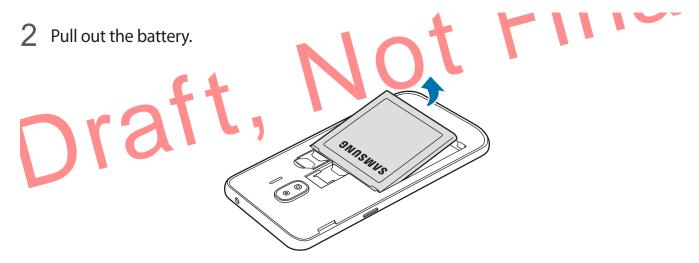


3 Replace the back cover.



Removing the battery

1 Remove the back cover.



Charging the battery

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



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

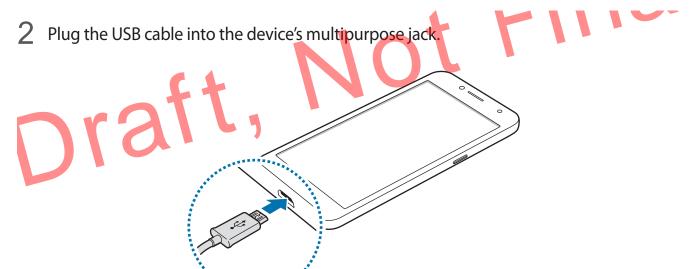


Connecting the charger improperly may cause serious damage to the device. Any damage caused by misuse is not covered by the warranty.



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 Connect the USB cable to the USB power adaptor.



- 3 Plug the USB power adaptor into an electric socket.
- 4 After fully charging, disconnect the charger from the device. Then, unplug the charger from the electric socket.
- Do not remove the battery before removing the charger. This may damage the device.

Reducing the battery consumption

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

- Optimise the device using the device maintenance 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.

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- 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 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

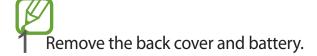
Installing the SIM or USIM card

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

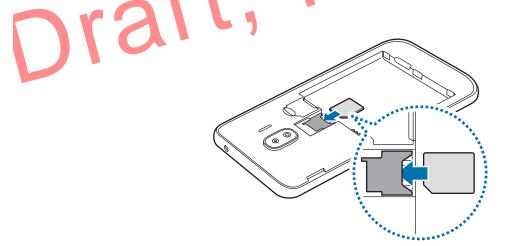
For dual SIM models, you can insert two SIM or USIM cards so you can have two phone numbers or service providers for a single device. In some areas, data transfer speeds may be slower if two SIM cards are inserted in the device than when one SIM card is inserted.



- Use only a microSIM 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.

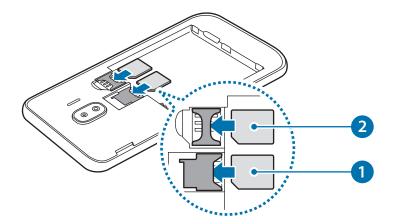


2 ► Single SIM models: Insert the SIM or USIM card with the gold-coloured contacts facing downwards.



▶ **Dual SIM models**: Insert the SIM or USIM card with the gold-coloured contacts facing downwards.

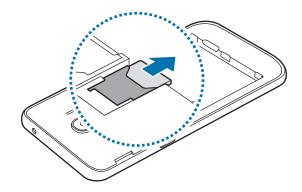
Insert the primary SIM or USIM card into SIM card slot 1 (1) and the secondary SIM or USIM card into SIM card slot 2 (2).



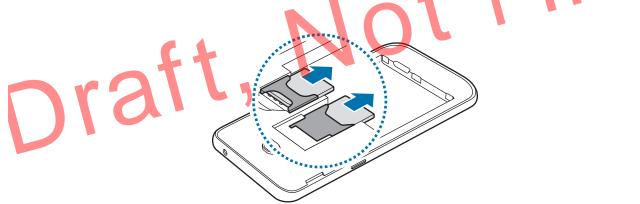
- Do not insert a memory card into the SIM card slot. If a memory card happens to be lodged in the SIM card slot, take the device to a Samsung Service Centre to remove the memory card.
- 3 Replace the battery and back cover.

Removing the SIM or USIM card

- 1 Remove the back cover and battery.
- 2 Pull out the SIM or USIM card.
 - ► Single SIM models:



► Dual SIM models:



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, tap **Connections** → **SIM card manager**, and then select a SIM or USIM card to access the following options:

- **Icon**: Change the icon of the SIM or USIM card.
- 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

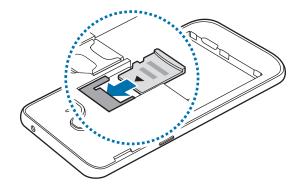
Your device's memory card capacity may vary from other models and some memory cards may not be compatible with your device depending on the memory card manufacturer and type. To view your device's maximum memory card capacity, refer to the Samsung website.



- 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, the memory card's file directory appears in the My Files → SD card folder.
- 1 Remove the back cover and battery.
- 2 Insert a memory card with the gold-coloured contacts facing downwards.



3 Replace the battery and back cover.

Removing the memory card

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

Launch the **Settings** app and tap **Device maintenance** \rightarrow **Storage** \rightarrow **Storage settings** \rightarrow **SD card** \rightarrow **UNMOUNT**.

- 1 Remove the back cover and battery.
- 2 Pull out the memory card.
- 3 Replace the battery and back cover.
- 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 Device maintenance \rightarrow Storage \rightarrow \rightarrow Storage settings \rightarrow SD card \rightarrow Format \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

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 onscreen instructions to set up your device.

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



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

Emergency mode

You can switch the device to emergency mode to reduce battery consumption. Some apps and functions will be restricted. In emergency mode, you can make an emergency call, send your current location information to others, sound an emergency alarm, and more.

Activating emergency mode

To activate emergency mode, press and hold the Power key, and then tap Emergency mode.



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

Deactivating emergency mode

To deactivate emergency mode, tap $\stackrel{\bullet}{\bullet} \rightarrow$ **Disable Emergency mode**. Alternatively, press and hold the Power key, and then tap **Emergency mode**.

Transferring data from your previous device

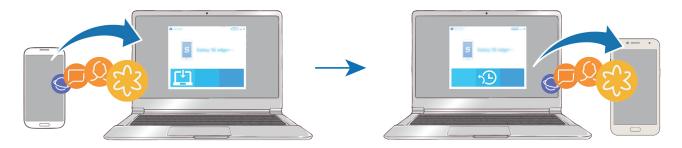
You can transfer content, such as images, contacts, and messages, from your previous device via Smart Switch or from a backup of your data via Samsung Cloud.

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

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Transferring backup data from a computer

Transfer data between your device and a computer. You must download the Smart Switch computer version app from www.samsung.com/smartswitch. Back up data from your previous device to a computer and import the data to your device.



- 1 On the computer, visit www.samsung.com/smartswitch to download Smart Switch.
- 2 On the computer, launch Smart Switch.
- If your previous device is not a Samsung device, back up data to a computer using a program provided by the device's manufacturer. Then, skip to the fifth step.
- 3 Connect your previous device to the computer using the device's USB cable.
- 4 On the computer, follow the on-screen instructions to back up data from the device.

 Then, disconnect your previous device from the computer.
- 5 Connect your device to the computer using the USB cable.
- 6 On the computer, follow the on-screen instructions to transfer data to your device.

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.
- Leaving the touchscreen idle for extended periods may result in afterimages (screen burn-in) or ghosting. Turn off the touchscreen when you do not use the device.

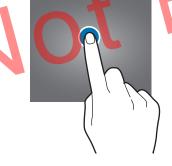


- The device may not recognise touch inputs close to the edges of the screen, which are outside of the touch input area.
- It is recommended to use fingers when you use the touchscreen.

Tapping

Tap the screen.





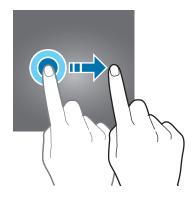
Tapping and holding

Tap and hold the screen for approximately 2 seconds.



Dragging

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



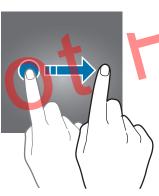
Double-tapping

Double-tap the screen.



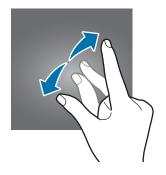
Swiping

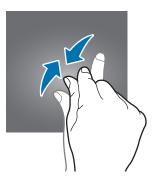
Swipe upwards, downwards, to the left, or to the right.



Spreading and pinching

Spread two fingers apart or pinch on the screen.





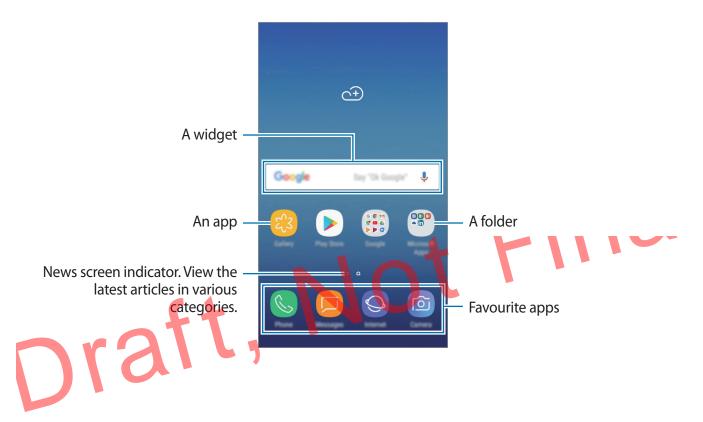
Home screen and Apps screen

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.



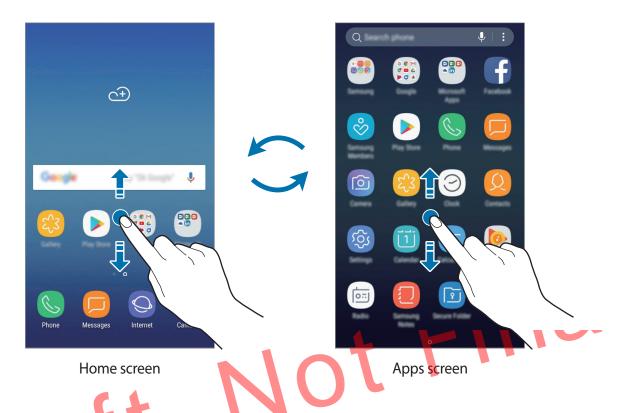
The screen may appear differently depending on the region or service provider.



Basics

Switching between Home and Apps screens

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



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 drag it to the top or bottom of the screen. A shortcut to the app will be added on the Home screen.

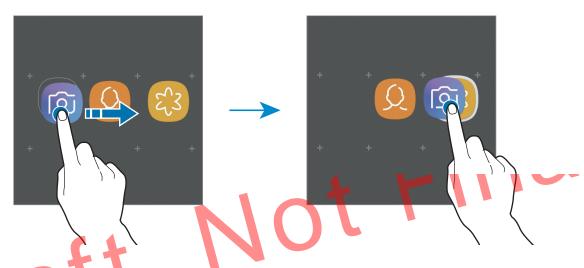
You can also move frequently used apps to the shortcuts area at the bottom of the Home screen.

Creating folders

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

- 1 On the Home screen or the Apps screen, tap and hold an app, and then drag it over another app.
- 2 Drop the app when a folder frame appears around the apps.

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



Adding more apps

Tap ADD APPS on the folder. Tick the apps to add and tap ADD. You can also 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. You can also add, delete, or rearrange Home screen panels.

- Adding panels: Swipe to the left, and then tap +.
- Moving panels: Tap and hold a panel preview, and then drag it to a new location.
- Deleting panels: Tap iii on the panel.



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 size of the grid to display more or fewer items on the Home screen and more.

Displaying all apps on the Home screen

Without using a separate Apps screen, you can set the device to display all apps on the Home screen. On the Home screen, tap and hold an empty area, and then tap **Home screen settings** \rightarrow **Home screen layout** \rightarrow **Home screen only** \rightarrow **APPLY**.

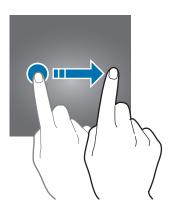
You can now access all your apps by swiping to the left on the Home screen.

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.

The screen is locked with **Swipe**, the default screen lock method.

Press the Power key or the Home key and swipe in any direction to unlock the screen.



Changing the screen lock method

To change the screen lock method, launch the **Settings** app, tap **Lock screen and security** → **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.



You can set your device to perform a factory data reset if you enter the unlock code incorrectly several times in a row and reach the attempt limit. Launch the **Settings** app, tap **Lock screen and security** \rightarrow **Secure lock settings**, and then tap the **Auto factory reset** switch to activate it.

Screen capture

Capture a screenshot while using the device.

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

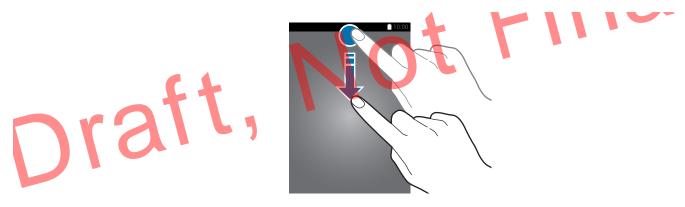


It is not possible to capture a screenshot while using some apps and features.

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.

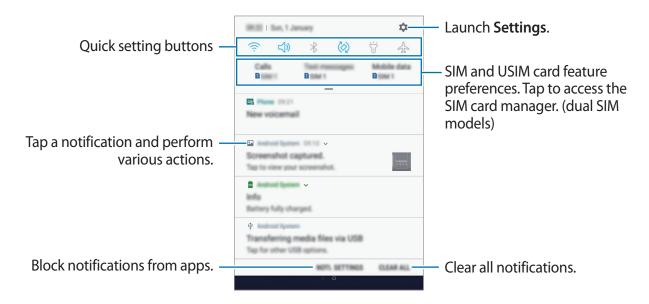
To open the notification panel, drag the status bar downwards. To close the notification panel, swipe upwards on the screen.





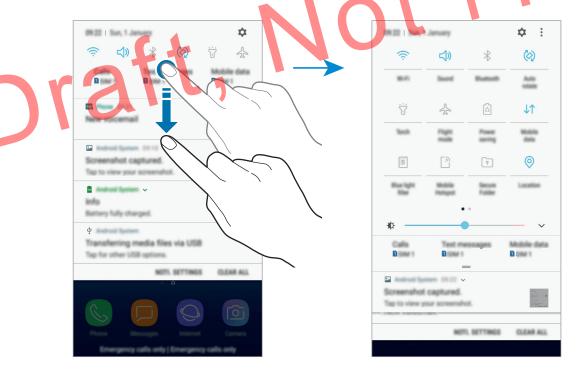
You can open the notification panel, even on the locked screen.

You can use the following functions on the notification panel.



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. To view more detailed settings, tap and hold a button.

To rearrange buttons, tap \longrightarrow **Button order**, tap and hold a button, and then drag it to another location.

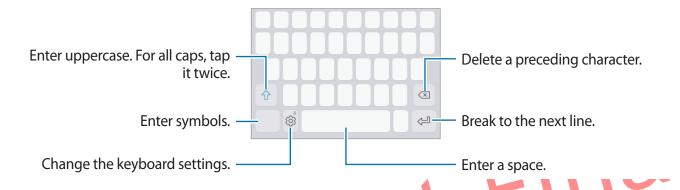
Entering text

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

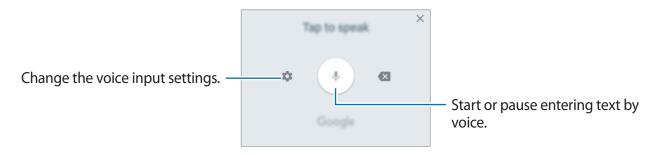
Changing the keyboard layout



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

Additional keyboard functions

• • : Enter text by voice.



- 🔄 : Add an item from the clipboard.
- (:): Enter emoticons.
- 🖫 : Change the keyboard for one-handed operation.
- 🔯 : Change the keyboard settings.

Copying and pasting

- Tap and hold over text.
- 2 Drag or to select the desired text, or tap **Select all** to select all text.
- 3 Tap Copy or Cut.

The selected text is copied to the clipboard.

4 Tap and hold where the text is to be inserted and tap Paste.
To paste text that you have previously copied, tap Clipboard and select the text.

Apps and features

Installing or uninstalling apps

Galaxy Apps

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

Open the **Samsung** folder and launch the **Galaxy Apps** 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 \rightarrow Settings \rightarrow 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 apps and using app sleep mode

Tap and hold an app and select an option.

- **Disable**: Disable selected default apps that cannot be uninstalled from the device.
- **Sleep**: Put apps in sleep mode to save the battery by preventing them from running in the background.
- Uninstall: Uninstall downloaded apps.

Enabling apps

Launch the **Settings** app, tap **Apps** \rightarrow \bigvee \rightarrow **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. When you open an app, a pop-up window may appear and request access to certain features or information. Tap **ALLOW** on the pop-up window to grant permissions to the app.

To view your app permission settings, launch the **Settings** app and tap **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 $Apps \rightarrow App$ permissions. Select an item and tap the switches next to apps to grant permissions.



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

Phone

Introduction

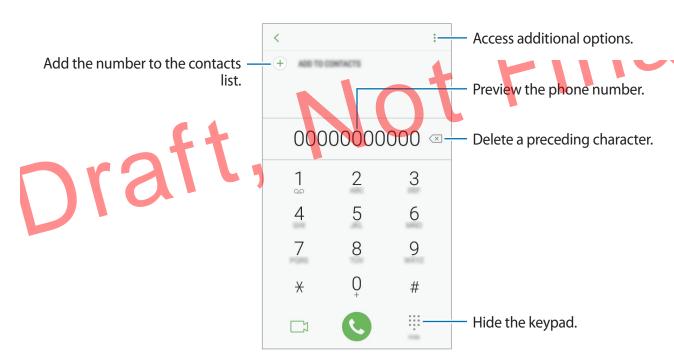
Make or answer voice and video calls.

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, or tap to make a video call. For dual SIM models, tap to make a voice call.



Making calls from call logs or contacts list

Tap **RECENTS** or **CONTACTS**, and then 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 **Advanced features**, and then tap the **Swipe to call or send messages** switch to activate it.

Using speed dial

Set speed dial numbers to quickly make calls.

To set a number to speed dial, tap \longrightarrow **Speed dial**, select a speed dial number, and then add a phone number.

To make a call, tap and hold a speed dial number on the keypad. For speed dial numbers 10 and up, tap the first digit(s) of the number, and then tap and hold the last digit.

For example, if you set the number 123 as a speed dial number, tap 1, tap 2, and then tap and hold 3.

Making calls from the locked screen

On the locked screen, drag 🔘 outside the circle.

Making an international call

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

 cu or ...

Receiving calls

Answering a call

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

Rejecting a call

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

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

To create various rejection messages, launch the **Phone** app, tap $\stackrel{\bullet}{\bullet} \to \text{Settings} \to \text{Quick}$ decline messages, enter a message, and then tap $\stackrel{\bullet}{\bullet}$.

Missed calls

If a call is missed, the $\begin{subar}{l} \begin{subar}{l} \begin{subar}{$

Blocking phone numbers

Block calls from specific numbers added to your block list.

Launch the Phone app and tap \rightarrow Settings \rightarrow Block numbers.

2 Tap Ω , select contacts, and then tap **DONE**.

To manually enter a number, tap **Enter 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.
- Extra volume: Increase the volume.
- Bluetooth: Switch to a Bluetooth headset if it is connected to the device.
- **Speaker**: Activate or deactivate the speakerphone. When using the speakerphone, keep the device away from your ears.
- **Keypad** / **Hide**: Open or close the keypad.
- Mute: Turn off the microphone so that the other party cannot hear you.

During a video call

Tap the screen to use the following options:

- : Access additional options.
- Camera: Turn off the camera so that the other party cannot see you.
- Switch: Switch between the front and rear cameras.
- a: End the current call.
- Mute: Turn off the microphone so that the other party cannot hear you.
- **Speaker**: Activate or deactivate the speakerphone. When using the speakerphone, keep the device away from your ears.

Adding a phone number to Contact

Adding a phone number to Contacts from the keypad

1 Launch the **Phone** app.

Jrat'

- 2 Enter the number and tap ADD TO CONTACTS.

 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 and tap **RECENTS**.
- 2 Tap a caller's image, or tap a phone number \rightarrow **Details**.
- 3 Tap CREATE CONTACT 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, tap , and then select a storage location.
- 2 Enter contact information.



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

3 Tap SAVE.

Importing contacts

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

- 1 Launch the **Contacts** app and tap ♣ → **Manage contacts** → **Import/Export contacts** → **IMPORT**.
- 2 Select a storage location to import contacts from.
- 3 Tick VCF files or contacts to import and tap DONE.
- 4 Select a storage location to save contacts to and tap IMPORT.

Synching contacts with your web accounts

Sync your device contacts with online contacts saved in your web accounts, such as your Samsung account.

Launch the **Settings** app, tap **Cloud and accounts** → **Accounts**, select an account name, select the account to sync with, and then tap **Contacts** (**Samsung account**) or **Sync Contacts**.

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.

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

- \bigstar : Add to favourite contacts.
- ⟨ / □ : Make a voice or video 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.

Saving and sharing profile

Save and share your profile information, such as your photo and status message, with others using the profile sharing feature.



- The profile sharing feature may not be available depending on the region or service provider.
- The profile sharing feature is only available for contacts who have activated the profile sharing feature on their device.
- 1 Launch the Contacts app and select your profile.
- 2 Tap EDIT, edit your profile, and tap SAVE.
- Tap \rightarrow Profile sharing, and then tap the switch to activate it.

To use the profile sharing feature, your phone number must be verified. You can view your contacts' updated profile information in **Contacts**.

To set additional items to share, tap **Shared content** and tap the switches next to the items you want to activate them.

To set a contact group to share your profile with, tap **Share with** and select an option.

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 → Manage contacts → Merge contacts.
- 2 Tick contacts and tap MERGE.

Deleting contacts

- 1 Launch the **Contacts** app and tap \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 $\stackrel{\bullet}{\bullet} \rightarrow$ **Delete**.



Send and view messages by conversation.

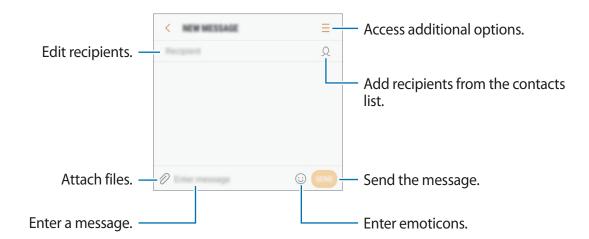
Sending messages



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

- 1 Launch the **Messages** app and tap 2.
- 2 Add recipients and tap COMPOSE.

3 Enter a message.



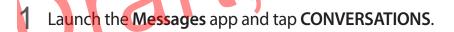
4 Tap to send the message.

For dual SIM models, tap or to send the message.

Viewing messages

Messages are grouped into message threads by contact.





- 2 On the messages list, select a contact.

Blocking unwanted messages

Block messages from specific numbers added to your block list.

- 1 Launch the Messages app and tap \longrightarrow Settings \longrightarrow Block messages \longrightarrow Block numbers.
- 2 Tap INBOX or CONTACTS, select a contact, and then tap +.
 To manually enter a number, tap Enter number, and then enter a phone number.

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.
 - **Notification sound**: Change the notification sound.
 - Vibrate when sound plays: Set the device to vibrate when you receive messages.
 - Pop-up display: Set the device to display messages in pop-up windows.
 - **Preview message**: Set the device to display message content on the locked screen and in pop-up windows.

Setting a message reminder

You can set an alert at an interval to let you know that you have unchecked notifications. If this feature is not activated, launch the **Settings** app, tap **Accessibility** → **Notification reminder**, and then tap the switch to activate it. Then, tap the **Messages** switch to activate it.

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.

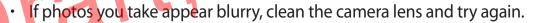
Launching Camera

Use the following methods to launch Camera:

- · Launch the Camera app.
- On the locked screen, drag o 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.

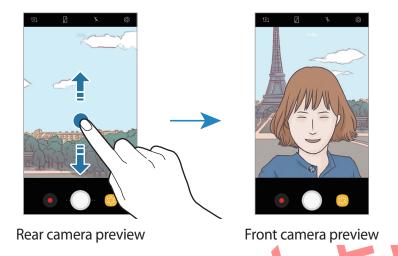


Using swipe gestures

Quickly control the preview screen by swiping in different directions. You can change the shooting mode, switch between cameras, or apply filter effects.

Switching cameras

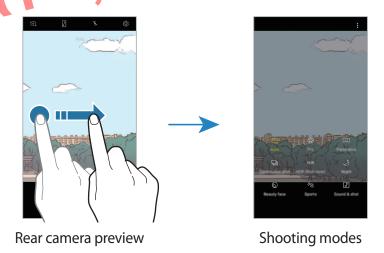
On the preview screen, swipe upwards or downwards to switch between cameras.



Changing shooting modes

On the preview screen, swipe to the right to open the shooting modes list.

Select a shooting mode you want.



Apps and features

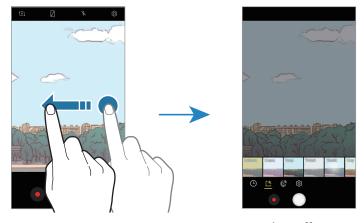
Viewing filter effects

On the preview screen, swipe to the left to open the list of filter effects. You can apply a unique effect to your photos or videos.

After selecting a filter, tap the preview screen and take a photo or record a video.



This feature is only available in some shooting modes.



Rear camera preview

Draft,

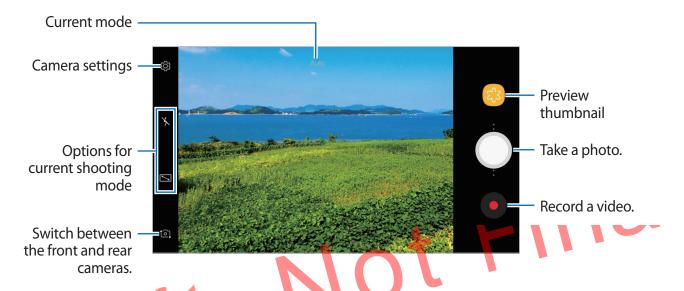
Filter effects

60

Basic shooting

Taking photos or recording videos

- 1 Tap the image on the preview screen where the camera should focus.
- 2 Tap O to take a photo or tap to record a video.



- Spread two fingers apart on the screen to zoom in, and pinch to zoom out. Or, drag
 on the zoom bar towards or —.
- To adjust the brightness of photos or videos, tap the screen. When the adjustment bar appears, drag on the adjustment bar towards + or —.
- 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).



- 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.
- The front camera features a wide-angle lens. Minor distortion may occur in wideangle photos or videos and does not indicate device performance problems.

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 **Auto** mode.

Changing shooting modes

On the preview screen, swipe to the right to open the shooting modes list and select a mode.

- Auto: Take the best possible photos by setting the device to adjust the exposure and colour of photos automatically.
- **Pro**: Adjust the exposure value, ISO sensitivity, and white balance manually while taking photos.
- Panorama: Create a panorama by taking consecutive photos in either a horizontal or vertical direction.
- Continuous shot: Take a series of photos of moving subjects.
- HDR (Rich tone): Take multiple shots in various exposures and combine them to create soft and rich colours.
- Night: Take brighter and clearer photos in low-light without using the flash.
- Beauty face: Take a photo with lightened faces for gentler images.
- **Sports**: Take a photo of fast-moving subjects.
- Sound & shot: Take a photo with sound.
- Selfie: Take selfie shots and apply various effects, such as an airbrushed effect.

Auto mode

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

On the shooting modes list, tap Auto.

Pro mode

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

On the shooting modes list, tap **Pro**. Select options and customise the settings, and then tap to take a photo.

Available options

- ②: Change the exposure value. This determines how much light the camera's sensor receives. For low-light situations, use a higher exposure.
- ISO: Select an ISO value. This controls camera light sensitivity. Low values are for stationary or brightly lit objects. Higher values are for fast-moving or poorly lit objects. However, higher ISO settings can result in noise in photos.
- **WB**: Select an appropriate white balance, so images have a true-to-life colour range. You can set the colour temperature.

Panorama

Using panorama mode, take a series of photos and then stitch them together to create a wide scene.



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

- Move the camera slowly in one direction.
- Keep the image within the frame on the camera's viewfinder. If the preview image is out of the guide frame or you do not move the device, the device will automatically stop taking photos.
- Avoid taking photos of indistinct backgrounds, such as an empty sky or a plain wall.
- 1 On the shooting modes list, tap **Panorama**.
- 2 Tap \bigcirc and move the device slowly in one direction.
- 3 Tap to stop taking photos.

Continuous shot

Take a series of photos of moving subjects.

On the shooting modes list, tap **Continuous shot**.

Tap and hold to take several photos continuously.

HDR (Rich tone)

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

On the shooting modes list, tap HDR (Rich tone).



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

On the shooting modes list, tap Night.

Beauty face

Take a photo with lightened faces for gentler images.

On the shooting modes list, tap Beauty face.

To apply beauty effect, tap 🚷 and select options. Refer to Applying beauty effects for more information.

Sports

Take a photo of fast-moving subjects.

On the shooting modes list, tap **Sports**.

Sound & shot

Take a photo with sound. The device identifies the photos with in **Gallery**.

On the shooting modes list, tap **Sound & shot**.

Selfie

Take self-portraits with the front camera. You can preview various beauty effects on the screen.

- 1 On the preview screen, swipe upwards or downwards, or tap 🕥 to switch to the front camera for self-portraits.
- 2 On the shooting modes list, tap **Selfie**.
- 3 Face the front camera lens.
- When the device detects your face, show your palm to the front camera. After recognising your palm, a countdown timer will appear. When the time is up, the device will take a photo.



Using the selfie flash

When taking self-portraits with the front camera in low-light situations, the touchscreen can serve as a flash.

On the preview screen, tap $\frac{1}{2}$ repeatedly until you reach $\frac{1}{2}$. When you take a photo, the touchscreen will flash.

Applying beauty effects

You can modify facial features, such as your skin tone or face shape, before taking self-portraits.



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

- 1 On the preview screen, tap 🗞.
- 2 Select the options below to apply beauty effects to your face on the preview screen and take a photo of yourself.
 - **Skin Tone**: Make your skin appear brighter and clearer.
 - Slim Face: Adjust the face shape and make your face appear slimmer.
 - Large Eyes: Make your eyes appear bigger.

Camera settings

Quick settings

On the preview screen, use the following quick settings.



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

- Turn on and off the full preview screen.
- ②: Select a metering method. This determines how light values are calculated. ②

 Centre-weighted uses the light in the centre portion of the shot to calculate the exposure of the shot. [○] Spot uses the light in a concentrated centre area of the shot to calculate the exposure of the shot. [◆] Matrix averages the entire scene.
- \(\chi \): Activate or deactivate the flash.



Do not use the flash close to your eyes. Using a flash close to the eyes may cause temporary loss of vision or damage to the eyes.

• Q: Set the device to record sound before or after taking a photo.

Camera settings

On the preview screen, tap (3). Some options may not be available depending on the shooting mode.

REAR CAMERA

- **Picture size**: Select a resolution for photos. Using a higher resolution will result in higher quality photos, but they will take up more memory.
- **Video size**: Select a resolution for videos. Using a higher resolution will result in higher quality videos, but they will take up more memory.
- Timer: Select the length of the delay before the camera automatically takes a photo.

FRONT CAMERA

- **Picture size**: Select a resolution for photos. Using a higher resolution will result in higher quality photos, but they will take up more memory.
- Video size: Select a resolution for videos. Using a higher resolution will result in higher quality videos, but they will take up more memory.
- Save pictures as previewed: Invert the image to create a mirror-image of the original scene, when taking photos with the front camera.
- Shooting methods: Select shooting options to use.
- Timer: Select the length of the delay before the camera automatically takes a photo.

COMMON

• Grid lines: Display viewfinder guides to help composition when selecting subjects.



• Review pictures: Set the device to show photos after capturing them.

Apps and features

• Quick launch: Set the device to launch the camera by pressing the Home key twice quickly.



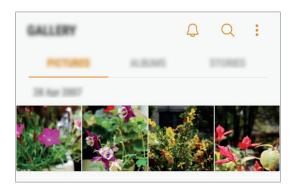
This feature may not be available depending on the region or service provider.

- Storage location: Select the memory location for storage.
- Floating Camera button: Add a camera button that you can place anywhere on the screen. This feature is available only in **Auto** and **Selfie** modes.
- **Volume key function**: Set the device to use the Volume key to control the shutter or zoom in or out.
- **Reset settings**: Reset the camera settings.
- Contact us: Ask questions or view frequently asked questions. Refer to Samsung Members for more information.

Gallery

Introduction

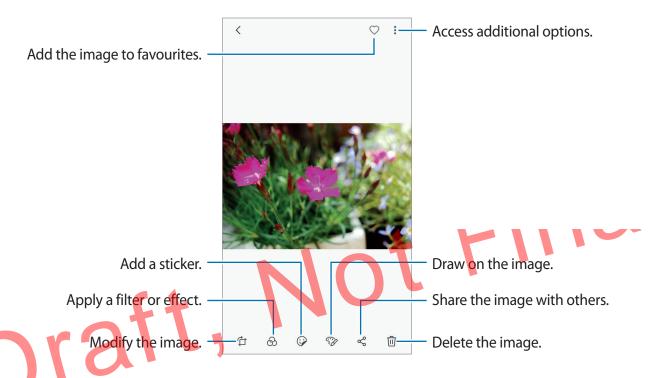
View images and videos stored in your device. You can also manage images and videos by album or create stories to share with others.



Viewing images and videos

Viewing images

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



You can create a GIF animation or collage from multiple images. Tap \longrightarrow **Animate** or **Collage**, and then select images. You can select up to six images for your collage.

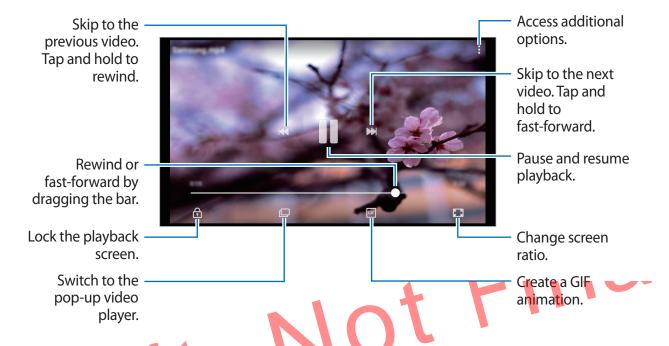
Searching for images

Launch the **Gallery** app and tap \bigcirc to view images sorted by category, such as location, people, documents, shooting mode, and more.

To search for images by entering keywords, tap the search field.

Viewing videos

- 1 Launch the Gallery app and tap PICTURES.
- 2 Select a video to play. Video files show the \triangleright icon on the preview thumbnail.



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.

Viewing albums

You can view your images and videos sorted by folders or albums. The animations or collages you have created will also be sorted in your folders on the albums list.

Launch the Gallery app, tap ALBUMS, and then select an album.

Viewing stories

When you capture or save images and videos, the device will read their date and location tags, sort the images and videos, and then create stories. To create stories automatically, you must capture or save multiple images and videos.

Creating stories

Create stories with various themes.

- 1 Launch the Gallery app and tap STORIES.
- 2 Tap \rightarrow Create story.
- 3 Tick images or videos to include in the story and tap **DONE**.
- 4 Enter a title for the story and tap **CREATE**.

To add images or videos to a story, select a story and tap ADD.

To remove images or videos from a story, select a story, tap $\stackrel{\bullet}{\bullet} \to Edit$, tick images or videos to remove, and then tap $\stackrel{\bullet}{\bullet} \to Remove$ from story.

Sharing stories

You can share stories with your contacts.

- 1 Launch the Gallery app and tap STORIES.
- 2 Select a story to share.
- 3 Tap \mathfrak{A} , select contacts, and then tap **DONE**.

When your contacts accept the share request, the story will be shared and more images and videos can be added to the story by your contacts.



- To use this feature, your phone number must be verified.
- You may incur additional charges when sharing files via the mobile network.
- If the recipients have not verified their phone numbers or if their devices do not support the feature, a link to the files will be sent to them via text message. Link recipients may not be able to use some features. The link will expire after a certain period.

Deleting stories

- 1 Launch the Gallery app and tap STORIES.
- 2 Tap and hold a story to delete, and tap **DELETE**.

Syncing images and videos with Samsung Cloud

You can sync images and videos saved in **Gallery** with Samsung Cloud and access them from other devices. You must register and sign in to your Samsung account to use Samsung Cloud. Refer to Samsung account for more information.

Launch the **Gallery** app, tap → **Settings**, and then tap the **Samsung Cloud** switch to activate it. Images and videos captured on the device will be automatically saved to Samsung Cloud.

Deleting images or videos

Deleting an image or a video

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

Deleting multiple images and videos

- 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**.



Multi window

Introduction

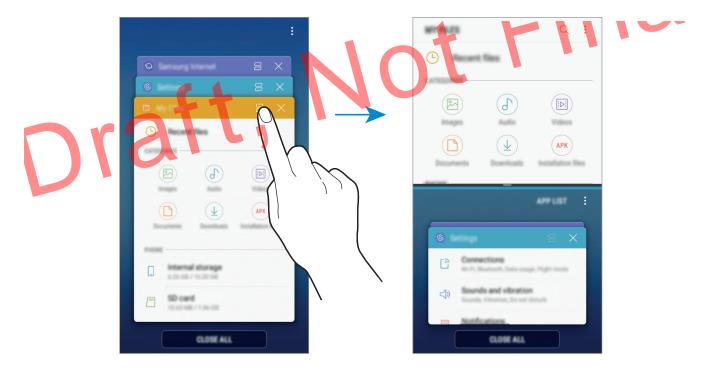
Multi window lets you run two apps at the same time in the split screen view.



Some apps may not support this feature.

Split screen view

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

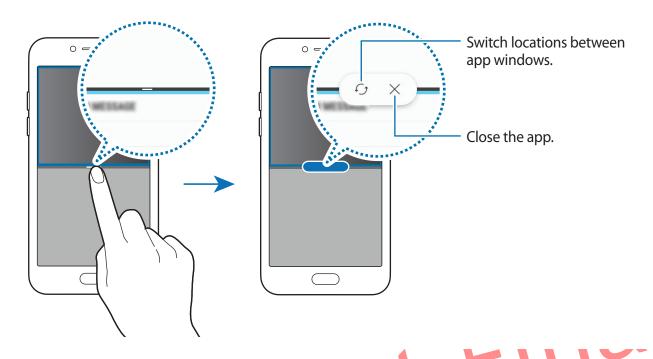


In the lower window, swipe upwards or downwards to select another app to launch.

To launch apps not in the list of recently used apps, tap **APP LIST** and select an app.

Using additional options

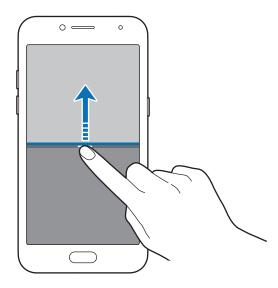
Tap the bar between the app windows to access additional options.



Adjusting the window size

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

When you drag the bar between the app windows to the top or bottom edge of the screen, the window will be maximised.



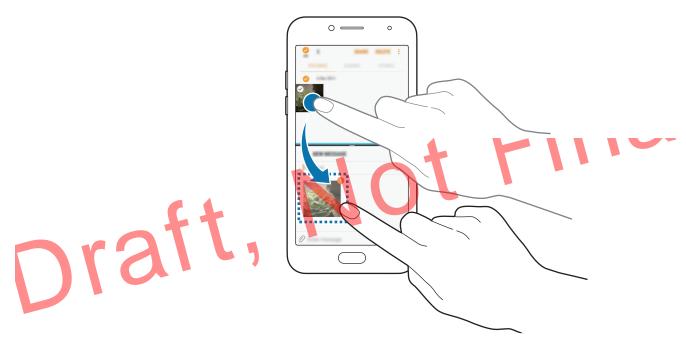
Minimising the split screen view

Press the Home key to minimise the split screen view. The \boxminus icon will appear on the status bar. The app in the lower window will close and the app in the upper window will remain active in the minimised split screen view.

To close the minimised split screen view, open the notification panel and tap the \times icon on the Multi window notification.

Sharing text or images between windows

Drag and drop text or copied images from one window to another. Tap and hold an item in the selected window and drag it to a location in another window.





Some apps may not support this feature.

Calendar

Introduction

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

Creating events

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

 If the date already has saved events or tasks in it, tap the date and tap +.
- 2 Enter event details.



3 Tap **SAVE** to save the event.

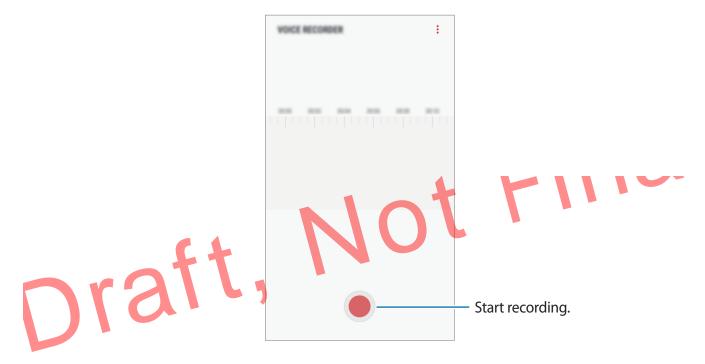
Voice Recorder

Use this app to record or play voice memos.

- 1 Open the **Samsung** folder and launch the **Voice Recorder** app.
- 2 Tap to start recording. Speak into the microphone.

Tap in to pause recording.

While making a voice recording, tap **BOOKMARK** to insert a bookmark.



- 3 Tap to finish recording.
- 4 Enter a file name and tap SAVE.

My Files

Access and manage various files stored in the device.

Open the Samsung folder and launch the My Files app.

View files that are stored in each storage. You can also view files in your device or a memory card by category.

To free up the device's storage, tap \rightarrow **Get more space**.

To search for files or folders, tap \mathbb{Q} .

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 the globe, and then tap **ADD**.

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.
- 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.



Perform simple or complex calculations.

Launch the **Calculator** app.

Rotate the device to landscape orientation to display the scientific calculator. If **Auto rotate** is disabled, tap \lozenge to display the scientific calculator.

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

To clear the history, tap **HISTORY** \rightarrow **CLEAR HISTORY**.

Settings

Introduction

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

Launch the **Settings** app.

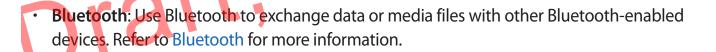
To search for settings by entering keywords, tap \mathbb{Q} .

Connections

Options

Change settings for various connections, such as the Bluetooth.

On the Settings screen, tap Connections.



• **Flight mode**: Set the device to disable all wireless functions on your device. You can use only non-network services.



Make sure the device is turned off during takeoff and landing. After takeoff, you can use the device in flight mode if allowed by aircraft personnel.

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 then tap the switch to activate it.

The detected devices will be listed.

2 Select a device to pair with.

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



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

3 Accept the Bluetooth connection request on your device to confirm.
The devices will be connected when the other device accepts the Bluetooth connection request.

Sending and receiving data

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

- 1 Launch the **Gallery** app and select an image.
- - 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.

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.
- Use Volume keys for media: Set the device to adjust the media volume level when you
 press the Volume key.
- **Volume**: Adjust the volume level for call ringtones, music and videos, system sounds, and notifications.
- Ringtone (single SIM models): Change the call ringtone.
 Ringtone (dual SIM models): Change the ringtones for calls or notifications.
- Vibration pattern: Select a vibration pattern.
- **Notification sounds**: Change the notification sound settings for each app.
- Do not disturb: Set the device to mute incoming calls, notification sounds, and media, except for allowed exceptions.
- Touch sounds: Set the device to sound when you select an app or option on the touchscreen.
- Screen lock sounds: Set the device to sound when you lock or unlock the touchscreen.
- Charging sound: Set the device to sound when it is connected to a charger.
- **Dialling keypad tones:** Set the device to sound when you tap the buttons on the keypad.
- **Keyboard sound**: Set the device to sound when a key is touched.
- Sound quality and effects: Configure additional sound settings.

Notifications

Change the notification settings for each app.

On the Settings screen, tap Notifications.

To customise notification settings, tap **ADVANCED** and select an app.

- Allow notifications: Allow notifications from the selected app.
- Show silently: Set the device to mute notification sounds and hide notification previews.

Settings

- On lock screen: Show or hide notifications from the selected app when the device is locked.
- Set as priority: Display notifications at the top of the notification panel and include them in the allowed list when **Do not disturb** is activated.

Display

Options

Change the display and the Home screen settings.

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

- Brightness: Adjust the brightness of the display.
- Outdoor mode: Activate outdoor mode to make the display easier to see in bright conditions.
- Blue light filter: Activate the blue light filter and change the filter settings. Refer to Blue light filter for more information.
- Screen mode: Change the screen mode to adjust the display's colour and contrast.
- Font: Change the font size and type.
- Home screen: Change the size of the grid to display more or fewer items on the Home screen and more.
- **Easy mode**: Switch to easy mode to display larger icons and apply a simpler layout to the Home screen.
- Icon frames: Set whether to display shaded backgrounds to make icons stand out.
- **Status bar**: Customise the settings for displaying notifications or indicators on the status bar.
- Screen timeout: Set the length of time the device waits before turning off the display's backlight.
- Screensaver: Set the device to launch a screensaver when the device is charging.

Blue light filter

Reduce eye strain by limiting the amount of blue light emitted by the screen.



While you are watching HDR videos from HDR-exclusive video services, the blue light filter may not be applied.

- 1 On the Settings screen, tap **Display** → **Blue light filter**, and then tap the **Turn on now** switch to activate it.
- 2 Drag the adjustment bar to adjust the filter's opacity.
- 3 To set the schedule to apply the blue light filter to the screen, tap the **Turn on as scheduled** switch to activate it and select an option.
 - Sunset to sunrise: Set the device to apply the blue light filter at night and turn it off in the morning, based on your current location.
 - Custom schedule: Set a specific time to apply the blue light filter.

Changing the screen mode or adjusting the display colour

Select a screen mode suitable for viewing movies or images, or adjust the display colour to your preference. If you select the **Adaptive display** mode, you can adjust the display colour balance by colour value.

Changing the screen mode

On the Settings screen, tap **Display** \rightarrow **Screen mode** and select a mode you want.

- Adaptive display: This optimises the colour range, saturation, and sharpness of your display. You can also adjust the display colour balance by colour value.
- AMOLED cinema: This is suitable for watching videos.
- AMOLED photo: This is suitable for viewing images.
- Basic: This is set as default and is suitable for general use.



- You can adjust the display colour only in Adaptive display mode.
- · Adaptive display mode may not be compatible with third-party apps.
- You cannot change the screen mode while applying the blue light filter.

Optimising the full screen colour balance

Optimise the display colour by adjusting the colour tones to your preference.

When you drag the colour adjustment bar towards **Cool**, the blue colour tone will increase. When you drag the bar towards **Warm**, the red colour tone will increase.

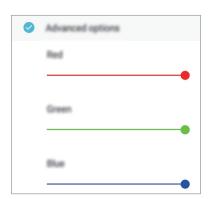
- 1 On the Settings screen, tap **Display** \rightarrow **Screen mode** \rightarrow **Adaptive display**.
- Adjust the colour adjustment bar under **Full screen colour balance**. The colour balance of the screen will be optimised.



Adjusting the screen tone by colour value

Increase or lower certain colour tones by adjusting the Red, Green, or Blue value individually.

- 1 On the Settings screen, tap **Display** → **Screen mode** → **Adaptive display**.
- 2 Tick Advanced options.
- 3 Adjust the **Red**, **Green**, or **Blue** colour bar to your preference. The screen tone screen will be adjusted.



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.

- On the Settings screen, tap **Display** \rightarrow **Screensaver** and tap the switch to activate it.
- Select an option.

If you select Photo Frame, a slideshow with selected images will start. If you select Photo **Table**, selected images will appear as small cards and overlap.

- Tap 🔯 to select albums for displaying images.
- 4 When you are finished, tap the Back button. To preview the selected option, tap **PREVIEW**.



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



Wallpaper

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

On the Settings screen, tap Wallpaper.

Advanced features

Activate advanced features and change the settings that control them.

On the Settings screen, tap Advanced features.



Excessive shaking or impact to the device may cause unintended input for some features.



- One-handed mode: Activate one-handed operation mode for your convenience when using the device with one hand.
- Quick launch Camera: Set the device to launch the camera by pressing the Home key twice quickly.
- Multi window: Select a Multi window launch method.
- Palm swipe to capture: Set the device to capture a screenshot when you swipe your hand to the left or right across the screen. You can view the captured images in Gallery.



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

Settings

• Smart alert: Set the device to alert you if you have missed calls or new messages when you pick up the device.



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

- **Easy mute**: Set the device to mute incoming calls or alarms by using palm motions or facing the device's screen downwards.
- 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.



- Send SOS messages: Set the device to send help messages by pressing the Power key three times. You can also send sound recordings along with the message to the recipients.
- Direct share: Set the device to display the people you contacted on the sharing options panel to allow you to share content directly.



Apps

Manage the device's apps and change their 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**.

Lock screen and security

Options

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

On the Settings screen, tap Lock screen and security.



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

- Screen lock type: Change the screen lock method.
- Smart Lock: Set the device to automatically unlock itself in certain situations.
- Secure lock settings: Change screen lock settings for the selected lock method.

- **Information and FaceWidgets**: Change the settings of the items displayed on the screen when it is off or locked.
- **Notifications**: Set whether or not to show notification content on the locked screen and select which notifications to display.
- App shortcuts: Select apps to display shortcuts to them on the locked screen.
- Unknown sources: Set the device to allow the installation of apps from unknown sources.
- App permission monitor: Set to receive notifications when the permissions you select are used by apps that you are not using. You can manage the settings of each app and view their permission usage history.
- **Secure startup**: Protect your device by setting it to require a screen unlock code when turning on the device. You must enter the unlock code to start the device and receive messages and notifications.
- 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.

Accessibility

Configure various settings to improve accessibility to the device.

On the Settings screen, tap Accessibility.

- **Vision**: Customise the settings to improve accessibility for visually impaired users.
- **Hearing**: Customise the settings to improve accessibility for users with hearing impairment.
- **Dexterity and interaction**: Customise the settings to improve accessibility for users who have reduced dexterity.
- **Text-to-speech**: Change the settings for text-to-speech features used when Voice Assistant is activated, such as languages, speed, and more.
- **Direct access**: Set the device to open selected accessibility menus when you press the Home key three times quickly.
- **Notification reminder**: Set the device to alert you to notifications that you have not checked at the interval.
- Answering and ending calls: Change the method of answering or ending calls.
- Single tap mode: Set the device to control incoming calls or notifications by tapping the button instead of dragging it.
- SERVICES: View accessibility services installed on the device.

General management

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

On the Settings screen, tap **General management**.

- 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.
- **Date and time**: Access and alter the following settings to control how the device displays the time and date.



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

 Contact us: Ask questions or view frequently asked questions. Refer to Samsung Members for more information. Settings

- Report diagnostic information: Set the device to automatically send the device's diagnostic and usage information to Samsung.
- Marketing information: Set whether to receive Samsung marketing information, such as special offers, membership benefits, and newsletters.
- Reset: Reset your device's settings or perform a factory data reset. You can reset all your settings and network settings.

Adding device languages

You can add languages to use on your device.

1 On the Settings screen, tap **General management** → **Language and input** → **Language** → **Add language**.

To view all the languages that can be added, tap \rightarrow All languages.

- 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.

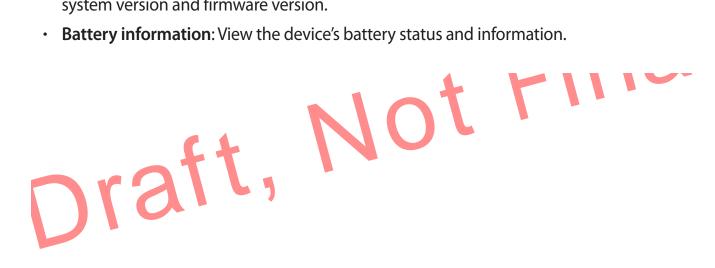
To change the default language from your languages list, drag 🗘 next to a language and move it to the top of the list. Then, tap **DONE**. If an app does not support the default language, the next supported language in the list will be used.

About phone

Access your device's information.

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

- My phone number: View your phone number.
- Status: View various device information, such as the SIM card status ž
- Legal information: View legal information related to the device, such as safety information and the open source licence.
- Device name: View and edit the name that will be displayed when connecting your device with other devices via Bluetooth and other methods.
- **Model number**: View the device's model number.
- **Software information**: View the device's software information, such as its operating system version and firmware version.



Appendix

Troubleshooting

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

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

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

Your device displays network or service error messages

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

Your device does not turn on

When the battery is completely discharged, your device will not turn on. Fully charge the battery before turning on the device.

- The battery may not be inserted properly. Insert the battery again.
- Wipe both gold-coloured contacts and insert the battery again.

The touchscreen responds slowly or improperly

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

Your device freezes or encounters a fatal error

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

Restarting the device

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

Forcing restart

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

Resetting the device

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

Launch the **Settings** app and tap **General management** \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.

If you registered a Google account to the device, you must sign in to the same Google account after resetting 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 is often disconnected or audio quality is poor

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.

The battery icon is empty

Your battery is low. Charge the battery.

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

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

The battery depletes faster than when first purchased

- When you expose the device or the battery to very cold or very hot temperatures, the useful charge may be reduced.
- Battery consumption will increase when you use certain features or apps
- 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.

Another Bluetooth device is not located

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

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

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

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

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 device maintenance or manually delete unused apps or files to free up storage space.

The Apps button does not appear on the Home screen

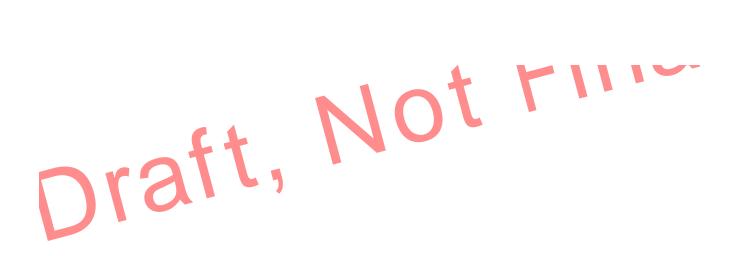
Without using the Apps button, you can open the Apps screen by swiping upwards or downwards on the Home screen. To return to the Home screen, swipe upwards or downwards on the Apps screen. To display the Apps button at the bottom of the Home screen, launch the Settings app and tap Display \rightarrow Home screen \rightarrow Apps button \rightarrow Show Apps button \rightarrow APPLY.

The screen brightness adjustment bar does not appear on the notification panel

Open the notification panel by dragging the status bar downwards, and then drag the notification panel downwards. Tap \bigvee next to the brightness adjustment bar and tap the **Show control on top** switch to activate it.

Samsung Cloud does not work

- Ensure that you are connected to a network properly.
- During a Samsung Cloud's service check, you cannot use Samsung Cloud. Try again later.



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

FCC Part 15.105 statement

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

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

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Part 15.21 statement

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

Health and safety information

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

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

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

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

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

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

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

SAR information on this and other model phones can be viewed on-line at http://www.fcc.gov/oet/ea/fccid/. Please use the phone FCC ID number for search, (A3LSMJ250N). Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional product specific SAR information can also be obtained at http://www.fcc.gov/encyclopedia/specific-absorption-rate-sar-cellular-telephones