SAMSUNG

SM-C115

User Manual

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www.samsung.com

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Troubleshooting

Cleaning the device

Read me first

This device provides mobile communication and media services using Samsung's latest standards and technological expertise. This user manual and the information available at www.samsung.com contain details about the device's functions and features.

- Please read this manual before using the device to ensure safe and proper use.
- Descriptions are based on the device's default settings.
- Some content may differ from your device depending on the region, service provider, or device's software.
- Content (high quality content) that requires high CPU and RAM usage will affect the overall performance of the device. Apps related to the content may not work properly depending on the device's specifications and the environment that it is used in.
- Samsung is not liable for performance issues caused by apps supplied by providers other than Samsung.
- Samsung is not liable for performance issues or incompatibilities caused by edited registry settings or modified operating system software. Attempting to customise the operating system may cause the device or apps to work improperly.
- Software, sound sources, wallpapers, images, and other media provided with this device are licensed for limited use. Extracting and using these materials for commercial or other purposes is an infringement of copyright laws. Users are entirely responsible for illegal use of media.
- You may incur additional charges for data services, such as messaging, uploading and downloading, auto-syncing, or using location services. To avoid additional charges, select an appropriate data tariff plan. For details, contact your service provider.
- 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.

Instructional icons

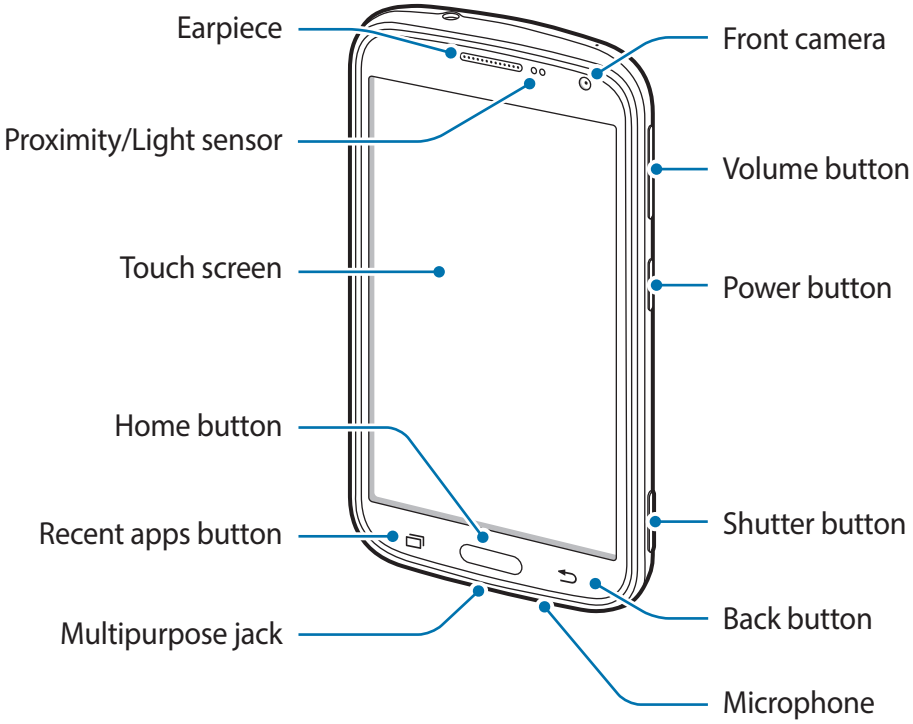
Warning: situations that could cause injury to yourself or others

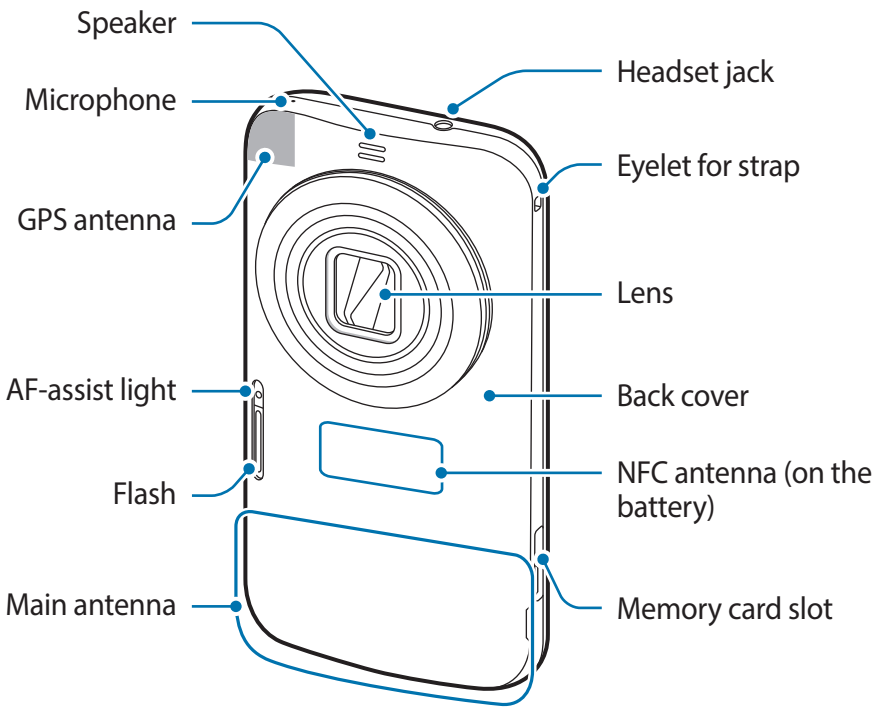
Caution: situations that could cause damage to your device or other equipment

Note: notes, usage tips, or additional information

Getting started

Device layout





Do not subject the lens to impacts. Doing so may cause the lens to malfunction.

- Do not cover the antenna area with your hands or other objects, except when you are taking photos or videos. This may cause connectivity problems or drain the battery.
- Do not use a screen protector. This causes sensor malfunctions.
- Do not allow water to contact the touch screen. The touch screen may malfunction in humid conditions or when exposed to water.

Buttons

Button	Function
Power	• Press and hold to turn the device on or off. • Press to lock or unlock the device. The device goes into lock mode when the touch screen turns off.
Recent apps	• Tap to open the list of recent apps. • Tap and hold to access additional options for the current screen.
Home	• Press to unlock the device. The device goes into lock mode when the touch screen turns off. • Press to return to the Home screen. • Press twice to launch **S Voice**. • Press and hold to launch **Google**.
Back	• Tap to return to the previous screen.
Volume	• Press to adjust the device volume.
Shutter	• Press and hold to launch **Camera**. • Press halfway down to adjust the focus in camera mode. • Press to take photos in camera mode.

Package contents

Check the product box for the following items:

- Device
- Battery
- Quick start guide

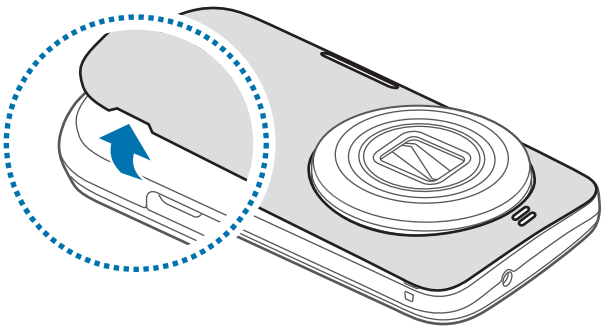
- The items supplied with the device and any available accessories may vary depending on the region or service provider.
- The supplied items are designed only for this device and may not be compatible with other devices.
- Appearances and specifications are subject to change without prior notice.
- You can purchase additional accessories from your local Samsung retailer. Make sure they are compatible with the device before purchase.
- Use only Samsung-approved accessories. Malfunctions caused by using unapproved accessories are not covered by the warranty service.
- Availability of all accessories is subject to change depending entirely on manufacturing companies. For more information about available accessories, refer to the Samsung website.

Installing the SIM or USIM card and battery

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

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

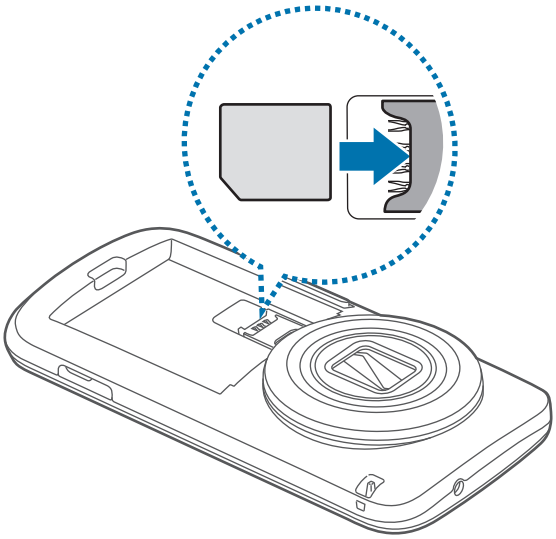
1 Remove the back cover.



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

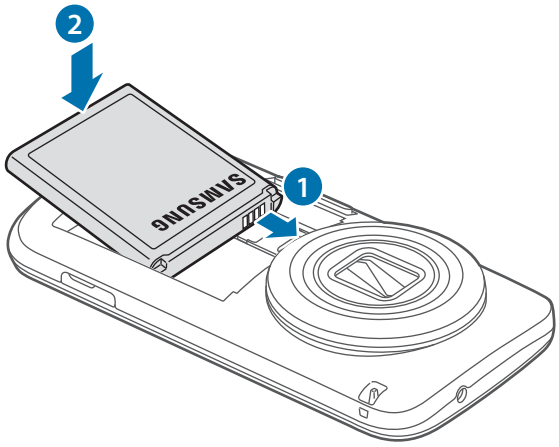
Do not bend or twist the back cover excessively. Doing so may damage the cover.

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

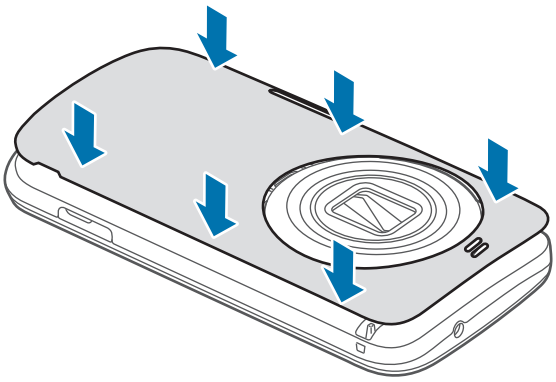


- Do not insert a memory card into the SIM card slot. If a memory card happens to be lodged in the SIM card slot, take the device to a Samsung Service Centre to remove the memory card.
- Use caution not to lose or let others use the SIM or USIM card. Samsung is not responsible for any damages or inconveniences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

3 Insert the battery.



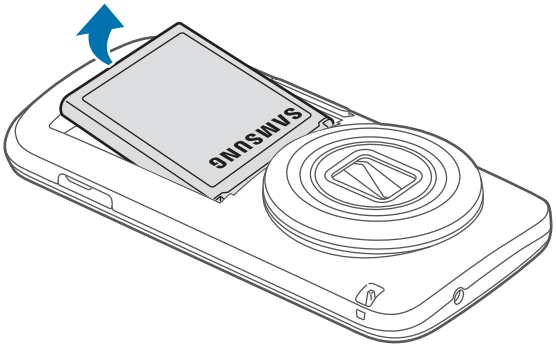
4 Replace the back cover.



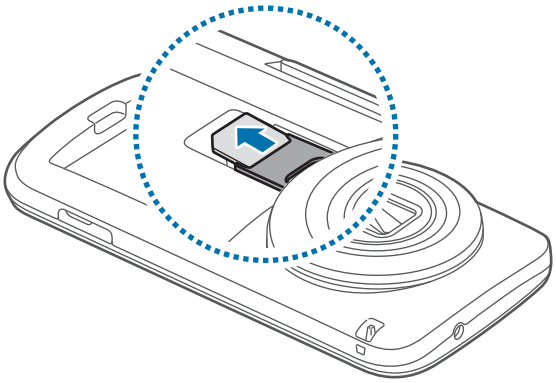
Removing the SIM or USIM card and battery

1 Remove the back cover.

2 Pull out the battery.



3 Pull out the SIM or USIM card.



Charging the battery

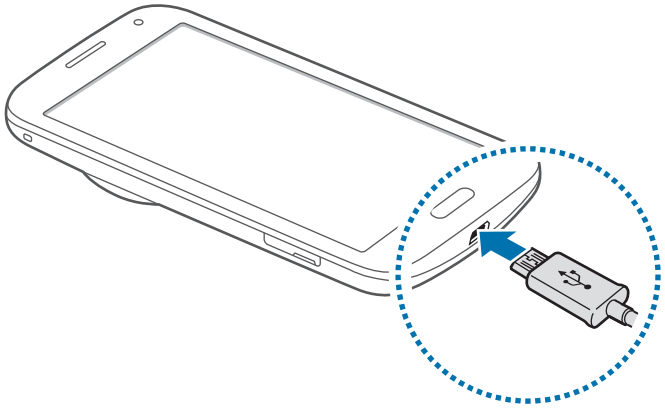
Use the charger to charge the battery before using it for the first time. A computer can be also used to charge the device by connecting them via the USB cable.

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

- When the battery power is low, the battery icon appears empty.
- If the battery is completely discharged, the device cannot be turned on immediately when the charger is connected. Allow a depleted battery to charge for a few minutes before turning on the device.
- If you use multiple apps at once, network apps, or apps that need a connection to another device, the battery will drain quickly. To avoid disconnecting from the network or losing power during a data transfer, always use these apps after fully charging the battery.

1 Connect the USB cable to the USB power adaptor.

2 Plug the end of the USB cable into the multipurpose jack.



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

3 Plug the USB power adaptor into an electric socket.

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

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

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

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

Reducing the battery consumption

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

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

Inserting a memory card

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

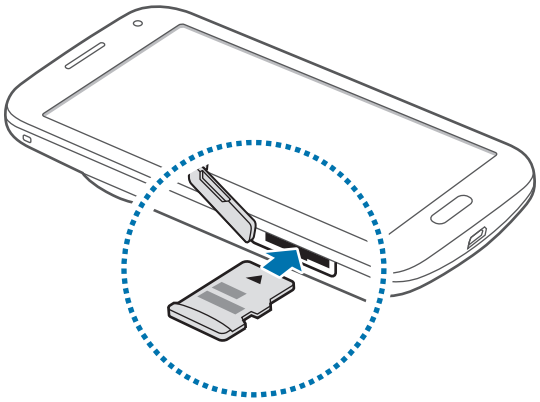
- Some memory cards may not be fully compatible with the device. Using an incompatible card may damage the device or the memory card, or corrupt the data stored in it.
- Use caution to insert the memory card right-side up.

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

1 Open the cover of the memory card slot.

2 Insert a memory card with the gold-coloured contacts facing downwards.

3 Push the memory card into the slot until it locks in place.



4 Close the cover of the memory card slot.

Removing the memory card

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

1 Open the cover of the memory card slot.

2 Push the memory card until it disengages from the device, and then pull it out.

3 Close the cover of the memory card slot.

Do not remove the memory card while the device is transferring or accessing information. Doing so can cause data to be lost or corrupted or damage to the memory card or device. Samsung is not responsible for losses that result from the misuse of damaged memory cards, including the loss of data.

Formatting the memory card

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

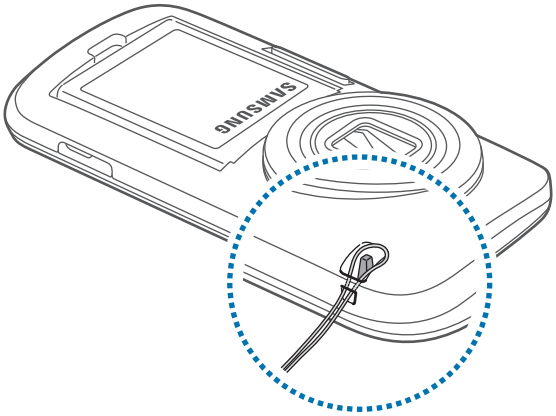
On the Home screen, tap **Apps** → **Settings** → **Storage** → **Format SD card** → **Format SD card** → **Erase everything**.

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

Attaching a hand strap

1 Remove the back cover.

2 Slide a hand strap through the slot and hook it over the small projection.



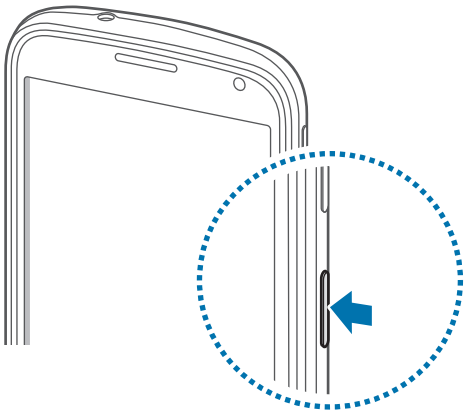
3 Replace the back cover.

Turning the device on and off

When turning on the device for the first time, follow the on-screen instructions to set up your device.

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

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



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

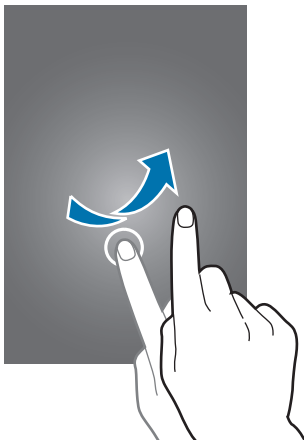
Holding the device

Do not cover the antenna area with your hands or other objects. This may cause connectivity problems or drain the battery.

Locking and unlocking the device

Pressing the Power button turns off the screen and puts the device into lock mode. The device automatically gets locked if it is not used for a specified period.

To unlock the device, press the Power button or the Home button and flick your finger in any direction within the unlock screen area.



You can change the unlock code to unlock the device. Refer to Changing the screen lock method for details.

Basics

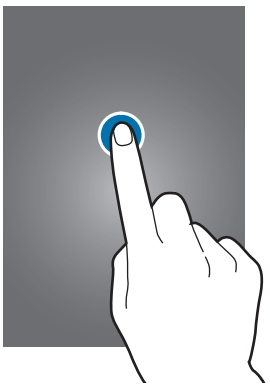
Using the touch screen

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

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

Tapping

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

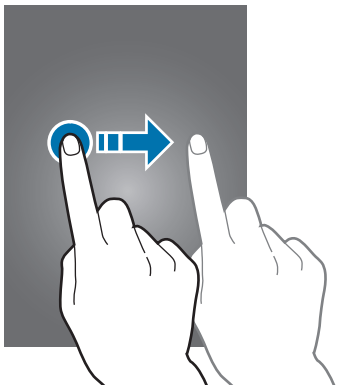


Tapping and holding

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

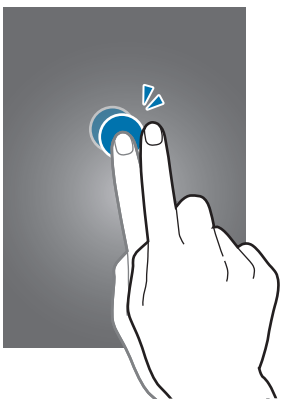
Dragging

To move an icon or thumbnail, tap and hold it and drag it to the target position.



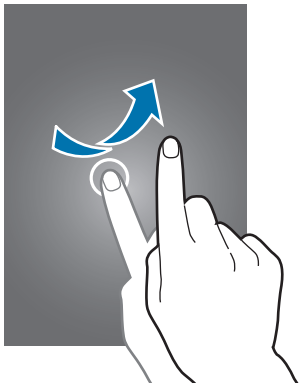
Double-tapping

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



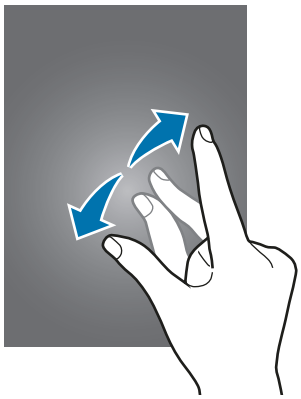
Flicking

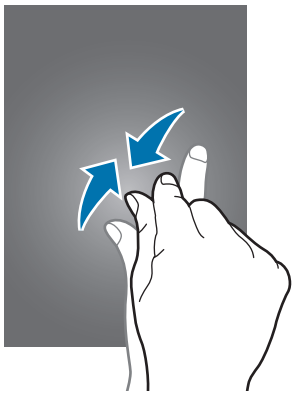
Flick left or right on the Home screen or the Apps screen to see another panel. Flick up or down to scroll through a webpage or a list, such as contacts.



Spreading and pinching

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





Indicator icons

The icons displayed on the status bar provide information about the status of the device. The icons listed in the table below are most common.

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

Icon	Meaning
	No signal
	Signal strength
	Roaming (outside of normal service area)
	GPRS network connected
	EDGE network connected
	UMTS network connected
	HSDPA network connected
	HSPA+ network connected
	LTE network connected
	Wi-Fi connected
	Bluetooth feature activated
	GPS activated
	Call in progress
	Missed call
	Smart stay or smart pause feature activated
	Synced with the web
	Connected to computer
	No SIM or USIM card
	New text or multimedia message
	Alarm activated

Icon	Meaning
	Mute mode activated
	Vibration mode activated
	Flight mode activated
	Error occurred or caution required
	Battery power level

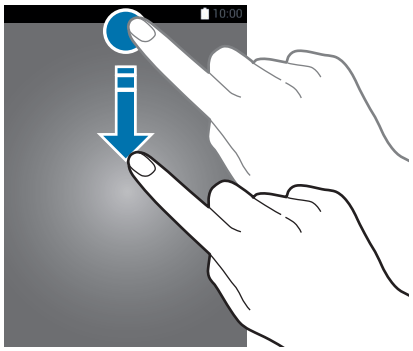
Notifications and quick setting panels

Using the notifications panel

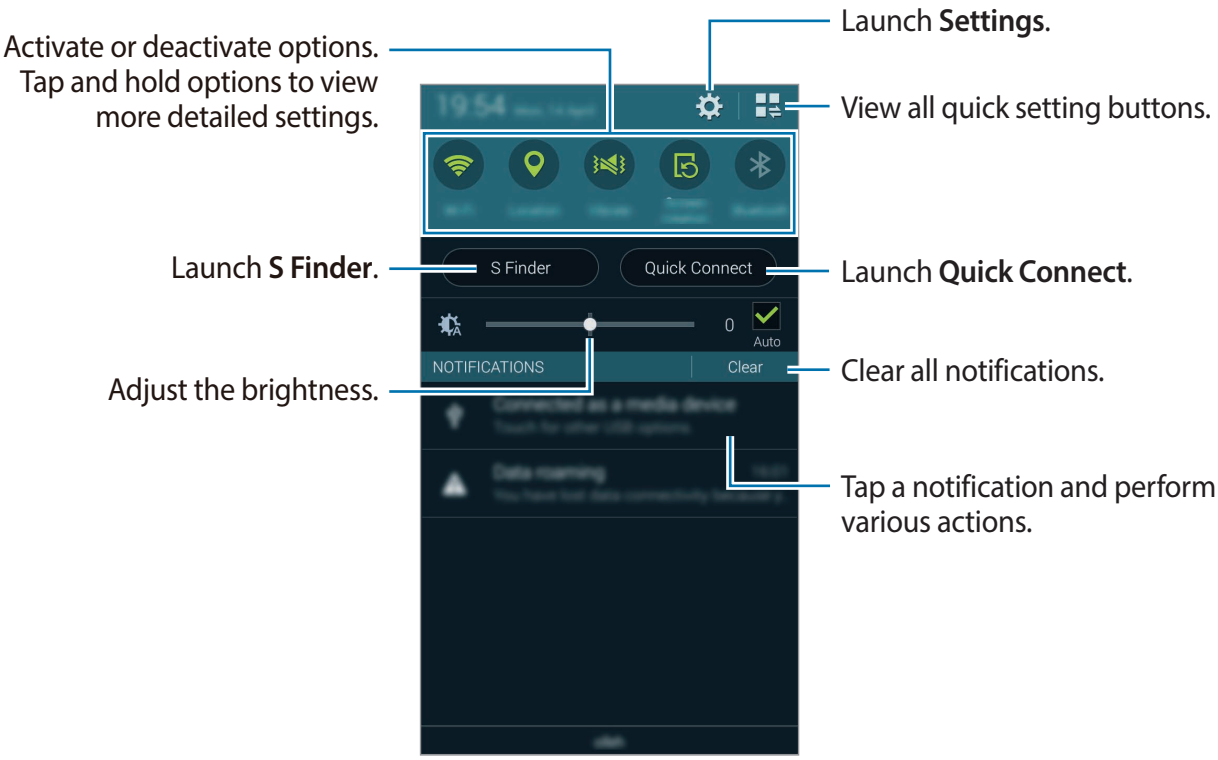
When you receive new notifications, such as messages or missed calls, indicator icons appear on the status bar. To see more information about the icons, open the notifications panel and view the details.

To open the notifications panel, drag the status bar downwards.

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



You can use the following functions on the notifications panel.



Adjusting the brightness

To set the device to adjust the brightness automatically, tick **Auto**. To manually adjust the brightness from the automatic level, drag the brightness adjustment bar to the left or right.

When battery power is low, the brightness adjustment bar disappears from the notifications panel.

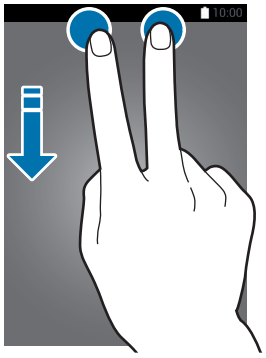
Using the quick setting panel

A number of quick setting buttons are available on the notifications panel. To view or access more quick setting buttons, open the quick setting panel. When you open the quick setting panel, you can activate or deactivate various features or configure settings.

To open the quick setting panel, drag the status bar downwards with two fingers.

To close the quick setting panel, drag the bar from the bottom of the screen upwards.

To rearrange quick setting buttons on the notifications panel, tap ✎, tap and hold an item, and then drag the item to another location.



Use the following options:

- **Wi-Fi**: Activate or deactivate the Wi-Fi feature. Refer to Connecting to a Wi-Fi network for details.
- **Location**: Activate or deactivate the GPS feature.
- **Sound** / **Vibrate** / **Mute**: Activate or deactivate sound mode and silent mode. You can set the device to vibrate or mute all sound in silent mode.
- **Screen rotation**: Allow or prevent the interface from rotating when you rotate the device.

Some apps do not allow screen rotation.

- **Bluetooth**: Activate or deactivate the Bluetooth feature.
- **Mobile data**: Activate or deactivate the mobile data connection.

- **U. power saving**: Activate or deactivate ultra power-saving mode. Refer to Using the power saving feature for details.
- **Toolbox**: Hide or show the toolbox icon. Refer to Toolbox for details.
- **Mobile hotspot**: Activate or deactivate the Wi-Fi tethering feature. Refer to Tethering devices and using mobile hotspots for details.
- **Screen Mirroring**: Activate or deactivate the screen mirroring feature. Refer to Screen Mirroring for details.
- **NFC**: Activate or deactivate the NFC feature. Refer to NFC for details.
- **Sync**: Activate or deactivate auto-syncing of apps.
- **Smart stay**: Activate or deactivate the smart stay feature. When you activate this feature, the screen stays on as long as you look at it.
- **Smart pause**: Activate or deactivate the smart pause feature. When you activate this feature, playback pauses when you look away from the screen.
- **Power saving**: Activate or deactivate power-saving mode. Refer to Using the power saving feature for details.
- **Blocking mode**: Activate or deactivate blocking mode. In blocking mode, your device will block notifications. To select which notifications will be blocked, tap **Settings** → **Blocking mode**.
- **Flight mode**: Activate or deactivate flight mode.

Home and Apps screens

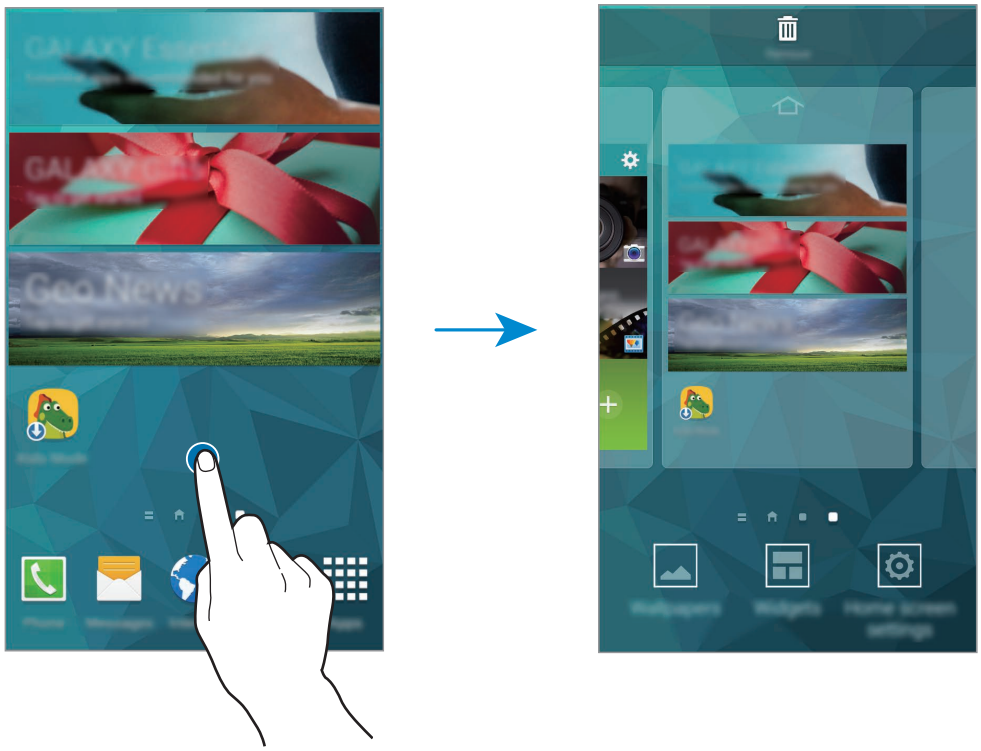
Home screen

The Home screen is the starting point to access all of the device's features. It displays widgets, shortcuts to apps, and more. Widgets are small apps that launch specific app functions to provide information and convenient access on your Home screen.

The Home screen can have multiple panels. To view other panels, scroll left or right. To customise the Home screen, refer to Managing the Home and Apps screens for details.

Home screen options

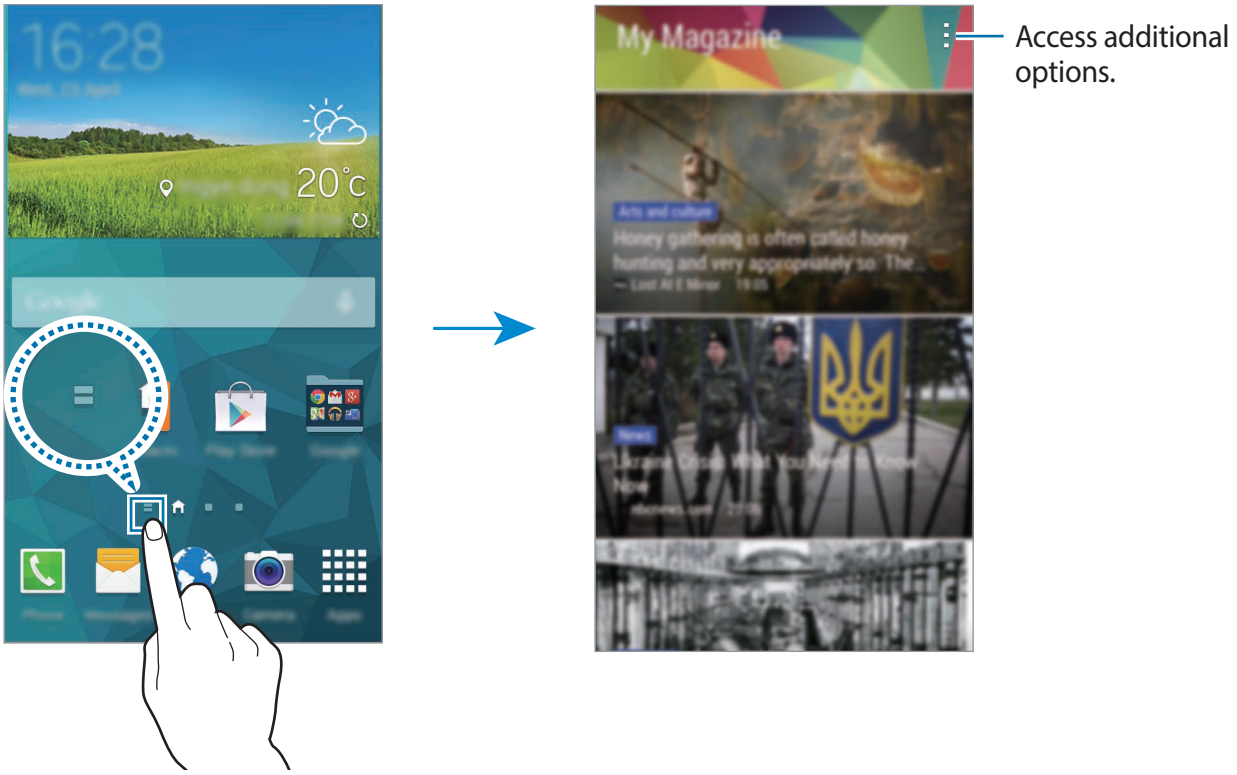
Tap and hold an empty area, or pinch your fingers together on the Home screen to access the options available on the Home screen.



Using My Magazine

Tap or scroll right on the Home screen to open **My Magazine**.

My Magazine displays live social network updates and news that you are interested in.



To select the content to be displayed, tap → **Settings**, and then select the categories that interest you.

To update the content automatically when **My Magazine** opens, tap → **Settings**, and then tick **Auto refresh on opening**.

To deactivate **My Magazine**, on the Home screen, tap and hold an empty area. Then, tap **Home screen settings** and deselect **My Magazine**.

Apps screen

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

On the Home screen, tap **Apps** to open the Apps screen. To view other panels, scroll left or right, or select a screen indicator at the bottom of the screen. To customise the Apps screen, refer to Managing the Home and Apps screens for details.

Opening apps

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

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

Closing an app

Tap → , and then tap **End** next to an app to close it. To close all running apps, tap **End all**. Alternatively, tap → .

Installing or uninstalling apps

Samsung Apps

Use this app to purchase and download dedicated Samsung apps.

Tap **Samsung Apps** on the Apps screen.

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

Installing apps

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

Select an app to view information about it. To download free apps, tap **Free**. To purchase and download apps where charges apply, tap the button that shows the app's price.

By default, the device automatically updates any installed app when a new version is available. To change the default setting or to update apps manually, tap → **Settings** → **Auto update apps**, and then select an option.

Play Store

Use this app to purchase and download apps and games that are able to run on the device.

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

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

Installing apps

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

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

By default, the device automatically updates any installed app when a new version is available. To change the default setting or to update apps manually, tap → **Settings** → **Auto-update apps**, and then select an option.

Downloading suggested apps

You can view and download dedicated Galaxy device apps.

On the Apps screen, tap → **GALAXY Essentials**. Or, on the Home screen, tap the **GALAXY Essentials** widget or the **GALAXY Gifts** widget, and then tap next to an app.

To download all apps in the list, tap **Download all**.

Managing apps

Uninstalling or disabling apps

To disable default apps, on the Apps screen, tap → **Uninstall/disable apps**. appears on apps that you can disable. Select an app and tap **Disable**.

To uninstall downloaded apps, on the Apps screen, tap → **Downloaded apps** → → **Uninstall**. Alternatively, on the Apps screen, tap **Settings** → **Application manager**, select an app, and then tap **Uninstall**.

Enabling apps

On the Apps screen, tap ⋮ → **Show disabled apps**, select apps, and then tap **Done**.

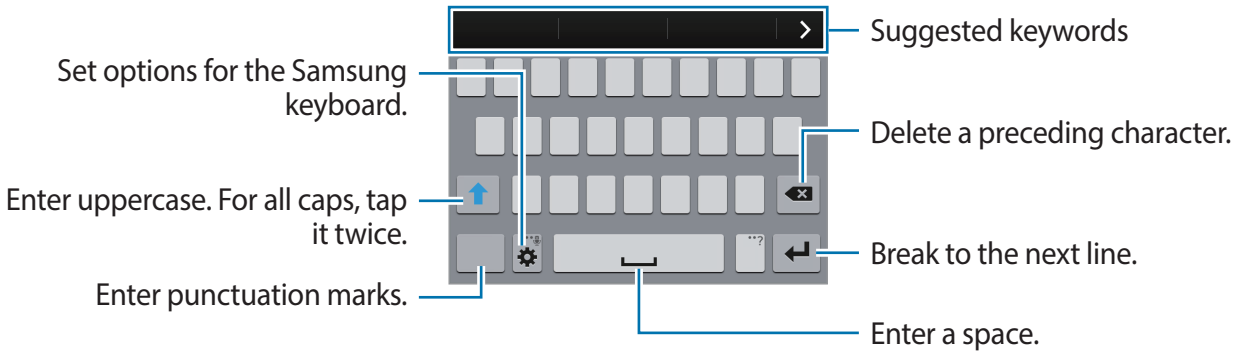
Alternatively, on the Apps screen, tap **Settings** → **Application manager**, scroll to **DISABLED**, select an app, and then tap **Enable**.

- Hiding apps: Hide apps in the Apps screen only. You can continue to use hidden apps.
- Disabling apps: Disable selected default apps that cannot be uninstalled from the device. You cannot use disabled apps.
- Uninstalling apps: Uninstall downloaded apps.

Entering text

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

Text entry is not supported in some languages. To enter text, you must change the input language to one of the supported languages.



Setting input languages

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

Changing the keyboard layout

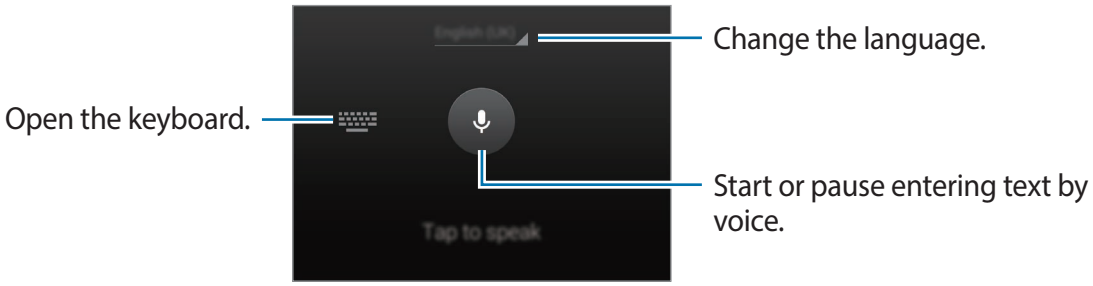
Tap ⚙, select a language under **INPUT LANGUAGES**, and then select a keyboard layout to use.

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

Using additional keyboard functions

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

- : Enter text by voice.



Ensure that the Wi-Fi or mobile network is connected before using this feature. You may incur additional charges when using this feature via the mobile network.

- : Add an item from the clipboard.
- : Set options for the keyboard.
- : Enter emoticons.

Copying and pasting

1 Tap and hold over text.

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

3 Tap **Copy** or **Cut**. The selected text is copied to the clipboard.

4 Place the cursor where the text is to be inserted and tap → **Paste**. To paste text that you have previously copied, tap → **Clipboard** and select the text.

Using the power saving feature

Power saving mode

Save battery power by limiting the device's functions.

On the Apps screen, tap **Settings** → **Power saving** → **Power saving mode**, and then drag the **Power saving mode** switch to the right. Alternatively, open the quick setting panel and tap **Power saving** to activate it.

Select from the following options:

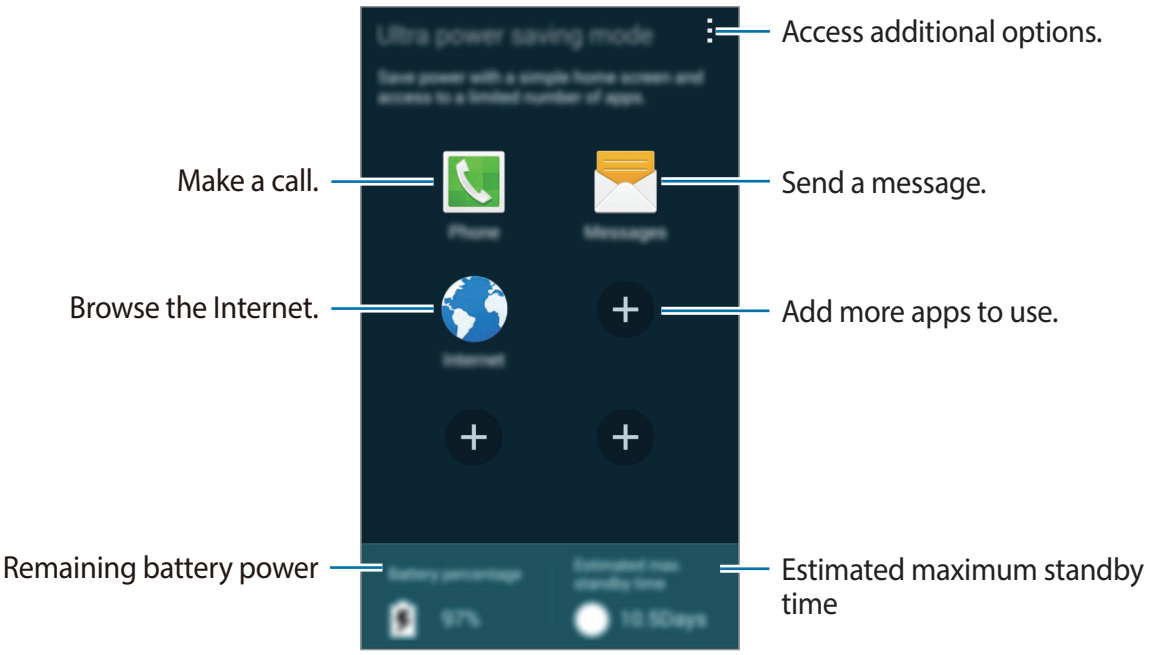
- **Block background data**: Prevent apps that are running in the background from using a mobile data connection.
- **Restrict performance**: Limit various options, such as turning off the Recent apps and Back buttons' backlight.

Ultra power saving mode

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

- Restricts the available apps to essential and selected apps only.
- Deactivates the mobile data connection when the screen turns off.
- Deactivates the Wi-Fi and Bluetooth features.

On the Apps screen, tap **Settings** → **Power saving** → **Ultra power saving mode**, and drag the **Ultra power saving mode** switch to the right. Alternatively, open the quick setting panel and tap **U. power saving** to activate it.



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

To remove an app from the Home screen, tap → **Remove**, select an app with ⊖, and then tap **OK**.

To change network connectivity settings and more, tap → **Settings**.

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

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

Accessing help information

To access help information for an app while you are using the app, tap → **Help**.

To access help information to learn how to use the device and apps, on the Apps screen, tap **Settings** → **Help**.

- Some apps may not support this feature.
- Ensure that the Wi-Fi or mobile network is connected before using this feature. You may incur additional charges when using this feature via the mobile network.

Personalising

Switching to easy mode

Easy mode provides an easier user experience by using a simpler layout and bigger icons on the Home screen. You can access the most popular apps and frequently-used settings, and add shortcuts to your favourite contacts.

On the Apps screen, tap **Settings** → **Easy mode** → **Easy mode**, select apps to apply simpler layout, and then tap **Done**.

To return to standard mode, on the Home screen, tap **Easy settings** → **Easy mode** → **Standard mode** → **Done**.

Managing shortcuts

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

To add a shortcut to a contact on the Home screen, scroll right, tap .

To delete a shortcut from the Home screen, tap → **Edit**, select an app or contact with , and then tap **OK**.

Managing the Home and Apps screens

Managing the Home screen

Adding items

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

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

Moving and removing an item

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

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

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

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

Creating a folder

1 On the Home screen, tap and hold an app, and then drag it to **Create folder** that appears at the top of the screen.

2 Enter a folder name.

3 Tap ⊕, select the apps to move to the folder, and then tap **Done**.

Managing panels

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

To add a panel, scroll left to the last panel, and then tap .

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

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

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

Managing the Apps screen

Changing view mode

On the Apps screen, tap ⋮ → **View as** and select a sorting method.

Hiding apps

Hide apps that you do not want to see on the Apps screen.

On the Apps screen, tap ⋮ → **Hide apps**, select apps, and then tap **Done**.

To display hidden apps, tap ⋮ → **Show hidden apps**, select apps, and then tap **Done**.

Moving items

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

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

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

Creating folders

1 On the Apps screen, tap ⋮ → **Create folder**. Alternatively, tap ⋮ → **Edit**, tap and hold an app, and then drag it to **Create folder** that appears at the top of the screen.

2 Enter a folder name.

3 Tap ⊕, select the apps to move to the folder, and then tap **Done**.

Changing the screen lock method

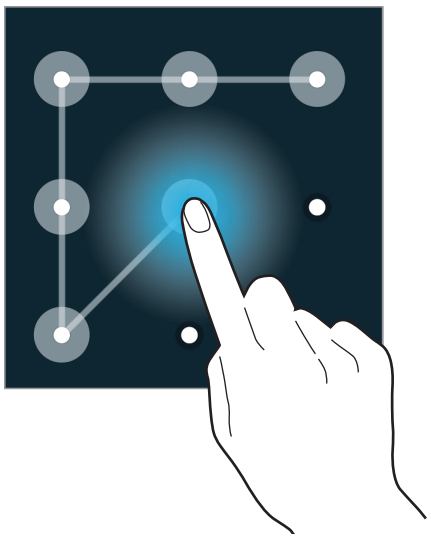
You can change the way that you lock the screen to prevent others accessing your personal information.

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

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

Pattern

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



PIN

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

Password

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

Setting wallpaper

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

1 On the Apps screen, tap **Settings** → **Wallpaper**. Alternatively, on the Home screen, tap and hold an empty area, and then tap **Wallpapers**.

2 Select a screen to change or apply wallpaper to.

3 Scroll left or right and select from images displayed at the bottom of the screen.

To select photos taken by the device's camera or other images, tap **More images**.

4 Tap **Set wallpaper** or **Done**.

Changing ringtones

Change ringtones for incoming calls and notifications.

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

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

To set a ringtone for notifications, tap **Notifications**, select a ringtone, and then tap **OK**.

Setting up accounts

Adding accounts

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

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

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

Removing accounts

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

Moving contacts from other devices to your device

Moving contacts using Samsung Smart Switch

You can transfer contacts of the previous device to a new device via Smart Switch (for mobiles and computers). Visit www.samsung.com/smartswitch for more information.

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

Using Smart Switch Mobile

Use this app to transfer contacts from your previous iPhone or Android device to your new device. You can download the app from **Samsung Apps** or **Play Store**.

1 On your device, tap **Smart Switch Mobile**.

2 On your device, select an option depending on the previous device type and follow the on-screen instructions.

If the previous device is an Android device, ensure that the Smart Switch Mobile app is installed on the device. Refer to the help for more information.

Using Smart Switch with computers

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

1 Back up contacts from a previous device to the computer. For details, contact the device's manufacturer.

2 On the computer, launch Smart Switch.

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

4 On the computer, click the manufacturer of the previous device and follow the on-screen instructions to transfer contacts to your device.

Moving contacts using Samsung Kies

Import a backup of your contacts from your computer via Samsung Kies to restore contacts on your device. You can also back up contacts to the computer via Samsung Kies. Refer to Connecting with Samsung Kies for details.

Network connectivity

Connecting to a mobile network

Connect the device to a mobile network to use the Internet when a Wi-Fi network is not available.

On the Apps screen, tap **Settings** → **Data usage**, and then tick **Mobile data**. Alternatively, open the quick setting panel and tap **Mobile data** to activate it.

Connecting to a Wi-Fi network

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

- Your device uses a non-harmonised frequency and is intended for use in all European countries. The WLAN can be operated in the EU without restriction indoors, but cannot be operated outdoors.
- Turn off Wi-Fi to save the battery when not in use.

1 On the Apps screen, tap **Settings** → **Wi-Fi**. Alternatively, open the quick setting panel and tap and hold **Wi-Fi**.

2 Drag the **Wi-Fi** switch to the right.

3 Select a network from the list of detected Wi-Fi networks. Networks that require a password appear with a lock icon.

4 Tap **Connect**. After the device connects to a Wi-Fi network, the device will automatically connect to it any time it is available.

Adding Wi-Fi networks

If the desired network does not appear in the networks list, tap **Add Wi-Fi network** at the bottom of the networks list. Enter the network name in **Network SSID**, select the security type and enter the password if it is not an open network, and then tap **Connect**.

Activating Wi-Fi Passpoint

Wi-Fi Passpoint enables the device to search for and connect to a certified Wi-Fi network. You can use the Passpoint feature to connect to public Wi-Fi networks that support automated authentication. When you move to a new location it will search for and connect to another certified Wi-Fi network.

This feature may not be available depending on the region.

Tap → **Advanced**, and then tick **Passpoint**.

Forgetting Wi-Fi networks

Any network that has ever been used, including the current network, can be forgotten so the device will not automatically connect to it. Select the network in the networks list and tap **Forget**.

Using Smart network switch

Use this feature to maintain a stable network connection when you browse webpages, download content, and more. Before using this feature, ensure that the mobile data connection and Wi-Fi features are activated.

You may incur additional charges when using this feature via a mobile network.

On the Apps screen, tap **Settings** → **Wi-Fi**, and then tick **Smart network switch**. The device automatically switches from a Wi-Fi network to a mobile network when the current Wi-Fi network is weak or unstable. When the Wi-Fi network signal becomes strong, the device switches from the mobile network back to the Wi-Fi network.

Tethering devices and using mobile hotspots

About tethering and mobile hotspots

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

You may incur additional charges when using this feature.

Using the mobile hotspot

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

Before using this feature

- Ensure that the Wi-Fi feature is deactivated.
- Ensure that the device's mobile data connection is activated.

1 On the Apps screen, tap **Settings** → **Tethering and Mobile hotspot** → **Mobile hotspot**.

2 Drag the **Mobile hotspot** switch to the right.

- appears on the status bar. Other devices can find your device on the Wi-Fi networks list.
- To set a password for the hotspot, tap → **Configure hotspot** and select the level of security. Then, enter a password and tap **Save**.

3 On the other device's screen, search for and select your device from the Wi-Fi networks list.

4 On the connected device, use the device's mobile data connection to access the Internet.

Using USB tethering

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

1 On the Apps screen, tap **Settings** → **Tethering and Mobile hotspot**.

2 Connect your device to the computer via the USB cable.

3 Tick **USB tethering**.

appears on the status bar when the two devices are connected.

4 On the computer, use your device's mobile data connection.

Using Bluetooth tethering

Share the device's mobile data connection with connected computers and other devices via Bluetooth.

Before using this feature

- Ensure that your device is paired with the other device via Bluetooth. Refer to Bluetooth for details.
- Ensure that the computer that you connect to supports the Bluetooth feature.

1 On your device, on the Apps screen, tap **Settings** → **Tethering and Mobile hotspot**.

2 Tick **Bluetooth tethering**.

3 On the connected device, open the Bluetooth settings screen, tap ⚙ → **Internet access**.

appears on the status bar when the two devices are connected.

4 On the connected device, use the device's mobile data connection to access the Internet.

The connection methods may vary depending on the connected devices.

Motions & usability features

Control motions

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

Direct call

On the Apps screen, tap **Settings** → **Motions and gestures** → **Direct call**, and then drag the **Direct call** switch to the right.

While viewing call, message, or contact details, pick up and hold the device to your ear to make a call.

Smart alert

On the Apps screen, tap **Settings** → **Motions and gestures** → **Smart alert**, and then drag the **Smart alert** switch to the right.

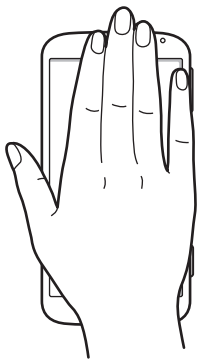
When you pick up the device after it has been idle for some time or when the screen has turned off, it vibrates if you have missed calls or new messages.

Mute/Pause

On the Apps screen, tap **Settings** → **Motions and gestures** → **Mute/Pause**, and then drag the **Mute/Pause** switch to the right.

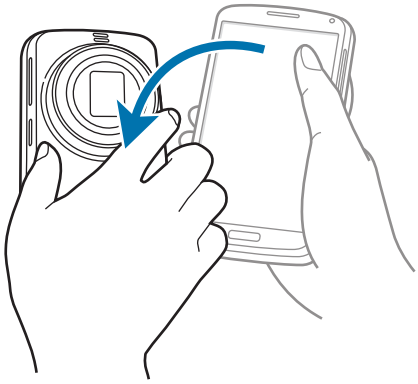
Covering screen with hand

Cover the screen with a palm to mute incoming calls or alarms, or to pause media playback.



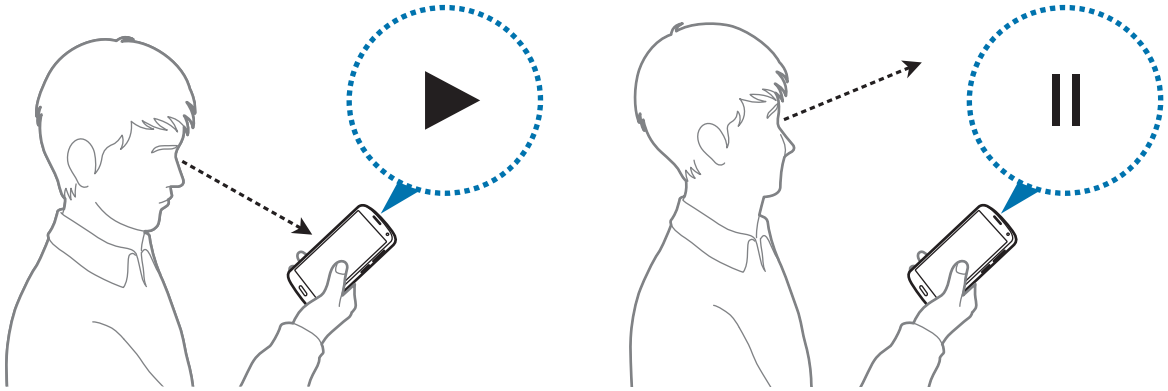
Turning device over

Turn the device over to mute incoming calls or alarms, or to pause media playback.



Smart pause

Playback pauses automatically when you look away from the screen. It resumes when you look at the screen again.

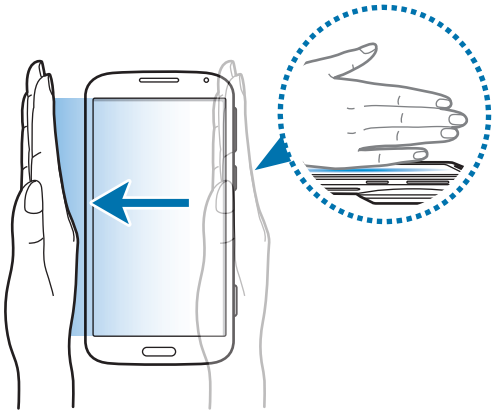


Palm swipe to capture

On the Apps screen, tap **Settings** → **Motions and gestures** → **Palm swipe to capture**, and then drag the **Palm swipe to capture** switch to the right.

Place the side of your hand on the screen and sweep it across the screen from the right to the left or vice versa to capture a screenshot. The image is saved in the **Gallery** → ☰ → **Album** → **Screenshots** folder.

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



Toolbox

You can easily launch various apps from the toolbox icon while using other apps.

On the Apps screen, tap **Settings** → **Toolbox**, and then drag the **Toolbox** switch to the right. Alternatively, open the quick setting panel and tap **Toolbox** to activate it. ⋯ appears on the screen.

To launch an app, tap ⋯ and select an app.

To move the toolbox icon, tap ⋯ and drag it to another location.

To change the apps that are in the toolbox, tap and hold ⋯, and then drag it to **Edit**.

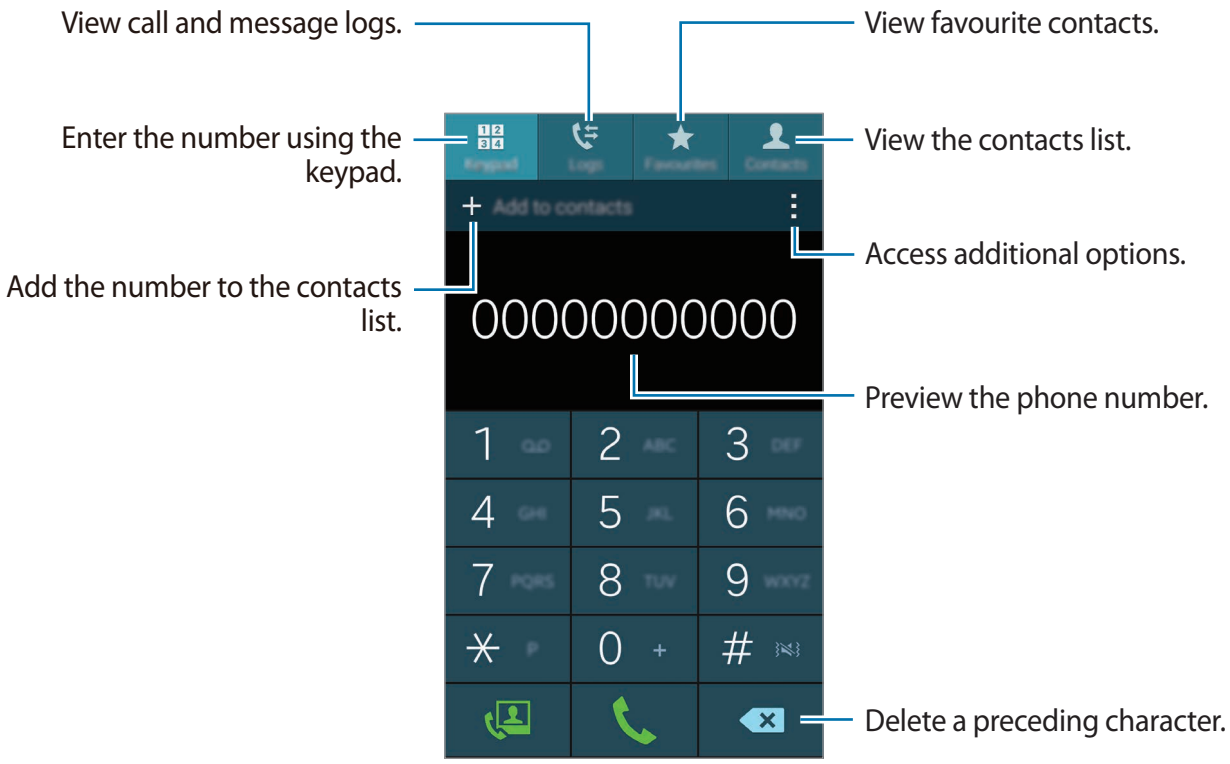
To hide the toolbox icon, tap and hold ⋯, and then drag it to **Delete**.

Phone

Making calls

Tap **Phone** on the Apps screen.

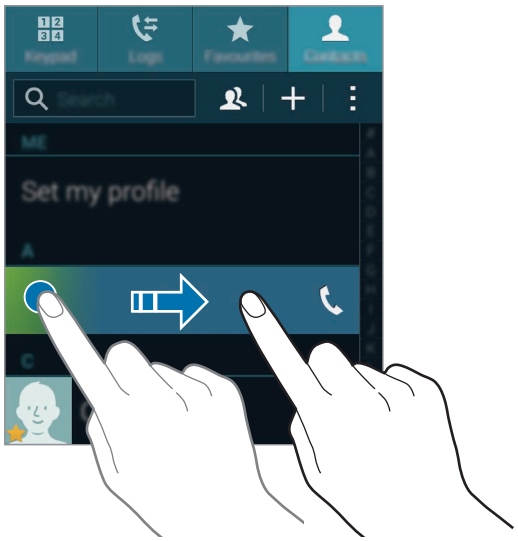
Tap **Keypad**, enter a phone number, and then tap to make a voice call, or tap to make a video call. You can also make calls to phone numbers listed in **Logs**, **Favourites**, and **Contacts**.



Making calls from call logs or contact lists

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

To deactivate the call by dragging an icon to the right feature, tap → **Settings** → **Contacts**, and then deselect **Swipe to call or send msg**.



Making calls from the favourites list

You can easily call contacts that you communicate with frequently by adding them to the favourite contacts list.

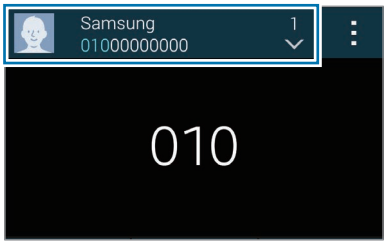
To add contacts to the favourites list, tap **Contacts**, select a contact, and then tap ★.

To make a call to a favourite contact, tap **Favourites** and select a contact.

Number prediction

Tap **Keypad**.

When entering numbers on the keypad, automatic predictions appear. Select one of these to make a call.



Speed dial numbers

Tap **Keypad**.

For speed dial numbers, tap and hold the corresponding digit.

To assign a contact to a speed dial number, tap and hold an available speed dial number on the keypad, tap **OK**, and then select a contact. Or, tap **Contacts** → → **Speed dial**, select a number, and then select a contact.

Making an international call

Tap **Keypad**.

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

To block outgoing international calls, tap → **Settings** → **Call** → **More settings** → **Call barring**. Then, select a call type and deselect **International calls**.

Receiving calls

Answering a call

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

If a call notification pop-up window appears while you are using an app, tap **Answer** in the pop-up window.

If the call waiting service is activated, another call can be answered. When the second call is answered, the first call is put on hold.

Rejecting a call

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

If a call notification pop-up window appears while you are using an app, tap **Reject** in the pop-up window.

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

To create various rejection messages, on the Apps screen, tap **Phone** → → **Settings** → **Call** → **Call rejection** → **Rejection messages** → **Create**.

Automatically rejecting calls from unwanted numbers

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

2 Tap → **Settings** → **Call** → **Call rejection** → **Auto reject mode** → **Auto reject numbers**.

3 Tap **Auto reject list** → **Create**, enter a number, and then assign a category.

4 Tap **Save**.

Missed calls

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

During a call

During a voice call

The following actions are available:

- : Increase the volume.
- **Add call**: Dial a second call.
- **Keypad**: Open the keypad.
- **End call**: End the current call.
- **Speaker**: Activate or deactivate the speakerphone. When using the speakerphone, speak into the microphone at the top of the device and keep the device away from your ears.
- **Mute**: Turn off the microphone so that the other party cannot hear you.
- **Bluetooth**: Switch to a Bluetooth headset if it is connected to the device.
- → **Hold**: Hold a call. Tap **Unhold** to retrieve the held call.
- → **Contacts**: Open the contacts list.
- → **Memo**: Create a memo.
- → **Messages**: Send a message.
- → **Personalise call sound**: Select a type of call sound to use with a headset.
- → **Settings**: Change the call settings.

When you launch apps during a call, a pop-up window for the call screen ( ) appears. You can continue your phone conversation while using apps.

To move the pop-up window, drag it to another location.

To delete the pop-up window, tap and hold it, and then tap **OK**.

To return to the call screen, tap the pop-up window.

During a video call

The following actions are available:

- → **Hide me**: Hide your image from the other party.
- → **Outgoing image**: Select an image to show it to the other party.
- → **Capture image**: Capture the other party's image.
- → **Record video**: Take a video of the other party's images.
- → **Memo**: Create a memo.
- → **Messages**: Send a message.
- → **Keypad**: Open the keypad.
- → **Speaker off** / **Speaker on**: Activate or deactivate the speakerphone. When using the speakerphone, speak into the microphone at the top of the device and keep the device away from your ears.
- → **Switch to headset**: Switch to a Bluetooth headset if it is connected to the device.

Tap the screen to use the following options:

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

Contacts

Adding contacts

Moving contacts from other devices

You can move contacts from other devices to your device. Refer to Moving contacts from other devices to your device for details.

Creating contacts manually

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

2 Tap and enter contact information.

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

3 Tap **Save**.

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

Managing contacts

Editing a contact

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

2 Select a contact to edit and tap .

3 Edit the contact information or tap **Add another field** to add more contact information.

4 Tap **Save**.

Deleting a contact

Select a contact to delete, and then tap → **Delete**.

Sharing a contact

Select a contact to share, tap → **Share name card**, and then select a sharing method.

Managing groups

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

Tap .

Creating a new group

Tap , enter a group name, and then tap **Save**.

Adding contacts to a group

Select a group, and then tap . Select contacts to add, and then tap **Done**.

Deleting a group

Tap → **Delete group**, select user-added groups, and then tap **Done**.

Sending a message or email to group's members

Select a group, tap → **Send message or email** → **Message** or **Email**, select members, tap **Done**, enter a message, and then tap the send button.

Merge contacts with accounts

Merge contacts that are saved in the device with your accounts.

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

Tap → **Merge accounts** → **Google** or **Samsung account**.

Importing and exporting contacts

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

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

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

Searching for contacts

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

Use one of the following search methods:

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

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

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

Adding shortcuts for contacts to the Home screen

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

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

2 Select a contact.

3 Tap → **Add shortcut to home screen**.

Messages & email

Messages

Sending messages

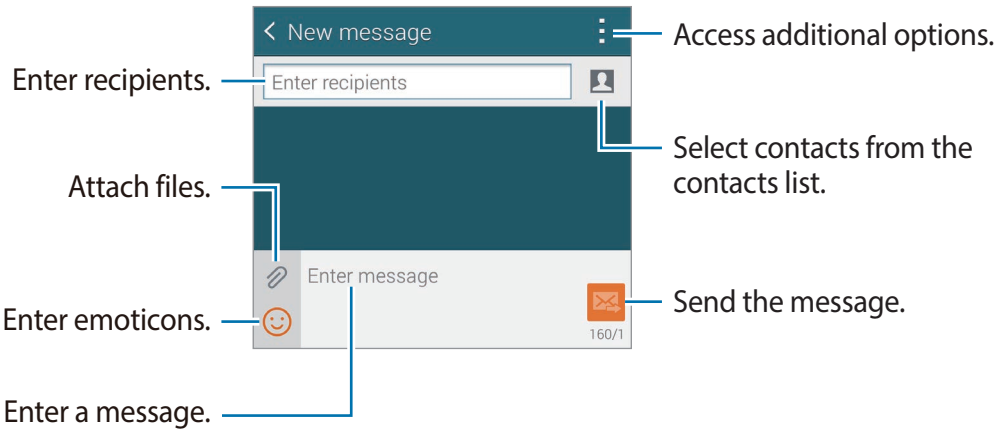
Send text messages (SMS) or multimedia messages (MMS).

You may incur additional charges for sending or receiving messages while you are outside your home service area.

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

2 Tap .

3 Add recipients and enter a message.



4 Tap to send the message.

While composing a message, tap to use one of the following options:

- **Quick responses**: Select a message template and enter a message.
- **Insert smiley**: Enter emoticons.
- **Add subject**: Enter a subject.
- **Add slide**: Add message slides.
- **Schedule message**: Set a specified time and date for a message to be sent.
- **Discard**: Cancel composing the message.
- **Font size**: Change the font size of text in the text field.

Sending scheduled messages

While composing a message, tap → **Schedule message**. Set a time and date and tap **Done**.

- If the device is turned off at the scheduled time, is not connected to the network, or the network is unstable, the message will not be sent.
- This feature is based on the time and date set on the device. The time and date may be incorrect if you move across time zones and the network does not update the information.

Adding contacts to the priority list

Set contacts that you communicate with frequently as priority contacts. Send them messages by selecting a contact icon from above the messages list.

Tap **Tap to add priority senders.** → **Inbox** or **Contacts**, select contacts to add, and then tap **Done**. To add more contacts, tap ⊕.

To remove contacts from the priority list, tap and hold a contact, and then tap **Edit list of priority senders** → ⊖ → **Done**.

Viewing incoming messages

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

You may incur additional charges for sending or receiving messages while you are outside your home service area.

While viewing a message, tap to use one of the following options:

- **Video call**: Make a video call to the contact.
- **View contact**: View the contact's information.
- **Add to Contacts**: Add the contact to the contacts list.
- **Quick responses**: Enter a message by selecting one from message templates.
- **Add recipient**: Add recipients to send the message to.
- **Insert smiley**: Enter emoticons.
- **Add subject**: Enter a subject.
- **Add slide**: Add message slides.
- **Schedule message**: Set a specified time and date from a message to be sent.
- **Add to priority senders** / **Remove from priority senders**: Add contacts to or remove them from the priority senders list.
- **Add to spam numbers** / **Remove from spam numbers**: Identify a phone number as spam or remove a phone number from the spam list.
- **Discard**: Cancel composing the message.
- **Font size**: Change the font size of text in the text field.

Managing messages

While viewing the list of messages, tap and use the following options:

- **Select**: Select messages to delete or to identify them as spam.
- **Delete**: Delete all or selected messages.
- **Draft messages**: View messages saved for later delivery.
- **Locked messages**: View locked messages.
- **Scheduled messages**: View scheduled messages.
- **Spam messages**: View spam messages.
- **Font size**: Change the font size of text in the text field.
- **Settings**: Change message settings.
- **Help**: Access help information about sending and managing messages.

Email

Setting up email accounts

Tap **Email** on the Apps screen.

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

Enter the email address and password. Tap **Next** for a private email account, such as Google Mail, or tap **Manual setup** for a company email account. After that, follow the on-screen instructions to complete the setup.

To set up another email account, tap ☰ → **Manage accounts** → .

Sending messages

Tap **Email** on the Apps screen.

Tap at the bottom of the screen. Enter recipients, subject, and message, and then tap .

Tap to add a recipient from the contacts list.

Tap to attach images, videos, and others.

Tap → to insert images, events, and others into the message.

Sending scheduled messages

While composing a message, tap → **Schedule email**. Tick **Schedule email**, set a time and date, and then tap **Done**.

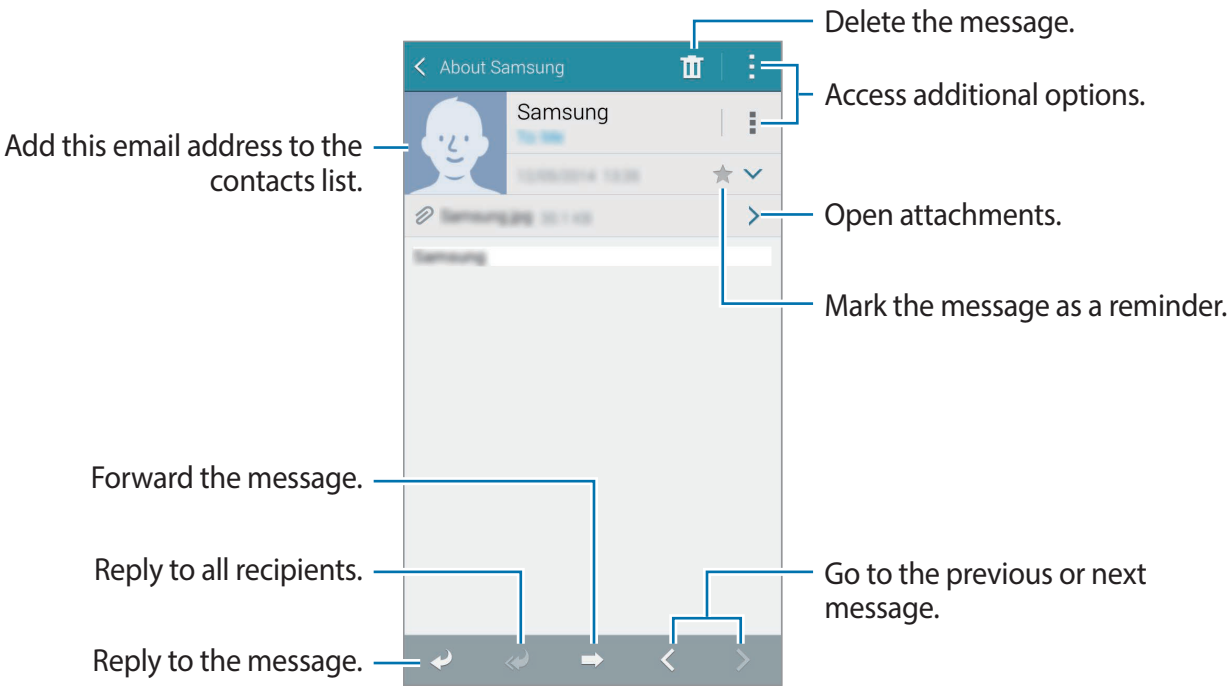
- If the device is turned off at the scheduled time, is not connected to the network, or the network is unstable, the message will not be sent.
- This feature is based on the time and date set on the device. The time and date may be incorrect if you move across time zones and the network does not update the information.

Reading messages

Tap **Email** on the Apps screen.

Tap ☰, select an email account to use, and new messages are retrieved. To manually retrieve new messages, tap ↻.

Tap a message to read.



Adding contacts to the priority list

Set contacts that you communicate with frequently as priority contacts.

Tap ☰ → **Priority senders** → **Tap to add priority senders** → **Enter email** or **Contacts**, enter email addresses or select contacts to add, and then tap **OK** or **Done**.

To add more contacts to the priority list, tap ⊕.

To remove contacts from the priority list, tap and hold a contact, tap **Edit list of priority senders**, tap ⊖ on each contact, and then tap **Done**.

Google Mail

Use this app to quickly and directly access the Google Mail service.

Tap **Google Mail** on the Apps screen.

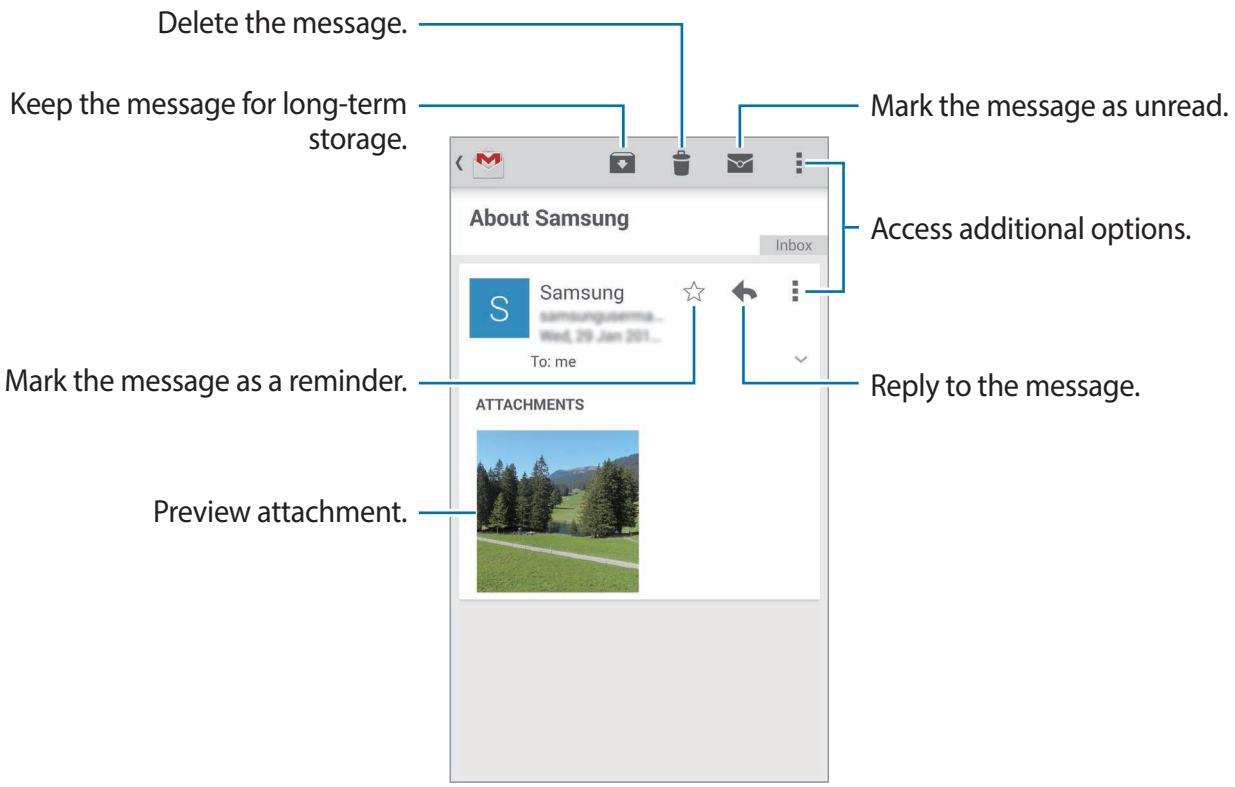
- This app may not be available depending on the region or service provider.
- This app may be labelled differently depending on the region or service provider.

Sending messages

Tap ✉+, enter recipients, a subject, and a message, and then tap ➤.

Reading messages

Tap a message to read.



Camera

Launching Camera

About launching camera

Use this app to take photos or videos.

Tap **Camera** on the Apps screen.

Use **Gallery** to view photos and videos taken with the device's camera. Refer to Viewing content on the device for details.

- When you launch **Camera** for the first time, the device may start updating the software of the camera.
- The camera automatically shuts off when unused.
- Make sure that the lens is clean. Otherwise, the device may not work properly in some modes that require high resolutions.
- To quickly take photos of special moments, launch **Camera** on the locked screen. On the locked screen, drag outside the large circle. This feature may not be available depending on the region or service provider.
- If you launch **Camera** from the locked screen, you can only view the photos taken from the locked screen.

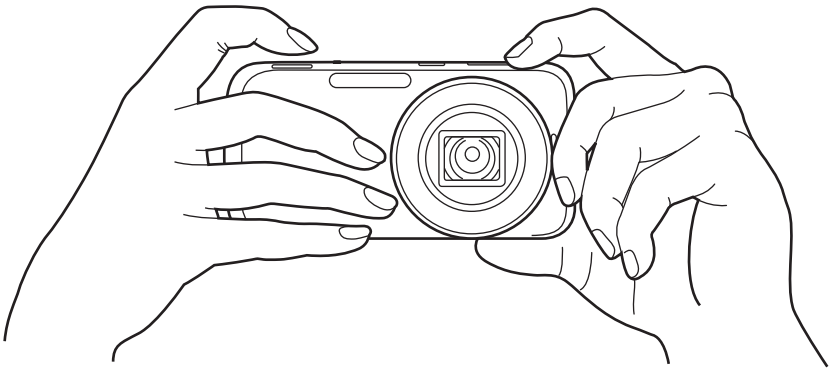
Camera etiquette

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

Launching Camera in Instant camera mode

When the screen is turned off, you can launch **Camera** by pressing and holding the Shutter button and the Volume button up simultaneously.

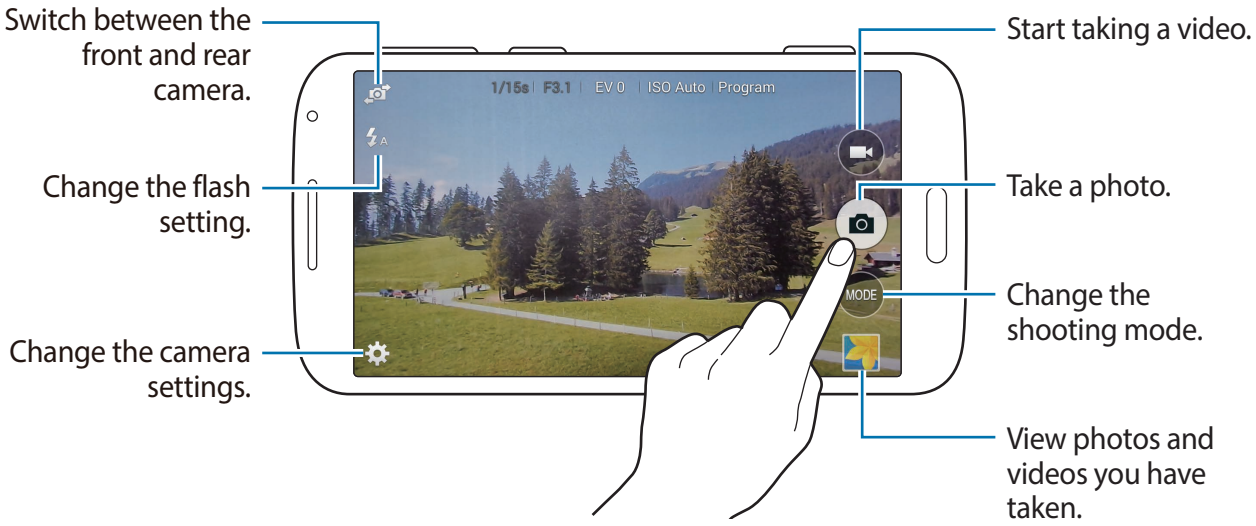
Holding the camera correctly



Make sure not to expose the lens to direct sunlight. This may discolour the image sensor, or cause it to malfunction.

Make sure not to block the screen, lens, flash, or microphone.

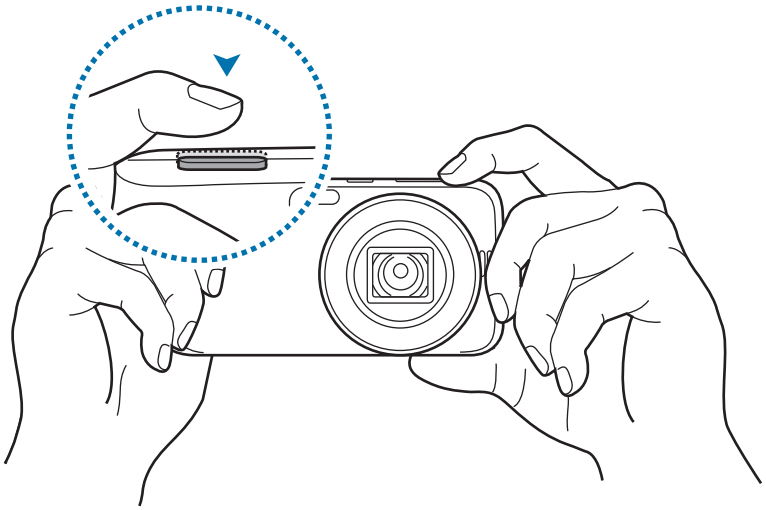
Learning the preview screen



Icon	Meaning
1/15s	Shutter speed
F3.1	Aperture value
EV 0	Exposure value
ISO Auto	ISO sensitivity
	Shooting mode

Half-pressing the Shutter button

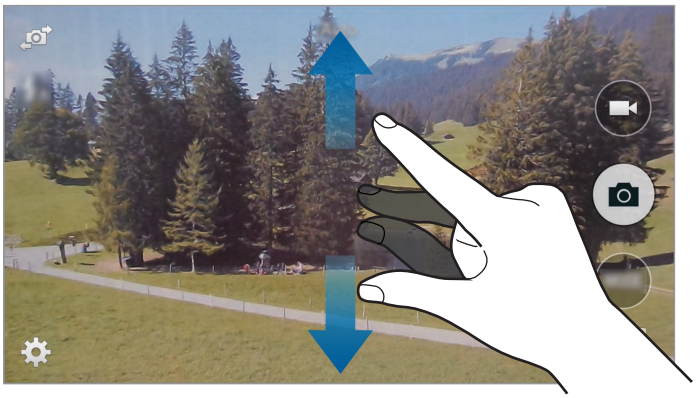
Press the Shutter button halfway down to adjust the focus. The camera adjusts the focus, exposure, and white balance automatically, and the focus frame turns green. The focus frame turns red if not focused.



Zooming in and out

Use one of the following methods:

- Use the Volume button to zoom in or out.
- Spread two fingers apart on the screen to zoom in, and pinch to zoom out.



- The zoom in/out effect is available when using the zoom feature while shooting video.
- The zoom function is not available while shooting a video using the Multi motion feature.
- When using the zoom function, the lens moves back and forth to adjust the focus before it sets the precise zoom ratio that you intend to use.
- To maintain a natural view angle, the zoom ratio increases in larger increments as it gets higher.

Taking photos

Half-press the Shutter button to focus on the subject. When the subject is in focus, the focus frame turns green. Press the Shutter button to take the photo.

Or, tap the image on the preview screen where the camera should focus. When the subject is in focus, the focus frame turns green. Tap to take the photo.

Taking videos

Tap ⏺ to take a video. To stop recording, tap ⏹.

While recording, tap where you want to focus to change the focus.

- To change the focus while taking a video, tap where you want to focus. To focus on the centre of the screen, tap ⊡.
- To capture an image from the video while recording, tap 📷.

- You can record up to 10 minutes of 1080p or 720p video at 60 fps. You can record up to 25 minutes of video at lower settings.
- When using a memory card with a slow writing speed, the device may not be able to save the video properly. It may stop recording, or recorded video frames may become corrupted.
- Memory cards with slow writing speeds do not support high-resolution video. To record high-resolution video, use memory cards with faster writing speeds (micro SDHC Class10 or higher).
- The video frame size may appear smaller depending on video resolution and frame rate.
- If you set the optical image stabiliser(OIS) option, the optical image stabiliser(OIS) sound may be recorded.
- If the zoom function is activated when taking videos, the camera may record the noise of the zoom operating. To decrease zoom noise, activate the quiet zoom feature.
- If you change the shooting angle of the camera suddenly while taking a video, the camera may not be able to record images accurately.
- If you tap the screen to change the focus manually while taking a video, the touch sound may be recorded.
- To capture an image from the video while recording, tap 📷. You can take up to six photos with the rear camera (there is no limit for the front camera).

Viewing photos and videos

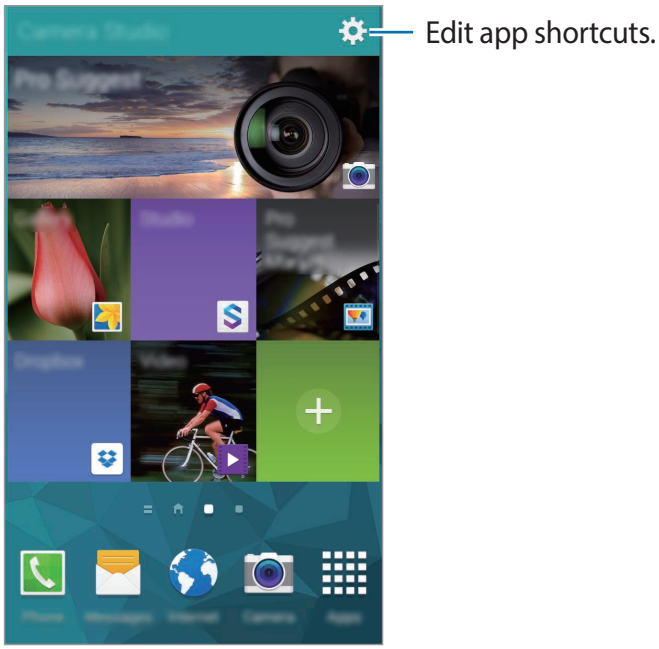
To view taken photos or videos, tap the gallery icon. Scroll left or right to view the next or previous image.

Using camera widgets

Camera Studio widget

Use this widget to access various camera-related apps.

Refer to Adding items on how to add widgets.



Picture Frame widget

Use this widget to play a slideshow on the Home screen.

Refer to Adding items on how to add widgets.

Tap **Images** to select images.

Tap **Album** to select an album.

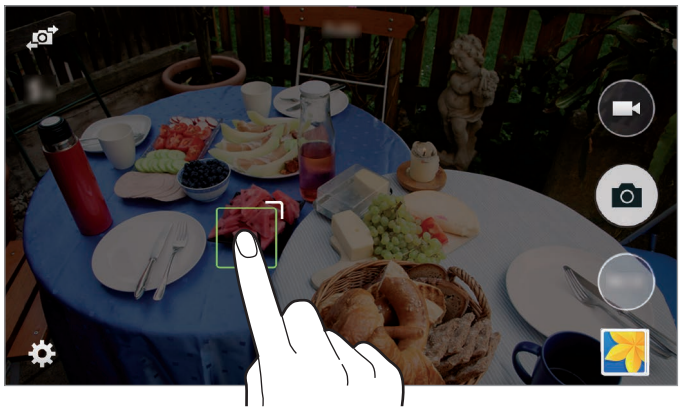
Tap **Shuffled pictures** to display images in random order.

Separating the exposure area and the focus area

If bright light affects the contrast or the subject is outside the auto focus area, use this feature to achieve an appropriate exposure. You can separate the exposure and focus areas and select the exposure level you want for the subject.

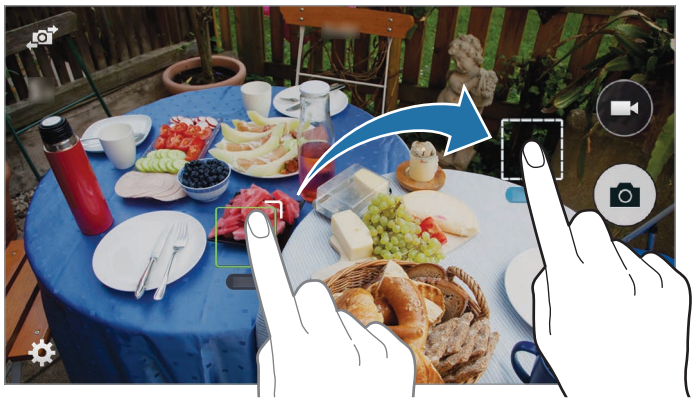
1 Tap the area to focus.

⌝ will appear at the top right of the focus frame.



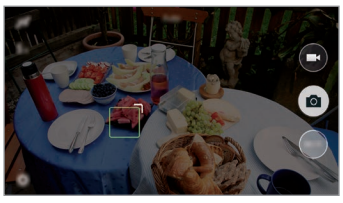
2 Drag ⌝ to the exposure area.

When you touch ⌝, the exposure area will be separated from the focus area.

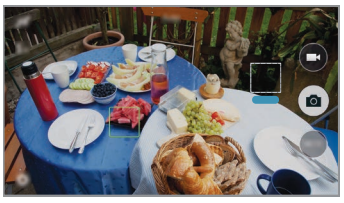


Tap and hold each area to lock the focus or exposure setting.

Drag the areas together to merge the focus and exposure areas.



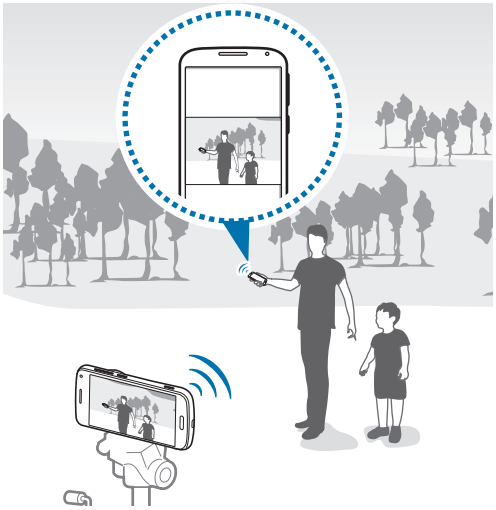
Before separating



After separating

Using remote viewfinder

Use your device as a viewfinder for another device. You can control the other device remotely to take photos or videos from a distance. Your device displays the same image that is displayed on the connected device.



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

2 Tap ⚙ → **Remote viewfinder**.

3 Tap **Easily connect via NFC** or **Wi-Fi Direct settings** to connect to another device.

- **Easily connect via NFC**: Activate the NFC feature on both devices.
- **Wi-Fi Direct settings**: Activate the Wi-Fi Direct feature on both devices.

4 Tap the image on the preview screen where the device should focus.

5 Tap ⊙ to take the photo displayed on the connected device's viewfinder.

Ensure that the device you want to connect to supports the remote viewfinder feature.

Using the shooting mode

About using the shooting mode

Various shooting modes are available with the camera. You can use them to customise your photos and videos.

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

Tap **Manage modes** to select the shooting modes to appear on the mode selection screen.

- **Auto**: Use this to allow the camera to evaluate the surroundings and determine the ideal mode for the photo.
- **Pro suggest**: Take photos with one of the automatically suggested smart modes or by applying pre-defined settings.
- **Program**: Use this to allow the camera to automatically adjust the shutter speed and aperture value so that an optimal exposure value can be achieved.
- **Beauty face**: Take a photo with lightened faces for gentler images.
- **Shot & more**: Take a series of photos and apply various effects to them. The device identifies the photos with in **Gallery**.
- **Panorama**: Take a photo composed of many photos strung together. The device identifies the photo with in **Gallery**.

  To get the best shot, follow these tips.

  - Move the camera slowly in one direction.
  - Keep the camera within the guide frame.
  - Avoid taking photos of a subject in front of unrecognisable backgrounds, such as empty skies or plain walls.
- **Virtual tour**: Take photos of a space by moving the device and shooting from different angles to create a stereoscopic image. The device identifies the photo with in **Gallery**.
- **HDR (rich tone)**: Take photos without losing details in bright and dark areas.
- **Night**: Take photos in low-light conditions, without using the flash.

- **Continuous shot**: Take a series of photos of moving subjects.
- **Selfie alarm**: Detect a face in a preset area and take multiple photos automatically. You can then select the best photo.
- **Manual**: Use this to adjust the shutter speed and aperture value manually.
- **Kids shot**: Play a funny sound to get a kid's attention when shooting.
- **Landscape**: Take photos of blue skies and landscapes with richer colours.
- **Dawn**: Take photos of the dawn sky in subtle colours.
- **Snow**: Take brighter photos of snow scenery.
- **Macro**: Take photos of very close subjects.
- **Food**: Take photos of food in more colourful tones.
- **Party/Indoor**: Take crisp indoor photos.
- **Action freeze**: Take photos of subjects moving at high speed.
- **Waterfall**: Take photos of waterfalls.
- **Animated photo**: Create a photo in which selected objects move by freezing or animating moving objects automatically detected by the camera.
- **Sound & shot**: Take a photo with sound.
- **Surround shot**: Take multiple shots of your immediate surroundings and combine them as a single spherical image. The device identifies the photo with 360 in **Gallery**.
- **Silhouette**: Take photos of dark shapes against a light background.
- **Sunset**: Take photos of the sunset.
- **Fireworks**: Take photos of fireworks.
- **Light trace**: Take photos of the light trailing in low-light conditions.

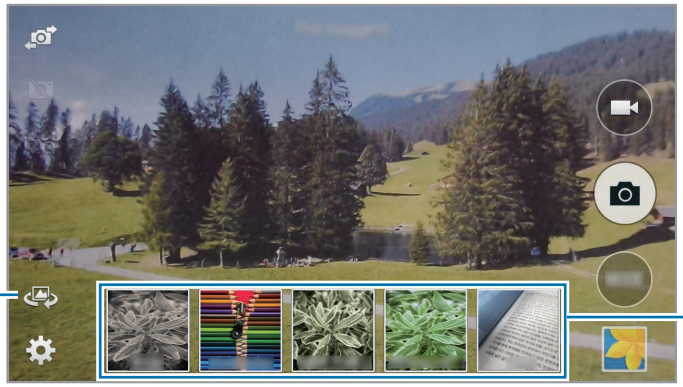
Using pro suggest mode

Use this mode to take photos with one of the automatically suggested smart modes or by applying pre-defined image settings. Image settings can be combined in a film and then applied to shots when you shoot them. You can download various films or upload your own films.

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

2 Tap **MODE** → **Pro suggest**.

3 Select a mode or film.



4 Press the Shutter button.

- If you set the current time manually, mode suggestions may not be proper.
- To use this feature, read and agree to terms and conditions.

Managing films

Download various films or upload your own films. You can also arrange films by ranking or category, view recently-uploaded films, or create your own films.

On the Apps screen, tap **Pro Suggest Market**.

- To create a film, tap , set the shooting option, and then tap . Enter details, attach sample images, and then tap **Save**.
- To search for films, tap .
- To access additional options, tap .

Using manual mode

This mode lets you adjust the shutter speed and aperture value manually. In this mode, you can fully control the exposure of your photos. This mode is useful in controlled shooting environments, such as a studio, or when it is necessary to fine-tune camera settings.

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

2 Tap **MODE** → **Manual**.

3 Set the desired shooting options.

- If you set a high ISO value or open the shutter for a long time, image noise may increase.
- The longer you open the shutter, the longer it takes to save a photo. Do not turn the camera off while the camera saves a photo.
- You can select one of two different aperture values. Available values vary depending on the zoom ratio.

Using selfie alarm mode

Use this to detect a face in a preset area and to take multiple photos automatically. You can then select the best photo.

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

2 Tap **MODE** → **Selfie alarm**.

3 Drag or adjust the frame to set a detection area.

4 Compose your shot with the lens facing you.

5 Listen to the beeps to guide you as you adjust the composition.

When a face is completely inside the detection area, the camera emits a warning tone, beeps for two seconds, and then automatically takes multiple photos.

6 Select the best photo, and then tap .

Using HDR (rich tone) mode

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

On the Apps screen, tap **Camera** → **MODE** → **HDR (rich tone)**, and then take a photo.

Without effect

With effect

Tap ⚙ → **Save as** to save one HDR photo or two photos (one with the HDR effect and one with the regular exposure).

Using animated photo mode

Use this to create a photo in which selected objects move by freezing or animating moving objects automatically detected by the camera.

1. Tap **Camera** on the Apps screen.
2. Tap **MODE** → **Animated photo**.
3. Press the Shutter button to take a photo.
4. Tap **Edit** and adjust the playback speed, the range to trim, or change the direction of the animation. Tap **Freeze**, and then rub the screen to freeze or animate the detected moving objects.
5. Tap 🖫 to save the photo.

Using surround shot mode

Use this mode to take multiple shots of your immediate surroundings and combine them as a single spherical image.

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

2 Tap **MODE** → **Surround shot**.

A target pointer appears on the screen.

3 Move the device to locate the target pointer to the area where you want to the first shot.

4 Hold the target pointer inside the circle on the preview screen until you take the first shot.

5 To take another shot, locate the next target pointer and position it inside the circle again. You can view the position of the photos you have taken on the sphere at the bottom left of the screen.

6 To stop shooting, tap ◉ to finish taking photo.

Using virtual tour mode

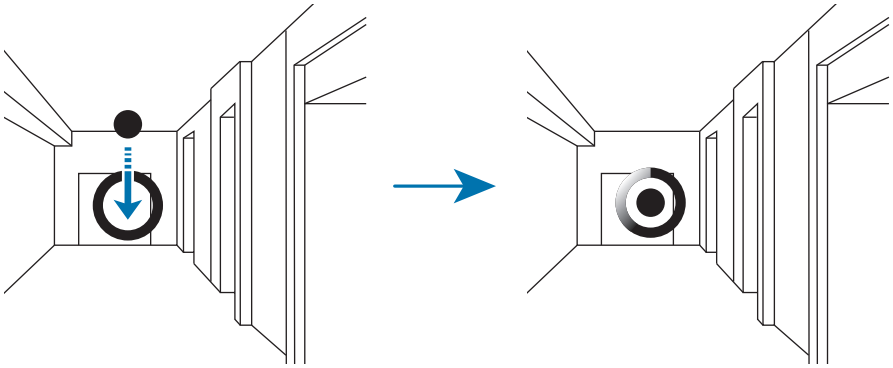
About virtual tour mode

Use this shooting mode to take photos in a space by moving forwards, or rotating left or right. Photos of the space are taken from different angles. You can view the photos in a slideshow and simulate actually moving through the space.

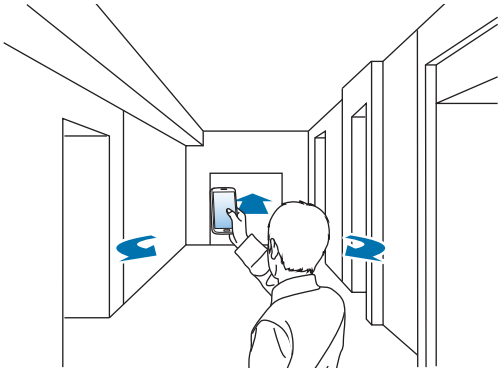
1 Tap **Camera** on the Apps screen.

2 Tap **MODE** → **Virtual tour**.

3 Move with the device to position the dot inside the large circle in the centre of the preview screen. The device detects when you stop and starts to take photos from that position in the space.



4 Move slowly forwards, or rotate left or right while taking photos. Whenever the dot is inside the large circle, the device takes a photo automatically.



5 Move with the device slowly in the direction of the arrow. When the dot is in the centre of the large circle, the device starts taking photos. Repeat this action to take more photos.

To see a preview of the photo, tap 〉 at the bottom left of the screen. The direction where images were taken is displayed on each preview thumbnail.

To delete the last photo that was taken, tap **Undo**.

6 To finish, tap ■.

Viewing photos

View a series of photos taken from different locations and directions.

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

2 Select an image with the icon on the image thumbnail.

Using shot & more mode

Use this mode to take a series of photos and modify them by applying various effects using the shooting modes.

The zoom function is not available while taking photos in this mode.

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

2 Tap **MODE** → **Shot & more**.

3 Press the Shutter button.

The device takes a series of photos and displays the available shooting modes.

4 Select a shooting mode and apply an effect to the photos. The available modes vary depending on the photo you take.

- **Best photo**: Take a series of photos and save the best one. To view other photos in the series, scroll left or right. The device recommends the best photo and identifies it with .
- **Best face**: Take multiple group shots at the same time and combine them to create the best possible image. Tap the white frame on each face and choose the best individual pose for each subject from the poses that appear at the bottom of the screen. Then, merge the images into a single photo. The device recommends the best photo and identifies it with .
- **Eraser**: Erase moving objects in the background. Tap to erase moving objects. Tap to restore the original photo.
- **Drama shot**: Take a series of photos and combine them to create an image that shows motion trails.
- **Panning shot**: Apply an effect to the subject's background that makes the subject appear to be moving fast. Tap **Objects** to select a subject. Tap **Motion blur** to change the angle of blurring to apply to the background. Tap and draw a circle with your finger around the large circle to adjust the angle of blurring. To adjust the level of background blurring, drag the screen to the left or the right.

5 Tap .

Configuring settings

About configuring settings

On the Apps screen, tap **Camera** → ⚙. Not all of the following options are available in both still camera and video camera modes. The available options vary depending on the mode used.

- **Shutter speed**: Adjust the shutter speed to capture photos of fast-moving subjects or create tracer effects in a photo.
- **Aperture**: Adjust the aperture value to take portraits, flowers, or landscape shots.
- **EV**: If the exposure set by the camera is higher or lower than you expected, you can adjust the exposure value manually.
- **ISO**: The ISO sensitivity value represents the sensitivity of the camera to light. The higher the ISO sensitivity, the more sensitive the camera is to light. Consequently, by selecting a higher ISO sensitivity, you can take photos in dim or dark places at faster shutter speeds. However, this may increase electronic noise and result in a grainy photo.
- **WB (light source)**: Select an appropriate white balance, so images have a true-to-life colour range.
- **Flash**: To take a realistic photo of a subject, the amount of light should be constant. When the light source varies, you can use a flash and supply a constant amount of light.
- **Focus mode**: Use this option to select a focus mode appropriate to the subject.
- **Drive mode**: Use this option to set the shooting method. Continuous shots are recommended for shooting the rapid motion of fast moving subjects, such as racing cars.
- **Sync films**: Set when to sync film data with the server.
- **Timer**: Use this option for delayed-time shots.
- **Detection display**: Set the device to display an icon that represents a detected scene.
- **Tap to take pics**: Tap the subject on the preview screen to take photos.
- **Save as**: Use this to save one HDR photo or two photos (one with the HDR effect and one with the regular exposure).
- **Focus area**: Use this option to change the positions of the focus area.

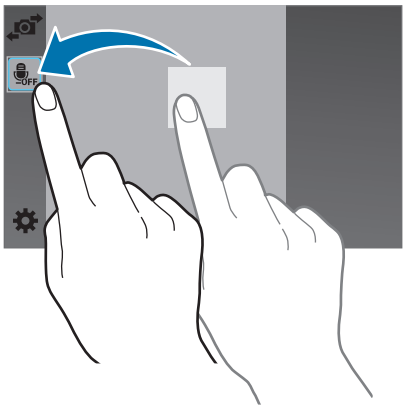
- **Face detection**: Set the device to recognise people's faces and help you take photos of them.
- **Picture size**: Select a resolution. Use higher resolution for higher quality. But it takes up more memory.
- **Quality**: Use this option to select a higher photo quality for better photos. Selecting a higher photo quality also increases the file size.
- **Auto contrast**: Use this option to improve contrast automatically in photos with backlit subjects or high contrast between subjects and backgrounds.
- **Metering**: Select a metering method. This determines how light values are calculated.
  - **Multi** averages the entire scene.
  - **Spot** measures the light value at a specific location.
  - **Centre-weighted** measures background light in the centre of the scene.
- **Adjust image**: Use this option to adjust the colour, saturation, sharpness, or contrast of your photos.
- **OIS (anti-shake)**: Use the Optical Image Stabiliser (OIS) option to reduce or eliminate blurriness from camera shake.
- **Effects**: Use the filter effects to take unique photos or videos.
- **Signature**: Use this option to add your signature to an image.
- **Photo Suggest**: Use this option to view photos taken by other users of points of interest near your current location.
- **Voice control**: Set the device to take photos with voice commands.
- **Movie size**: Select a resolution for videos. Use higher resolution for higher quality. Higher resolution videos take up more memory.
- **Multi motion**: Set the playback speed of videos.
- **Sound**: Use this to decrease noises made by the device or mute sound when taking videos.
- **Windcut**: Remove wind noise from a recording.
- **Remote viewfinder**: Set a device to control the camera remotely.
- **Help**: Access help information for using the camera.

Reorganising camera shortcuts

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

2 Tap and hold an item and drag it to a slot at the left of the screen.

You can reorganise camera shortcuts for fast and easy access on the preview screen.



Shutter speed

Shutter speed refers to the amount of time it takes to open and close the shutter. Adjust the shutter speed to capture photos of fast-moving subjects or create tracer effects in a photo.

A slow shutter speed allows more time to let light in, so the photo becomes brighter. This adds a motion blurring effect to moving objects. A fast shutter speed allows less time to let light in and the photo becomes darker and more easily freezes subjects in motion.

Tap ⚙, and then rotate the **Shutter speed** dial to adjust the shutter speed.

Aperture

The size of the aperture is represented by a value known as an "F-number." The smaller the f-number, the greater the size of the aperture. Adjust the aperture value to take portraits, flowers, or landscape shots.

Select a lower aperture value to make the photos brighter. Select a higher aperture value to make the photos darker.

Tap ⚙, and then rotate the **Aperture** dial to adjust the aperture value.

EV

The camera automatically sets the exposure by measuring the levels of light from the photo's composition and the position of a subject. If the exposure set by the camera is higher or lower than you expected, you can adjust the exposure value manually.

Tap ⚙, and then rotate the **EV** dial to adjust the exposure value.

Darker (-) Neutral (0) Brighter (+)

- When taking a photo, if the appropriate exposure value cannot be decided, tap ⚙ → **Drive mode** → **AE BKT** to take three consecutive photos with different exposure values.
- Taking photos with higher exposure values may result in blurry photos due to the slower shutter speed.

WB (light source)

The White balance represents the light source that influences on the colour of a photo.

The colour of a photo depends on the type and quality of the light source. If you want the colour of your photo to be realistic, select an appropriate lighting condition to calibrate the white balance, or adjust the colour temperature manually. You can also adjust colour for the preset light sources so that the colours of the photo match the actual scene under mixed lighting conditions.

Tap ⚙ → **WB (light source)**, and select an option.

- **Custom**: Use this to set a customised white balance for the lighting conditions of your photo. You can appropriately adjust your colours for the actual scene. Tap 〉, aim the lens at a piece of white surface, and then press the Shutter button.
- **K**: Use this to manually adjust the colour temperature of the light source. Colour temperature is a measurement in degrees Kelvin that indicates the specific type of light source. You can get a warmer photo with a higher value, and a cooler photo with a lower value. Tap 〉, and then drag the slider or tap ⊞ or ⊟ to adjust the colour temperature.

Drive mode

Use this option to set the shooting method. Continuous shots are recommended for shooting the rapid motion of fast moving subjects, such as racing cars.

Tap ⚙ → **Drive mode**, and select an option.

- Saving photos may take longer depending on the memory card's capacity and performance when taking photos continuously.
- Prevent the camera from shaking when taking photos continuously.

Face detection

Detecting faces

The camera automatically detects up to 10 human faces in one scene.

Tap ⚙ → **Face detection** → **Normal**.

Aim the camera at a human subject. The camera automatically focuses on their face and displays a yellow frame around it. Press the Shutter button to take a photo.

Taking a smile shot

The camera automatically detects a smiling face, and releases the shutter.

Tap ⚙ → **Face detection** → **Smile shot**.

Aim the camera at a human subject, and press the Shutter button. When the camera detects a smiling face, the camera automatically takes the photo.

Detecting eye blinking

The camera takes three photos of a person in succession and saves a photo in which the person's eyes are open.

Tap ⚙ → **Face detection** → **Blink detection**.

Aim the camera at a human subject, and press the Shutter button. The camera takes three photos of a person in succession and saves a photo in which the person's eyes are open. If the person's eyes are closed in all the three photos, the camera asks you whether to save one photo.

OIS (anti-shake)

Use the Optical Image Stabiliser (OIS) feature to reduce or eliminate blurriness from camera shake.

Tap ⚙ → **OIS (anti-shake)**.

Before correction

After correction

- This feature may not function properly in the following conditions:
  - When you move the camera to follow a moving subject.
  - If the camera is shaking too much.
  - When the shutter speed is slow (for example, when taking photos in low-light conditions).
  - If the battery power is low.
  - When you take close-up photos.
- The display may be blurry if the camera is hit or dropped. When this happens, restart the device.

Tracking AF

Track your subject, even when the subject is moving or when you change the shooting composition.

Tap ⚙ → **Focus area** → **Tracking AF**, and select a subject.

Tap the subject to track, and then press the Shutter button halfway down to adjust the focus.

- Tracking a subject may fail in the following conditions:
  - The subject is too small.
  - The subject moves excessively.
  - The subject is backlit or you are shooting in a dark place.
  - Colours or patterns on the subject and the background are the same.
  - The subject includes horizontal patterns, such as blinds.
  - The camera shakes excessively.
- If the camera fails to track the subject, the focus area will be reset.
- If the camera fails to focus, the focus frame will change to red and the focus will be reset.

Configuring general settings

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

- **Camera function volume**: Adjust the volume level for camera function sounds.
- **Beep**: Activate or deactivate beep sounds.
- **Grid lines**: Display viewfinder guides to help composition when selecting subjects.
- **Auto close Camera**: Set the length of time the device waits before turning off the display's backlight.
- **Review pics/videos**: Briefly display photos or videos taken.
- **Date/time Imprint**: Use this to imprint the time and date on photos.
- **Location tags**: Attach a GPS location tag to the photo.

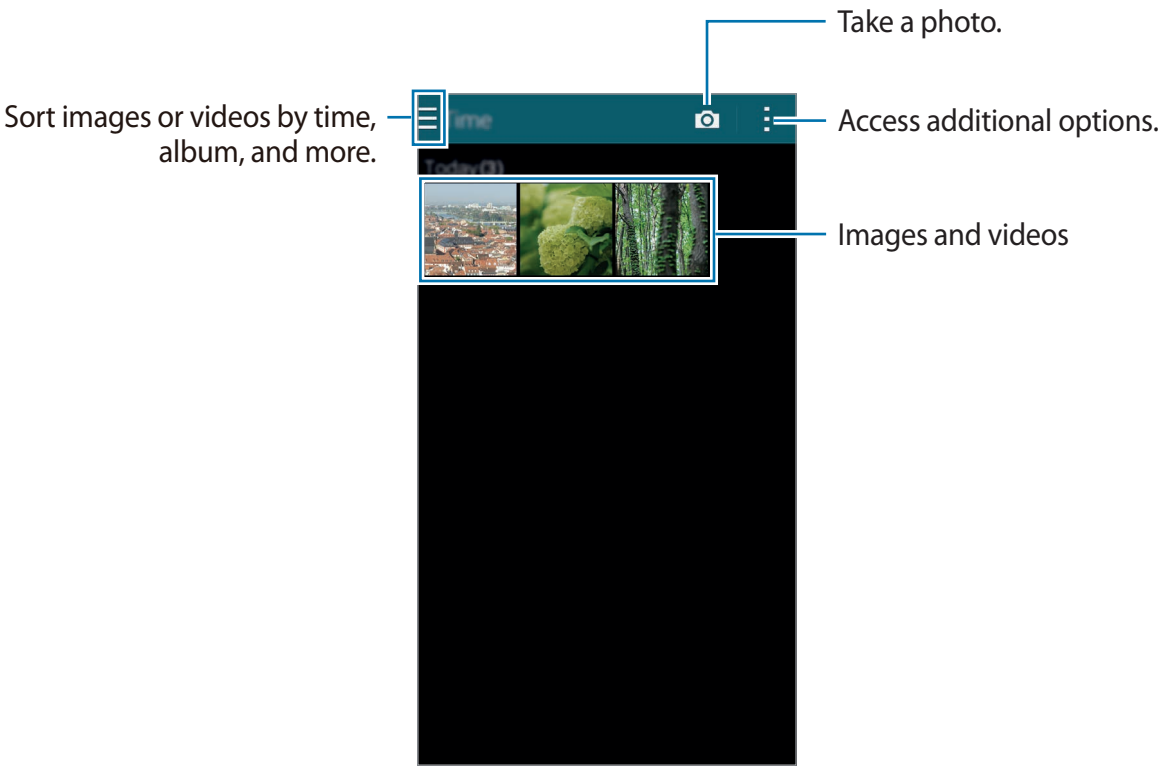
  - To improve GPS signals, avoid shooting in locations where the signal may be obstructed, such as between buildings or in low-lying areas, or in poor weather conditions.
  - Your location may appear on your photos when you upload them to the Internet. To avoid this, deactivate the GPS tag setting.

- **AF lamp**: Use this to activate the AF-assist light in low-light conditions.
- **Digital zoom**: Set the device to use the digital zoom feature.
- **Start mode**: Select the shooting mode to use when the camera turns on.
- **Storage location**: Select the memory location for storage.
- **Reset settings**: Reset the camera settings.

Gallery

Viewing content on the device

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



2 Select an image.

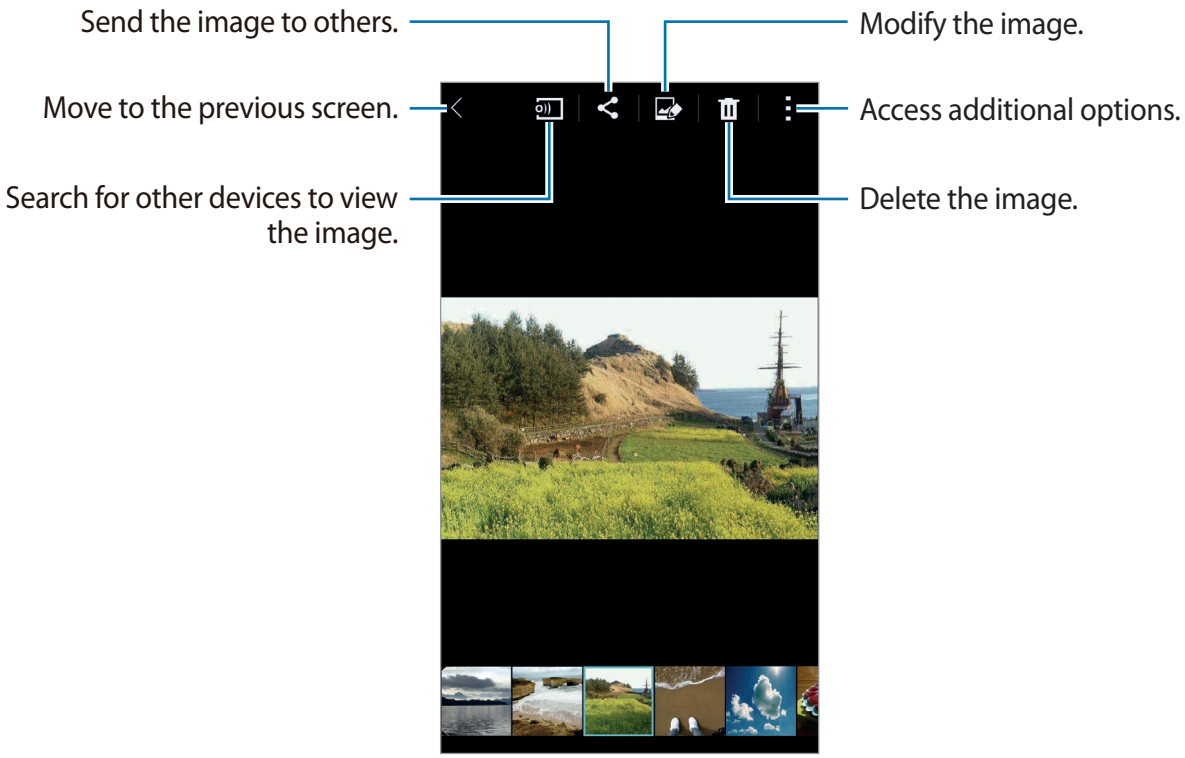
- Selecting multiple images:

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

- Selecting all images:

  When you tap and hold an image, ✓ appears on the image. Then, tick **Select all**.

3 Select an option.



Viewing content stored on other devices

You can view content stored on other devices if the devices are registered with Samsung Link. Sign in to your Samsung account to view a list of other devices that have content available to view. Ensure that the registered devices are turned on and connected to a Wi-Fi or mobile network. Visit link.samsung.com for more information.

You may incur additional charges when you access content stored on other devices via the mobile network. To avoid additional charges, use the Wi-Fi feature.

Tap ☰, select a device under **REGISTERED DEVICES**, and then select content.

Accessing additional options

Use additional options, such as sorting content, viewing slideshows, and more.

On the Apps screen, tap **Gallery** → , and then use the following options:

- **Select**: Select images or videos.
- **Delete**: Delete images or videos.
- **Sort by oldest** / **Sort by latest**: Sort images or videos by oldest or newest.
- **Create album**: Create a new album.
- **Re-order albums**: Change the order of albums.
- **Content to display**: Select the images or videos to display.
- **Slideshow**: Start a slideshow with the images in the current folder.
- **Studio**: Edit images or videos in studio mode.
- **Settings**: Change the Gallery settings.
- **Help**: Access help information for Gallery.

Tagging faces

Register the faces in the image as face tags.

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

2 Tap → **Settings**, and then tick **Face tag**.

A white frame appears around the recognised face.

3 Tap the face and tap **Add name**.

4 Select or add a contact to the tag.

When the face tag appears on an image, tap the face tag and use available options, such as making calls or sending messages.

Face recognition may fail depending on the face angle, face size, skin colour, facial expression, light conditions, or accessories the subject is wearing.

Using Tag buddy

Tag buddy allows you to tag photos with information, such as locations and dates.

To activate Tag buddy, on the Apps screen, tap **Gallery** → → **Settings** → **Tag buddy**, and then drag the **Tag buddy** switch to the right.

Select from the following tag options:

- **Date**: Add the time and date. The tagged information is based on the date and time currently-set on the device.
- **Location**: Add location details to photos that you take. Before using this feature, activate the GPS feature in **Camera**.

You can edit the information entered using Tag buddy. While viewing an image with tags, tap the tag information at the bottom of the screen. Then, tap , edit details, and then tap **Done**.

Studio

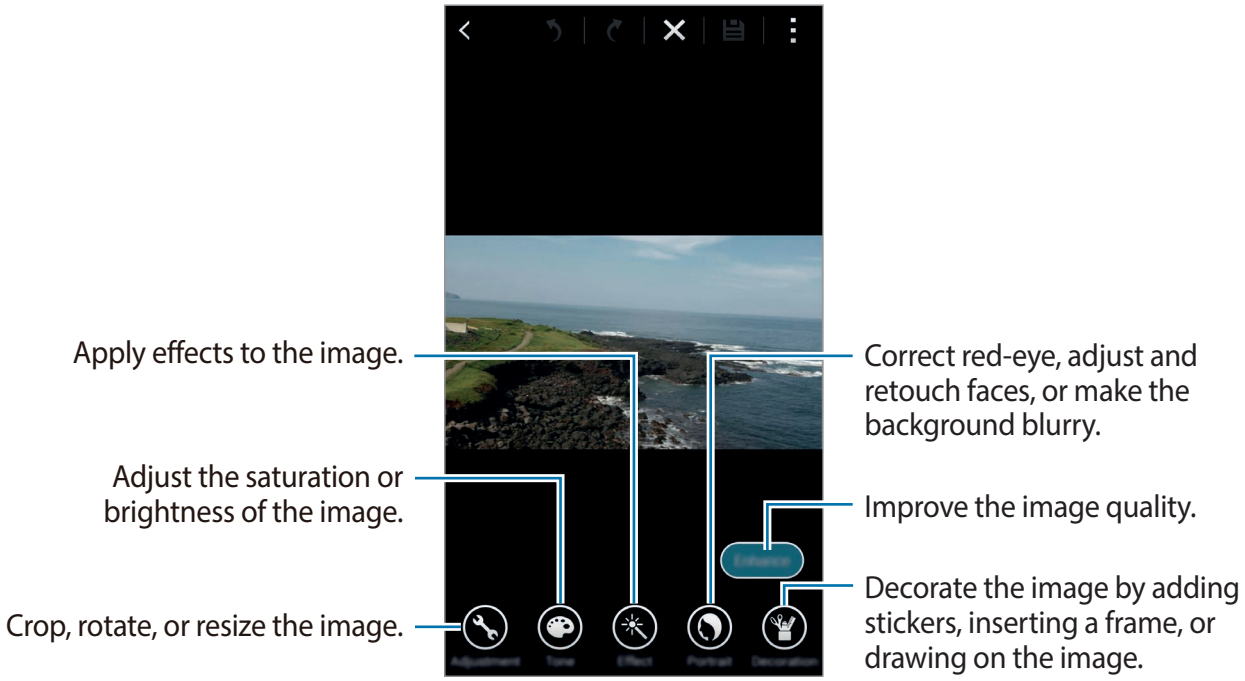
Using Photo studio

Edit images by applying various effects.

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

2 Tap **Photo studio**, and then select an image.

3 Edit the image by applying various effects.



4 Tap **Done** → 🖫.

5 Select a save option and tap **OK**.

The edited photo is saved in the **Studio** folder. To open the folder, tap **Gallery** → ☰ → **Album** → **Studio**.

Using Collage studio

Combine several images together to create a collage.

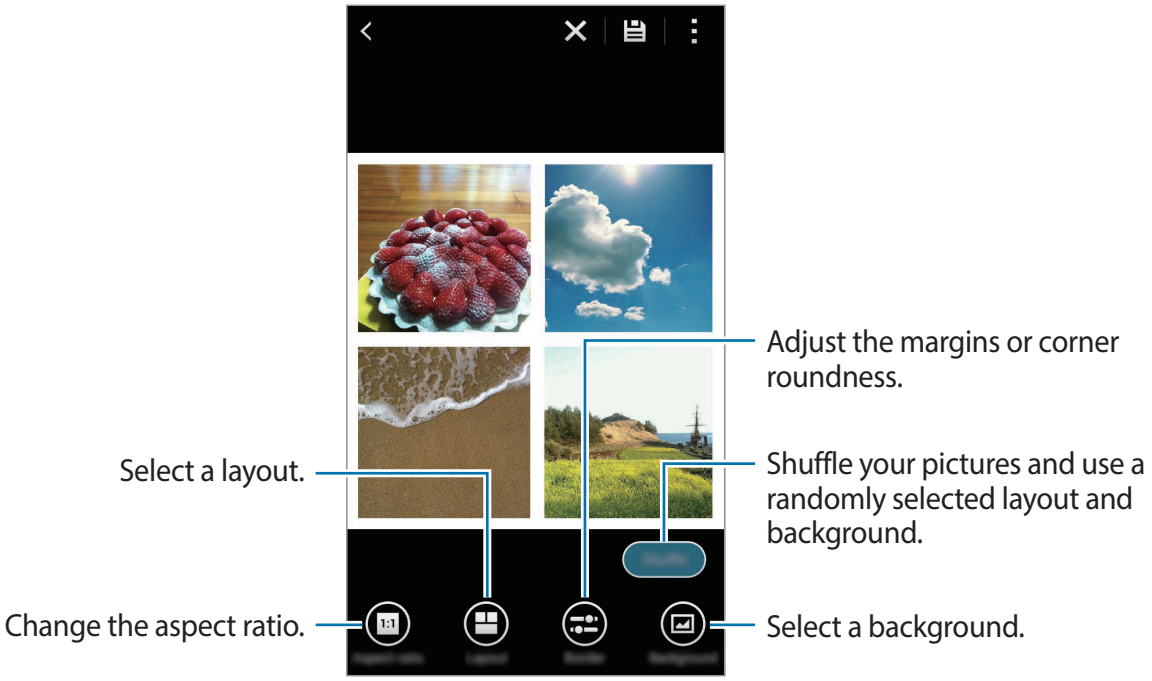
1 Tap **Studio** on the Apps screen.

2 Tap **Collage studio**.

3 Select images to combine and tap **Done**.

You can select up to six images.

4 Edit the image by applying various effects.



5 Tap .

The edited image is saved in the **Studio** folder. To open the folder, tap **Gallery** → ☰ → **Album** → **Studio**.

Using Shot & more

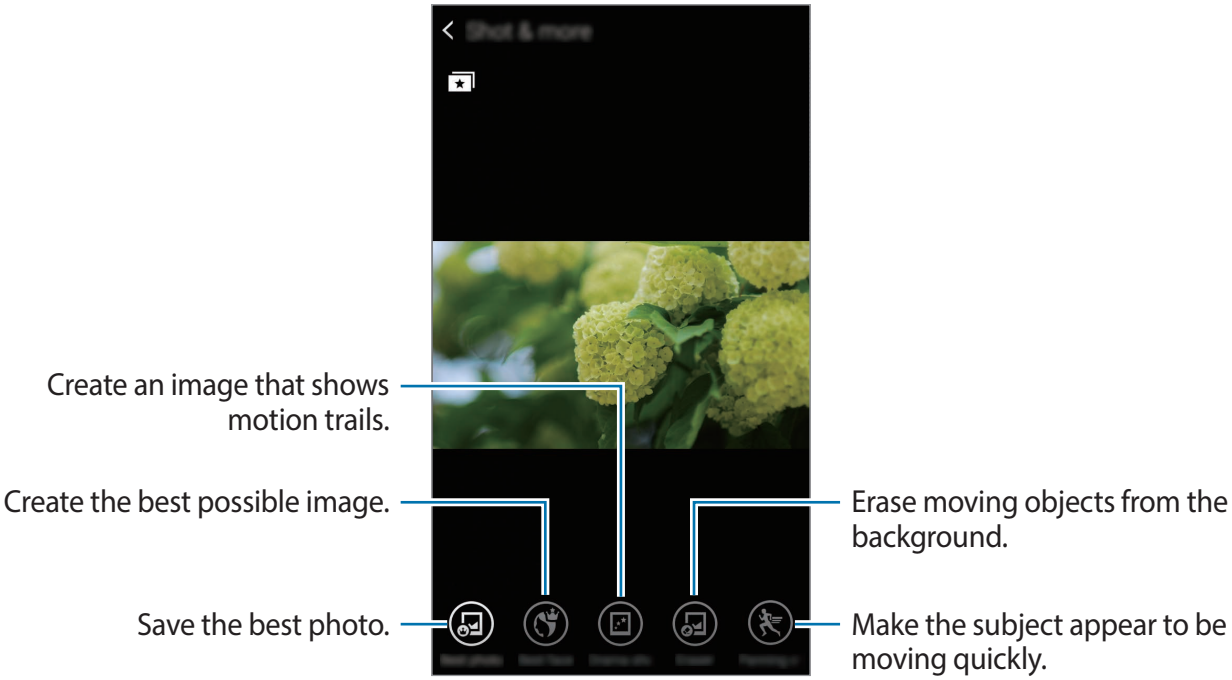
Apply various effects to the images you have taken.

Only photos taken in shot & more mode can be selected.

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

2 Tap **Shot & more**, and then select an image.

3 Edit the image by applying various effects.



4 Tap .

The edited image is saved in the **Studio** folder. To open the folder, tap **Gallery** → ☰ → **Album** → **Studio**.

Using Video clip studio

Edit or create videos with multiple images.

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

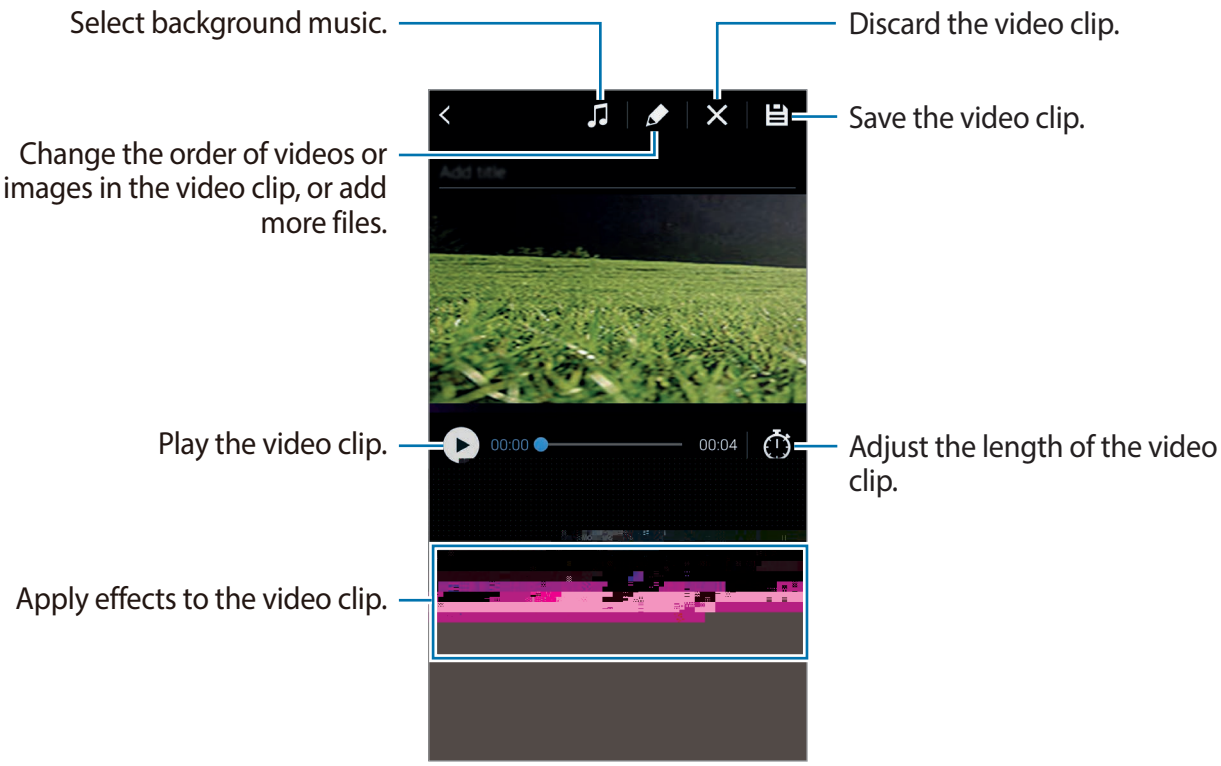
1 Tap **Studio** on the Apps screen.

2 Tap **Video clip studio**.

3 Select videos to edit and tap **Done**.

You can also select images to create a video.

4 Edit the video by applying various effects.



5 Tap .

6 Select a save option and tap **Done**.

The edited video is saved in the **Studio** folder. To open the folder, tap **Gallery** → ☰ → **Album** → **Studio**.

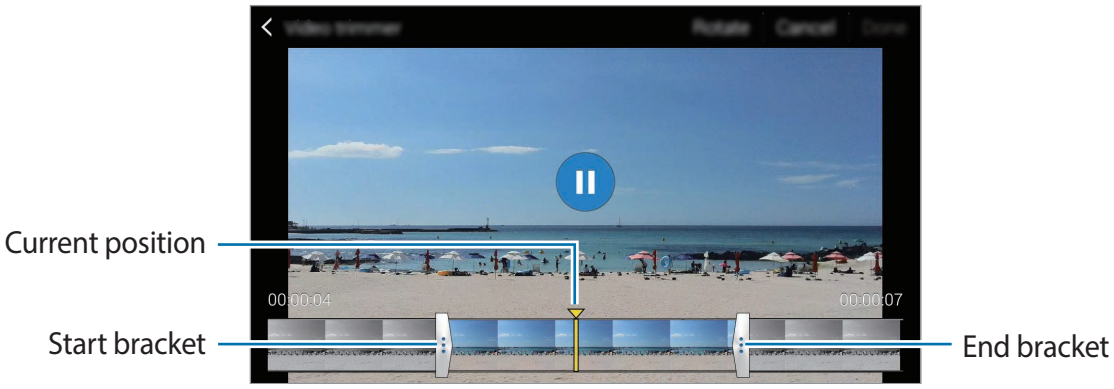
Using Video trimmer

Trim video segments.

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

2 Tap **Video trimmer**, and then select a video.

3 Move the start bracket to the desired starting point, move the end bracket to the desired ending point, tap **Done**.



4 Enter a filename, and then tap **OK** to save the video.

Internet & SNS

Internet

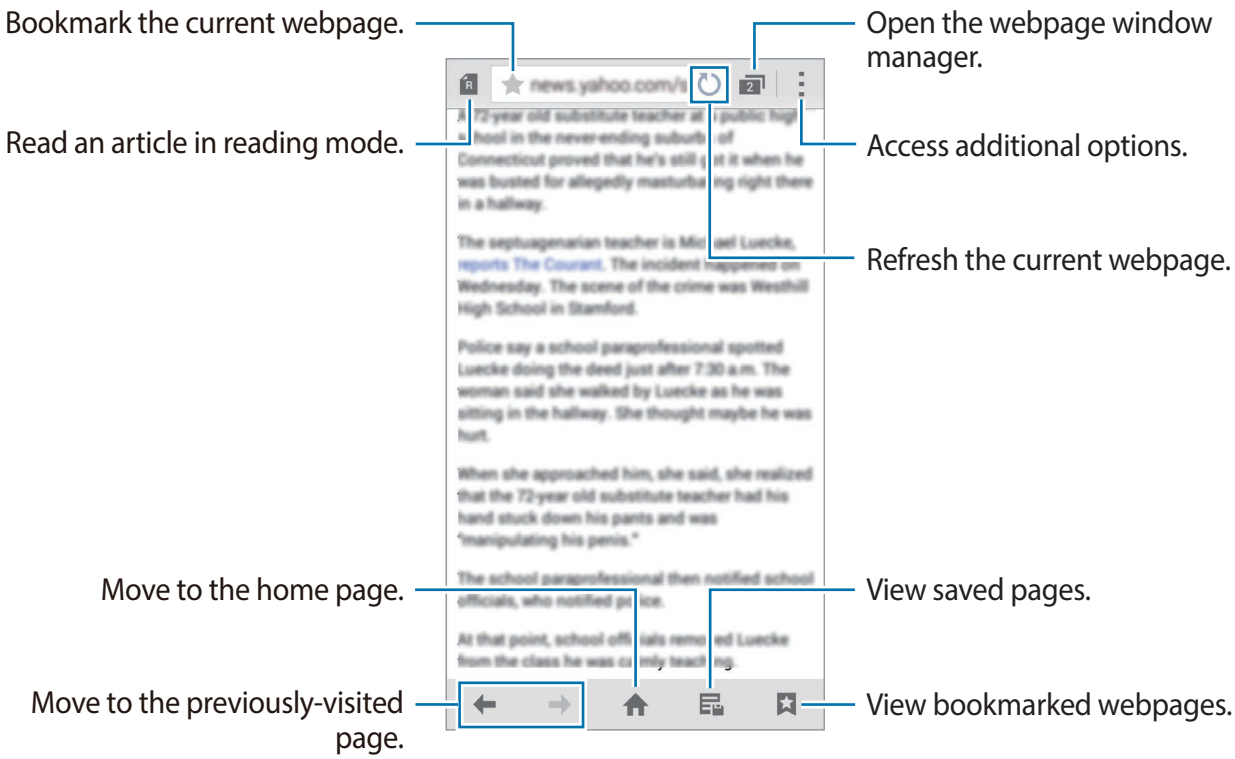
Browsing webpages

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

2 Tap the address field. To change the search engine, tap the search engine icon next to the web address field.

3 Enter the web address or a keyword, and then tap **Go**. To search the web by voice, tap .

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



Managing favourite webpages

You can set frequently-used webpages as favourite pages and then access them quickly.

Tap **Internet** on the Apps screen.

Tap ⌂ to view the quick access list.

To add a webpage to the quick access list while viewing a webpage, tap ⋮ → **Add to Quick access**.

To delete a webpage from the quick access list, tap and hold a webpage icon, and then drag it to **Delete** that appears at the top of the screen.

Managing the webpage history

Tap **Internet** on the Apps screen.

Tap ★ → **History** to open a webpage from the list of recently-visited webpages.

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

To delete webpages in the history, tap → **Delete**, select webpages to delete, and then tap **Done**.

Chrome

Use this app to search for information and browse webpages.

Tap **Chrome** on the Apps screen.

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

Tap the address field, enter the web address or a keyword, and then tap **Go**.

Hangouts

Use this app to chat and socialise with your friends individually or in groups.

Tap **Hangouts** on the Apps screen.

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

Select a friend from the friends list or enter data to search and select a friend from the results to start chatting.

Voice features

S Voice

About S Voice

Use this app to command the device by voice to perform various features.

Tap **S Voice** on the Apps screen. Alternatively, press the Home button twice.

To deactivate the access by pressing the Home button, tap → **Settings**, and then deselect **Open via the home key**.

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

Setting the language

Tap → **Settings** → **Language**, and then select a language.

The selected language is applied to **S Voice** only, not to the device's display language.

Using S Voice

When you launch **S Voice**, the device starts voice recognition and the microphone icon turns red.

Say a voice command.

If you say a command and the device recognises it, the microphone icon at the bottom of the screen flashes green. Then, the device performs the command.

Tips for better voice recognition:

- Speak clearly.
- Speak in quiet places.
- Do not use offensive or slang words.
- Avoid speaking in dialectal accents.

The device may not recognise your commands or may perform unwanted commands depending on your surroundings or how you speak.

Waking up S Voice in standby mode

If S Voice is not used for a certain period, it automatically switches to standby mode.

Tap the microphone icon or say "Hi Galaxy" to the device to resume voice recognition.

Changing the wake-up command

You can change the wake-up command from "Hi Galaxy". The wake-up command is used to launch **S Voice** when the device is in standby mode.

Tap → **Settings** → **Voice wake-up** → **Set wake-up command**.

Correcting unwanted voice commands

You can edit the voice commands if the device does not recognise them correctly.

To correct a voice command, tap the last speech bubble that contains your spoken text and edit the text with the keyboard.

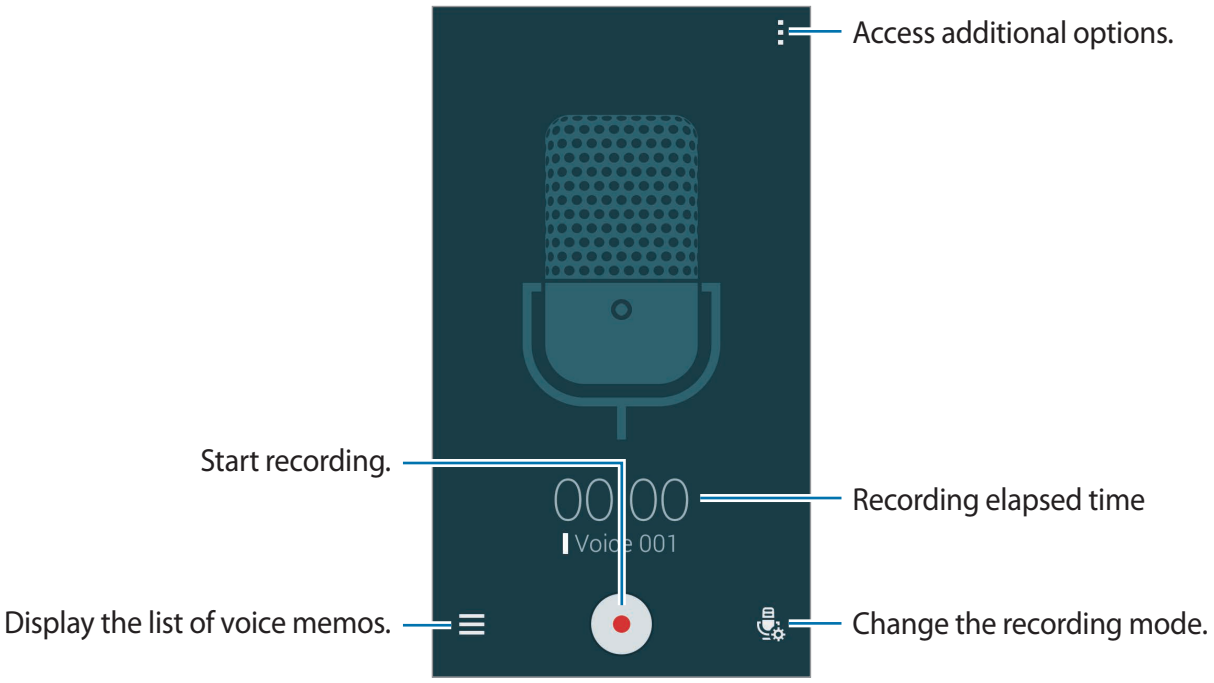
Voice Recorder

Recording voice memos

Tap **Voice Recorder** on the Apps screen.

Tap ● to start recording. Speak into the microphone. Tap ⏸ to pause recording. To cancel recording, tap ✕. Tap ■ to finish recording.

While recording a voice memo, tap ★ to insert a bookmark.



To set the device to remove background noise, tap → **Settings**, and then tick **Noise reduction**.

Saving files with contextual tags

Add contextual tags, such as locations and dates, to filenames when saving voice memos.

Tap → **Settings**, and then tick **Contextual filename**. The device adds the recording date to a filename. To add the location where a voice memo is recorded, tap → **Settings**, and then tick **Location tags**.

Playing voice memos

Tap **Voice Recorder** on the Apps screen.

Tap ☰ and select a voice memo to play.

- ✂ : Trim the voice memo.
- Ⓐ Ⓑ : Set a portion of the voice memo for looped play.
- **x1.0** : Adjust the playback speed.
- : Skip a silent portion in the voice memo.
- : Insert bookmarks on the voice memo.
- ⏸ / ▶ : Pause or resume playback.
- ⏮ / ⏭ : Skip to the previous or next voice memo.

Using the bookmarks list

You can mark specific points in a voice memo with bookmarks. Each bookmark is marked with a bookmark icon on the voice memo.

To view the bookmark details while a voice memo is playing, tap → **Bookmarks**. Select a bookmark from the bookmark list to play the voice memo from that position.

Managing voice memos

On the Apps screen, tap **Voice Recorder** → ☰.

Tap 🔍 to search for voice memos.

Tap to delete voice memos.

Tap and select one of the following:

- **Select**: Select voice memos to share or delete.
- **Sort by**: Sort memos by date, title, or category.
- **Filter by category**: View memos filtered by a category.
- **Edit categories**: Add, delete, or rename categories.
- **Settings**: Change the voice recorder settings.

Renaming voice memos

Tap and hold the voice memo, tap → **Rename**, enter the name for the voice memo, and then tap **OK**.

Managing categories

Tap → **Edit categories** → , enter a category name, select a colour, and then tap **Done**.

To change or assign voice memo categories, in the list of voice memos, tap and hold the voice memo. Then, tap → **Change category**, and then select the category.

To filter voice memos by category, tap → **Filter by category**, and then select the category.

Voice Search

Use this app to search webpages by speaking.

Tap **Voice Search** on the Apps screen.

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

Say a keyword or phrase when **Speak now** appears on the screen.

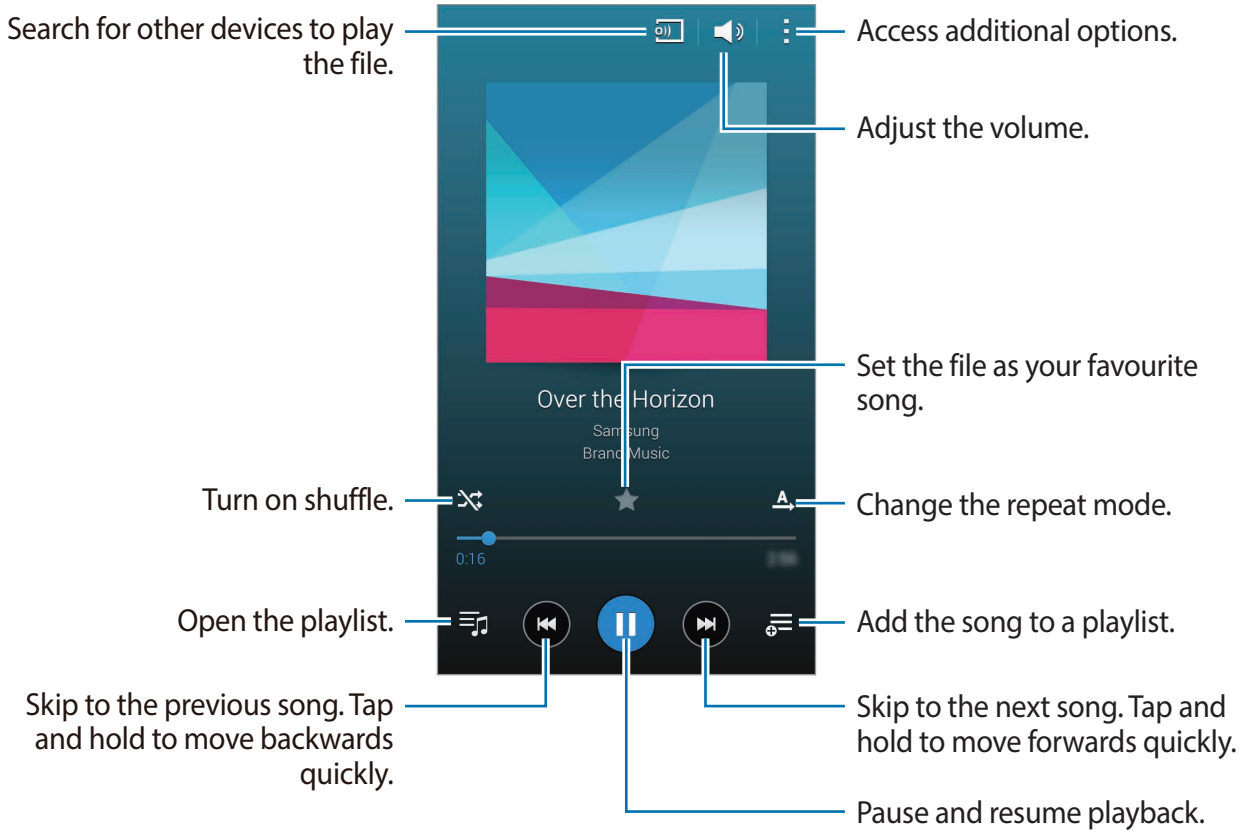
Multimedia

Music

Playing music

Tap **Music** on the Apps screen.

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



To listen to songs at equal volume levels, tap → **Settings**, and then tick **Smart volume**.

When **Smart volume** is activated, the volume may end up louder than the device volume level. Use caution to avoid long-term exposure to loud sounds to prevent damage to your hearing.

Smart volume may not be activated for some files.

To set a personalised sound while listening to songs with a headset, tap → **Settings** → **Adapt Sound** → **On**.

When you activate this option for the first time, tap **Start** to adjust the sound. The device starts a series of sound tests to adjust the sound level and starts to beep. Tap **Yes** if you can hear the beep or **No** if you cannot. Repeat this step for each test until the sound adjustment is finished. Then, tick **Music sound** to apply the option when you listen to music.

When you turn the volume up to level 14 or higher, the adapt sound option is not applied to music playback. If you turn the volume down to level 13 or lower, the option is reapplied.

Setting a song as ringtone or alarm tone

To use the currently-playing song as a ringtone or an alarm tone, tap → **Set as** → **From the beginning** or **Auto recommendations**, select an option, and then tap **Done**.

Creating playlists

Make an own selection of songs.

Tap **Music** on the Apps screen.

Tap **Playlists** → → **Create playlist**. Enter a title and tap **OK**. Tap , select songs to include, and then tap **Done**.

To add the currently-playing song to a playlist, tap and select the playlist.

Playing music by mood

Use this feature to play music that suits your mood.

Tap **Music** on the Apps screen.

Tap **Music square**. Songs are automatically categorised by mood. Tap a mood cell or drag multiple cells to listen to the music in the cells.

Song categories are based on available information about the song. Some songs may not be categorised in mood cells.

Playing music stored on other devices

Search for music that is stored on other devices and play it on your device.

Tap **Music** on the Apps screen.

Accessing music on a registered device

Tap **Devices** and select a device in **REGISTERED DEVICES** to access and play music. You can play the song on the devices that are registered to Samsung link. Visit link.samsung.com for more information. Ensure that the registered devices are turned on and connected to a Wi-Fi or mobile network.

You may incur additional charges when you access content stored on other devices via the mobile network. To avoid additional charges, use the Wi-Fi feature.

Accessing music on a nearby device

Tap **Devices** and select a device in **NEARBY DEVICES** to access and play music. You can play the song on the devices with content sharing feature activated.

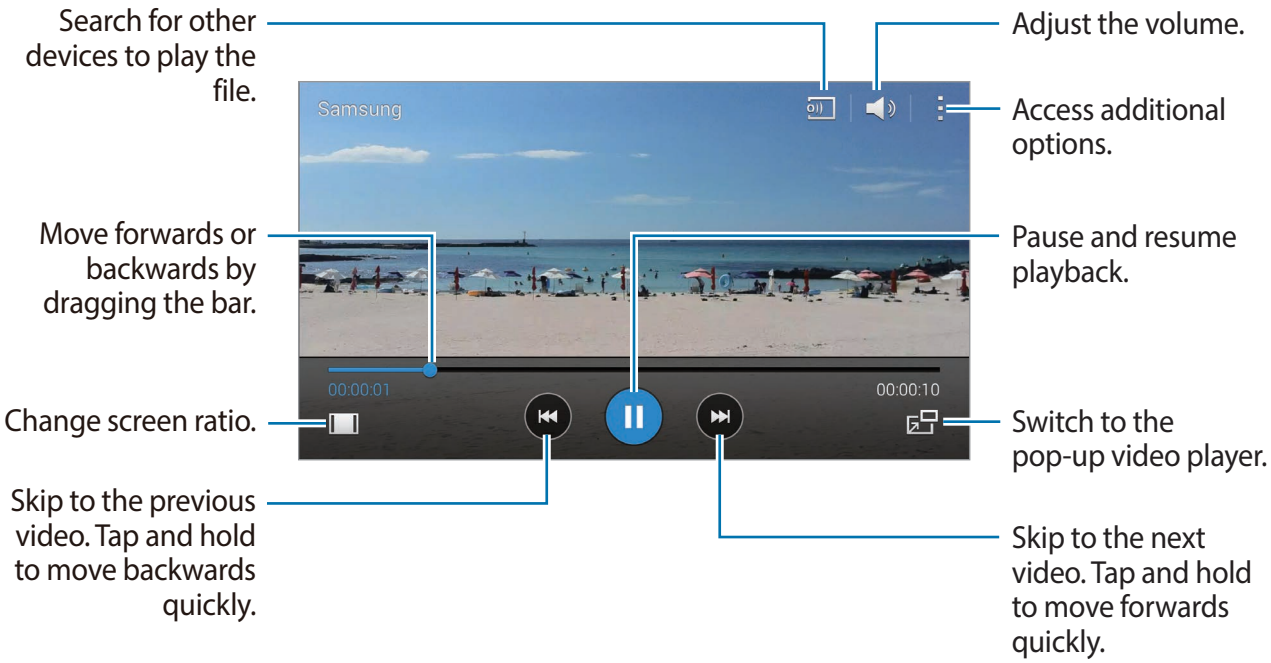
To activate the feature, on the Apps screen, tap **Settings** → **Nearby devices**, and then drag the **Nearby devices** switch to the right. Refer to Nearby devices for more settings.

Video

Playing videos

Tap **Video** on the Apps screen.

Select a video to play.



To customise the control panel location during playback, tap → **Settings**, tick **Mini controller**, and then tap **Close**. Then, tap ◀ or ▶ to move the control panel to either side of the screen.

This feature is available only in landscape orientation.

Using the pop-up video player

Use this feature to use other apps without closing the video player. While watching videos, tap to use the pop-up video player.

Spread two fingers apart on the screen to enlarge the player or pinch to reduce it. To move the player, drag the player to another location.

Capturing images

To use this feature, during playback, tap → **Settings**, tick **Capture**, and then tap **Close**.

Tap to capture an image from the video during playback.

Sharing or deleting videos

Tap **Video** on the Apps screen.

Tap → **Select**, select videos, tap → **Share via**, and then select a sharing method.

Tap → **Delete**, select videos, and then tap **Done**.

Editing videos

Tap **Video** on the Apps screen.

Select a video, tap → **Edit** → **Studio** → **Video trimmer**. Move the start bracket to the desired starting point, move the end bracket to the desired ending point, tap **Done**, enter a filename, and then tap **OK** to save the video.

To edit videos using a video editor app, tap **Video Editor**.

Playing videos stored on other devices

Search for videos that are stored on other devices and play them on your device.

Tap **Video** on the Apps screen.

Accessing a video on a registered device

Tap **Devices** and select a device in **REGISTERED DEVICES** to access and play the video. You can play the video on the devices that are registered to Samsung link. Visit link.samsung.com for more information. Ensure that the registered devices are turned on and connected to a Wi-Fi or mobile network.

You may incur additional charges when you access content stored on other devices via the mobile network. To avoid additional charges, use the Wi-Fi feature.

Accessing a video on a nearby device

Tap **Devices** and select a device in **NEARBY DEVICES** to access and play the video. You can play the video on devices that have the content sharing feature activated.

To activate the content sharing feature, on the Apps screen, tap **Settings** → **Nearby devices**, and then drag the **Nearby devices** switch to the right. Refer to Nearby devices for more settings.

YouTube

Use this app to watch videos from the YouTube website.

Tap **YouTube** on the Apps screen.

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

Watching videos

Tap ☰ and select a category. To search for a video by entering a keyword, tap 🔍.

Rotate the device to landscape orientation to display full screen.

Sharing videos

Select the video to view, tap <, and then select a sharing method.

Uploading videos

Tap ☰ → **Uploads** → ⬆, select a video, enter information for the video, and then tap ⬆.

Flipboard

Use this app to access your personalised magazines.

Tap **Flipboard** on the Apps screen.

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

To start your Flipboard, flick up on the greeting page, select news topics, and then tap **Build Your Flipboard**.

Select a cover story or a topic, flick through the Flipboard pages, and then select an article to read.

Google+

Use this app to stay connected with people via Google's social network service.

Tap **Google+** on the Apps screen.

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

Tap **All** to change the category, and then scroll up or down to view posts from your circles.

Photos

Use this app to manage photos, albums, and videos that you have saved on the device and uploaded to **Google+**.

Tap **Photos** on the Apps screen.

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

Play Games

Use this app to download and play games.

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

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

Play Music

Use this app to listen to music from the device or stream music from the Google cloud service.

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

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

Play Newsstand

Use this app to read the latest news articles.

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

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

Safety

Emergency mode

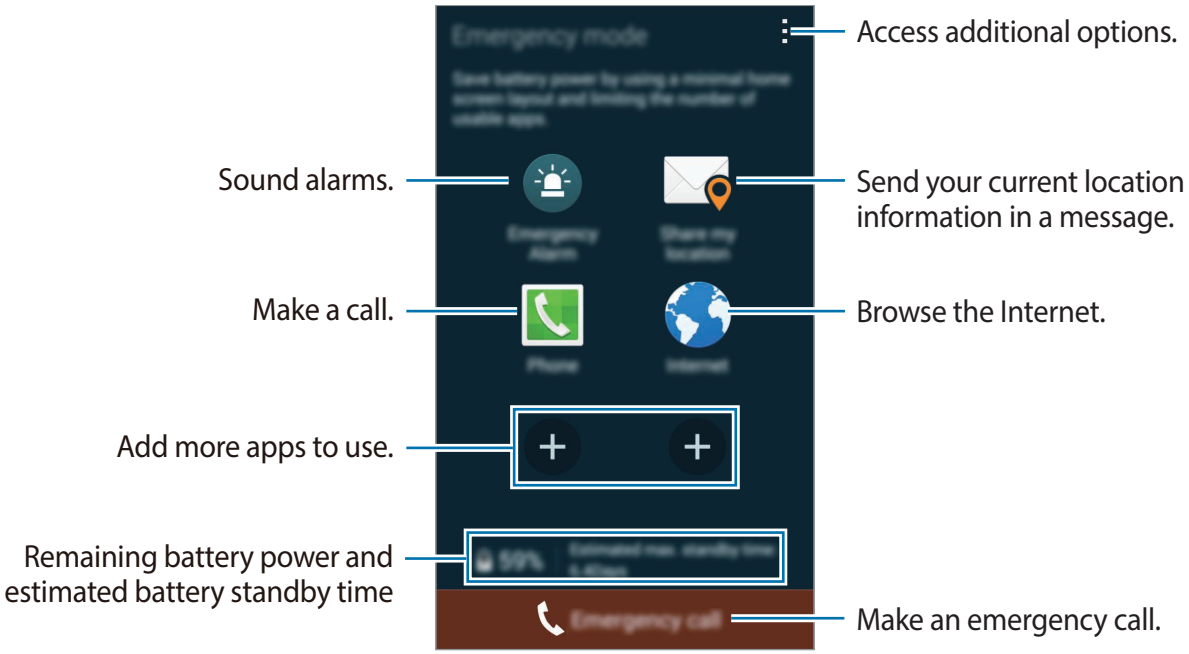
About emergency mode

Use this mode to extend the device's standby time when you are in an emergency situation. When this mode is activated, the screen's brightness decreases and battery consumption is reduced by restricting some features. You can also sound alarms and send your location information to others in a message.

Activating emergency mode

Press and hold the Power button, and then tap **Emergency mode**. Alternatively, on the Apps screen, tap **Settings** → **Safety assistance** → **Emergency mode**, and then drag the **Emergency mode** switch to the right.

You may incur additional charges for sending messages or using the mobile network.



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

Deactivating emergency mode

To deactivate emergency mode, press and hold the Power button, and then tap **Emergency mode**. Alternatively, tap → **Disable Emergency mode**. Emergency mode is deactivated.

Sending help messages

About sending help messages

You can preset contacts to send a message to in an emergency. Send messages to your primary contacts by quickly pressing the Power button three times.

On the Apps screen, tap **Settings** → **Safety assistance**.

Adding primary contacts

1 On the Apps screen, tap **Settings** → **Safety assistance**.

2 Tap **Manage primary contacts** → **Create primary contact**.

3 Tap **Create new contact** and enter contact information or tap **Select from contacts** to add an existing contact as a primary contact.

Setting help messages

On the Apps screen, tap **Settings** → **Safety assistance** → **Send help messages**, drag the **Send help messages** switch to the right, and then select content to include in help messages.

Sending help messages

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

You may incur additional charges for sending messages or using the mobile network.

Severe weather notification (Geo News)

About severe weather notification (Geo News)

Use this feature to receive notifications about severe weather conditions close to your current location.

- The feature identifies your location and provides you with information about severe weather conditions if they occur in your area. The information provided may differ depending on the service provider in your current location.

  To view information about severe weather conditions and the regions and languages that the information is available in, visit www.samsung.com/geonews.
- You may incur additional charges if you receive notifications from a weather forecasting service while you are roaming.
- This feature may not be available depending on the region or service provider.

Receiving notifications

On the Apps screen, tap **Settings** → **Safety assistance** → **Geo News**, and then drag the **Geo News** switch to the right.

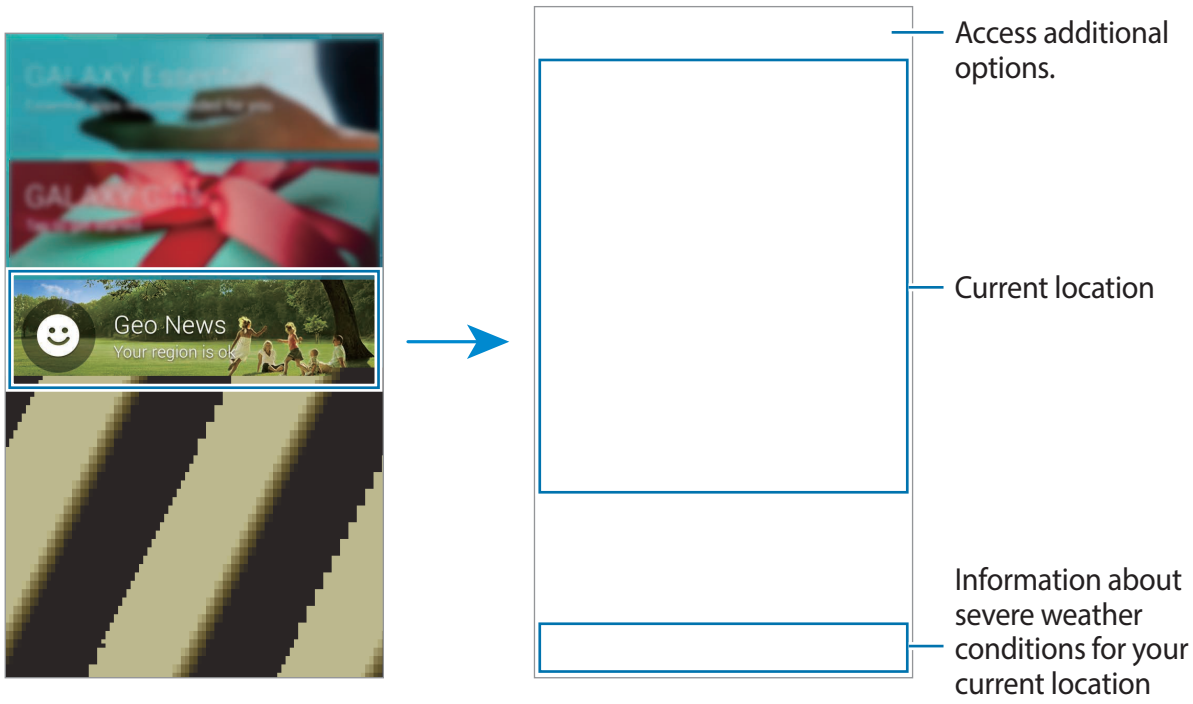
Tick **Notification pop-ups**.

If the weather conditions worsen, the device displays the notification in a pop-up window. You can make an emergency call or send emergency messages to preset contacts from the pop-up window.

Using the geo news widget

You can view your current location and information about severe weather conditions in your region in the **Geo News** widget.

On the Home screen, scroll left and tap the **Geo News** widget.



Utilities

S Finder

Use this app to search for content on the device and via the Internet. You can apply various filters and view the search history.

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

Searching for content

Tap the search field and enter a keyword, or tap and say a keyword.

To get more refined results, tap and apply filters under the search field.

To update the list of search results, tap → **Refresh**.

You can set the search parameters using the available filters or select search categories. Tap → **Settings** → **Select filters** or **Select search category**.

Managing the search history

To delete the history, tap → **Settings** → **Delete history**.

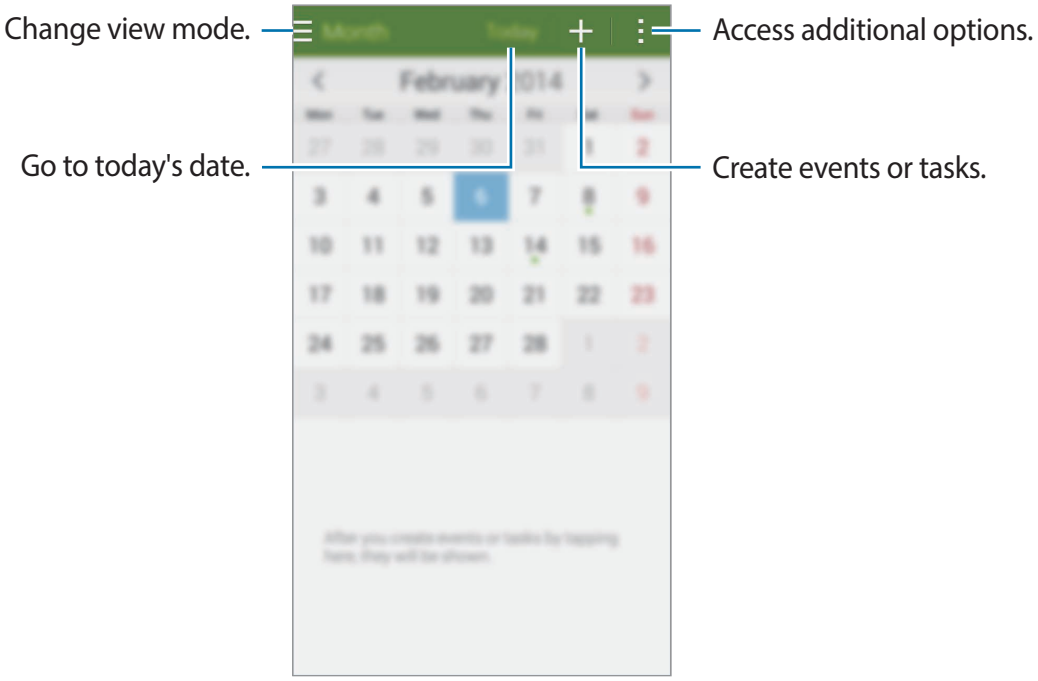
To set the device not to save the search results, tap → **Settings**, and then deselect **Save search history**.

S Planner

Starting S Planner

Use this app to manage events and tasks.

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



Tap and use the following:

- **Go to**: Move to a specific date.
- **Delete**: Delete events or tasks.
- **Search**: Search for events or tasks.
- **Calendars**: Select the calendars to display.
- **Sync**: Sync events and tasks with your accounts.
- **Settings**: Change settings for S Planner.

Creating events or tasks

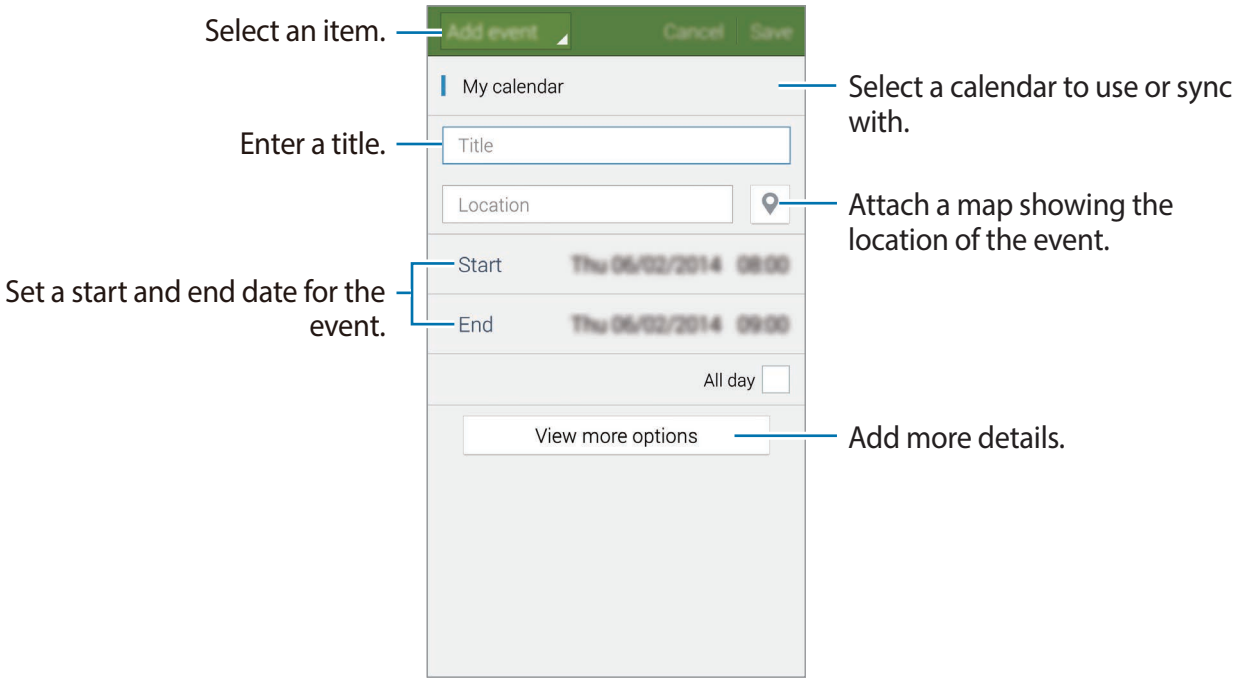
1 Tap **S Planner** on the Apps screen.

2 Tap . Alternatively, select a date with no events or tasks in it and tap the date again.

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

3 Select either event or task and enter details.

- **Add event**: Set a start and end date for an event. You can set an optional repeat setting.
- **Add task**: Add a task to do on a specific date. You can set an optional priority setting.



4 Tap **Save** to save the event or task.

Syncing events and tasks with your accounts

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

To sync events and tasks with your accounts, tap → **Sync**.

To add accounts to sync with, tap → **Calendars** → **Add account**. Then, select an account to sync with and sign in. When an account is added, a green circle is displayed next to the account name.

To change an account's syncing option, on the Apps screen, tap **Settings** → **Accounts**, and then select an account service.

Deleting events or tasks

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

To delete events or tasks, tap → **Delete**, select the events or tasks, and then tap **Done** → **OK**.

To delete an event or task while viewing it, tap → **OK**.

To mark tasks as completed, tap a date that has tasks in it and tick completed tasks.

Sharing events or tasks

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

To share an event or task while viewing it, tap → **Share via**, and then select a sharing method.

Calculator

Use this app for simple or complex calculations.

Tap **Calculator** on the Apps screen.

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

To see the calculation history, tap ⌄ to hide the keypad.

To clear the history, tap ⌄ → **Clear history**.

Clock

Alarm

On the Apps screen, tap **Clock** → **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 activate or deactivate alarms, tap next to the alarm in the alarms list.

- **Snooze**: Set an interval and the number of times for the alarm to repeat after the preset time.
- **Smart alarm**: Set a time and tone for the smart alarm. A smart alarm starts at a low volume a few minutes before a preset alarm is scheduled to sound. The volume of the smart alarm increases gradually until you turn it off or the preset alarm sounds.

Stopping alarms

Drag ✕ outside the large circle to stop an alarm. Drag zZ outside the large circle to repeat the alarm after a specified length of time.

Deleting alarms

Tap → **Delete**, select alarms, and then tap **Done**.

World clock

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

Creating clocks

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

To apply summer time, tap and hold a clock, and then tap .

Deleting clocks

Tap → **Delete**, select clocks, and then tap **Done**.

Stopwatch

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

Tap **Start** to time an event. Tap **Lap** to record lap times.

Tap **Stop** to stop timing. To clear lap times, tap **Reset**.

Timer

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

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

Drag outside the large circle when the timer goes off.

Drive

Use this app to access files stored in your Google Drive storage service. You can store all your files in one place, access them from anywhere, and share them with others.

Tap **Drive** on the Apps screen.

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

Dropbox

Use this app to save and share files with others via the Dropbox cloud storage. When you save files to Dropbox, your device automatically syncs with the web server and any other devices that have Dropbox installed.

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

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

2 Sign in to your Dropbox account. If you do not have it, create a Dropbox account.

3 Tap **Turn on Camera Upload**.

The device uploads photos taken with the device's camera to Dropbox. To upload videos, drag the **Include videos** switch to the right.

To upload photos or videos manually, tap **Skip this**.

4 Use the following functions:

- : Upload or open files. Tap → **Upload here** to upload files.
- : View the uploaded photos or videos. Tap to share or delete files, or create albums.
- : Open files in the favourites list.
- : View notifications.

Google

Use this app to search the Internet. You can also use it to search for apps and app content saved on the device or memory card.

Tap **Google** on the Apps screen.

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

Searching the device

Tap the search field, and then enter a keyword. Alternatively, tap , and then say a keyword.

Google Now

View Google Now cards that show the current weather, public transit info, your next appointment, and more when you are most likely to need it.

Join Google Now when you launch **Google** for the first time. To change Google Now settings, tap → **Settings**, and then drag the **Google Now** switch to the left or right.

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

Kids Mode

Use this widget to provide a fun and safe environment for children by restricting children's access to certain apps or content.

Before you use this widget, you need to download and install it. On the Home screen, tap **Kids Mode** → **Install**. When it is installed, the widget appears on the Home and App screens.

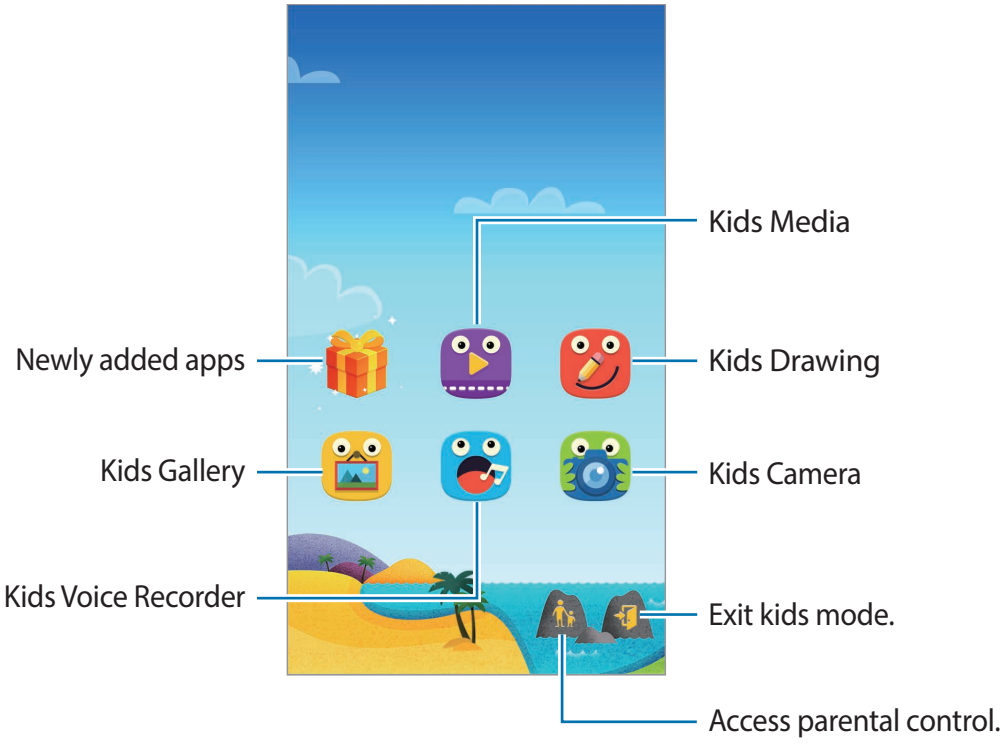
To start kids mode, tap **Kids Mode** on the Home or Apps screen.

When you launch this widget for the first time, tap **Set PIN** at the bottom of the screen. Then, follow the on-screen instructions.

If the **Kids Mode** widget is accidentally uninstalled, you can reinstall it. On the Home screen, tap and hold an empty area, tap **Widgets**, tap and hold the **Kids Mode** widget. Drag the widget to the Home screen and tap **Kids Mode** to reinstall it.

Kids mode home screen

The Home screen is the starting point to access all of apps in kids mode.



Use this app to play video files. Before you use this app, add videos that are saved on the device to the app. Refer to Parental control for details.

Use this app to create a drawing with a pen, a brush, and more.

Use this app to view saved images, drawings, voice recordings, and media files that you allow your child to access.

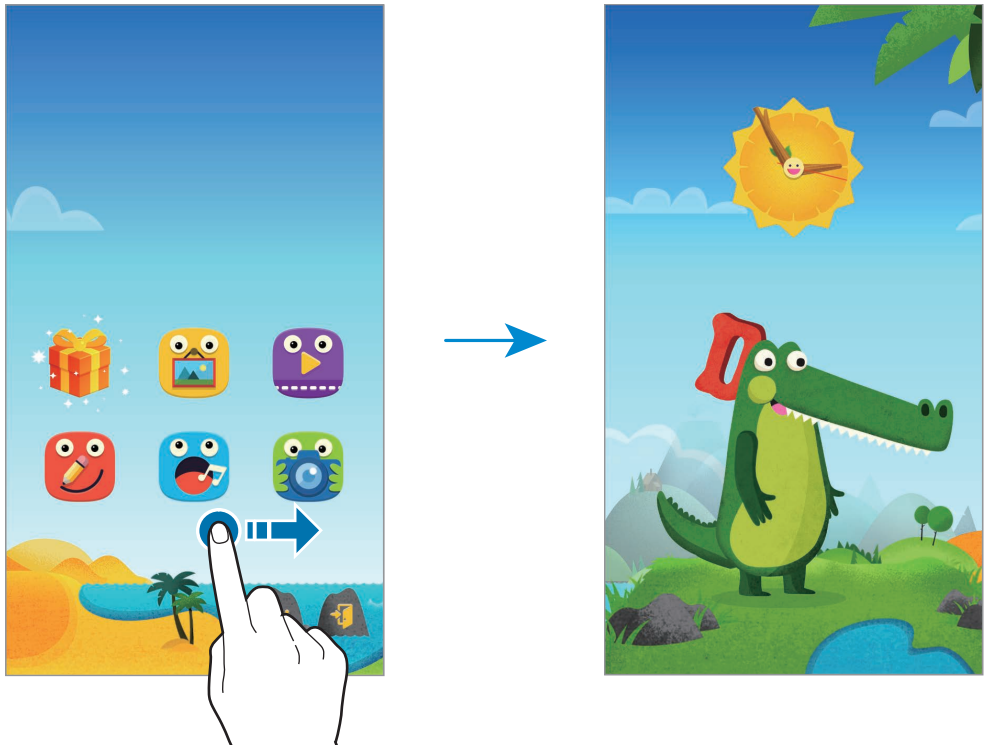
Use this app to record or play voice recordings.

Use this app to take photos or videos.

Kids mode play area

Scroll right on the Home screen to open kids mode play area.

You can interact with characters, background objects, and more.



Parental control

Use this feature to set restrictions for kids mode to control access to content and apps. You can change kids mode settings, usage time limits, and more.

On the Home screen, tap and enter the PIN.

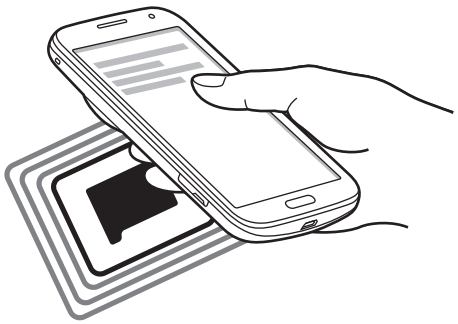
To exit parental control, press the Home button.

Using the NFC feature

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

On the Apps screen, tap **Settings** → **NFC**, and then drag the **NFC** switch to the right.

Place the NFC antenna area on the back of your device near an NFC tag. The information from the tag will appear.



Making a purchase with the NFC feature

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

On the Apps screen, tap **Settings** → **NFC**, and then drag the **NFC** switch to the right.

Touch the NFC antenna area on the back of your device to the NFC card reader.

Sending data

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

1 On the Apps screen, tap **Settings** → **NFC**, and then drag the **NFC** switch to the right.

2 Tap **Android Beam** and drag the **Android Beam** switch to the right.

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

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

Bluetooth

About Bluetooth

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

- Samsung is not responsible for the loss, interception, or misuse of data sent or received via the Bluetooth feature.
- 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.

Before using this feature

- Ensure that the Bluetooth feature is activated on your device and the devices you want to connect to.
- Ensure that both devices are set as visible to other Bluetooth devices.

Pairing with other Bluetooth devices

1 On the Apps screen, tap **Settings** → **Bluetooth**, drag the **Bluetooth** switch to the right, and then tap **Scan**. Detected devices are listed.

To set the device as visible to other devices, tap the device name.

2 Select a device to pair with.

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

3 Accept the Bluetooth authorisation request on both devices to confirm.

Sending and receiving data

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

Sending an image

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

2 Select an image.

3 Tap → **Bluetooth**, and then select a device to pair with.

If the device you want to pair with is not on the list, request that the device turns on its visibility option. Or, set your device as visible to other devices.

4 Accept the Bluetooth authorisation request on the other device.

Receiving an image

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

Unpairing Bluetooth devices

1 On the Apps screen, tap **Settings** → **Bluetooth**.

The device displays the paired devices on the list.

2 Tap next to the device's name to unpair.

3 Tap **Unpair**.

S Beam

Use this feature to send data, such as videos, images, and documents.

Before using this feature

- Ensure that the NFC feature or Wi-Fi Direct is activated on your device and the devices you want to send files to.

Sending data

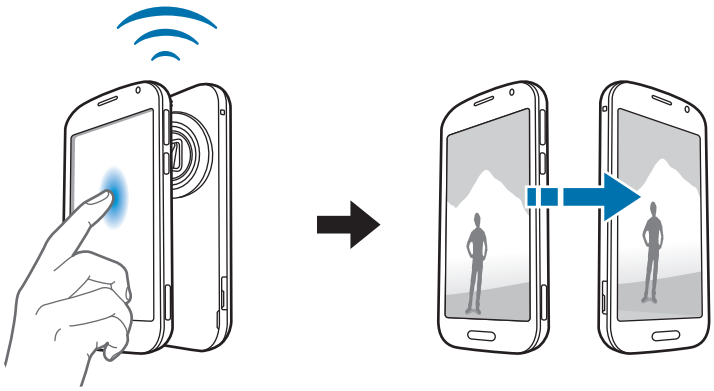
1 On the Apps screen, tap **Settings** → **NFC**, and then drag the **NFC** switch to the right.

2 Tap **S Beam** and drag the **S Beam** switch to the right.

3 Select a file and touch the other device's NFC antenna to your device's NFC antenna.

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

- Do not send copyright-protected data via S Beam. Doing so may violate copyright laws. Samsung is not responsible for any liabilities caused by the illegal use of copyrighted data.
- If both devices try to send data simultaneously, the file transfer may fail.



Quick Connect

About Quick Connect

Use this feature to easily search and connect to nearby devices. You can also conveniently share content stored on your device with computers.

- Connection methods may vary depending on the type of connected devices or the shared content.
- Device name may vary depending on the Bluetooth devices to pair with. For example, the device name can be shown as BT MAC.

Before using this feature

- Ensure that devices to be connected support the Quick Connect feature and that their screens are turned on.
- Ensure that Wi-Fi Direct or the Bluetooth feature is activated on devices that do not support the Quick Connect feature.

Connecting to other devices

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

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

2 Select a device to connect to.

The next steps may vary depending on the connected device. Follow the on-screen instructions to complete the connection between the devices.

To allow nearby devices to search for your device and connect to it, tap → **Always ready to connect**, and then drag the **Always ready to connect** switch to the right.

Re-searching for devices

If the desired device does not appear in the list, search for the device.

Tap ↻ and select the device from the list of detected devices.

Disconnecting devices

To deactivate the Quick Connect feature, tap ⌄ at the top of the screen. Alternatively, tap ↩.

Sharing content

Share content with the connected devices.

1. Open the notifications panel and tap **Quick Connect**.
2. Select a device from the list of detected devices.
3. Select a media category.
4. Select the content to share and tap **Done**.

   Your device sends the content to the connected device.

Joining Group Play

Share content with other devices by using the Group Play feature.

Before using this feature

- Search for or join a created session or create a new session.
- Install the Group Play app on both devices. You can download the app from **Samsung Apps** or **Play Store**.

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

2 Tap **Join** from the list of detected devices.

Only devices that support Group Play sessions appear on the list.

3 Select a Group Play session to join.

4 Follow the on-screen instructions to complete the connection between the devices.

Exploring computers

Launch the Samsung Link app to use content saved on remotely connected computers. To use this feature, sign in to your Samsung account.

Before using this feature

- Ensure that all devices using this feature are connected to the same network.
- Ensure that all computers that the device will connect to are registered with the Samsung Link app.
- Install the Samsung Link app on both devices. You can download the app from **Samsung Apps** or **Play Store**.

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

2 Tap **Connect** from the list of detected devices.

Only available computers appear on the list.

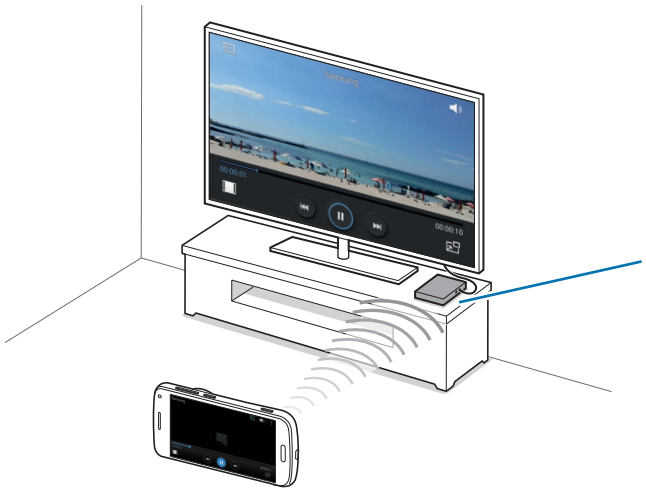
3 Select a computer to connect to.

4 Follow the on-screen instructions to complete the connection between the devices.

Screen Mirroring

About Screen Mirroring

Use this feature to connect your device to a large screen with an AllShare Cast dongle or HomeSync and then share your contents. You can also use this feature with other devices that support the Wi-Fi Miracast feature.



- This feature may not be available depending on the region or service provider.
- Miracast-enabled devices that do not support High-bandwidth Digital Content Protection (HDCP 2.X) may not be compatible with this feature.
- Some files may be buffered during playback, depending on the network connection.
- To save energy, deactivate this feature when not in use.
- If you specify a Wi-Fi frequency, AllShare Cast dongles or HomeSync may not be discovered or connected.
- If you play videos or games on a TV, select an appropriate TV mode to get the best experience.

Before using this feature

- Ensure that the screen mirroring-enabled device is connected to the TV using an HDMI cable.
- Ensure that the TV is turned on.

Viewing content on a TV

Before you connect a TV to your device, connect the TV and the screen mirroring-enabled device. To set up the connection, refer to the device's user manual. The following actions are an example of viewing content on a TV connected via an AllShare Cast dongle.

1 On the TV, select a connection mode, such as HDMI mode, to connect an external device.

2 On the Apps screen, tap **Settings** → **Screen Mirroring**.

The detected devices are listed.

3 Select a device to connect to.

Your device's screen appears on the TV screen.

If you connect the device for the first time, tap and hold the dongle's name on the list and enter the PIN shown on the TV screen.

4 Open or play a file, and then control the display with the keys on your device.

Stopping viewing the content

On the Apps screen, tap **Settings** → **Screen Mirroring**, and then drag the **Screen Mirroring** switch to the left.

Using the mobile printing feature

Connect the device to a printer to print images or documents.

Some printers may not be compatible with the device.

Before using this feature

- Ensure that the Wi-Fi feature or Wi-Fi Direct is activated on your device and the printer.

Connecting to a printer

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

To add printers manually, tap → **Add printer** → , enter details, and then tap **OK**.

To change printing settings, tap → **Printing settings**.

Printing content

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

Device & data manager

Upgrading the device

The device can be upgraded to the latest software.

Upgrading over the air

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

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

Upgrading with Samsung Kies

Download the latest Samsung Kies from the Samsung website. Launch Samsung Kies and connect the device to the computer. Samsung Kies automatically recognises the device and shows available updates in a dialogue box, if any. Click the Update button in the dialogue box to start upgrading. Refer to the Samsung Kies help for details on how to upgrade.

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

Transferring files between the device and a computer

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

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

Connecting as a media device

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

2 Open the notifications panel, and then tap **Connected as a media device** → **Media device (MTP)**.

Tap **Camera (PTP)** if your computer does not support Media Transfer Protocol (MTP) or not have any appropriate driver installed.

3 Transfer files between your device and the computer.

Connecting with Samsung Kies

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

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

Samsung Kies launches on the computer automatically. If Samsung Kies does not launch, double-click the Samsung Kies icon on the computer.

2 Transfer files between your device and the computer.

Refer to the Samsung Kies help for more information.

Backing up and restoring data

Keep your personal information, app data, and settings safe on your device. You can back up your sensitive information to a backup account and access it later.

Using a Google account

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

2 Tap **Backup and reset** and tick **Back up my data**.

3 Tap **Backup account** and select an account as the backup account.

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

Using a Samsung account

1 On the Apps screen, tap **Settings** → **Accounts** → **Add account** → **Samsung account**, and then sign into your Samsung account.

2 Tap **Settings** on the Apps screen.

3 Tap **Cloud** → **Backup**, tick the items to back up, and then tap **Back up now** → **Back up**.

To restore data, tap **Restore**, select the items to restore, and then tap **Restore now**.

Performing a data reset

Delete all settings and data on the device. Before performing a factory data reset, ensure you back up all important data stored on the device. Refer to Backing up and restoring data for details.

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

2 Tap **Backup and reset** → **Factory data reset**.

3 Tap **Reset device** → **Erase everything**.

The device automatically restarts.

Settings

About Settings

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

Tap **Settings** on the Apps screen.

To search for settings by entering keywords, tap .

QUICK SETTINGS

View the list of your favourite settings options.

To edit the list of favourite settings options, tap → **Edit quick settings**, select a settings option, and then tap **Save**.

NETWORK CONNECTIONS

Wi-Fi

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

On the Settings screen, tap **Wi-Fi**, and then drag the **Wi-Fi** switch to the right.

You can maintain a stable network connection by automatically selecting either the Wi-Fi or mobile network to use the strongest signal. To automatically switch between networks, tick **Smart network switch**.

To use options, tap .

- **Scan**: Search for available networks.
- **Wi-Fi Direct**: Activate Wi-Fi Direct and connect devices directly via Wi-Fi to share files.
- **Advanced**: Customise Wi-Fi settings.
- **WPS push button**: Connect to a secured Wi-Fi network with a WPS button.
- **WPS PIN entry**: Connect to a secured Wi-Fi network with a WPS PIN.
- **Help**: Access help information for Wi-Fi.

Setting Wi-Fi sleep policy

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

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

Setting Network notification

The device can detect open Wi-Fi networks and display an icon on the status bar to notify when available.

Tap → **Advanced** and tick **Network notification** to activate this feature.

Wi-Fi Direct

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

Tap → **Wi-Fi Direct**.

Bluetooth

Activate the Bluetooth feature to exchange information over short distances.

On the Settings screen, tap **Bluetooth**, and then drag the **Bluetooth** switch to the right.

To use more options, tap .

- **Visibility timeout**: Set duration that the device is visible.
- **Received files**: View received files via the Bluetooth feature.
- **Rename device**: Change the device name.
- **Help**: Access help information for Bluetooth.

Tethering and Mobile hotspot

Use the device as a mobile hotspot to share the device's mobile data connection with other devices. Refer to Tethering devices and using mobile hotspots for details.

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

- **Mobile hotspot**: Use the mobile hotspot to share the device's mobile data connection with computers or other devices through the Wi-Fi network. You can use this feature when the network connection is not available.
- **USB tethering**: Use USB tethering to share the device's mobile data connection with a computer via USB. When connected to a computer, the device is used as a wireless modem for the computer.
- **Bluetooth tethering**: Use Bluetooth tethering to share the device's mobile data connection with computers or other devices via Bluetooth.

Flight mode

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

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

Data usage

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

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

- **Mobile data**: Set the device to use data connections on any mobile network.
- **Set mobile data limit**: Set a limit for mobile data usage.
- **Data usage cycle**: Set a monthly reset date to monitor data usage between periods.

To use more options, tap .

- **Data roaming**: Set the device to use data connections when you are roaming.
- **Restrict background data**: Set the device to disable sync in the background while using a mobile network.
- **Auto sync data**: Activate or deactivate auto-syncing of apps. You can select what information to sync for each account in **Settings** → **Accounts**.
- **Show Wi-Fi usage**: Set the device to show your data usage via Wi-Fi.
- **Mobile hotspots**: Select mobile hotspots to prevent apps that are running in the background from using them.

Location

Change settings for location information permissions.

On the Settings screen, tap **Location**, and then drag the **Location** switch to the right.

- **Mode**: Select a method to collect your location data.
- **RECENT LOCATION REQUESTS**: View which apps request your current location information and their battery usage.
- **LOCATION SERVICES**: View the location services your device is using.
- **My places**: Set up profiles that will be used for specific locations when you use GPS, Wi-Fi, or Bluetooth features to find your current location.

More networks

Customise settings to control networks.

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

Default messaging app

Select the default app to use for messaging.

Mobile networks

- **Mobile data**: Set the device to use data connections on any mobile network.
- **Data roaming**: Set the device to use data connections when you are roaming.
- **Access Point Names**: Set up access point names (APNs).
- **Network mode**: Select a network type.
- **Network operators**: Search for available networks and select a network for roaming.

VPN

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

CONNECT AND SHARE

NFC

Activate the NFC feature to read or write NFC tags that contain information.

On the Settings screen, tap **NFC**, and then drag the **NFC** switch to the right.

- **Android Beam**: Turn on the Android Beam feature to send data, such as webpages and contacts, to NFC-enabled devices.
- **S Beam**: Activate the S Beam feature to send data, such as videos, images, and documents, to devices that support NFC and Wi-Fi Direct.

Nearby devices

Change settings for sharing content when you connect the device to nearby devices.

On the Settings screen, tap **Nearby devices**, and then drag the **Nearby devices** switch to the right.

- **DEVICE NAME**: View the media server name for your device.
- **Shared contents**: Set the device to share your content with other devices.
- **Allowed devices**: View the list of devices that can access your device.
- **Denied devices**: View the list of devices that are blocked from accessing your device.
- **Download to**: Select a memory location for saving media files.
- **Download from other devices**: Set the device to accept uploads from other devices.

Printing

Configure settings for printer plug-ins installed on the device. You can search for available printers or add one manually to print files via Wi-Fi or cloud services.

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

Screen Mirroring

Activate the screen mirroring feature and share your display with others.

On the Settings screen, tap **Screen Mirroring**.

SOUND AND DISPLAY

Sound

Change settings for various sounds on the device.

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

- **Sound mode**: Set the device to use sound mode or silent mode.
- **Volume**: Adjust the volume level for call ringtones, music and videos, system sounds, and notifications.
- **Vibration intensity**: Adjust the force of the vibration notification.
- **Ringtones**: Add or select a ringtone for incoming calls.
- **Vibrations**: Add or select a vibration pattern.
- **Notifications**: Select a ringtone for events, such as incoming messages and missed calls.
- **Vibrate when ringing**: Set the device to vibrate and play a ringtone for incoming calls.
- **Dialling keypad tone**: Set the device to sound when you tap the buttons on the keypad.
- **Touch sounds**: Set the device to sound when you select an app or option on the touch screen.
- **Screen lock sound**: Set the device to sound when you lock or unlock the touch screen.
- **Haptic feedback**: Set the device to vibrate when you tap keys.
- **Sound when tapped**: Set the device to sound when a key is touched.
- **Vibrate when tapped**: Set the device to vibrate when a key is touched.
- **SAMSUNG APPLICATIONS**: Change the notification settings for each app.
- **Music effects**: Select a sound effect to apply when you adjust to music.

Display

Change the settings for the display.

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

- **Font**:
  - **Font style**: Change the font type for display text.
  - **Font size**: Change the font size.
- **Brightness**: Set the brightness of the display.
- **Screen rotation**: Set the content to rotate automatically when the device is turned.
  - **Smart rotation**: Set the interface not to rotate according to the orientation of your face.
- **Smart stay**: Set the device to prevent the display backlight from turning off while you are looking at the display.
- **Screen timeout**: Set the length of time the device waits before turning off the display's backlight.
- **Auto adjust screen tone**: Set the device to save power by adjusting the brightness of the display.
- **Daydream**: Set the device to launch a screensaver when your device is connected to a desktop dock or charging.
- **Touch key light duration**: Set the duration that the Recent apps and Back buttons' backlight remains on.

Wallpaper

Change the settings for the wallpaper.

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

- **Home screen**: Select a background image for the Home screen.
- **Lock screen**: Select a background image for the locked screen.
- **Home and lock screens**: Select a background image for the Home screen and the locked screen.

Lock screen

Change settings for the locked screen.

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

- **Screen lock**: Activate the screen lock feature. The following options may vary depending on the screen lock feature selected.
- **Dual clock**: Set the device to show the dual clock.
- **Clock size**: Change the size of the clock.
- **Show date**: Set the device to show the date with the clock.
- **Camera shortcut**: Set the device to show the camera shortcut on the locked screen.
- **Owner information**: Enter your information that is shown with the clock.
- **Unlock effect**: Select an effect that you see when you unlock the screen.
- **Show weather information**: Set the device to show weather information on the locked screen.
- **Help text**: Set the device to show the help text on the locked screen.

Notification panel

Customise the items that appear on the notifications panel.

On the Settings screen, tap **Notification panel**.

- **Brightness adjustment**: Set the device to display the brightness adjustment bar on the notifications panel.
- **Recommended apps**: Set the device to display a list of recommended apps on the notifications panel based on your actions, such as connecting a headset to the device.
- **Set quick setting buttons**: Rearrange the quick setting buttons displayed on the notifications panel.

Toolbox

Set the device to use the toolbox.

On the Settings screen, tap **Toolbox**, and then drag the **Toolbox** switch to the right.

- **APPLICATIONS**: View the apps list to display in the toolbox.
- **Edit**: Select the apps to display in the toolbox.

PERSONALISATION

Easy mode

Set the device to easy mode.

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

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

Accessibility

You can use this feature to access settings to improve accessibility to the device. Refer to Accessibility for details.

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

Blocking mode

Select which notifications will be blocked or set to allow notifications for calls from specified contacts in blocking mode.

On the Settings screen, tap **Blocking mode**, and then drag the **Blocking mode** switch to the right.

MOTION

Motions and gestures

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

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

- **Direct call**: Set the device to make a voice call by picking up and holding the device near your ear while viewing call, message, or contact details.
- **Smart alert**: Set the device to alert you if you have missed calls or new messages when you pick up the device.
- **Mute/Pause**: Set the device to mute incoming calls or alarms, or to pause media playback by using palm motions or looking away from the screen.
  - **Covering screen with hand**: Set the device to mute incoming calls or alarms, or to pause media playback when you cover the screen with your palm.
  - **Turning device over**: Set the device to mute incoming calls or alarms, or to pause media playback by placing the device face down.
  - **Smart pause**: Set the device to pause video playback when you look away from the screen.
- **Palm swipe to capture**: Set the device to capture an image of the screen when you sweep your hand to the left or right across the screen.

USER AND BACKUP

Accounts

Add email or SNS accounts.

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

Cloud

Change settings for syncing data or files with your Samsung account or Dropbox cloud storage.

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

Backup and reset

Change the settings for managing settings and data.

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

- **Back up my data**: Set the device to back up settings and app data to the Google server.
- **Backup account**: Set up or edit your Google backup account.
- **Automatic restore**: Set the device to restore settings and app data when the apps are reinstalled on the device.
- **Factory data reset**: Reset settings to the factory default values and delete all data.

SYSTEM

Language and input

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

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

Language

Select a display language for all menus and apps.

Default

Select a default keyboard type for text input.

Samsung keyboard

To change the Samsung keyboard settings, tap .

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

- **English(UK)**: Select a default keyboard layout.
- **Select input languages**: Select languages for text input.
- **Predictive text**: Activate predictive text mode to predict words based on your input and show word suggestions. You can also customise the word prediction settings.
- **Auto replacement**: Set the device to correct misspelled and incomplete words by tapping the space bar or punctuation mark.
- **Auto capitalisation**: Set the device to automatically capitalise the first character after a final punctuation mark, such as a full stop, question mark, or exclamation mark.
- **Auto spacing**: Set the device to automatically insert a space between words.
- **Auto-punctuate**: Set the device to insert a full stop when you double-tap the space bar.

- **Keyboard swipe**:
  - **None**: Set the device to deactivate the keyboard swipe feature.
  - **Continuous input**: Set the device to enter text by sweeping on the keyboard.
  - **Cursor control**: Enable the smart keyboard navigation feature to move the cursor by scrolling the keyboard.
  - **Flick input**: Enable or disable the keyboard to enter numbers or symbols when you tap and hold a key, and then flick your finger upwards.
- **Sound**: Set the device to sound when a key is touched.
- **Vibration**: Set the device to vibrate when a key is touched.
- **Character preview**: Set the device to display a large image of each character tapped.
- **Tap and hold delay**: Set the recognition time for tapping and holding the screen.
- **Reset settings**: Reset Samsung keyboard settings.

Google voice typing

To change the voice input settings, tap .

- **Choose input languages**: Select input languages for text input.
- **Block offensive words**: Set the device to prevent the device from recognising offensive words in voice inputs.
- **Offline speech recognition**: Download and install language data for offline voice input.

Voice search

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

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

- **Speech output**: Set the device to provide voice feedback to alert you to the current action.
- **Block offensive words**: Hide offensive words from voice search results.

- **Offline speech recognition**: Download and install language data for offline voice input.
- **Personalised recognition**: Set the device to use information from your Google dashboard to improve speech recognition accuracy.
- **Bluetooth headset**: Set the device to allow a voice search with a Bluetooth headset, when one is connected to the device.

Text-to-speech options

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

Notification readout

Set the device to read aloud notifications when you have incoming calls, messages, or events.

Pointer speed

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

Date and time

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

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

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

- **Automatic date and time**: Automatically update the time and date when moving across time zones.

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

Safety assistance

Activate emergency mode and set primary contacts and messages. Refer to Emergency mode for details.

On the Settings screen, tap **Safety assistance**.

- **Emergency mode**: Set the device to activate emergency mode and reduce battery consumption by using basic functions, such as calling.
- **Geo News**: Set the device to receive notifications for severe weather conditions.

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

- **Send help messages**: Set the device to send help messages by pressing the Power button three times.
  - **Send sound recording**: Set the device to record sound and send it along with the message to the recipients.
- **Manage primary contacts**: Select or edit the recipients for help messages.

Accessories

Change the accessory settings.

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

- **Audio output**: Select a sound output format to use when connecting your device to HDMI devices. Some devices may not support the surround sound setting.

Battery

View the amount of battery power consumed by your device.

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

- **Display battery percentage**: Set the device to display the remaining battery life.

Power saving

Activate power-saving mode and change the settings for power-saving mode. Refer to Using the power saving feature for details.

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

- **Power saving mode**: Activate power-saving mode and change the settings for power-saving mode.
  - **Block background data**: Set the device to prevent apps that are running in the background from using a mobile data connection.
  - **Restrict performance**: Set the device to limit various options, such as turning off the Recent apps and Back buttons' backlight.
- **Ultra power saving mode**: Extend standby time and reduce battery consumption by displaying a simpler layout and allowing limited access to an app.

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

Storage

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

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

Formatting a memory card permanently deletes all data from it.

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

Security

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

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

- **Encrypt device**: Set a password to encrypt data saved on the device. You must enter the password each time you turn on the device.

  Charge the battery before enabling this setting because it may take more than an hour to encrypt your data.

- **Encrypt external 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.

- **Remote controls**: Set the device to allow control of your lost or stolen device remotely via the Internet. To use this feature, you must sign in to your Samsung account.
  - **ACCOUNT REGISTRATION**: Add or view your Samsung account.
  - **Use wireless networks**: Set the device to allow location data collection or to determine the location of your lost or stolen device via Wi-Fi or mobile network.
- **SIM change alert**: Activate or deactivate the Find my mobile feature which helps locate the device when lost or stolen.
- **Go to website**: Access the Find my mobile website (findmymobile.samsung.com). You can track and control your lost or stolen device on the Find my mobile website.
- **Set up SIM card lock**:
  - **Lock SIM card**: Activate or deactivate the PIN lock feature to require the PIN before using the device.
  - **Change SIM PIN**: Change the PIN used to access SIM or USIM data.

- **Make passwords visible**: Set the device to display passwords as they are entered.
- **Device administrators**: View device administrators installed on the device. You can allow device administrators to apply new policies to the device.
- **Unknown sources**: Set the device to allow the installation of apps from unknown sources.
- **Verify apps**: Set the device to allow Google to check the apps for harmful behaviour before installing them.
- **Storage type**: Set a storage type for credential files.
- **Trusted credentials**: Use certificates and credentials to ensure secure use of various apps.
- **Install from device storage**: Install encrypted certificates stored on the USB storage.
- **Clear credentials**: Erase the credential contents from the device and reset the password.

Help

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

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

About device

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

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

APPLICATIONS

Application manager

View and manage the apps on your device.

On the Settings screen, tap **Application manager**.

Default applications

Select a default setting for using apps.

On the Settings screen, tap **Default applications**.

Call

Customise the settings for calling features.

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

- **Call rejection**: Reject calls from specified phone numbers automatically. Add phone numbers to the reject list.
- **Answering and ending calls**:
  - **Pressing the home key**: Set the device to answer a call when you press the Home button.
  - **Using voice commands**: Set the device to answer or reject a call with voice commands.
  - **Pressing the power key**: Set the device to end a call when pressing the Power button.

- **Call-related pop-ups**:
  - **Call notification pop-ups**: Set the device to display a pop-up window when you receive an incoming call while using apps.
  - **In-call status pop-ups**: Set the device to display a pop-up window that shows the status of a call while using apps.
- **Show caller information**: Set the device to display the caller's recent social networking activity when a call comes in.
- **Call alerts**:
  - **Vibrate when answered**: Set the device to vibrate when the other party answers a call.
  - **Vibrate when call ends**: Set the device to vibrate when the other party ends a call.
  - **Call connect tone**: Activate or deactivate the call connection tone.
  - **Minute minder**: Activate or deactivate the minute minder tone.
  - **Call end tone**: Activate or deactivate the call disconnection tone.
  - **Notify during calls**: Set the device to alert you to events during a call.
- **Call accessories**:
  - **Automatic answering**: Set the device to answer a call automatically after a specified period (available only when a headset is connected).
  - **Automatic answering timer**: Set the length of time the device waits before answering a call.
  - **Outgoing call conditions**: Set the device to allow outgoing calls with a Bluetooth headset, even when your device is locked.
  - **Outgoing call types**: Select the type of outgoing calls to make you use a Bluetooth headset.

- **More settings**:
  - **Caller ID**: Display your caller ID to other parties for outgoing calls.
  - **Call forwarding**: Divert incoming calls to another number.
  - **Auto area code**: Set the device to insert a prefix (area or country code) automatically before a phone number.
  - **Call barring**: Block incoming or outgoing calls.
  - **Call waiting**: Allow incoming call alerts when a call is in progress.
  - **Auto redial**: Activate auto redial for calls that were not connected or that were cut off.
  - **Fixed Dialling Numbers**: Activate or deactivate FDN mode to restrict calls to numbers in the FDN list. Enter the PIN2 supplied with your SIM or USIM card.
- **Ringtones and keypad tones**:
  - **Ringtones**: Add or select a ringtone for incoming calls.
  - **Vibrations**: Add or select a vibration pattern.
  - **Vibrate when ringing**: Set the device to vibrate and play a ringtone for incoming calls.
  - **Dialling keypad tone**: Set the device to sound when tapping the buttons on the keypad.
- **Personalise call sound**: Select a type of call sound to use with a headset.
- **Noise reduction**: Set the device to remove background noise so that the other party can hear you more clearly.
- **Hide my video**: Select an image to be shown to the other party.
- **Service provider**: Select or set your voicemail service provider.
- **Voicemail settings**: Enter the number to access the voicemail service. Obtain this number from the service provider.
- **Ringtones**: Select a ringtone for new voicemails.
- **Vibrate**: Set the device to vibrate when voicemails are received.
- **Accounts**: Set the device to accept IP calls and set up your accounts for IP call services.
- **Use Internet calling**: Set whether to use IP call services for all calls or only for IP calls.

Contacts

Change settings for using contacts.

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

- **Import/export**: Import or export contacts.
- **Contacts to display**: Select which contacts to display.
- **Swipe to call or send msg**: Set the device to make a call or send a message when you drag a contact to the left or right in the contacts list.
- **Only contacts with phones**: Set the device to display contacts that only have a phone number.
- **Sort by**: Select an option for sorting contacts.
- **Display contacts by**: Select an option for displaying contact names.
- **Send contact information**: Select a method to share contacts.
- **Accounts**: Add or edit the account to sync contacts with.

Email

Change settings for managing and sending emails.

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

- **Manage accounts**: Manage existing email accounts or add new accounts.
- **Display**: Change the settings for displaying emails.
- **Default display**: Set the device to open a specific screen after you delete emails.
- **Priority sender settings**: Change settings for priority senders.
- **Spam addresses**: Add email addresses to block.
- **Delay email sending**: Set the time the device waits before sending emails after you tap the send button.

Gallery

Change settings for using **Gallery**.

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

- **Sync via Wi-Fi only**: Set the device to sync content only when the Wi-Fi connection is activated.
- **Tag buddy**: Set the device to display contextual tags.
- **Face tag**: Register the faces in the image as face tags.

Internet

Change settings for using Internet.

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

- **Account**: Sign in to a Samsung account.
- **Set homepage**: Set a default home page.
- **Autofill forms**: Set the device to automatically enter user information, such as names or phone numbers when you fill out forms on webpages.
- **Privacy**: Manage personal data when visiting webpages.
- **Screen and text**: Change the settings, adjust the font size, and more when viewing webpages.
- **Content settings**: Change the settings for managing cookies from visiting webpages or set whether or not to display pop-up windows, and more.
- **Bandwidth management**: Change the bandwidth settings.

Messages

Change settings for using messages.

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

- **Default messaging app**: Select the default app to use for messaging.
- **Display**: Change settings for the messaging window, such as the font size, background colour, and more.
- **Quick responses**: Add or edit the message template.
- **Text messages**: Change settings for text messages.
- **Multimedia messages**: Change settings for multimedia messages.
- **Delete old messages**: Set the device to delete old messages.
- **Priority senders**: Set the device to show priority senders list.
- **Push messages**: Set an interval for pop-up notifications that alert you to new messages.
- **Cell broadcast**: Set the device to receive cell broadcast messages.
- **Notifications**: Set the device to alert you to new messages.
- **Signature**: Set the device to display your signature on the message.
- **Spam filter**: Set the device to block messages from specific numbers or that contain certain words.
- **Delay message sending**: Set the time the device waits before sending messages after you tap the send button.
- **Safe mode**:
  - **Allow access to all links**: Set the device to allow to open the link on a message when you tap the link.
  - **Potential threat alerts**: Set the device to alert you when you install apps that support messaging feature to prevent phishing.

S Planner

Change settings for using **S Planner**.

On the Settings screen, tap **S Planner**.

- **First day of week**: Select the first day of a week.
- **Show week numbers**: Set the device to display the number of weeks in a year.
- **Hide declined events**: Set the device to hide expired events.
- **Hide completed tasks**: Set the device to hide completed tasks.
- **Weather**: Set the device to display the weather forecast.
- **Lock time zone**: Set the device to leave the time zone setting unchanged when moving across time zones.
- **Select time zone**: Select the time zone.
- **View today according to**: Set the calendar to use your home time zone or a selected time zone.
- **Select alert type**: Select the notification settings for events.
- **Notification sound**: Select a ringtone for events or tasks.
- **Vibration**: Set the device to vibrate to alert you to events or tasks.
- **Quick responses**: Create templates for sending messages to event participants.

S Voice

Change settings for the voice recognition.

On the Settings screen, tap **S Voice**.

- **Language**: Select a language for the voice recognition.
- **Hide offensive words**: Hide offensive words from voice search results.
- **About**: View version information.
- **Open via the home key**: Set the device to launch **S Voice** when you press the Home button twice.
- **Voice wake-up**: Set the device to start voice recognition by saying a wake up command while using **S Voice**.

- **Auto start speakerphone**: Set the device to automatically turn on the speakerphone when making a call with **S Voice**.
- **Show body of message**: Set the device to display the text of a new message.
- **Check missed events**: Set the device to check missed calls, messages, or events when **S Voice** is launched by pressing the headset button.
- **Personal briefing**: Set the device to display events saved in **S Planner** while you use **S Voice**.
- **Erase S Voice data**: Delete the data used by **S Voice** from the S Voice server.
- **Home address**: Enter your home address to use location information with the voice command feature.
- **Log in to Facebook**: Enter your Facebook account information to use Facebook with **S Voice**.
- **Sign in to Twitter**: Enter your Twitter account information to use Twitter with **S Voice**.

Google Settings

Use this app to configure settings for some features provided by Google.

Tap **Google Settings** on the Apps screen.

Accessibility

Accessibility

Accessibility menus are special features for those with certain physical disabilities, such as poor eyesight or hearing impairment. You can use the following features:

- TalkBack
- Changing the font size
- Magnifying the screen
- Notification reminders
- Turning off all sounds
- Adjusting the sound balance
- Mono audio mode
- Customising caption settings
- Auto haptic
- Assistive menus
- Smart scroll feature
- Setting tap and hold delay options
- Interaction control mode
- Changing the method for answering or ending calls
- Single tap mode
- Configuring accessibility settings

To use accessibility menus, on the Apps screen, tap **Settings** → **Accessibility**.

Using the Home button to open accessibility menus

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

- Accessibility
- TalkBack
- Interaction control

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

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

TalkBack

Activating or deactivating TalkBack

When you activate TalkBack, the device reads aloud the text on the screen or selected features. This feature is useful if you cannot see or have difficulty viewing the screen.

1 On the Apps screen, tap **Settings** → **Accessibility** → **Vision** → **TalkBack**.

2 Drag the **TalkBack** switch to the right.

To deactivate TalkBack, drag the **TalkBack** switch to the left.

3 Tap **OK**.

When you activate TalkBack, the device provides voice feedback and reads aloud the features you select. Also, the device provides voice feedback when the screen turns off, when you have new notifications, and more.

When you activate **Explore by touch** while using TalkBack, the device reads selected items aloud. Firstly, the device reads aloud items on the screen when you tap them. Then, the device will perform the function or open the app if you tap anywhere on the screen twice quickly. If **Explore by touch** is deactivated, the device cannot perform various features that require finger gestures.

To activate **Explore by touch**, on the Apps screen, tap **Settings** → **Accessibility** → **Vision** → **TalkBack** → **Settings**, and then tick **Explore by touch**.

Some features are not available while you are using TalkBack.

Controlling the screen with finger gestures

You can use various finger gestures to control the screen while you are using TalkBack. If **Explore by touch** is deactivated, the device cannot perform some of the features that require finger gestures.

To activate **Explore by touch**, on the Apps screen, tap **Settings** → **Accessibility** → **Vision** → **TalkBack** → **Settings**, and then tick **Explore by touch**.

- Exploring the screen: Place a finger on the screen and move your finger to explore the screen. Select and hold on an item and the device reads aloud the item. When you release your finger, the item under your finger is selected.
- Selecting items: Tap an item to select it. Or, select and hold on an item while exploring the screen, and then release your finger.
- Opening the selected item: While selected items are read aloud, when you hear the item you want, release your finger from the item. Then, tap anywhere on the screen twice quickly.
- Selecting the previous item: Scroll quickly upwards or to the left on the screen with one finger.

- Selecting the next item: Scroll quickly downwards or to the right on the screen with one finger.
- Scrolling the lists: Scroll the screen upwards or downwards with two fingers.
- Returning to the previous page: Scroll the screen to the right with two fingers.
- Moving to the next page: Scroll the screen to the left with two fingers.
- Unlocking the screen: Scroll the screen in any direction within the locked screen area with two fingers.
- Opening notifications panel: Drag the top of the screen downwards with two fingers.
- Opening quick setting panel: Drag the top of the screen downwards with three fingers.

You can configure finger gesture settings for TalkBack in **Manage gestures**. Refer to Configuring finger gesture settings for details.

Configuring finger gesture settings

When you use TalkBack, you can perform actions using finger gestures. You can perform actions such as, returning to the previous screen, opening the Home screen, and more. Configure finger gestures before using them.

Configuring settings for vertical gestures

You can use two-part vertical gestures by dragging your finger upwards and downwards from the bottom of the screen, or vice versa.

On the Apps screen, tap **Settings** → **Accessibility** → **Vision** → **TalkBack** → **Settings** → **Manage gestures** → **Two-part vertical gestures**. Then, select one of the following features:

- **Move to the first and last items on screen**: When you drag your finger upwards and then downwards on the screen, the first item at the top of the screen is selected. When you drag your finger downwards and then upwards on the screen, the last item at the bottom of the screen is selected.
- **Cycle through reading granularities**: When you drag your finger upwards and then downwards on the screen, the reading unit changes. The reading unit changes to page, paragraph, line, word, character, and default. When you drag your finger downwards and then upwards on the screen, the reading units change in reverse order.

Configuring settings for shortcut gestures

Use this feature to configure eight shortcut gestures. You can configure gestures such as, dragging your finger upwards and then to the right without releasing it, and more. You can change shortcut gestures or assign features to empty shortcuts.

On the Apps screen, tap **Settings** → **Accessibility** → **Vision** → **TalkBack** → **Settings** → **Manage gestures**. Select a gesture, and then assign a feature to it.

The following features are available:

- **Back button**: Return to the previous screen.
- **Home button**: Open the Home screen.
- **Recent apps button**: Open the list of recently-used apps.
- **Open notifications**: Open the notifications panel.
- **Open global context menu**: Open the global contextual menu. Tap and hold the screen to open the circular global contextual menu. You can use features, such as **Quick navigation**, **Read from top**, **Spell last utterance**, and **Read from next item**. Then, explore menus by drawing a circle with your finger without releasing it. When you find the menu you want, release your finger from the menu to select it.

  Tap **Pause feedback** at the top left of the screen to pause voice feedback.

  Tap **TalkBack Settings** at the top right of the screen to access the TalkBack settings. Refer to Configuring settings for TalkBack for details.
- **Open local context menu**: Open the local contextual menu. You can select a unit for reading text on the screen. When you use this feature while entering text, contextual menus, such as the cursor control menu, are available. Tap and hold the screen to open the circular contextual menu. Then, explore menus by drawing a circle with your finger without releasing it. When you find the menu you want, release your finger from the menu to select it.
- **Read from top**: Read items aloud from the first item to the last item in order.
- **Read from next item**: Read items aloud starting from the item next to the selected item in order.

Changing reading units

When you use TalkBack, you can listen to the text on the screen. You can drag your finger up, down, left, or right to select the text you want. By default, the device reads text aloud in the selected area. Or, you can set the device to read text in other reading units, such as lines or paragraphs.

Changing reading units by using the local contextual menu

1 Select some text to read.

2 Drag your finger upwards, and then to the right without releasing it to open the local contextual menu.

3 Tap and hold the screen and draw a circle with your finger to explore menus. Then, release your finger when you hear **Change granularity**.

4 Tap and hold the screen again and draw a circle with your finger to explore menus. Then, release your finger when you hear the reading unit you want.

To change the shortcut gesture to open the local contextual menu, refer to Configuring settings for shortcut gestures.

Changing reading units using two-part vertical gestures

When you drag your finger upwards and then downwards on the screen, the reading unit changes. The reading unit changes to page, paragraph, line, word, character, and then default. When you drag your finger downwards and then upwards on the screen, the reading units change in reverse order.

On the Apps screen, tap **Settings** → **Accessibility** → **Vision** → **TalkBack** → **Settings** → **Manage gestures** → **Two-part vertical gestures** → **Cycle through reading granularities**.

You can listen to the text next to the currently-selected text using the current reading unit. To listen to the next section of text, drag you finger downwards or to the right on the screen. Also, you can listen to the text before the currently-selected text using the current reading unit. To listen to the previous section of text, drag your finger upwards or to the left on the screen.

Magnifying the screen

Use this feature to magnify the screen and to zoom in on a specific area.

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

- Zooming in and out: Tap the screen three times quickly to zoom in on a specific area. Tap the screen three times quickly again to return.
- Exploring the screen by scrolling: Use two fingers to scroll through the magnified screen.
- Adjusting zoom ratio: Tap the screen with two fingers on the magnified screen. Then, spread two fingers apart or pinch them together to adjust the ratio.

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

Setting notification reminders

Use this feature to alert you to notifications that you have not checked at the interval.

On the Apps screen, tap **Settings** → **Accessibility** → **Vision** → **Notification reminder**, and then drag the **Notification reminder** switch to the right.

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

Turning off all sounds

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

On the Apps screen, tap **Settings** → **Accessibility** → **Hearing**, and then tick **Turn off all sounds**.

Customising caption settings

Samsung caption

On the Apps screen, tap **Settings** → **Accessibility** → **Hearing** → **Samsung subtitles (CC)**, and then drag the **Subtitles (CC)** switch to the right.

Use the following options:

- **Alignment**: Change the position of the caption.
- **Font**: Change the font type.
- **Size**: Change the font size.
- **Edge**: Change the edge of the subtitle text.
- **Font**: Adjust the transparency and change the colour of the text.
- **Background**: Adjust the transparency and change the colour of the caption box background.
- **Caption window**: Adjust the transparency and change the colour of the caption window.

Google caption

On the Apps screen, tap **Settings** → **Accessibility** → **Hearing** → **Google subtitles (CC)**, and then drag the **Google subtitles (CC)** switch to the right.

Use the following options:

- **Language**: Select a display language for the caption.
- **Text size**: Change the font size.
- **Caption style**: Change the caption style.

Adjusting the sound balance

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

To adjust the sound balance, connect a dual headset to the device. On the Apps screen, tap **Settings** → **Accessibility** → **Hearing** → **Sound balance**. Drag the adjustment bar to the left or right and adjust the sound balance, and then tap **Set**.

Using mono audio

Set the device to enable mono sound when you listen to audio with one earbud. You can use this mode if you have hearing impairments or in situations when a single earbud is more convenient.

On the Apps screen, tap **Settings** → **Accessibility** → **Hearing**, and then tick **Mono audio**.

Using auto haptic

Set the device to vibrate when playing sounds in downloaded apps, such as games.

On the Apps screen, tap **Settings** → **Accessibility** → **Hearing**, and then tick **Auto haptic**.

Some apps may not support this feature.

Using the assistive menus

Displaying the assistive shortcut icon

Set the device to display the assistive shortcut icon. You can use the icon to access apps, features, and settings by tapping assistive menus in the icon. Control the device by tapping the assistive menus in the icon without exploring the screen. When this feature is launched, **Single tap mode** is activated.

1 On the Apps screen, tap **Settings** → **Accessibility** → **Dexterity and interaction** → **Assistant menu**.

2 Drag the **Assistant menu** switch to the right.

The assistive shortcut icon appears at the bottom right of the screen.

3 Tap **Dominant hand** to move the assistive shortcut icon to a convenient location.

Accessing assistive menus

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

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

Using the cursor

On the assistive menu, tap **Cursor**. A cursor and a touch area where the cursor can be controlled are displayed on the screen. You can control the screen using small finger movements on the touch area. Drag your finger on the touch area to move the cursor. Also, tap the screen to select items under the cursor.

Use the following options:

- ≪ / ≫ : Select an item or scroll left or right on the screen.
- ⌃ / ⌄ : Scroll up or down the screen.
- ✣ : Move the touch area to another location.
- ✕ : Close the touch area.

To change the cursor settings, on the Apps screen, tap **Settings** → **Accessibility** → **Dexterity and interaction** → **Assistant menu**, drag the **Assistant menu** switch to the right, and then use options under **TOUCHPAD AND CURSOR SETTINGS**.

Using enhanced assistive menus

Set the device to display enhanced assistive menus for selected apps. For example, when you launch **Messages**, searching and composing functions appear on the assistive menu.

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

Editing the assistive menus

You can use this feature to edit menus in the assistive shortcut icon.

On the Apps screen, tap **Settings** → **Accessibility** → **Dexterity and interaction** → **Assistant menu**, drag the **Assistant menu** switch to the right, and then tap **Edit**. To add or delete menus, tap ⊕ or ⊖.

Using the smart scroll feature

Set the device to scroll the screen up or down by tilting your head or the device. You can use this feature while viewing emails or webpages.

On the Apps screen, tap **Settings** → **Accessibility** → **Dexterity and interaction** → **Smart scroll**, and then drag the **Smart scroll** switch to the right.

Use the following options:

- **Tilting head**: Set the device to scroll the screen up or down when you tilt your head upwards or downwards.
- **Tilting device**: Set the device to scroll the screen up or down when you tilt the device forwards or backwards.
- **Scroll Speed**: Adjust the speed for scrolling the screen.
- **Visual feedback display**: Set the device to display a visual feedback icon when the device recognises your action.

Setting tap and hold delay options

Set the recognition time for tapping and holding the screen.

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

Using interaction control mode

Activate interaction control mode to restrict the device's reaction to inputs while using apps. Use this mode when you want to allow others only limited access and control of your media or data.

1 On the Apps screen, tap **Settings** → **Accessibility** → **Dexterity and interaction** → **Interaction control**.

2 Drag the **Interaction control** switch to the right.

3 Press and hold the Home button and the Volume button down simultaneously while using an app.

4 Adjust the size of the frame or draw a line around an area that you want to restrict.

5 Tap **Done**.

The device displays the restricted area. If you tap the screen or press buttons, such as the Home button, they will not work in this area.

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

Answering or ending calls

Set the method for answering or ending calls.

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

Use the following options:

- **Pressing the home key**: Set the device to answer a call when you press the Home button.
- **Using voice commands**: Set the device to answer a call with voice commands.
- **Pressing the power key**: Set the device to end a call when you press the Power button.

Using single tap mode

Set the device to control incoming calls or notifications by tapping the button instead of dragging it. When an alarm sounds or a call comes in, tap the button to stop the alarm or answer the call instead of dragging the button.

On the Apps screen, tap **Settings** → **Accessibility**, and then tick **Single tap mode**.

Configuring accessibility settings

Saving accessibility settings in a file

Export the current accessibility settings in a file.

On the Apps screen, tap **Settings** → **Accessibility** → **Manage accessibility** → **Import/Export**, select an export option, and then tap **OK**. The accessibility settings file is saved to the selected storage location.

Importing an accessibility settings file

Import an accessibility settings file and update the current settings.

On the Apps screen, tap **Settings** → **Accessibility** → **Manage accessibility** → **Import/Export**, and then select an import option. Select a file to import and tap **Done** → **OK**. The accessibility settings will be updated according to the imported file.

Sharing accessibility settings files

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

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

Viewing accessibility services

View accessibility services installed on the device.

On the Apps screen, tap **Settings** → **Accessibility**, and view the list of accessibility services available in **SERVICES**.

Using other useful features

- Using S Voice: You can use **S Voice** to perform various functions using voice commands. Launch **S Voice** and make calls, send messages, and view tasks. Refer to S Voice for details.
- Searching by voice: Use voice commands to search for webpage content. Use this feature when you are on the move and cannot use your hands to enter text. Refer to Voice Search for details.
- Using notifications panel: Drag the status bar downwards to open the notifications panel. You can view missed calls, new messages, adjust screen brightness, and more. Refer to Notifications and quick setting panels for details.
- Switching to easy mode: Easy mode uses a simpler layout and large icons to provide an easy user experience. You can add frequently-used apps or shortcuts to the Home screen for easier access. Refer to Switching to easy mode for details.
- Using control motions: Control the device with palm motions or gestures. Refer to Control motions for details.
- Using shortcuts to contacts: Add shortcuts to contacts on the Home screen to make calls or send messages more conveniently. Refer to Adding shortcuts for contacts to the Home screen for details.
- Using voice recorder: Record or play voice memos. Refer to Voice Recorder for details.

Troubleshooting

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

The subject's eyes appear red

Red eyes occur when the subject's eyes reflect light from the camera flash.

Set the flash option to **Red-eye**.

Photos have dust spots

If dust particles are present in the air, you may capture them in photos when you use the flash.

- Turn the flash off or avoid taking photos in a dusty place.
- Adjust the ISO sensitivity.

Photos are blurred

Blurring can occur if you take photos in low-light conditions or hold the device incorrectly.

- Half-press the Shutter button to ensure the subject is focused.
- Set the image stabiliser option.

Photos are blurred when shooting at night

As the camera tries to let in more light, the shutter speed slows. This can make it difficult to hold the camera steady long enough to take a clear picture and may result in device shake.

- Set **Night** in night mode.
- Turn the flash on.
- Adjust the ISO sensitivity.

Subjects come out too dark because of backlighting

When the light source is behind the subject or when there is a high contrast between light and dark areas, the subject may appear too dark.

- Avoid shooting toward the sun.
- Set the flash option to **Fill in**.
- Adjust the exposure value.
- Set the metering option to **Spot** if a subject is in the centre of the frame.

When you cannot turn on the device

- Ensure that the battery is inserted. Refer to Installing the SIM or USIM card and battery for details.
- Charge the battery.

When you cannot take photos or videos

- Your storage may be full. Delete unnecessary files, or insert a new memory card.
- Format the memory card.
- The memory card may be defective. Purchase a new card.
- Ensure that the device is turned on.
- Charge the battery.
- Ensure that the battery is inserted. Refer to Installing the SIM or USIM card and battery for details.

When the flash is not functional

- The flash option may be set to **Off**.
- In some modes, the flash is disabled.

When the flash fires unexpectedly

The flash may fire unexpectedly due to static electricity. The device is not malfunctioning.

When the colours in the photo do not match the actual scene

Select an appropriate white balance option to suit the light source. Refer to WB (light source) for details.

When the photo is too bright

- Turn the flash off.
- Adjust the ISO sensitivity.
- Adjust the exposure value. Refer to EV for details.

When the photo is too dark

- Turn the flash on.
- Adjust the ISO sensitivity.
- Adjust the exposure value. Refer to EV for details.

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 details, 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. Contact your service provider for more details.

Your device does not turn on

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

The touch screen responds slowly or improperly

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

Your device freezes or has fatal errors

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

If this does not solve the problem, perform a factory data reset. On the Apps screen, tap **Settings** → **Backup and reset** → **Factory data reset** → **Reset device** → **Erase everything**. Before performing the factory data reset, remember to make backup copies of all important data stored on the device.

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

Calls are not connected

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

Others cannot hear you speaking on a call

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

Sound echoes during a call

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

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

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

The battery icon is empty

Your battery is low. Recharge or replace 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 batteries in some devices are not user-replaceable. To have the battery replaced, visit a Samsung Service Centre.

The battery depletes faster than when first purchased

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

Your device is hot to the touch

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

Error messages appear when launching the camera

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

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

Photo quality is poorer than the preview

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

Error messages appear when opening multimedia files

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

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

Another Bluetooth device is not located

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

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

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

- Ensure that the USB cable you are using is compatible with your device.
- Ensure that you have the proper driver installed and updated on your computer.
- If you are a Windows XP user, ensure that you have Windows XP Service Pack 3 or higher installed on your computer.
- Ensure that you have Samsung Kies or Windows Media Player 10 or higher installed on your computer.

Your device cannot find your current location

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

Data stored on the device has been lost

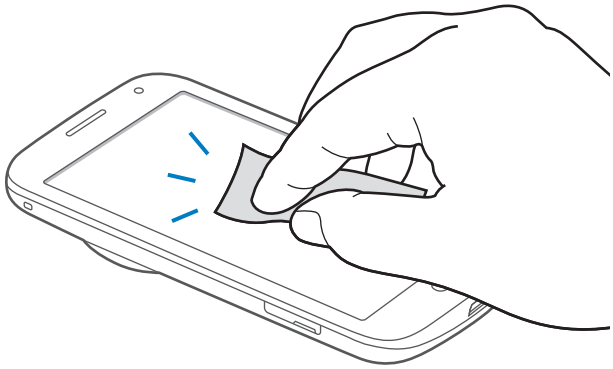
Always make backup copies of all important data stored on the device. Otherwise, you cannot restore data if it is corrupted or lost. Samsung is not responsible for the loss of data stored on the device.

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.

Cleaning the device

Use a blower brush to remove dust, and then wipe the lens gently with a soft cloth. If any dust remains, apply lens cleaning liquid to a lens cleaning paper, and wipe gently.



Never use benzene, thinners, or alcohol to clean the device. These solutions can damage the device or cause it to malfunction.

Do not press on the lens cover, or use a blower brush on the lens cover.

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