SAMSUNG

SM-T670
SM-T677
SM-T677Y

User Manual

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www.samsung.com

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Basics

Read me first

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

- Descriptions are based on the device's default settings.
- Some content may differ from your device depending on the region, service provider, model specifications, or device's software.
- Content (high quality content) that requires high CPU and RAM usage will affect the overall performance of the device. Apps related to the content may not work properly depending on the device's specifications and the environment that it is used in.
- Samsung is not liable for performance issues caused by apps supplied by providers other than Samsung.
- Samsung is not liable for performance issues or incompatibilities caused by edited registry settings or modified operating system software. Attempting to customise the operating system may cause the device or apps to work improperly.
- Software, sound sources, wallpapers, images, and other media provided with this device are licensed for limited use. Extracting and using these materials for commercial or other purposes is an infringement of copyright laws. Users are entirely responsible for illegal use of media.
- You may incur additional charges for data services, such as messaging, uploading and downloading, auto-syncing, or using location services depending on your data plan. For large data transfers, it is recommended to use the Wi-Fi feature.
- Default apps that come with the device are subject to updates and may no longer be supported without prior notice. If you have questions about an app provided with the device, contact a Samsung Service Centre. For user-installed apps, contact service providers.
- Modifying the device's operating system or installing softwares from unofficial sources may result in device malfunctions and data corruption or loss. These actions are violations of your Samsung licence agreement and will void your warranty.

- Depending on the region or model, some devices are required to receive approval from the Federal Communications Commission (FCC). If your device is approved by the FCC, you can view the FCC ID of the device. To view the FCC ID, tap **Apps** → **Settings** → **About device**.

Instructional icons

Warning: situations that could cause injury to yourself or others

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

Notice: notes, usage tips, or additional information

Package contents

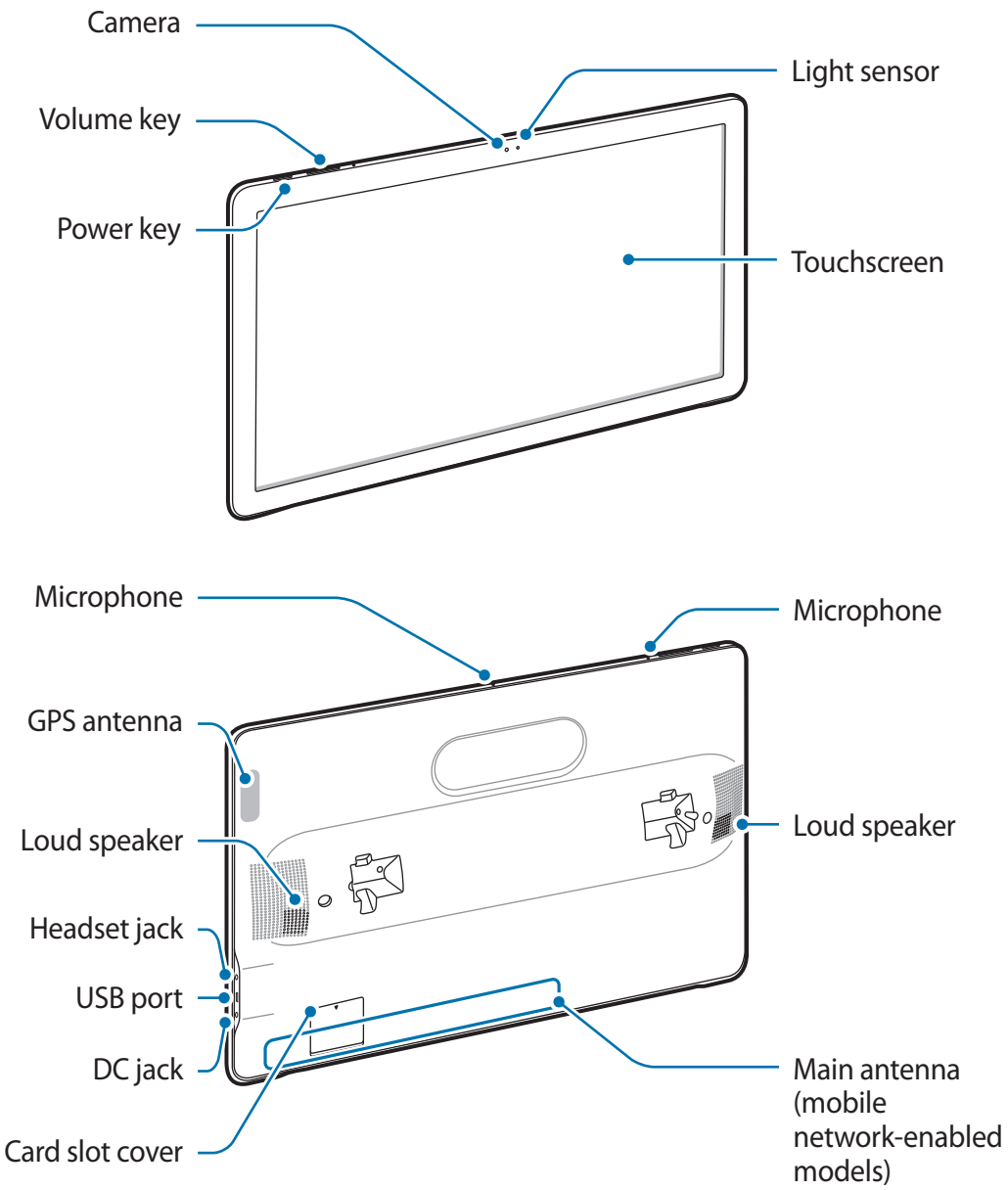
Check the product box for the following items:

- Device
- Quick start guide

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

Device layout

Device



- Do not cover the antenna area with your hands or other objects. This may cause connectivity problems or drain the battery.
- Using a Samsung-approved screen protector is recommended. Unapproved screen protectors may cause the sensors to malfunction.
- Do not allow water to contact the touchscreen. The touchscreen may malfunction in humid conditions or when exposed to water.

Keys

Key	Function
Power	• Press and hold to turn the device on or off. • Press to turn on or lock the screen.
Volume	• Press to adjust the device volume.

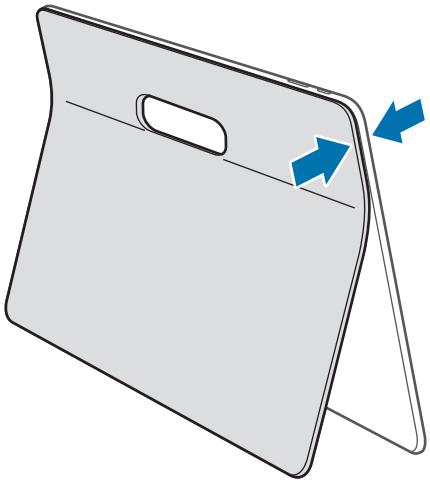
Stand

Use you device as a monitor for watching TV or movies, or for sharing content. You can also use the handle on the stand to carry the device.

Always leave the stand attached to the device.

Using the stand

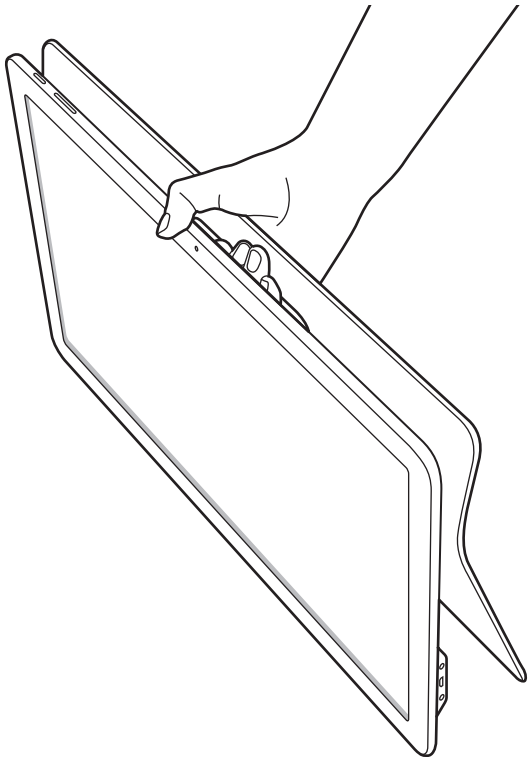
When you stand the device up, always ensure that the upper part of the stand and the device are connected. Also, place the device on a flat surface. If you do not, the device may fall and be damaged.



Carrying the device

You can hold the stand's handle and carry the device.

To hold the device safely, put your fingers through the handle and place them between the device and the stand.



Battery

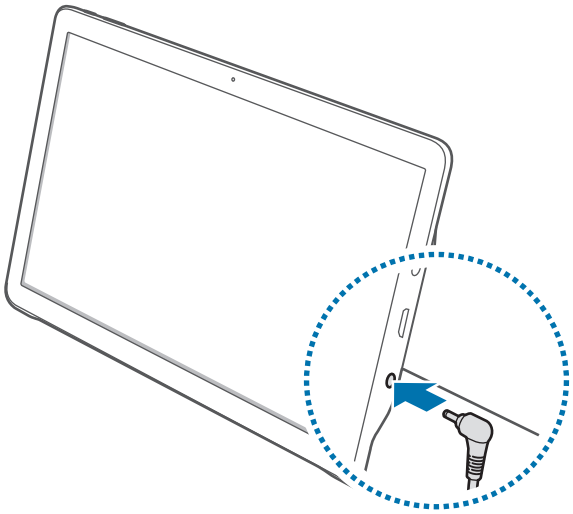
Charging the battery

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

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

You cannot charge the battery using a USB cable. Use the charger to charge the battery.

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



- Connecting the charger improperly may cause serious damage to the device. Any damage caused by misuse is not covered by the warranty.
- Do not plug the charger into the headset jack.

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

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.

Viewing the remaining charging time

While charging, open the Home screen and tap **Apps** → **Settings** → **Battery**.

The actual charging time may vary depending on the status of your device and the charging conditions. The remaining charging time may not be displayed when you charge the device in very cold or very hot conditions.

Reducing the battery consumption

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

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

Battery charging tips and precautions

- When the battery power is low, the battery icon appears empty.
- If the battery is completely discharged, the device cannot be turned on immediately when the charger is connected. Allow a depleted battery to charge for a few minutes before turning on the device.
- If you use multiple apps at once, network apps, or apps that need a connection to another device, the battery will drain quickly. To avoid disconnecting from the network or losing power during a data transfer, always use these apps after fully charging the battery.
- The device can be used while it is charging, but it may take longer to fully charge the battery.
- If the device receives an unstable power supply while charging, the touchscreen may not function. If this happens, unplug the charger from the device.
- While charging, the device and the charger may heat up. This is normal and should not affect the device's lifespan or performance. If the battery gets hotter than usual, the charger may stop charging.
- If the device is not charging properly, take the device and the charger to a Samsung Service Centre.

Power saving mode

Save the battery power by limiting the device's functions.

On the Home screen, tap **Apps** → **Settings** → **Battery** → **Power saving mode**, and then tap the switch to activate it.

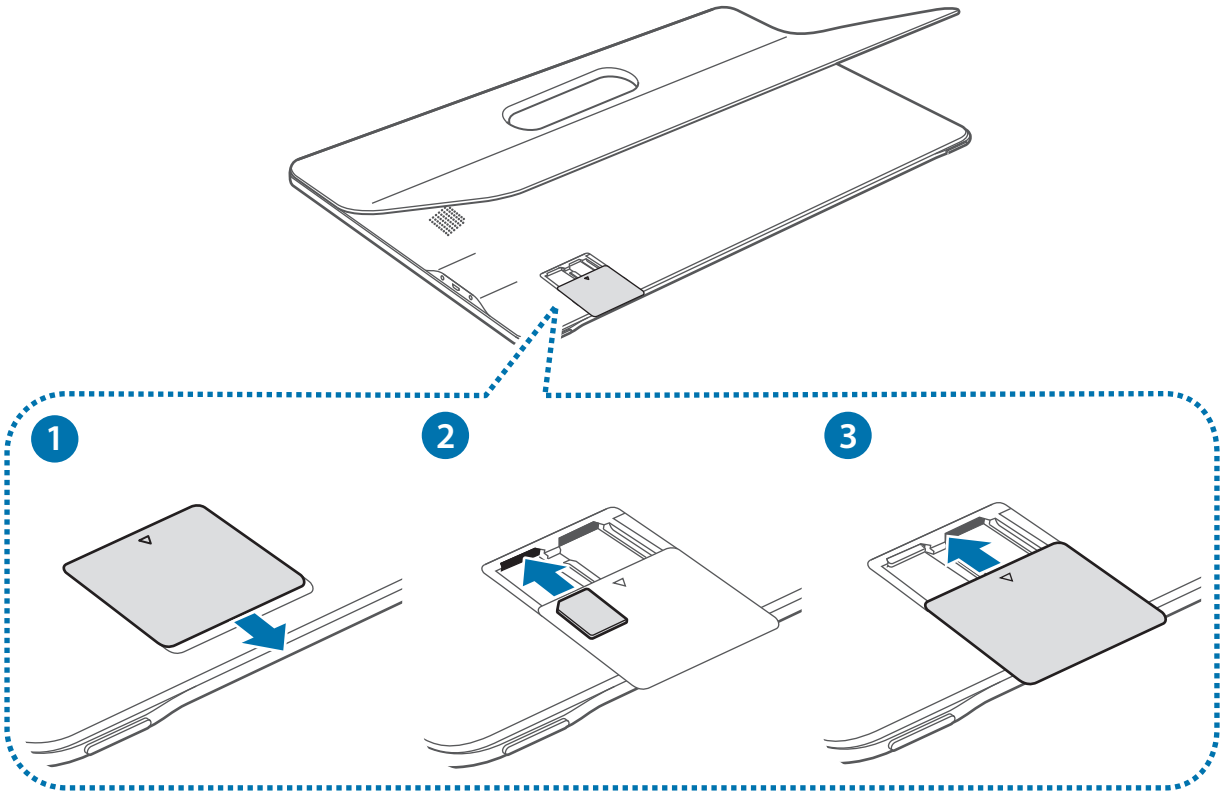
To automatically activate power saving mode when the remaining battery power reaches the preset level, tap **Start power saving** and select an option.

SIM or USIM card (mobile network-enabled models)

Installing the SIM or USIM card

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

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



1 Slide the card slot cover to open.

The card slot cover is not detachable. If you forcibly remove the card slot cover, the cover and the device may be damaged. Do not slide the cover excessively.

2 Insert the SIM or USIM card with the gold-coloured contacts facing downwards. Then, push the SIM or USIM card into the slot until it locks in place.

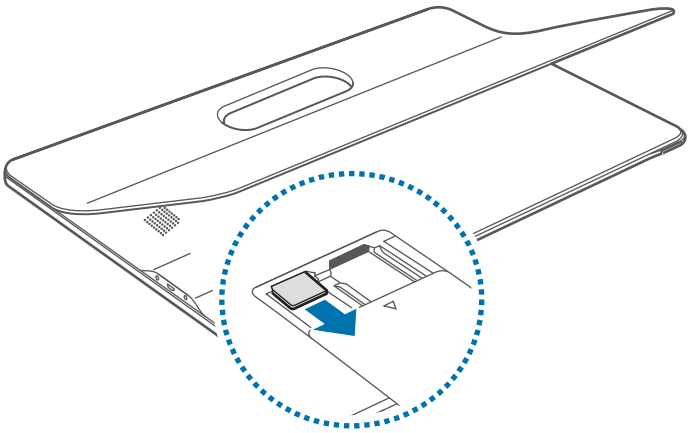
- Do not insert a memory card into the SIM card slot. If a memory card happens to be lodged in the SIM card slot, take the device to a Samsung Service Centre to remove the memory card.
- Use caution not to lose or let others use the SIM or USIM card. Samsung is not responsible for any damages or inconveniences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

3 Slide the card slot cover to close.

Removing the SIM or USIM card

1 Slide the card slot cover to open.

2 Push the SIM or USIM card until it disengaged from the slot, and then pull it out.



3 Slide the card slot cover to close.

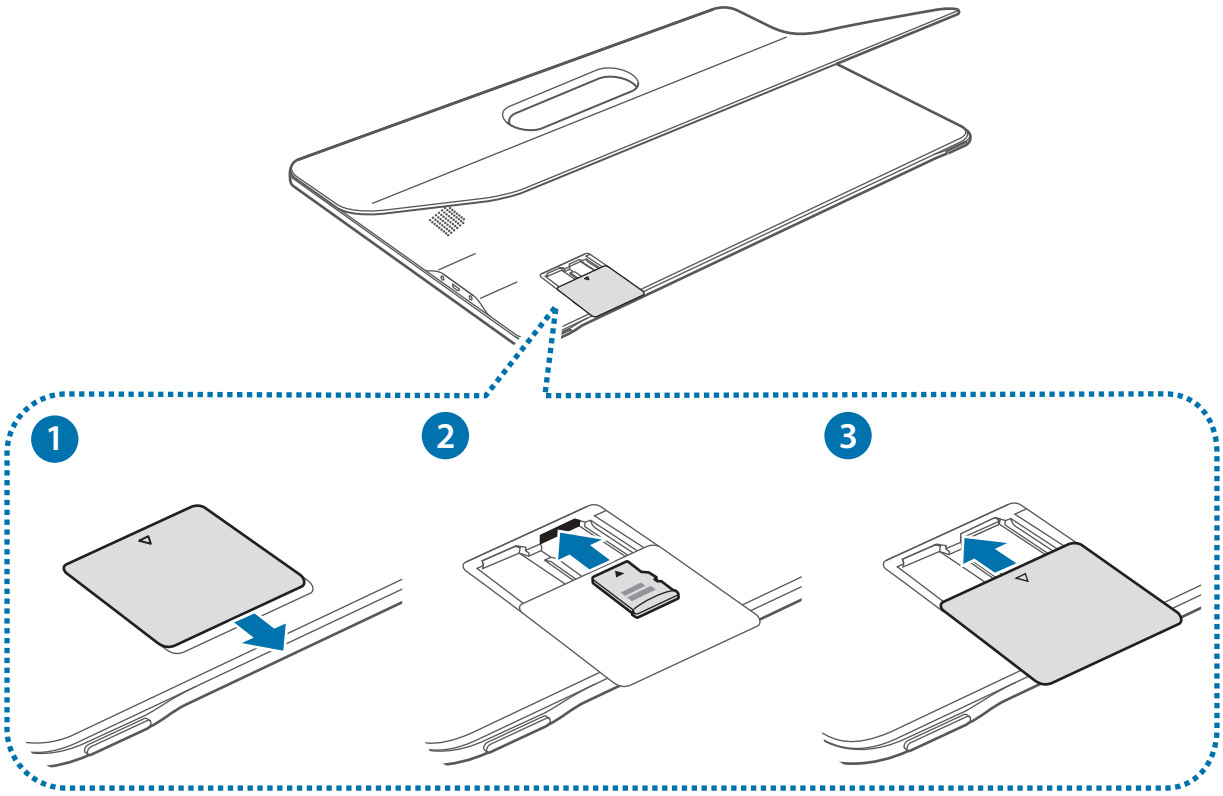
Memory card

Installing a memory card

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

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

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



1 Slide the card slot cover to open.

The card slot cover is not detachable. If you forcibly remove the card slot cover, the cover and the device may be damaged. Do not slide the cover excessively.

2 Insert a memory card with the gold-coloured contacts facing downwards. Then, push the memory card into the slot until it locks in place.

3 Slide the card slot cover to close.

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 Slide the card slot cover to open.

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

3 Slide the card slot cover to close.

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 in the memory card. The manufacturer's warranty does not cover loss of data resulting from user actions.

Turning the device on and off

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

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

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

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

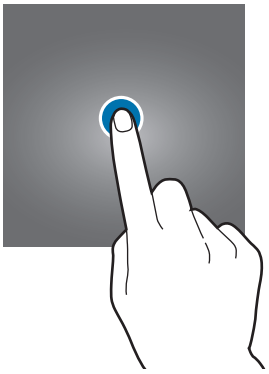
Touchscreen

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

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

Tapping

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

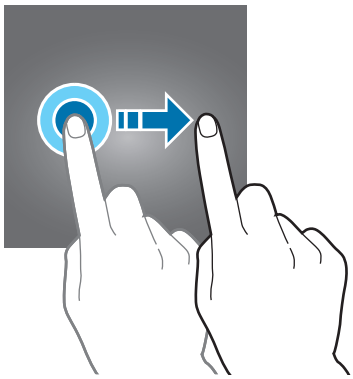


Tapping and holding

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

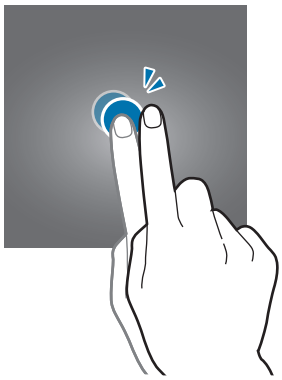
Dragging

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



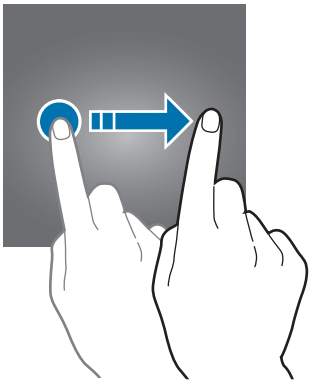
Double-tapping

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



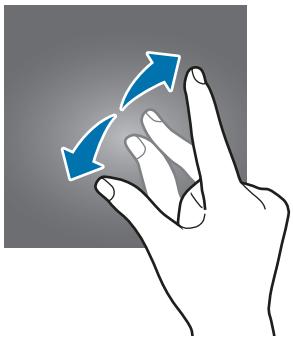
Swiping

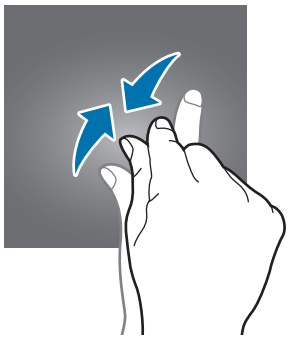
Swipe to the left or right on the Home screen or the Apps screen to view other panels. Swipe upwards or downwards to scroll through a webpage or a list of items, such as contacts.



Spreading and pinching

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



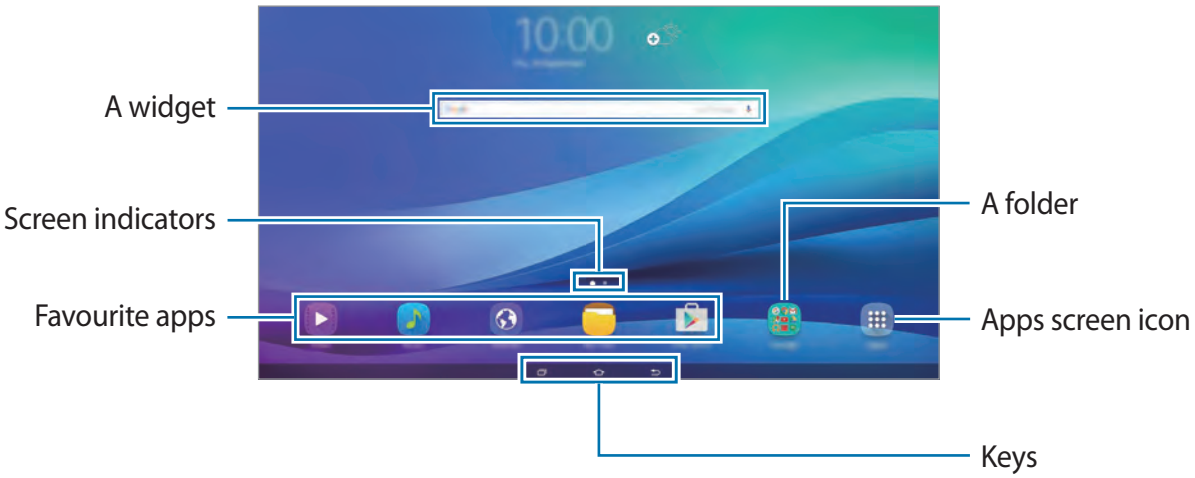


Home screen

Home screen

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

To view other panels, swipe to the left or right.



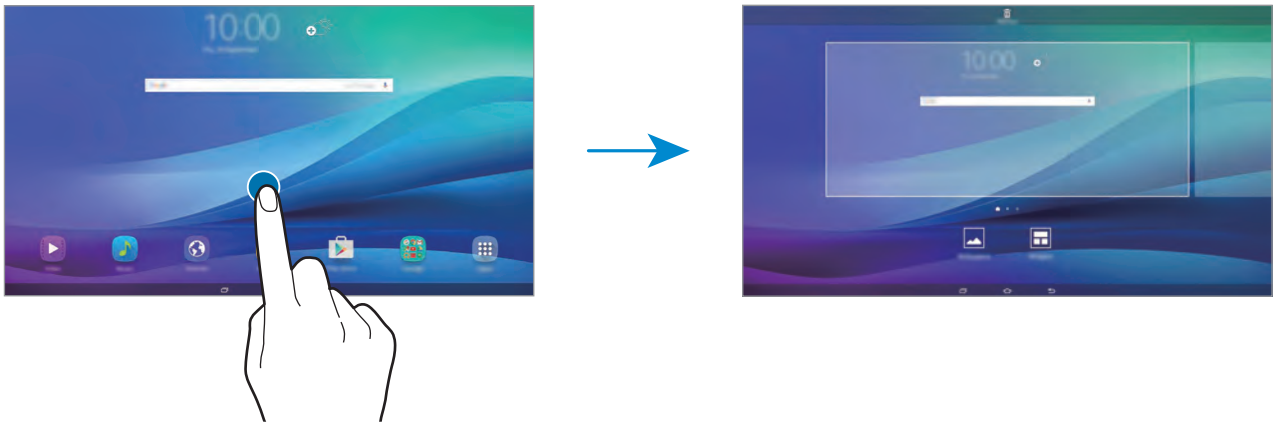
Keys

Key	Function
Recents	• Tap to open the list of recent apps. • Tap and hold to launch the split screen view.
Home	• Tap to return to the Home screen. • Tap and hold to launch **Google**.
Back	• Tap to return to the previous screen.

Home screen options

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

- **Wallpapers**: Change the wallpaper settings for the Home screen and the locked screen.
- **Widgets**: Add widgets to the Home screen. Widgets are small apps that launch specific app functions to provide information and convenient access on your 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, tap and hold an empty area on the Home screen, 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.

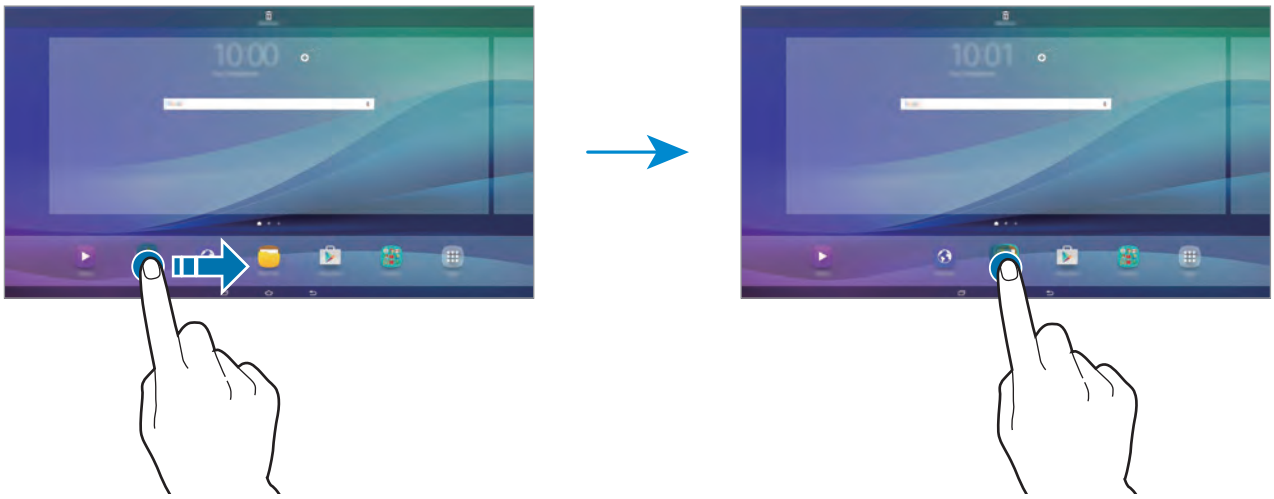
To remove an item, tap and hold the item. Then, drag it to **Remove** at the top of the screen.

Creating folders

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

2 Drop the app when a folder frame appears around the apps.

A new folder containing the selected apps will be created.



3 Tap **Enter folder name** and enter a folder name.

To change the folder colour, tap .

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

Managing panels

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

To add a panel, swipe to the left, 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.

Apps screen

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

On the Home screen, tap **Apps** to open the Apps screen. To view other panels, swipe to the left or right.

Moving items

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

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.

Creating folders

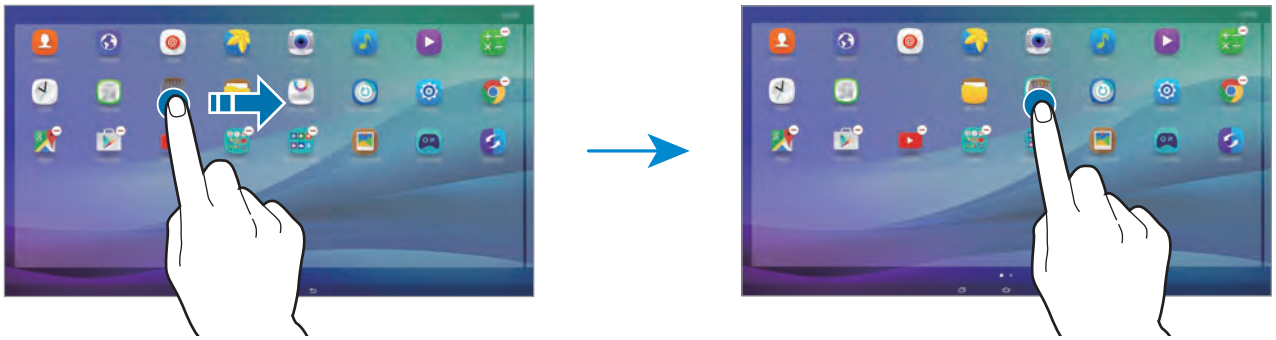
This feature may not be available depending on the region or service provider.

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

2 Tap and hold an app, and then drag it over another app.

3 Drop the app when a folder frame appears around the apps.

A new folder containing the selected apps will be created.



4 Tap **Enter folder name** and enter a folder name.

To change the folder colour, tap .

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

Indicator icons

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

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

Icon	Meaning
	No signal (mobile network-enabled models)
	Signal strength (mobile network-enabled models)
	Roaming (outside of normal service area) (mobile network-enabled models)
	GPRS network connected (mobile network-enabled models)
	EDGE network connected (mobile network-enabled models)
	UMTS network connected (mobile network-enabled models)
	HSDPA network connected (mobile network-enabled models)
	HSPA+ network connected (mobile network-enabled models)
	LTE network connected (mobile network-enabled models)
	Wi-Fi connected
	Bluetooth feature activated
	GPS activated
	Alarm activated
	Mute mode activated
	Flight mode activated
	Error occurred or caution required
	Battery power level

Lock screen

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

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

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

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

Pattern

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

PIN

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

Password

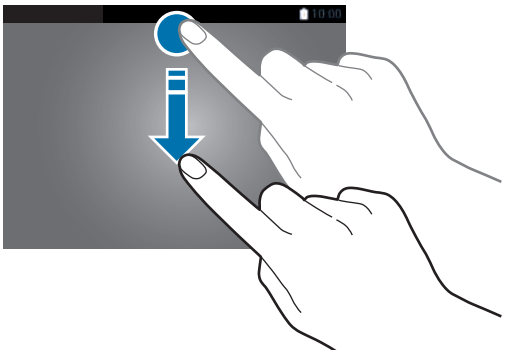
A password consists of characters and numbers. Enter at least four characters including numbers and symbols, and then enter the password again to verify it.

Notification panel

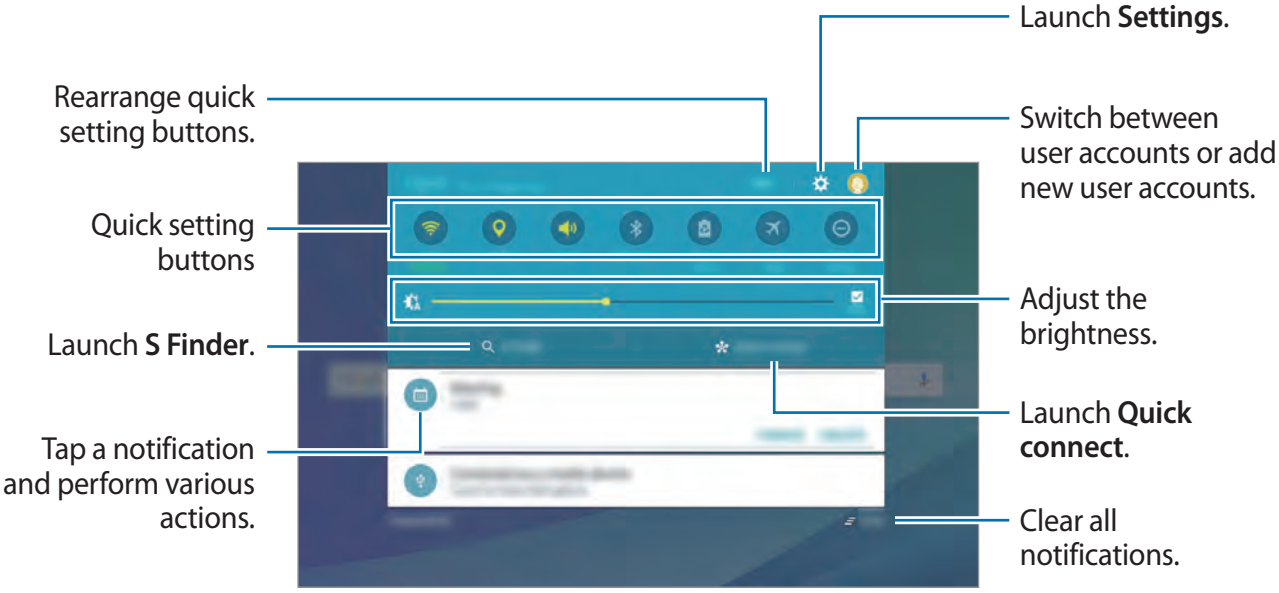
Using the notification panel

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

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



You can use the following functions on the notification panel.



Using quick setting buttons

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

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

S Finder

Search for a wide variety of content with a keyword.

Searching for content on the device

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

Enter a keyword in the search field or tap 🎤 and say a keyword.

To get more refined results, tap the filter buttons under the search field, and then select filter details.

Setting search categories

You can set search categories to search for content in specific search fields.

Tap **MORE** → **Select search locations** and select categories.

Quick connect

Automatically search for nearby devices and quickly connect to them.

- If the device you want to connect does not support the Quick connect feature, activate its Wi-Fi Direct feature before launching **Quick connect** on your device.
- Connection methods may vary depending on the type of connected devices or the shared content.

Connecting to other devices

1 Open the notification panel and tap **Quick connect**.

If you are using this feature for the first time, select a visibility option and tap **ENABLE QUICK CONNECT**.

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

If you have installed Samsung Link on your device, the list of devices registered with Samsung Link will appear at the top of the screen. For more information about Samsung Link, visit link.samsung.com.

2 Select a device from the list and connect to it by following the on-screen instructions.

The next steps may vary depending on the connected device.

To change your device's visibility setting, tap **SETTINGS** → **Device visibility**, and then select an option.

Re-searching for devices

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

Tap **REFRESH** and select the device from the list of detected devices.

Sharing content

Share content with the connected devices.

1 Open the notification panel and tap **Quick connect**.

2 Select a device from the list of detected devices.

3 Tap **Share content** and select a media category.

4 Follow the on-screen instructions to send content to the connected device.

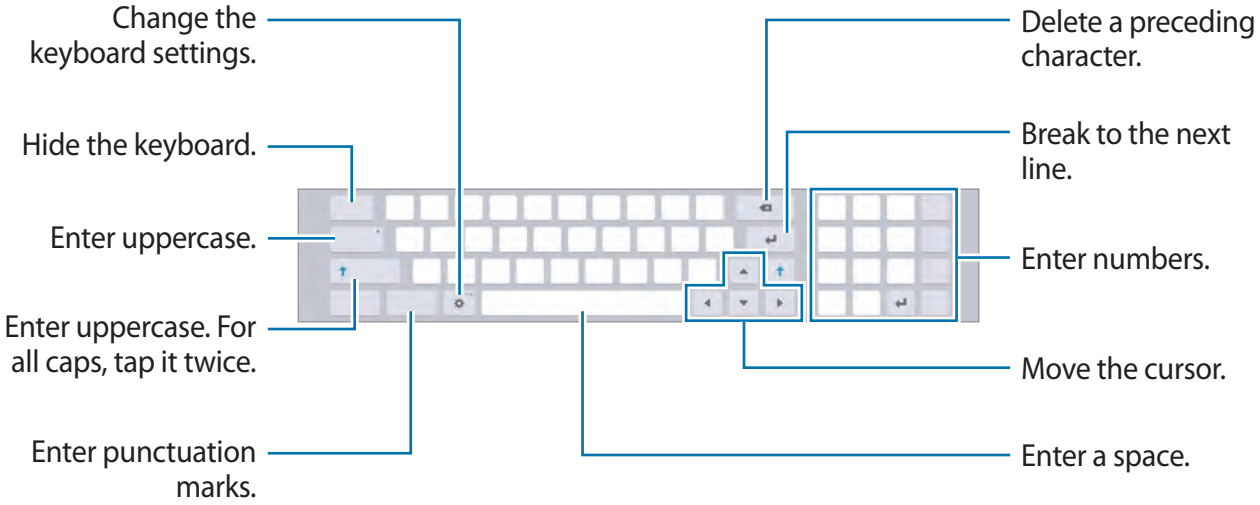
The next steps may vary depending on the selected media category.

Entering text

Keyboard layout

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

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



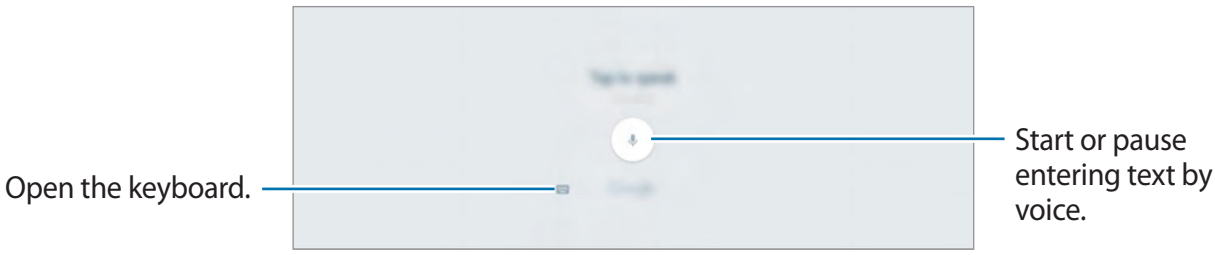
Changing the input language

Tap ⚙ → **Input languages** → **Add input languages**, and then select the languages to use. When you select two or more languages, you can switch between the input languages by swiping to the left or right on the space key.

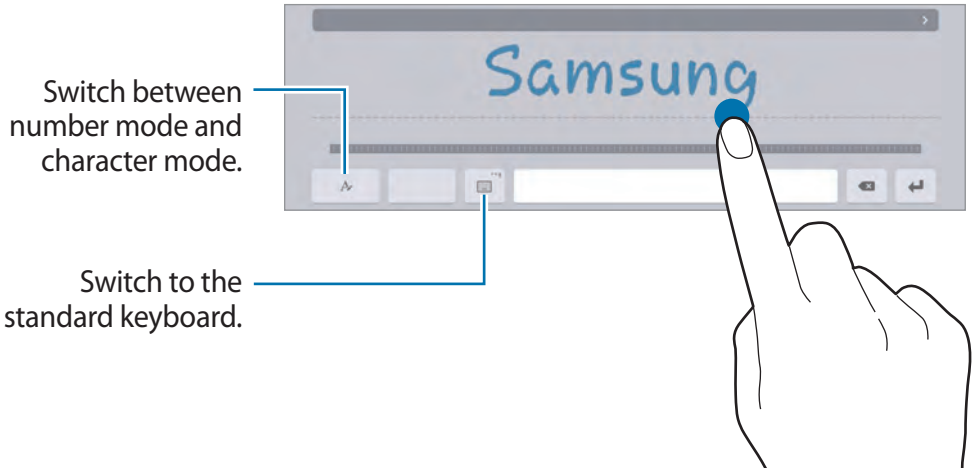
Additional keyboard functions

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

- 🎤 : Enter text by voice.



- T : Switch to handwriting mode.



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

- 📋 : Add an item from the clipboard.
- ☺ : Enter emoticons.
- ⌨ : Switch to the floating or split keyboard. You can move the keyboard to another location by dragging the tab.
- ⚙ : Change the keyboard settings.

Copying and pasting

1 Tap and hold over text.

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

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

The selected text is copied to the clipboard.

4 Tap and hold where the text is to be inserted and tap **Paste**.

To paste text that you have previously copied, tap **Clipboard** and select the text.

Screen capture

Capture a screenshot while using the device.

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

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

Opening apps

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

To open an app from the list of recently used apps, tap and select a recent app window.

Closing an app

Tap and drag a recent app window up or down to close it. To close all running apps, tap **CLOSE ALL**.

Multi window

Introduction

Multi window lets you run two apps at the same time in the split screen view. You can also run multiple apps at the same time in the pop-up view.

Some apps may not support this feature.

Split screen view

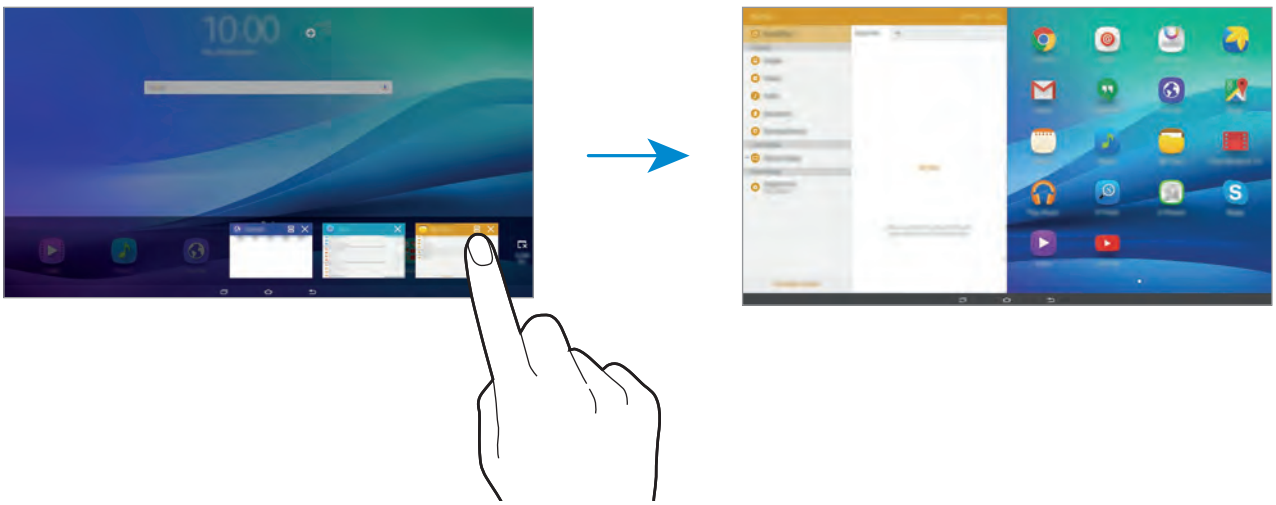
Pop-up view

Split screen view

1 Tap ▭ to open the list of recently used apps.

2 Swipe to the left or right and tap ⊟ on a recent app window.

The selected app will launch in the left window.

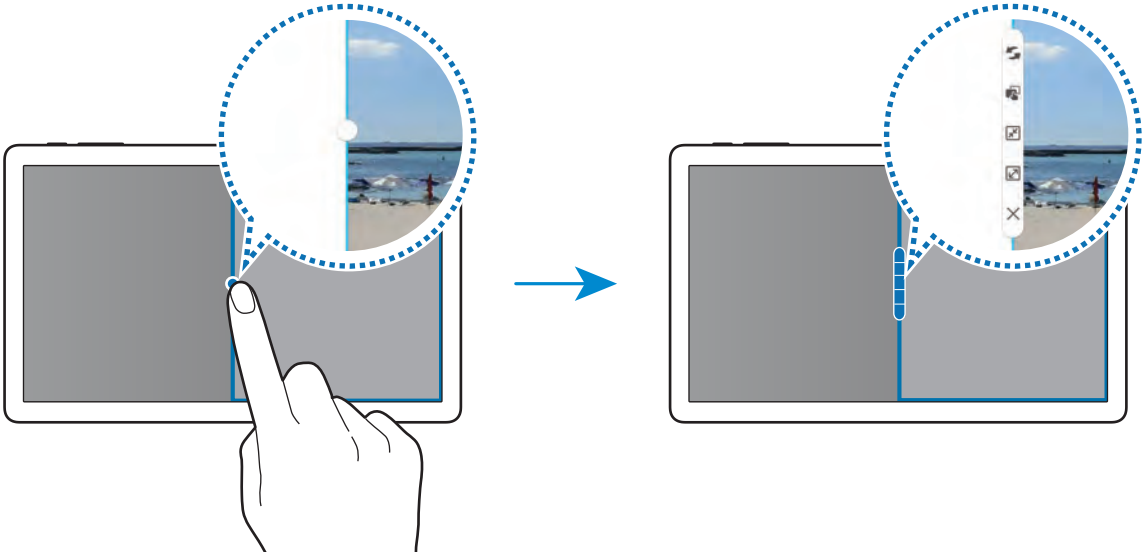


3 Select another app to launch.

You can also launch the split screen view by tapping and holding ▭.

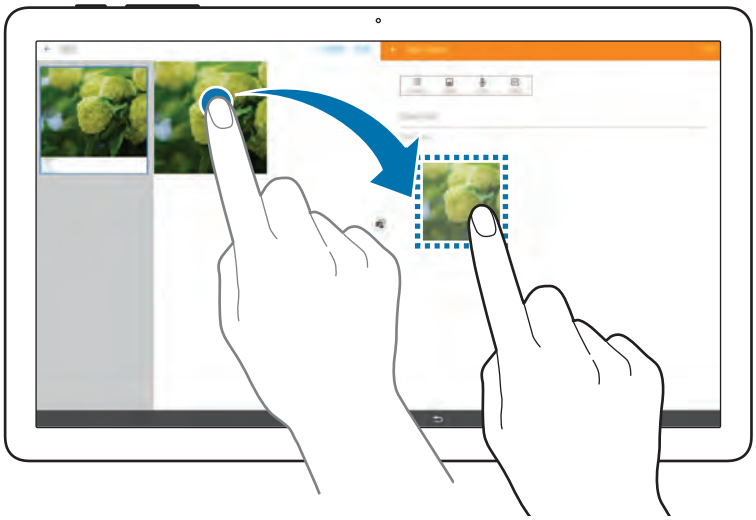
Using additional options

When using apps in the split screen view, select an app window and tap the circle between the app windows to access the following options:



- ⇄ : Switch locations between app windows.

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

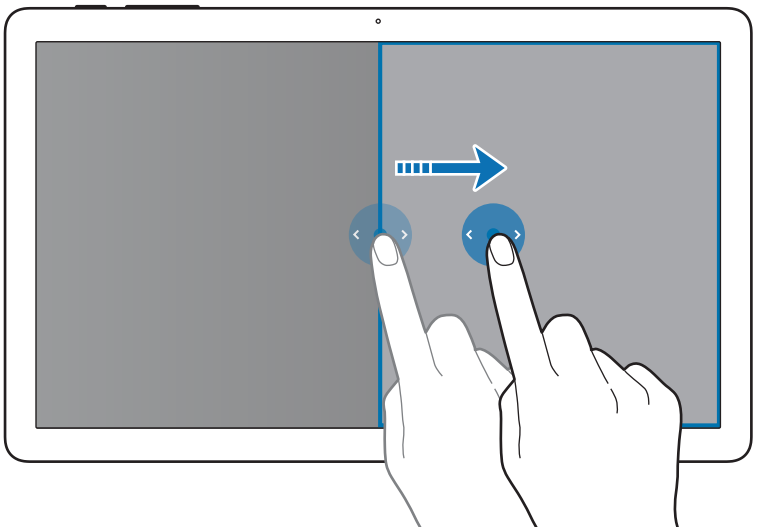


Some apps may not support this feature.

- : Minimise the window.
- : Maximise the window.
- : Close the app.

Adjusting the window size

Drag the circle between the app windows to the left or right to adjust the size of the windows.

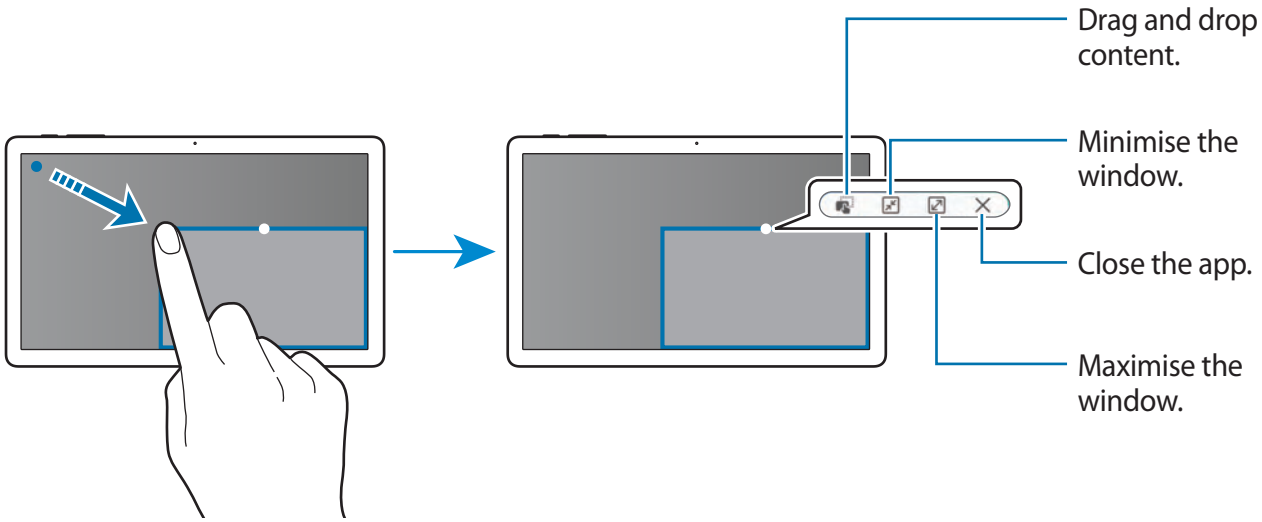


Pop-up view

1 On the Apps screen, launch an app to use in the pop-up view.

2 Drag down diagonally from either end of the top edge.

The app screen will appear in the pop-up view.



Moving pop-up windows

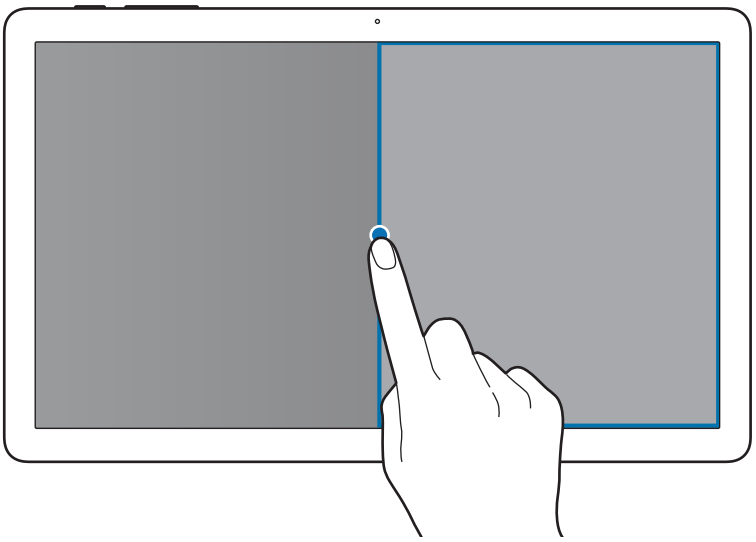
To move a pop-up window, tap and hold the circle on a window and drag it to a new location.

Launching the pop-up view from the split screen view

1 On the split screen view, tap an app window to launch it in the pop-up view.

2 Tap and hold the circle between the app windows.

The selected app will launch in a pop-up window.



Device and data management

Transferring data from your previous device

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

The following versions of Samsung Smart Switch are available.

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

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

Transferring data from a mobile device

Transfer data from your previous device to your new device.

When you turn on your new device for the first time, tap **DOWNLOAD AND OPEN** in the Smart Switch installation pop-up window to install the app. Alternatively, download and install Smart Switch from **Galaxy Apps** or **Play Store**.

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

Transferring data from a computer

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

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

2 On the computer, launch Smart Switch.

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

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

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

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

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

Using the device as a removable disk for data transfer

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

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

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

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

2 Open the notification 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.

Updating the device

The device can be updated to the latest software.

Updating over the air

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

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

To automatically check for available updates, tap the **Auto update** switch to activate it.

Updating with Smart Switch

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

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

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

Backing up and restoring data

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

Using a Samsung account

On the Apps screen, tap **Settings** → **Backup and reset** → **Back up my data**, select the items to back up, and then tap **BACK UP NOW**.

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

To restore data using a Samsung account, tap **Restore**. Current data will be deleted from the device to restore the selected items.

Using a Google account

On the Apps screen, tap **Settings** → **Backup and reset**, and then tap the **Back up my data** switch to activate it. Tap **Backup account** and select an account as the backup account.

To restore data using a Google account, tap the **Automatic restore** switch to activate it. When you reinstall apps, backed up settings and data will be restored.

Performing a data reset

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

On the Apps screen, tap **Settings** → **Backup and reset** → **Factory data reset** → **RESET DEVICE** → **ERASE EVERYTHING**. The device automatically restarts.

Connecting to a TV

Introduction

Register a TV to your device to easily share content between them.

- This feature is compatible with Samsung Smart TVs released in 2015 or later that support the Bluetooth Low Energy (BLE) feature.
- Some files may be buffered during playback, depending on the network connection.

Registering a TV

Register a TV to your device. Once you register a TV, you can easily share the screen between your device and TV and use the Briefing on TV feature.

1 Turn on the TV and place your device close to the TV.

2 Open the notification panel and tap **Quick connect**.

3 Select the TV and tap **Register TV**.

Sharing screen

You can mirror your device's screen on a TV or vice versa.

Mirroring your device's screen to a TV

When your device recognises the registered TV while you are watching a video, the icon will appear on the device. Tap the icon to stream the video from your device to your TV.

If the TV is turned off and registered with **Quick connect**, it will automatically turn on and your device's screen will appear on the TV screen.

This feature is supported by the default video player app only.

Mirroring a TV screen to your device

1 Open the notification panel and tap **Quick connect**.

The registered TV appears on the list.

2 Select the registered TV.

3 Tap **TV to mobile device**.

The TV screen will appear on your device.

Using the Briefing on TV feature

Your registered TV turns on automatically according to the preset time set on your device and displays the time, weather, and your schedule information on the screen. To use this feature, your device and the TV must be connected to the same access point.

1 Open the notification panel and tap **Quick connect**.

The registered TV will appear on the list.

2 Select the registered TV.

3 Tap **Briefing on TV** and set a time and day to use the Briefing on TV feature.

Time, weather, and schedule information will be displayed on the right side of the TV screen at the preset time.

Applications

Installing or uninstalling apps

Galaxy Apps

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

Tap **Galaxy Apps** on the Apps screen.

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

Installing apps

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

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

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

Play Store

Purchase and download apps.

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

Installing apps

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

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

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

Managing apps

Uninstalling or disabling apps

On the Apps screen, tap **EDIT**. The ⊖ icon appears on the apps that you can disable or uninstall. Select an app and tap **DISABLE** or **UNINSTALL**. Alternatively, on the Apps screen, tap **Settings** → **Applications** → **Application manager**, select an app, and then tap **DISABLE** or **UNINSTALL**.

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

Enabling apps

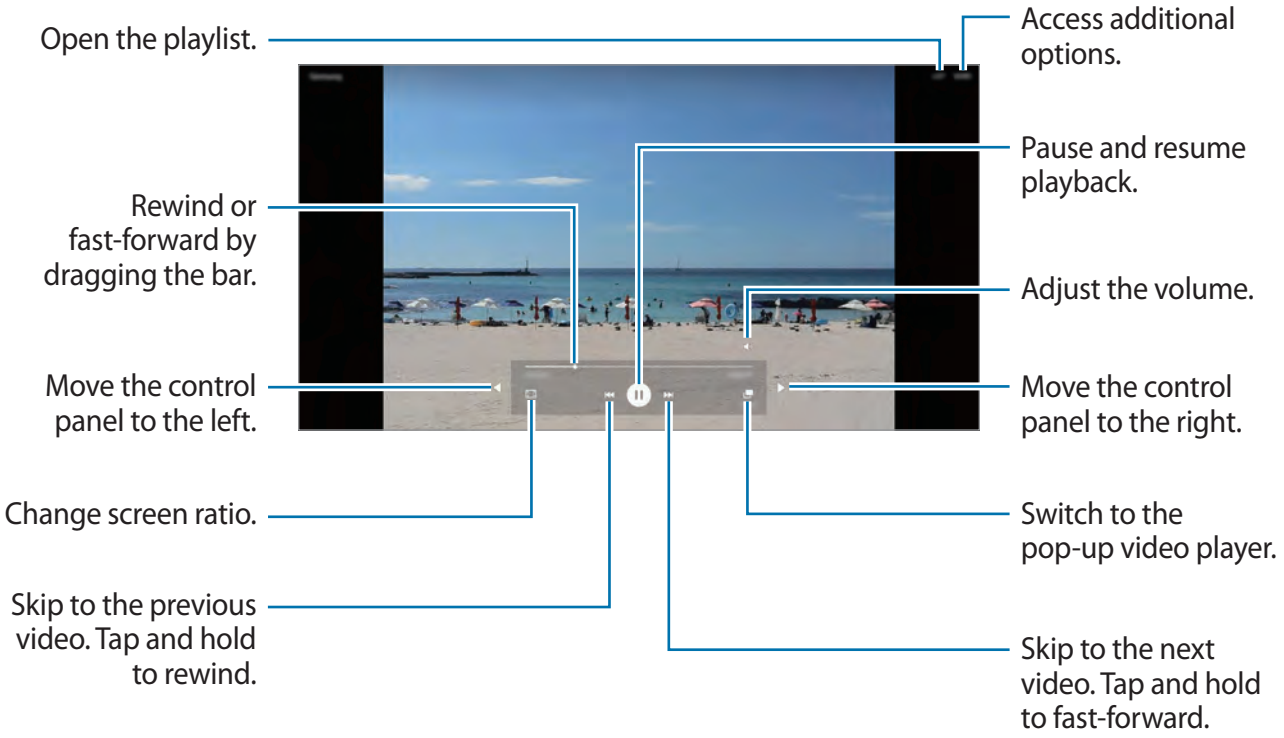
On the Apps screen, tap **Settings** → **Applications** → **Application manager**, scroll to **DISABLED**, select an app, and then tap **ENABLE**.

Video

Watch videos stored in the device and customise playback settings.

Tap **Video** on the Apps screen.

Select a video to play.



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

To rewind or fast-forward, swipe to the left or right on the playback screen.

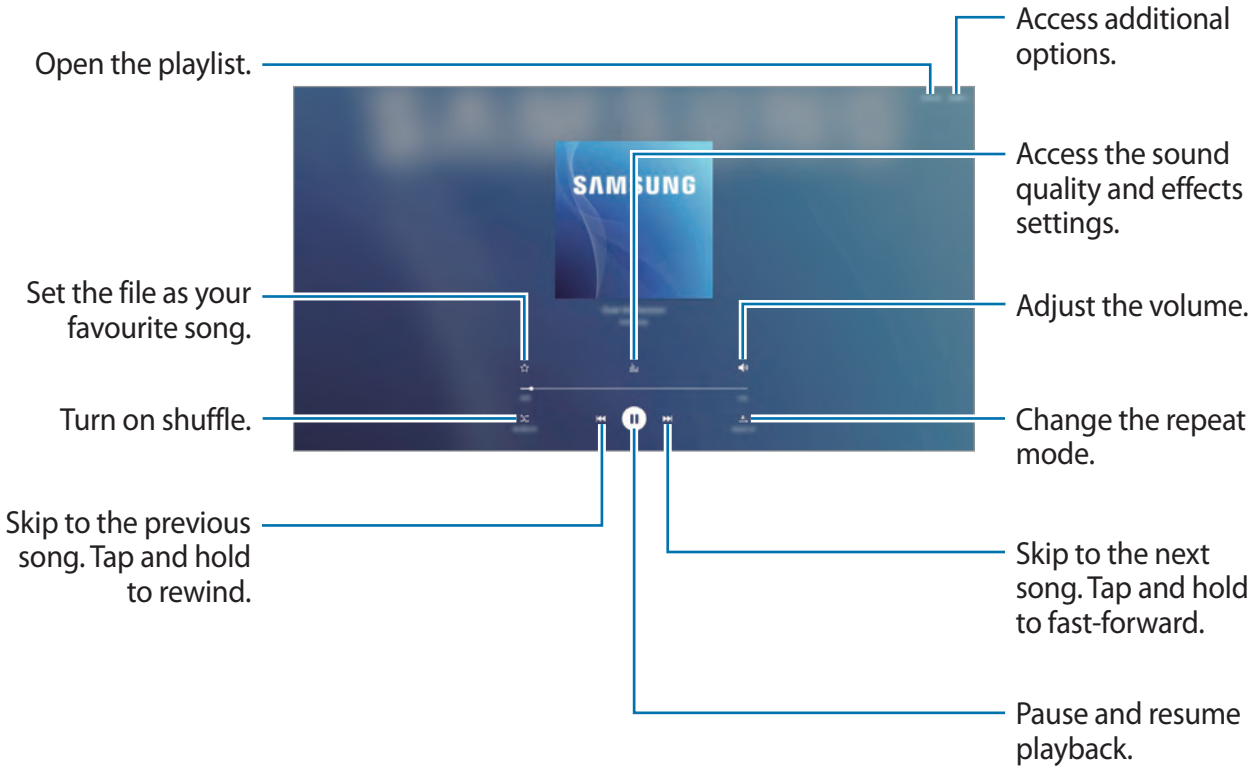
Music

Listen to music sorted by category and customise playback settings.

Tap **Music** on the Apps screen.

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

Tap the album image at the bottom of the screen to open the music player screen.



Internet

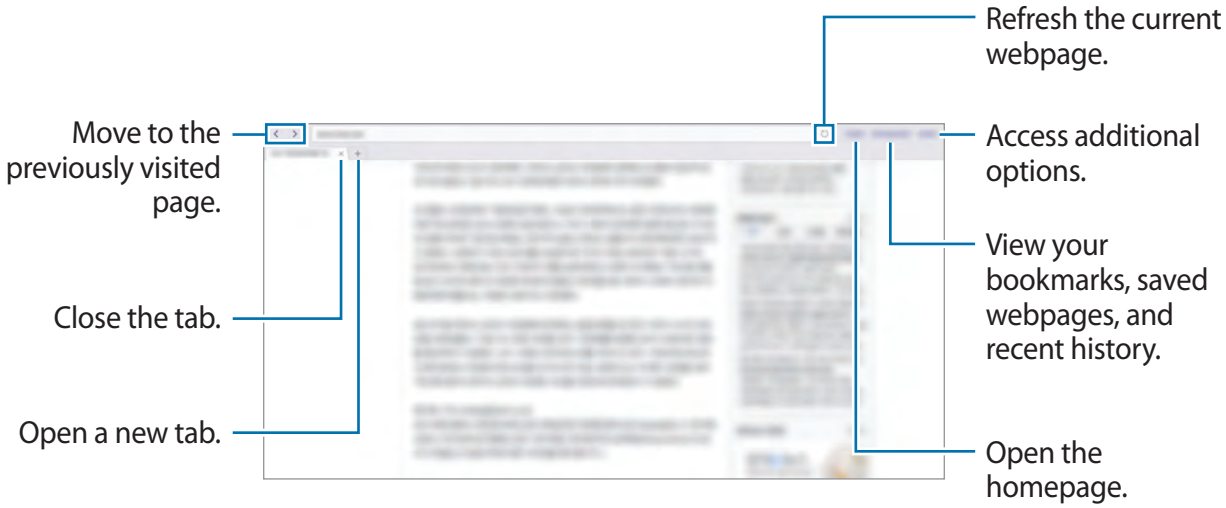
Browse the Internet to search for information and bookmark your favourite webpages to access them conveniently.

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

2 Tap the address field.

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

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



My Files

Access and manage various files stored in the device or in other locations, such as cloud storage services.

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

- **Recent files**: View recent files.
- **Category**: View files by category.
- **Local storage**: View files stored in the device.
- **Cloud storage**: View files stored in the cloud storage service.
- **STORAGE USAGE**: View your device's memory information.

To search for files or folders, tap **SEARCH**.

Family Square

Introduction

Share images and videos with your family using this app to stay connected with them. You can also view shared content and content stored in your device as a slideshow.

Tap **Family Square** on the Apps screen.

- You may incur additional charges when sharing content via the mobile network.
- This app is compatible only with Samsung Android devices running Android OS Lollipop or higher.
- This app may not be compatible with some devices.

Inviting your family members

Your family members must install the Family Square app on their devices before you can share content with them. Send them an invitation to help them install the app.

1 On the Apps screen, tap **Family Square** → **CREATE FAMILY GROUP**.

2 Enter your family member's phone number and tap **SEND**.

An invitation message will be sent to the members.

3 On your family member's device, view the message to access **Galaxy Apps** and download the Family Square app.

Adding and managing content in your inbox

Create content to share with your family. When you create or select content to share, a notification will appear on your family members' devices.

On the Apps screen, tap **Family Square**.

Adding images

In your inbox, tap .

- : Take a photo, tap **OK**, draw on the image or add text, and then tap **SAVE**.
- : Select an image in **Gallery**, draw on the file or add text, and then tap **SAVE**.

Managing content

To delete content from inbox, tap **MORE** → **Delete**.

To view content by filter, tap **MORE** → **Filter**.

To hide content from the image slideshow, tap .

Viewing images as a slideshow

On the Apps screen, tap **Family Square** → **VIEW**. The images pinned with the 📌 icon will play in a slideshow.

To play more images, open your inbox, tap **MORE** → **Settings** → **Image settings**, and then select sources to display images from.

To return to the inbox, tap the screen.

Camera

Introduction

Take photos and record videos using various settings.

Basic shooting

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

Tap **Camera** on the Apps screen.

Camera etiquette

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

Taking photos or recording videos

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

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

To capture an image from the video while recording, tap **Capture**.

- 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.

Camera settings

Quick settings

On the preview screen, use the following quick settings.

- : Select a filter effect to use when taking photos or recording videos.
- : Select the length of the delay before the camera automatically takes a photo.
- : Take a photo with lightened faces for gentler images.
- : Select a resolution for photos. Using a higher resolution will result in higher quality photos, but they will take up more memory.

Camera settings

On the preview screen, tap ⚙.

- **Video size (front)**: Select a resolution for videos. Using a higher resolution will result in higher quality videos, but they will take up more memory.
- **Gesture control**: Set the device to detect your palm, so you can use it to take self-portraits.
- **Save pictures as previewed**: Invert the image to create a mirror-image of the original scene, when taking photos with the front camera.
- **Grid lines**: Display viewfinder guides to help composition when selecting subjects.
- **Location tags**: Attach a GPS location tag to the photo.

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

- **Review pictures**: Set the device to show photos after capturing them.
- **Storage location**: Select the memory location for storage.
- **Reset settings**: Reset the camera settings.

Gallery

Introduction

View and manage photos and videos stored in the device.

Viewing images or videos

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

2 Select an image or a video.

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

To hide or show the menus, tap the screen.

Deleting images or videos

Deleting an image or a video

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

Deleting multiple images and videos

1 On the Gallery main screen, tap and hold an image or a video to delete.

2 Tick the images or videos to delete.

3 Tap **DELETE**.

Email

Setting up email accounts

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

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

2 Enter the email address and password, and then tap **NEXT**.

To manually register a company email account, tap **MANUAL SETUP**.

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

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

If you have more than one email account, you can set one as the default account. Tap **MORE** → **Settings** → **SET DEFAULT ACCOUNT**.

Sending emails

1 Tap to compose an email.

2 Add recipients and enter an email text.

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

Reading emails

On the emails list, tap an email to read.

Contacts

Introduction

Create new contacts or manage contacts on the device.

Adding contacts

Creating contacts manually

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

2 Tap and select a storage location.

3 Enter contact information.

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

4 Tap **SAVE**.

Importing contacts

Import contacts from storage services to your device.

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

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

Searching for contacts

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

Use one of the following search methods:

- Scroll up or down the contacts list.
- Drag a finger along the index at the left 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.

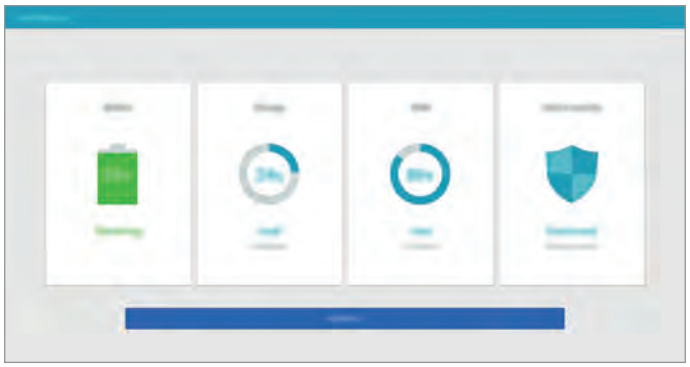
Once a contact is selected, take one of the following actions:

- : Add to favourite contacts.
- : Compose an email.

Smart Manager

Introduction

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



Using the quick optimisation feature

On the Apps screen, tap **Smart Manager** → **CLEAN ALL**.

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

- Identifying apps that use excessive battery power and clearing some memory.
- Deleting unnecessary files and closing apps running in the background.
- Scanning for malware.

Using the Smart manager

On the Apps screen, tap **Smart Manager** and select a feature.

Battery

Check the remaining battery power and time to use the device. For devices with low battery levels, conserve battery power by activating power saving features and closing apps that are consuming an excessive amount of battery power.

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

Storage

Check the status of used and available memory capacity. You can delete unused and residual files or uninstall apps that you do not use any more.

RAM

Check the amount of available RAM. You can close background apps and reduce the amount of RAM you are using to speed up your device.

Device security

Check the device's security status. This feature scans your device for malware.

S Planner

Introduction

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

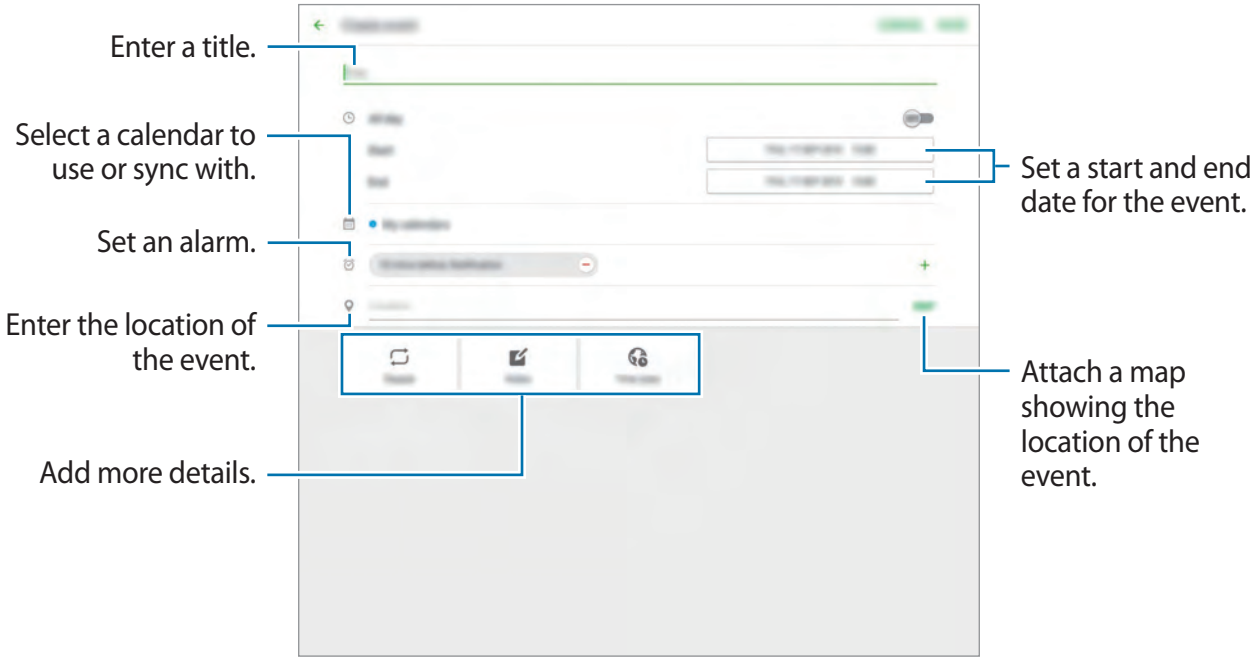
Creating events

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

2 Tap ⊕ or double-tap a date.

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

3 Enter event details.



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

Creating tasks

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

2 Tap **TASKS**.

3 Enter task details and tap **TODAY** or **TOMORROW** to set a due date.

To add more details, tap ⤢.

4 Tap **SAVE** to save the task.

Syncing events and tasks with your accounts

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

To add accounts to sync with, open the Apps screen and tap **S Planner** → **MORE** → **Manage calendars** → **Add account**. Then, select an account to sync with and sign in. When an account is added, a green circle is displayed next to the account name.

SideSync

Introduction

SideSync allows you to easily share your screen and data between Samsung Android smartphones, tablets, and any computers. After you connect your devices, a virtual screen will appear on the connected tablet or computer. You can check notifications, such as messages, from the dashboard or in pop-up windows.

Before you start

- The SideSync app must be installed on both devices that you want to connect. If SideSync is not installed, use one of the following methods to download and install it:
  - To download and install SideSync on your Samsung Android tablet or smartphone, search for SideSync in **Galaxy Apps** or **Play Store**. If your device does not support SideSync, you may not be able to find the app.
  - To download and install SideSync on your computer, visit www.samsung.com/sidesync. On the webpage, you can also find the information about SideSync system requirements.
- To wirelessly connect devices, they must support Wi-Fi Direct and be connected to the same access point.

Connecting to computers or smartphones

Connecting to a computer

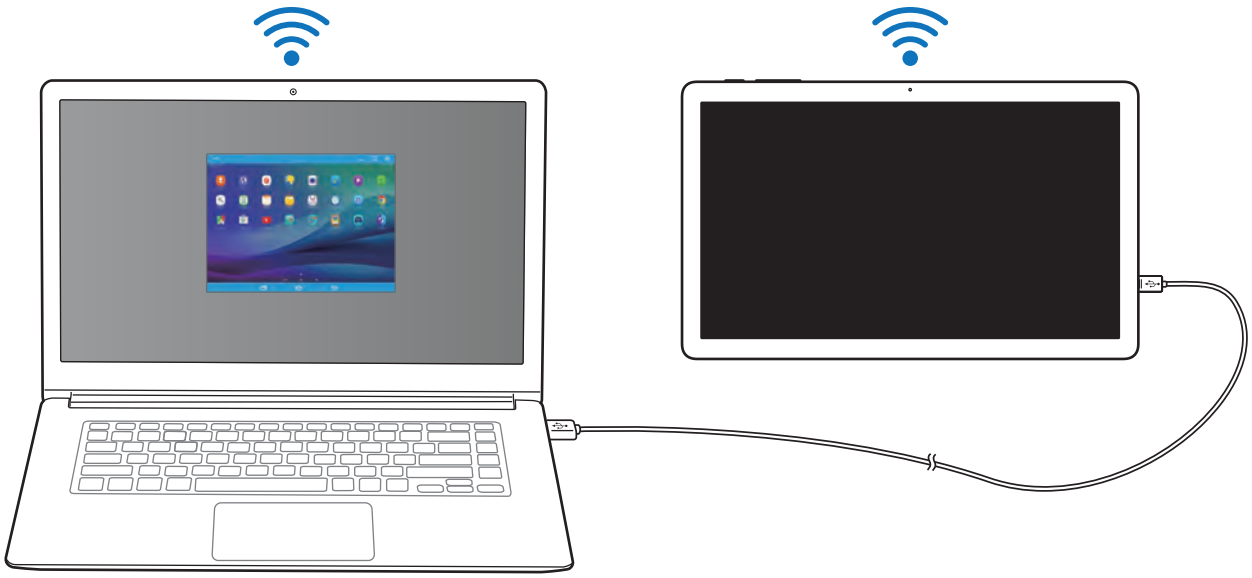
1 Connect your tablet to your computer using a USB cable.

Alternatively, connect both devices to the same access point.

2 Launch **SideSync** on both devices.

3 Tap **START** on your tablet.

Both devices will scan each other and connect. Then, the dashboard will appear on your computer.



Connecting to a smartphone via Wi-Fi Direct

1 Launch **SideSync** on both your tablet and smartphone.

2 Tap **START** on both devices.

Both devices will scan each other and connect.

3 On your tablet, select your smartphone from the detected devices list.

4 On the smartphone, accept the connection request.

The dashboard will appear on your tablet.

Connecting devices automatically

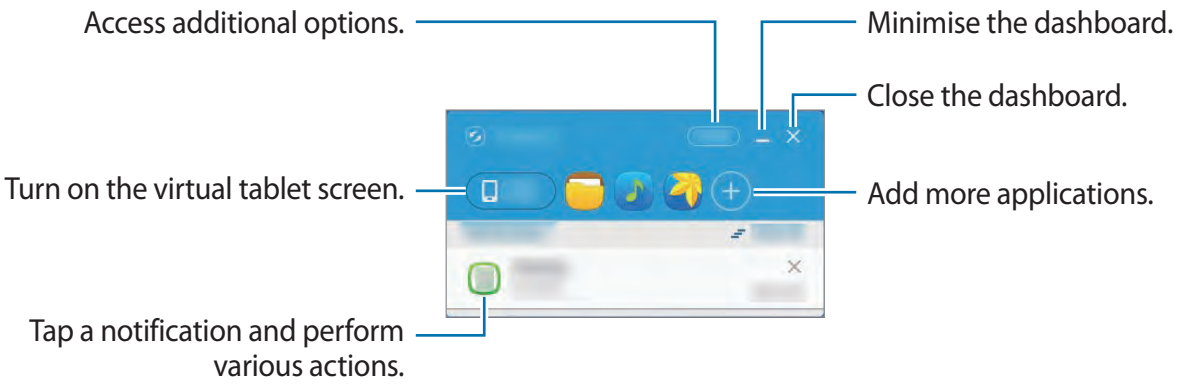
When two devices have been previously connected, you can set them to reconnect automatically. Connecting the devices via USB or Wi-Fi Direct automatically launches **SideSync**. If the devices are connected to the same access point, place them near each other to connect them.

To stop using the auto connection feature, on the tablet, tap **SideSync** → **MORE** → **Settings**, and then tap the **Auto connect devices** switch to deactivate it. Alternatively, on the dashboard, tap **MORE** → **Settings** → **Connections** and deactivate the auto connection feature.

Using the dashboard

Launch frequently used apps or view notifications from your tablet.

When you tap a notification, the related app or program will launch. The following is an image of the tablet's dashboard on the computer.



You can rearrange or delete apps when you right-click on an app icon.

Continuing media playback

You can pause music or videos on your tablet and continue playback on another device.

On the dashboard, select the play button on the music controller or a video notification. Playback will pause on your tablet and start playing on your other device.

The connected device's music controller and a video notification will appear only when you play media files via the default music or video app.

Sharing a webpage

You can open a webpage on your tablet and display it in the web browser of the connected device.

While browsing webpages on your tablet, a web access notification will appear on the dashboard. On the dashboard, select the notification. Then, the same webpage will appear on your connected device.

Sharing your tablet's hotspot (mobile network-enabled models)

You can share your tablet's mobile data connection with computers if an Internet connection is not available.

You may incur additional charges when using this feature.

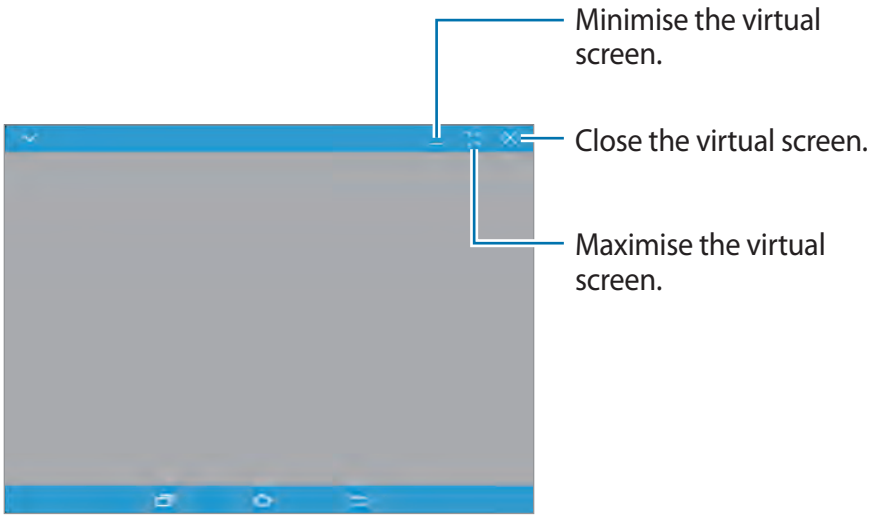
On the dashboard, tap **MORE** → **Enable Mobile hotspot**. The tablet's mobile hotspot will be activated.

Using the virtual screen

SideSync mirrors a device's screen on another device. You can use a device's functions via the virtual screen. The following is an image of the virtual tablet screen on the computer.

On the dashboard, tap **Tablet screen**.

- Some functions may not work through the virtual screen.
- The appearance and functions of the virtual screen may vary depending on the connected device.



Tap ⌄ to use the following options:

- **Always on top**: Set the virtual screen to always stay on top.
- **Rotate**: Rotate the screen.
- **Capture**: Capture a screenshot.
- **Enable Presentation mode**: Turn on the tablet's screen to control it from both your computer and tablet. This feature may not be available depending on the connected device.

To move the virtual screen, click and drag the top of the virtual screen to a new location.

To adjust the size of the virtual screen, place the mouse pointer over the edge of the virtual screen, then click and drag it.

Switching between screens

To use your tablet's actual screen, press the Power key on your tablet. The virtual screen turns off and the tablet's screen turns on.

To return to the virtual screen, click the virtual tablet screen on the computer. The actual screen turns off and the virtual screen turns on.

You can view and control the virtual screen and the connected device's screen simultaneously. On the virtual screen, tap ⌄ → **Enable Presentation mode** to turn on the connected device's screen. This feature may not be available depending on the connected device.

Sharing files and clipboard

Copying files to the computer

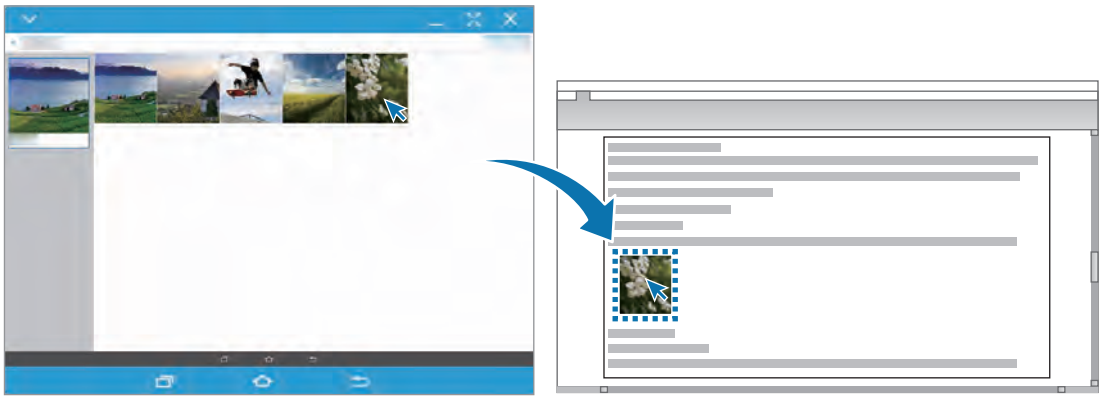
1 Click and hold a file to enter edit mode on the virtual tablet screen.

2 Tick more files to copy.

3 Click and hold the selected files, and then drag and drop them outside of the virtual screen.

The files will be copied to the intended location.

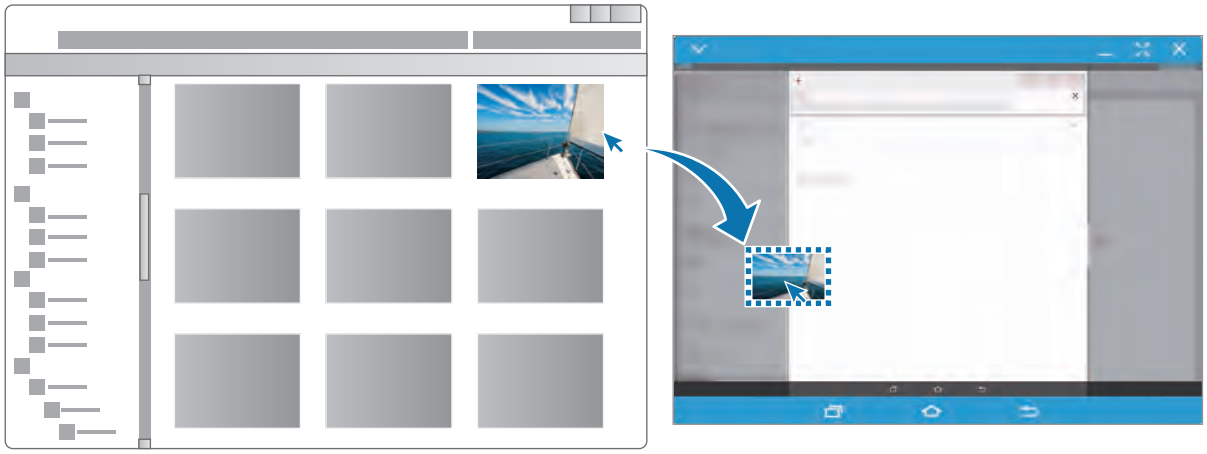
For example, when you move an image from your tablet to an open Word document on your computer, the image will be inserted into the Word document.



Copying files to your tablet

Select files on the computer and drag them to the dashboard or the virtual tablet screen. The files will be saved in the **My Files** → **Device storage** → **SideSync** folder.

While composing a message or an email on the virtual screen, the copied files will be attached to the message or email being composed.



When the tablet's virtual screen and actual screen are turned on, you cannot share files.

Sharing clipboard

You can conveniently copy and paste text between the connected devices via the clipboard sharing feature. Copy or cut text from the virtual screen and paste it into a text field outside of the virtual screen, or vice versa.

Sharing the computer's keyboard and mouse

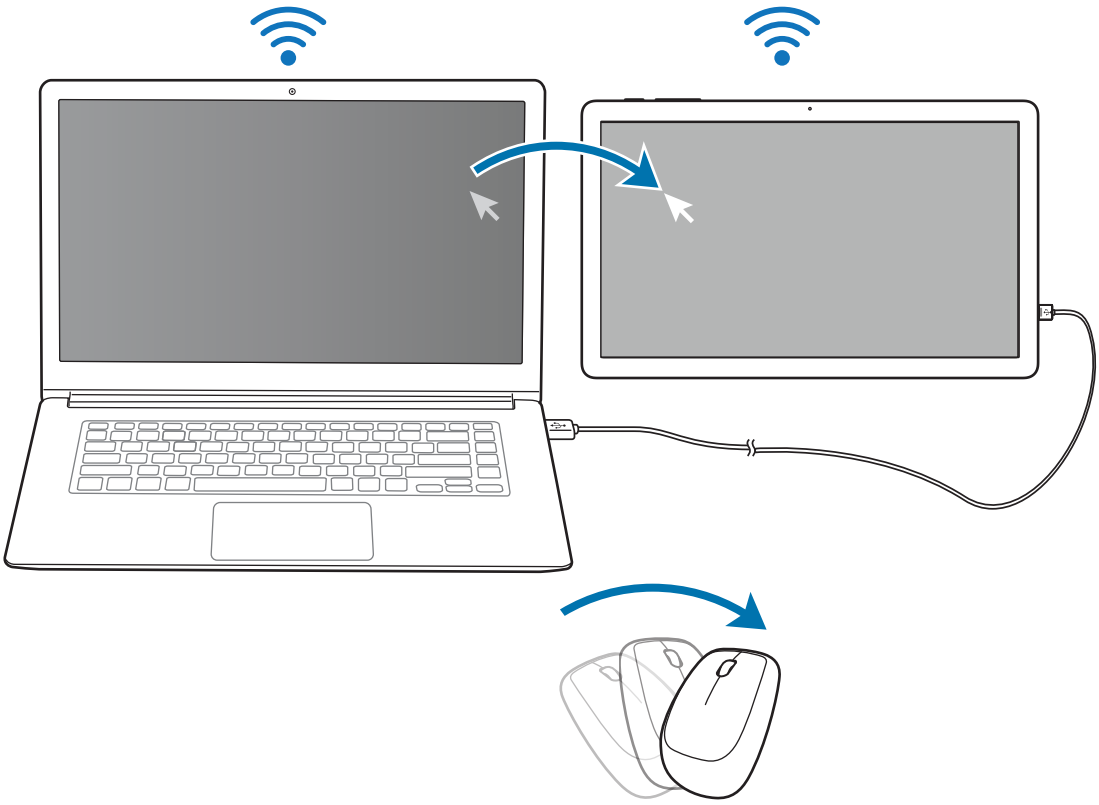
Use your tablet's screen as a dual monitor and control it with the computer's keyboard and mouse.

1 On the dashboard, tap **MORE** → **Enable Keyboard and mouse sharing**.

If the virtual screen is open, it will disappear from the computer's screen.

2 Move the mouse pointer to the left or right edge of the computer's screen to go to your tablet's screen.

The mouse pointer will appear on your tablet's screen.



3 On your tablet, use the computer's keyboard and mouse to perform actions, such as entering text, copying and pasting, and selecting items.

To control the computer with the mouse again, return the pointer to the computer's screen.

Memo

Create memos and organise them by category.

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

Composing memos

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

- **Category**: Create or set a category.
- **Image**: Insert images.
- **Voice**: Make a voice recording to insert.
- **Tasks**: Add tick boxes at the beginning of each row to create a list of tasks.

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

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

Searching for memos

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

Clock

Introduction

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

ALARM

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

Setting alarms

Set an alarm time and tap **SAVE**.

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

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

Stopping alarms

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

Deleting alarms

Tap ╳ on an alarm in the list of alarms.

WORLD CLOCK

On the Apps screen, tap **Clock** → **WORLD CLOCK**.

Creating clocks

Enter a city name or select a city from the globe, and then tap +.

Deleting clocks

Tap × on a clock.

STOPWATCH

1 On the Apps screen, tap **Clock** → **STOPWATCH**.

2 Tap **START** to time an event.

To record lap times while timing an event, tap **LAP**.

3 Tap **STOP** to stop timing.

To restart the timing, tap **RESUME**.

To clear lap times, tap **RESET**.

TIMER

1 On the Apps screen, tap **Clock** → **TIMER**.

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

To open the keypad to enter the duration, tap **KEYPAD**.

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

Calculator

Perform simple or complex calculations.

Tap **Calculator** on the Apps screen.

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

To clear the history, tap **HISTORY** → **CLEAR HISTORY**.

Google apps

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

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

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

Chrome

Search for information and browse webpages.

Gmail

Send or receive emails via the Google Mail service.

Maps

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

Play Music

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

Play Movies & TV

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

Drive

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

YouTube

Watch or create videos and share them with others.

Photos

Search for, manage, and edit all your photos and videos from various sources in one place.

Hangouts

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

Google

Search quickly for items on the Internet or your device.

Voice Search

Search quickly for items by saying a keyword or phrase.

Google Settings

Configure settings for some features provided by Google.

Settings

Introduction

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

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

To search for settings by entering keywords, tap **SEARCH**.

Wi-Fi

Connecting to a Wi-Fi network

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

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

2 Select a network from the Wi-Fi networks list.

Networks that require a password appear with a lock icon.

3 Tap **CONNECT**.

Once the device connects to a Wi-Fi network, the device will reconnect to that network each time it is available without requiring a password. To prevent the device connecting to the network automatically, select it from the list of networks and tap **FORGET**.

Wi-Fi Direct

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

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

2 Tap **Wi-Fi Direct**.

The detected devices are listed.

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

3 Select a device to connect to.

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

Sending and receiving data

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

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

2 Select an image.

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

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

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

Ending the device connection

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

2 Tap **Wi-Fi Direct**.

The device displays the connected devices in the list.

3 Tap the device name to disconnect the devices.

Bluetooth

Introduction

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

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

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

Pairing with other Bluetooth devices

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

The detected devices are listed.

2 Select a device to pair with.

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

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

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

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

Sending and receiving data

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

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

2 Select an image.

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

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

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

4 Accept the Bluetooth connection request on the other device.

Unpairing Bluetooth devices

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

The device displays the paired devices in the list.

2 Tap ⚙ next to the device name to unpair.

3 Tap **Unpair**.

Flight mode

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

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

Mobile hotspot and tethering (mobile network-enabled models)

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

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

You may incur additional charges when using this feature.

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

Using the mobile hotspot

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

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

2 Tap the switch to activate it.

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

To set a password for the mobile hotspot, tap **MORE** → **Configure Mobile Hotspot** and select the level of security. Then, enter a password and tap **SAVE**.

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

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

Data usage

Keep track of your data usage amount.

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

Data usage (mobile network-enabled models)

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.
- **Background data**: Prevent apps that are running in the background from using a mobile data connection.

To change the monthly reset date for the monitoring period, tap ▼ → **Change cycle**.

Limiting data usage

1 On the Settings screen, tap **Data usage** and tap the **Set mobile data limit** switch to activate it.

2 Drag the limit adjustment bar upwards or downwards to set the limit.

3 Drag the warning adjustment bar upwards or downwards to set a data usage alert level.

The device will alert you when the warning level is reached.

Mobile networks (mobile network-enabled models)

Configure your mobile network settings.

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

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

More connection settings

Options

Customise settings to control other features.

On the Settings screen, tap **More connection settings**.

- **Printing**: Configure settings for printer plug-ins installed on the device. You can search for available printers or add one manually to print files. Refer to Printing for more information.

- **Download booster** (mobile network-enabled models): Set the device to download files larger than 30 MB, faster via Wi-Fi and mobile networks simultaneously. Refer to Download booster for more information.
- **VPN**: Set up and connect to virtual private networks (VPNs).

Printing

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

Some printers may not be compatible with the device.

Adding printer plug-ins

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

1. On the Settings screen, tap **More connection settings** → **Printing** → **Download plug-in**.
2. Search for a printer plug-in in **Play Store**.
3. Select a printer plug-in and install it.
4. Select the printer plug-in and tap the switch to activate it.

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

To add printers manually, tap **MORE** → **Add printer** → **ADD PRINTER**.

To change print settings, tap **MORE** → **Printing settings**.

Printing content

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

Download booster

Set the device to download files larger than 30 MB, faster via Wi-Fi and mobile networks simultaneously. A stronger Wi-Fi signal will provide a faster download speed.

On the Settings screen, tap **More connection settings** → **Download booster**.

- This feature may not be supported by some devices.
- You may incur additional charges when downloading files via the mobile network.
- When you download large files, the device may heat up. If the device exceeds a set temperature, the feature will turn off.
- If network signals are unstable, the speed and performance of this feature may be affected.
- If the Wi-Fi and mobile network connections have significantly different data transfer speeds, the device may use only the fastest connection.
- This feature supports Hypertext Transmission Protocol (HTTP) 1.1 and Hypertext Transmission Protocol Secure (HTTPS). The feature cannot be used with other protocols, such as FTP.

Sounds and notifications

Change settings for various sounds on the device.

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

- **Sound mode**: Set the device to use sound mode or silent mode.
- **Volume**: Adjust the volume level for music and videos, system sounds, and notifications.
- **Sounds**: Change the ringtone and system sound settings.
- **Sound quality and effects**: Configure additional sound settings.
- **Do not disturb**: Set the device to mute notification sounds, except for allowed exceptions.
- **Notifications on lock screen**: Set whether or not to show the content of notifications on the locked screen.
- **App notifications**: Change the notification settings for each app.

Display

Change the display settings.

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

- **Brightness**: Adjust the brightness of the display.
- **Font**: Change the font size and type.
- **Screen timeout**: Set the length of time the device waits before turning off the display's backlight.
- **Daydream**: Set the device to launch a screensaver when the device is charging.

Applications

Manage the device's apps and change their settings.

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

- **Application manager**: View and manage the apps on your device.
- **Default applications**: Select a default setting for using apps.
- **Application settings**: Customise the settings for each app.

Users

Set up additional user accounts for other users to use the device with personalised settings, such as email accounts, wallpaper preferences, and more. Following types of user accounts are available:

- **Owner**: The owner account is created only when setting up the device for the first time, and cannot be created more than one. This account has full control of the device including user account management. You can add or delete user accounts only when using this account.

- **Guest**: This account allows guests to access the device. Information and data used during a guest session is temporarily stored. Each time you use this account, you are asked whether to continue the previous guest session or reset it.
- **User**: This account allows users to access their own apps and content, and customise the device settings that affect all accounts.
- **User (restricted profile)**: A restricted account can only access the apps and content allowed by the owner account, and cannot use the services that require logging in.

Adding users

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

2 Tap **Add user or profile** → **User** → **SET UP NOW**.

The device will switch to a new user account and the default locked screen will appear on the screen.

3 Unlock the device and follow the on-screen instructions to complete the account setup.

Adding restricted profiles

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

2 Tap **Add user or profile** → **User (restricted profile)**.

If you are not using a secure screen lock method with the owner account, follow the on-screen instructions to set one up.

3 Select the apps and content that restricted users are allowed to access.

Switching users

Tap the user account icon at the top of the locked screen or the notification panel, and then select an account to switch to.

Locked screen

Notification panel

Managing users

When using the owner account, you can delete accounts or change the settings for restricted accounts.

To delete a user account, tap 🗑 next to an account to delete it.

To change the settings for a restricted account, tap ⚙ next to an account. You can delete the account by tapping 🗑.

Wallpaper

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

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

Lock screen and security

Change the settings for securing the device.

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

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

- **Screen lock type**: Change the screen lock method.
- **Show information**: Change settings for the items displayed on the locked screen.
- **Unlock effect**: Select an effect that you see when you unlock the screen.
- **Secure lock settings**: Change screen lock settings for the selected lock method.
- **Find My Mobile**: Activate or deactivate the Find My Mobile feature. This feature can help you locate your device if it is lost or stolen. You can also access the Find my mobile website (findmymobile.samsung.com) to track and control your lost or stolen device.
- **Unknown sources**: Set the device to allow the installation of apps from unknown sources.
- **Other security settings**: Configure additional security settings.

Privacy

Change the settings for maintaining your privacy.

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

- **Location**: Change settings for location information permissions.
- **Report diagnostic info**: Set the device to automatically send the device's diagnostic and usage information to Samsung.

Accessibility

Configure various settings to improve accessibility to the device.

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

- **Vision**: Customise the settings to improve accessibility for visually impaired users.
- **Hearing**: Customise the settings to improve accessibility for users with hearing impairment.
- **Dexterity**: Customise the settings to improve accessibility for users who have reduced dexterity.
- **Direction lock**: Change the directional combination settings for unlocking the screen.
- **Notification reminder**: Set the device to alert you to notifications that you have not checked at the interval.
- **Single tap mode**: Set the device to control notifications by tapping the button instead of dragging it.
- **Manage accessibility**: Export or import the accessibility settings to share them with other devices.
- **Services**: View accessibility services installed on the device.

Accounts

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

Adding accounts

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

1 On the Settings screen, tap **Accounts** → **Add account**.

2 Select an account service.

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

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

Registering Samsung accounts

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

1 On the Settings screen, tap **Accounts** → **Add account**.

2 Tap **Samsung account**.

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

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

Removing accounts

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

Backup and reset

Change the settings for managing settings and data.

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

- **Back up my data**: Back up your personal information and app data to the Samsung server. You can also set the device to automatically back up data.
- **Restore**: Restore previously backed up personal information and app data from your Samsung account.

- **Backup account**: Set up or edit your Google backup account.
- **Back up my data**: Set the device to back up settings and app data to the Google server.
- **Automatic restore**: Set the device to automatically restore settings and app data from the Google server when apps are reinstalled.
- **Auto restart**: Set the device to automatically optimise and restart itself at preset times for optimal performance.
- **Factory data reset**: Reset settings to the factory default values and delete all data.

Language and input

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

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

- **Language**: Select a display language for all menus and apps.
- **Default keyboard**: Select a default keyboard type for text input.
- **Samsung keyboard**: Change the Samsung keyboard settings.
- **Google voice typing**: Change the voice input settings.
- **Voice input**: Select a default voice input service. You can also change settings for each service.
- **Text-to-speech options**: Change the text-to-speech settings.
- **Pointer speed**: Adjust the pointer speed for the mouse or trackpad connected to your device.

Battery

View battery power information and change power saving options.

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

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

- **Power saving mode**: Activate power-saving mode and change the settings for power-saving mode. Refer to Power saving mode for more information.
- **Display battery percentage**: Set the device to display the remaining battery life.

Storage

View memory information for your device.

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

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

Date and time

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

On the Settings screen, tap **Date and time**.

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

- **Automatic date and time**: Automatically update the time and date when moving across time zones.
- **Automatic time zone** (mobile network-enabled models): Set the device to receive time zone information from the network when you move across time zones.
- **Set date**: Set the current date manually.
- **Set time**: Set the current time manually.
- **Select time zone**: Set the home time zone.
- **Use 24-hour format**: Display time in 24-hour format.

User manual

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

On the Settings screen, tap **User manual**.

About device

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

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

Appendix

Troubleshooting

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

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

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

Your device displays network or service error messages

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

Your device does not turn on

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

The touchscreen responds slowly or improperly

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

Your device freezes or has fatal errors

If your device freezes or hangs, you may need to close apps or turn off the device and turn it on again. If your device is frozen and unresponsive, press and hold the Power key and the Volume key down simultaneously for more than 7 seconds to restart it.

If this does not solve the problem, perform a factory data reset. On the Apps screen, tap **Settings** → **Backup and reset** → **Factory data reset** → **RESET DEVICE** → **ERASE EVERYTHING**. Before performing the factory data reset, remember to make backup copies of all important data stored in the device.

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

The Internet is often disconnected

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

The battery icon is empty

Your battery is low. Charge the battery.

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

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

The battery depletes faster than when first purchased

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

Your device is hot to the touch

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

Error messages appear when launching the camera

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

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

Photo quality is poorer than the preview

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

Error messages appear when opening multimedia files

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

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

Another Bluetooth device is not located

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

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

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

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

Your device cannot find your current location

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

Data stored in the device has been lost

Always make backup copies of all important data stored in the device. Otherwise, you cannot restore data if it is corrupted or lost. Samsung is not responsible for the loss of data stored in the device.

A small gap appears around the outside of the device case

- This gap is a necessary manufacturing feature and some minor rocking or vibration of parts may occur.
- Over time, friction between parts may cause this gap to expand slightly.

Removing the battery

- To remove the battery, you **must** visit an authorised service centre with the provided instructions.
- For your safety, you **must not attempt to remove** the battery. If the battery is not properly removed, it may lead to damage to the battery and device, cause personal injury, and/or result in the device being unsafe.
- Samsung does not accept liability for any damage or loss (whether in contract or tort, including negligence) which may arise from failure to precisely follow these warnings and instructions, other than death or personal injury caused by Samsung's negligence.

1 Remove the stand.

2 Loosen and remove the screws at the location points and remove the back cover.

3 Loosen and remove the screws from the battery.

4 Disconnect the battery connector and remove the battery.

FCC Notice and Cautions

FCC Notice

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

- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

The phone may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the phone if such interference cannot be eliminated.

Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association, One Battery march Park, Quincy, MA 02269, Attn: Publication Sales Division.

Cautions

Changes or modifications made in the radio phone, not expressly approved by Samsung, will void the user's authority to operate the equipment.

The use of any unauthorized accessories may be dangerous and void the phone warranty if said accessories cause damage or a defect to the phone.

Although your phone is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending or sitting on it.

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Other Important Safety Information

- Only qualified personnel should service the phone or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your phone off before boarding an aircraft. The use of wireless phone in aircraft is illegal and may be dangerous to the aircraft's operation.
- Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Product Performance

Getting the Most Out of Your Signal Reception

The quality of each call you make or receive depends on the signal strength in your area. Your phone informs you of the current signal strength by displaying a number of bars next to the signal strength icon. The more bars displayed, the stronger the signal.

If you're inside a building, being near a window may give you better reception.

Understanding the Power Save Feature

If your phone is unable to find a signal after 15 minutes of searching, a Power Save feature is automatically activated. If your phone is active, it periodically rechecks service availability or you can check it yourself by pressing any key.

Anytime the Power Save feature is activated, a message displays on the screen. When a signal is found, your phone returns to standby mode.

Maintaining Your Phone's Peak Performance

For the best care of your phone, only authorized personnel should service your phone and accessories. Faulty service may void the warranty.

There are several simple guidelines to operating your phone properly and maintaining safe, satisfactory service.

- Place the mobile phone's acoustic output next to your ear for proper orientation.
- Do not tamper or alter the phone's antenna.
- Don't use the phone if the antenna is damaged.
- Speak directly into the phone's receiver.
- Avoid exposing your phone and accessories to rain or liquid spills. If your phone does get wet, immediately turn the power off and remove the battery. If it is inoperable, call Customer Care for service.

Availability of Various Features/Ring Tones

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Many services and features are network dependent and may require additional subscription and/or usage charges. Not all features are available for purchase or use in all areas. Downloadable Ring Tones may be available at an additional cost. Other conditions and restrictions may apply. See your service provider for additional information.

Battery Standby and Talk Time

Standby and talk times will vary depending on phone usage patterns and conditions. Battery power consumption depends on factors such as network configuration, signal strength, operating temperature, features selected, frequency of calls, and voice, data, and other application usage patterns.

Battery Precautions

- Never use any charger or battery that is damaged in any way.
- Use the battery only for its intended purpose.
- If you use the phone near the network's base station, it uses less power; talk and standby time are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Battery charging time depends on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- If left unused, a fully charged battery will discharge itself over time.
- Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and lifetime of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0 °C (32 °F).
- Do not short-circuit the battery. Accidental short- circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.
- Dispose of used batteries in accordance with local regulations. In some areas, the disposal of batteries in household or business trash may be prohibited. For safe disposal options for Li-Ion batteries, contact your nearest Samsung authorized service center. Always recycle. Do not dispose of batteries in a fire.

Care and Maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and

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allow you to enjoy this product for many years.

- Keep the phone and all its parts and accessories out of the reach of small children.
- Keep the phone dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not use the phone with a wet hand. Doing so may cause an electric shock to you or damage to the phone.
- Do not use or store the phone in dusty, dirty areas, as its moving parts may be damaged.
- Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the phone in cold areas. When the phone warms up to its normal operating temperature, moisture can form inside the phone, which may damage the phone's electronic circuit boards.
- Do not drop, knock or shake the phone. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.
- Do not paint the phone. Paint can clog the device's moving parts and prevent proper operation.
- Do not put the phone in or on heating devices, such as a microwave oven, a stove or a radiator. The phone may explode when overheated.
- When the phone or battery gets wet, the label indicating water damage inside the phone changes color. In this case, phone repairs are no longer guaranteed by the manufacturer's warranty, even if the warranty for your phone has not expired.
- If your phone has a flash or light, do not use it too close to the eyes of people or animals. This may cause damage to their eyes.
- Use only the supplied or an approved replacement antenna. Unauthorized antennas or modified accessories may damage the phone and violate regulations governing radio devices.
- If the phone, battery, charger or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

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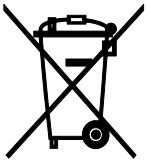


Correct disposal of this product

(Waste Electrical & Electronic Equipment)

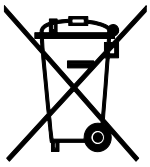
(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be

disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.



Correct disposal of batteries in this product

(Applicable in the European Union and other European countries with separate battery return systems)

This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment.

To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.

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