



SM-T210

User Manual

About this manual

This device provides high quality mobile communication and entertainment using Samsung's high standards and technological expertise. This user manual is specially designed to detail the device's functions and features.

- Please read this manual before using the device to ensure safe and proper use.
- Descriptions are based on the device's default settings.
- Images and screenshots may differ in appearance from the actual product.
- Content may differ from the final product, or from software provided by service providers or carriers, and is subject to change without prior notice. For the latest version of the manual, refer to the Samsung website, www.samsung.com.
- Content (high quality content) that requires high CPU and RAM usage will affect the overall performance of the device. Applications related to the content may not work properly depending on the device's specifications and the environment that it is used in.
- Available features and additional services may vary by device, software, or service provider.
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- You may incur additional charges for data services, such as messaging, uploading and downloading, auto-syncing, or using location services. To avoid additional charges, select an appropriate data plan. For details, contact your service provider.
- Default applications that come with the device are subject to updates and may no longer be supported without prior notice. If you have questions about an application provided with the device, contact a Samsung Service Centre. For user-installed applications, contact service providers.
- Modifying the device's operating system or installing softwares from unofficial sources may result in device malfunctions and data corruption or loss. These actions are violations of your Samsung licence agreement and will void your warranty.

Instructional icons



Warning: situations that could cause injury to yourself or others



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



Note: notes, usage tips, or additional information

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ABOUT DIVX VIDEO

DivX® is a digital video format created by DivX, LLC, a subsidiary of Rovi Corporation. This is an official DivX Certified® device that has passed rigorous testing to verify that it plays DivX video. Visit www.divx.com for more information and software tools to convert your files into DivX videos.

ABOUT DIVX VIDEO-ON-DEMAND

This DivX Certified® device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies. To obtain your registration code, locate the DivX VOD section in your device setup menu. Go to vod.divx.com for more information on how to complete your registration.

DivX Certified® to play DivX® video up to HD 720p, including premium content.

IC Notice

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

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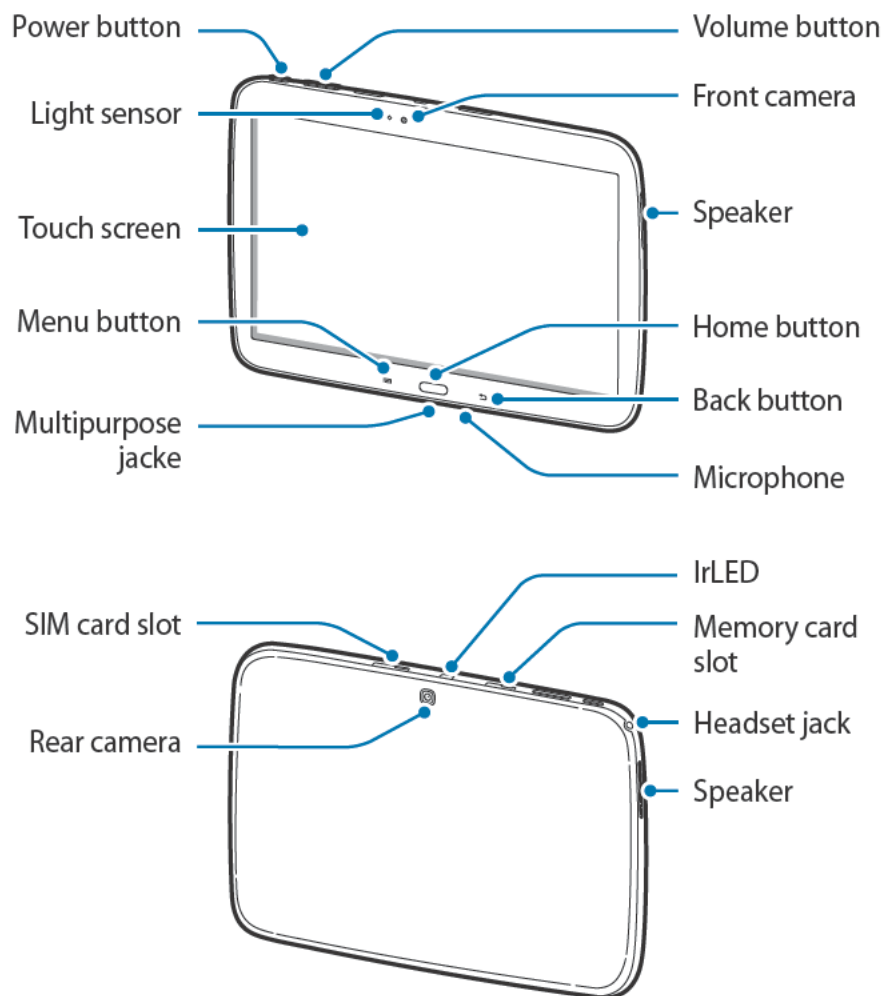
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Health and Safety

Getting started

Device layout



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

Buttons

Button	Function
 Power	• Press and hold to turn the device on or off. • Press and hold for more than 7 seconds to reset the device if it has fatal errors or hang-ups, or freezes. • Press to lock or unlock the device. The device goes into lock mode when the touch screen turns off.
 Menu	• Tap to open a list of options available for the current screen. • Tap and hold on the Home screen to launch Google search.
 Home	• Press to return to the Home screen. • Press and hold to open the list of recent applications. • Press twice to launch S Voice.
 Back	• Tap to return to the previous screen.
 Volume	• Press to adjust the device volume.

Package contents

Check the product box for the following items:

- Device
- Quick start guide



Use only Samsung-approved software. Pirated or illegal software may cause damage or malfunctions, which are not covered by the warranty.



- 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.
- Other accessories may not be compatible with your device.
- Use only Samsung-approved accessories. Malfunctions caused by using unapproved accessories are not covered by the warranty service.
- Availability of all accessories is subject to change depending entirely on manufacturing companies. For more information about available accessories, refer to the Samsung website.

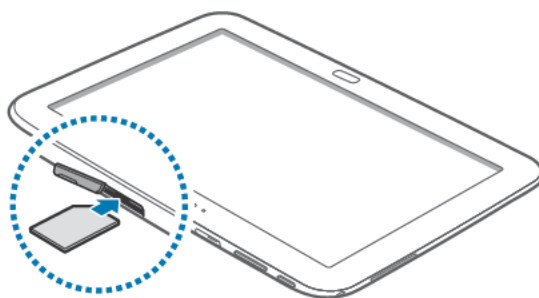
Installing the SIM card

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



Only microSIM cards work with the device.

- 1 Open the cover of the SIM card slot.
- 2 Insert the SIM card with the gold-coloured contacts facing downwards.

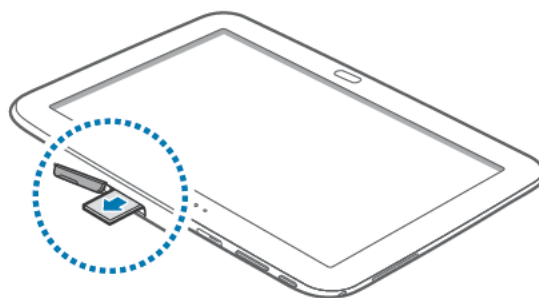


Do not insert a memory card into the SIM card slot. If a memory card happens to be lodged in the SIM card slot, take the device to a Samsung Service Centre to remove the memory card.

- 3 Push the SIM card into the slot until it lock in place.
- 4 Close the cover of the SIM card slot.

Removing the SIM or USIM card

- 1 Open the cover of the SIM card slot.
- 2 Push the SIM card until it disengages from the device, and then pull it out.



Charging the battery

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



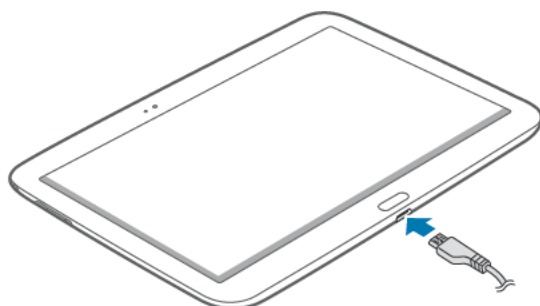
Use only Samsung-approved chargers, batteries, and cables. Unapproved chargers or cables can cause the battery to explode or damage the device.



- When the battery power is low, the device emits a warning tone and displays a low battery power message.
- 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.

Charging with the charger

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



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



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

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 device should remain close to the electric socket while charging.

Checking the battery charge status

When you charge the battery while the device is off, the following icons will show the current battery charge status:



Charging



Fully charged

Reducing the battery consumption

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

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

Inserting a memory card

Your device accepts memory cards with maximum capacities of 16 GB. Depending on the memory card manufacturer and type, some memory cards may not be compatible with your device.

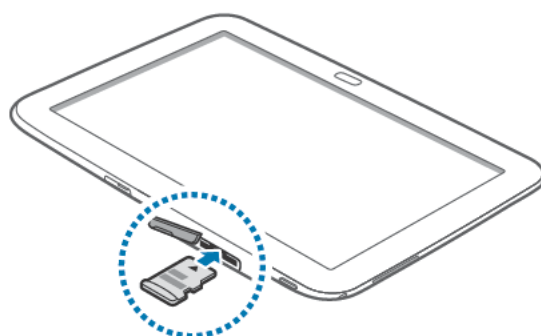


- Some memory cards may not be fully compatible with the device. Using an incompatible card may damage the device or the memory card, or corrupt the data stored in it.
- Use caution to insert the memory card right-side up.



- The device supports only the FAT file system 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 **extSdCard** folder under the internal memory.

- 1 Open the cover of the memory card slot.
- 2 Insert a memory card with the gold-coloured contacts facing downwards.
- 3 Push the memory card into the slot until it locks in place.



- 4 Close the cover of the memory card slot.

Removing the memory card

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

- 1 Open the cover of the memory card slot.
- 2 Push the memory card until it disengages from the device, and then pull it out.
- 3 Close the cover of the memory card slot.



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

Formatting the memory card

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

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

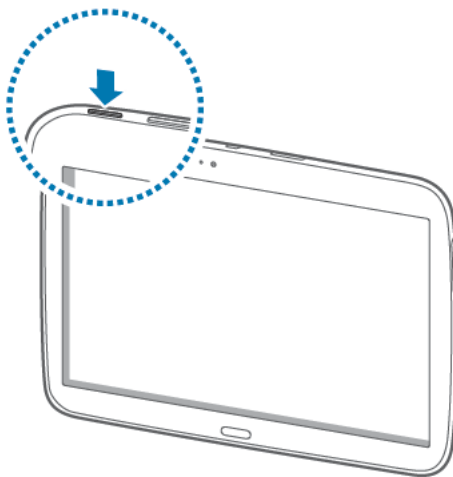


Before formatting the memory card, remember to make backup copies of all important data stored on the device. The manufacturer's warranty does not cover loss of data resulting from user actions.

Turning the device on and off

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

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



- Follow all posted warnings and directions from authorized personnel in areas where the use of wireless devices is restricted, such as aeroplanes and hospitals.
- Press and hold the Power button and tap **Flight mode** to disable the wireless features.

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

Holding the device

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

Locking and unlocking the device

When not in use, lock the device to prevent unwanted operation. Pressing the Power button turns off the screen and puts the device into lock mode. The device automatically gets locked if it is not used for a specified period.

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

Adjusting the volume

Press the Volume button left or right to adjust the ringtone volume, or to adjust the sound volume when playing music or video.

Switching to silent mode

Use one of the following methods:

- Press and hold the left Volume button until it switches to silent mode.
- Press and hold the Power button, and then tap **Mute** or **Vibrate**.
- Open the quick setting panel at the top right of the screen, and then tap **Sound** or **Vibrate**.

Basics

Indicator icons

The icons displayed at the top of the screen provide information about the status of the device. The icons listed in the table below are most common.

Icon	Meaning
	No signal
	Signal strength
	Roaming (outside of normal service area)
	GRPS network connected
	EDGE network connected
	UMTS network connected
	HSDPA network connected
	Wi-Fi connected
	Bluetooth feature activated
	GPS activated
	Call in progress
	Missed call
	Synced with the web
	Connected to computer
	No SIM or USIM card
	New text or multimedia message
	Alarm activated
	Silent mode activated
	Vibration mode activated
	Flight mode activated
	Error occurred or caution required
	Battery power level

Using the touch screen

Use only fingers to use the touch screen.

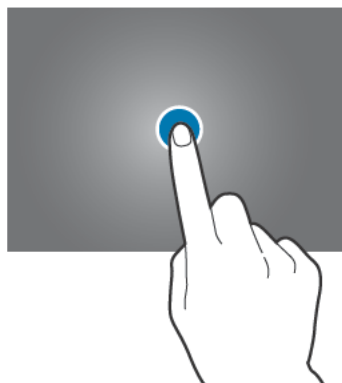


- Do not allow the touch screen to come into contact with other electrical devices. Electrostatic discharges can cause the touch screen to malfunction.
- Do not allow the touch screen to contact water. The touch screen may malfunction in humid conditions or when exposed to water.
- To avoid damaging the touch screen, do not tap it with anything sharp or apply excessive pressure to it with your fingertips.
- Leaving the touch screen idle for extended periods may result in afterimages (screen burn-in) or ghosting. Turn off the touch screen when you do not use the device.

Finger gestures

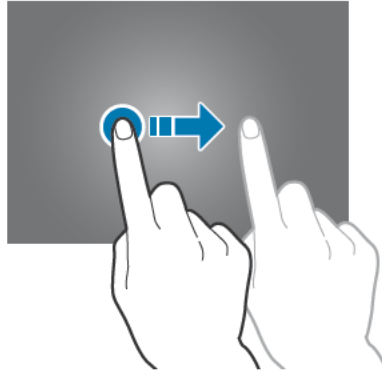
Tapping

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



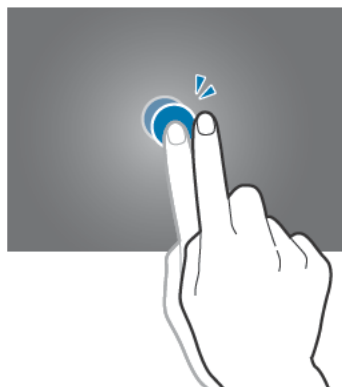
Dragging

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



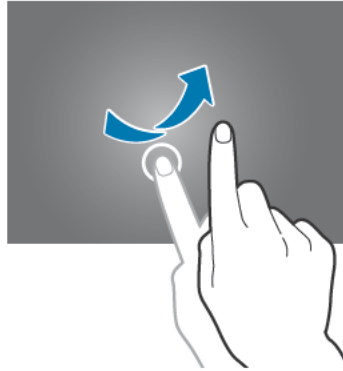
Double-tapping

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



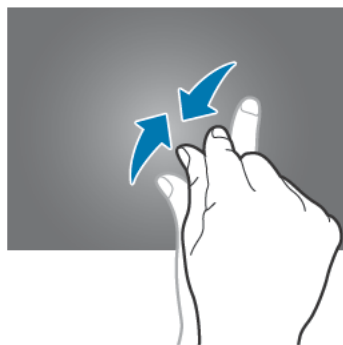
Flicking

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



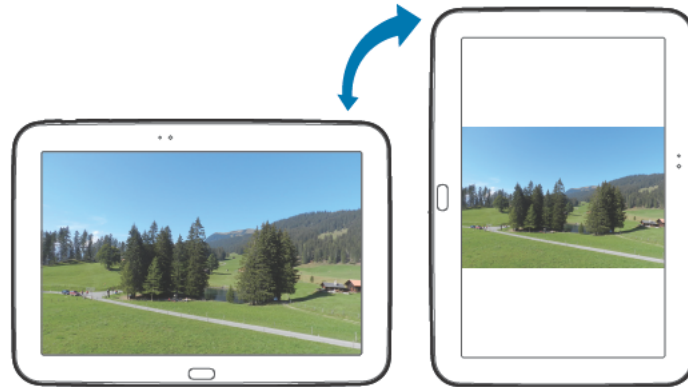
Pinching

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



Rotating the screen

Many applications allow display in either portrait or landscape orientation. Rotating the device causes the display to automatically adjust to fit the new screen orientation.



To prevent the display from rotating automatically, open the quick setting panel and deselect **Screen rotation**.



- Some applications do not allow screen rotation.
- Some applications display a different screen depending on the orientation. The calculator turns into a scientific calculator when rotated to landscape.

Notifications

Notification icons appear on the status bar at the top of the screen to report new messages, calendar events, device status, and more. Drag down from the top left of the status bar to open the notifications panel. Scroll through the list to see additional alerts. To close the notifications panel, drag up the bar at the bottom of the screen.

Quick setting panel

From the quick setting panel, you can view your device's current settings. Drag down from the top right of the status bar to open the quick setting panel and use the following options:

- **Wi-Fi:** Activate or deactivate the Wi-Fi feature.
- **GPS:** Activate or deactivate the GPS feature.
- **Sound:** Activate or deactivate silent mode. You can vibrate or mute your device in silent mode.
- **Screen rotation:** Allow or prevent the interface from rotating when you rotate the device.
- **Bluetooth:** Activate or deactivate the Bluetooth feature.
- **Mobile data:** Activate or deactivate the data connection.
- **Blocking mode:** Activate or deactivate blocking mode. In blocking mode, the device will block notifications. To select which notifications will be blocked, tap **Settings** → **Blocking mode**.
- **Power saving:** Activate or deactivate power-saving mode.
- **Sync:** Activate or deactivate auto-syncing of applications.



The available options may vary depending on the region or service provider.

Home screen

The Home screen is the starting point to access all of the device's features. It displays indicator icons, widgets, shortcuts to applications, and others.

The Home screen can have multiple panels. To view other panels, scroll left or right.

Rearranging items

Adding an application icon

On the Home screen, tap , tap and hold an application icon, and then drag it into a panel preview.

Adding an item

Customize the Home screen by adding widgets, folders, or pages.

Tap and hold the empty area on the Home screen, and then select one of the following categories:

- **Apps and widgets:** Add widgets to the Home screen.
- **Folder:** Create a new folder.
- **Page:** Create a new page.

Moving an item

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

Removing an item

Tap and hold an item, and drag it to the rubbish bin that appears at the top of the Home screen. When the rubbish bin turns red, release it.

Rearranging panels

Adding a new panel

Tap  → **Edit page** → .

Moving a panel

Tap  → **Edit page**, tap and hold a panel preview, and then drag it to a new location.

Removing a panel

Tap  → **Edit page**, tap and hold a panel preview, and then drag it to the rubbish bin at the top of the screen.

Setting wallpaper

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

On the Home screen, tap  → **Set wallpaper** → **Home screen**, and then select one of the following:

- **Gallery:** See photos taken by the device's camera or images downloaded from the Internet.
- **Live wallpapers:** See animated images.
- **Wallpapers:** See wallpaper images.

Then, select an image and tap **Set wallpaper**. Or, select an image, resize it by dragging the frame, and then tap **Done**.

Using widgets

Widgets are small applications that provide convenient functions and information on your Home screen. To use them, add widgets from the widgets panel to the Home screen.



- Some widgets connect to web services. Using a web-based widget may result in additional charges.
- The widgets available may vary depending on the region or service provider.

Adding widgets to the Home screen

On the Home screen, tap  → **Widgets**. Scroll left or right on the widgets panel, and then tap and hold a widget to add it to the Home screen.

Using the setting shortcut widget

On the Home screen, tap  → **Widgets**, and then tap and hold **Settings Shortcut** to open a list of setting options. Select a setting option to add it to the Home screen as a shortcut.

Using applications

This device can run many different types of applications, ranging from media to Internet applications.

Opening an application

On the Home screen or the Applications screen, select an application icon to open it.

Opening from recently-used applications

Press and hold the Home button to open the list of recently-used applications.

Select an application icon to open.

Closing an application

Close applications not in use to save battery power and maintain device performance.

Press and hold the Home button, tap **Task manager**, and then tap **End** next to an application to close it. To close all running applications, tap **End all**. Alternatively, press and hold the Home button, and then tap **Remove all**.

Applications screen

The Applications screen displays icons for all applications, including any new applications installed.

On the Home screen, tap  to open the Applications screen.

To view other panels, scroll left or right.

Rearranging applications

Tap  → **Edit**, tap and hold an application, and then drag it to a new location. To move it to another panel, drag it to the side of the screen.

Organizing with folders

Put related applications together in a folder for convenience.

Tap  → **Edit**, tap and hold an application, and then drag it to **Create folder**. Enter a folder name and then tap **OK**. Put applications into the new folder by dragging, and then tap **Save** to save the arrangement.

Rearranging panels

Pinch on the screen, tap and hold a panel preview, and then drag it to a new location.

Installing applications

Use application stores, such as **Samsung Apps**, to download and install applications.

Uninstalling applications

Tap  → **Uninstall**, and then select an application to uninstall it.



Default applications that come with the device cannot be uninstalled.

Sharing applications

Share downloaded applications with other users via email, Bluetooth, or other methods.

Tap  → **Share apps**, select applications, tap **Done**, and then select a sharing method. The next steps vary depending on the method selected.

Help

Access help information to learn how to use the device and applications or configure important settings.

Tap **Help** on the Applications screen. Select an item to view tips.

Entering text

Use the Samsung keyboard or the voice input feature to enter text.

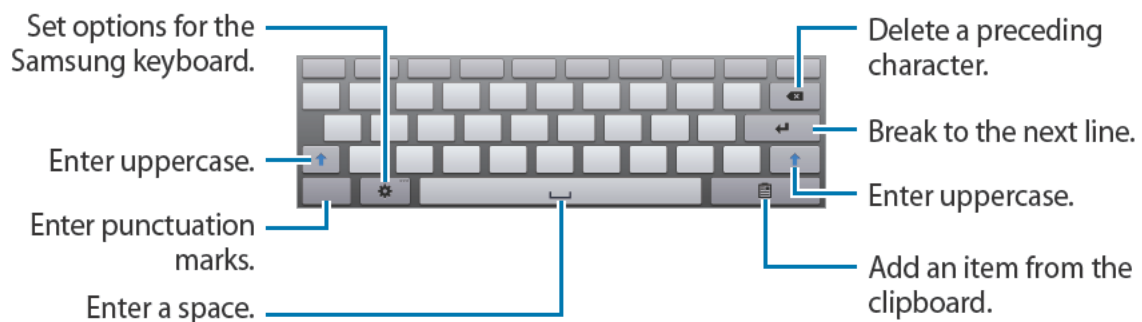


Text entry is not supported in some languages. To enter text, you must change the input language to one of the supported languages.

Changing the keyboard type

Tap any text field, open the notifications panel, tap **Choose input method**, and then select the type of keyboard to use.

Using the Samsung keyboard



Entering uppercase

Tap  before entering a character. For all caps, tap it twice.

Changing the keyboard type

Tap and hold , and then tap  to change the keyboard type. Tap and hold  and move the floating keyboard to another location.

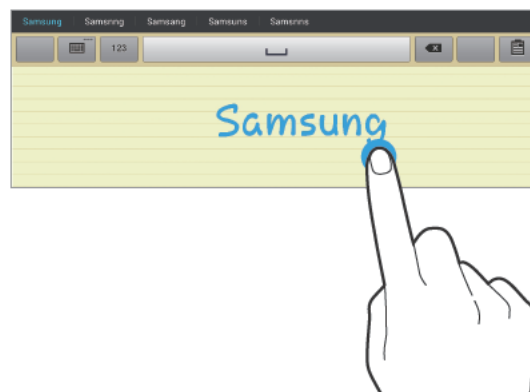
To switch to the fixed keyboard, tap .

Changing language keyboards

Add languages to the keyboard, and then slide the space key left or right to change language keyboards.

Handwriting

Tap and hold , tap , and then write a word with a finger. Suggested words appear as characters are entered. Select a suggested word.



Entering text by voice

Activate the voice input feature and then speak into the microphone. The device displays what you speak.

If the device does not recognize your words correctly, tap the underlined text and select an alternative word or phrase from the dropdown list.

To change the language or add languages for the voice recognition, tap the current language.

When you are finished, tap **Tap to pause**.

Copying and pasting

Tap and hold over text, drag  or  to select more or less text, and then tap **Copy** to copy or **Cut** to cut. The selected text is copied to the clipboard.

To paste it into a text entry field, tap and hold at the point where it should be inserted, and then tap **Paste**.

Connecting to a Wi-Fi network

Connect the device to a Wi-Fi network to use the Internet or share media files with other devices. (p. 88)

Turning Wi-Fi on and off

Open the quick setting panel, and then tap **Wi-Fi** to turn it on or off.



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

Joining Wi-Fi networks

On the Applications screen, tap **Settings** → **Wi-Fi**, and then drag the **Wi-Fi** switch to the right. Select a network from the list of detected Wi-Fi networks, enter a password if necessary, and then tap **Connect**. Networks that require a password appear with a lock icon. After the device connects to a Wi-Fi network, the device will automatically connect to it any time it is available.

Adding Wi-Fi networks

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

Forgetting Wi-Fi networks

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

Setting up accounts

Google applications, such as **Play Store**, require a Google account, and **Samsung Apps** requires a Samsung account. Create Google and Samsung accounts to have the best experience with the device.

Adding accounts

Follow the instructions that appear when opening a Google application without signing in to set up a Google account.

To sign in with or sign up for a Google account, on the Applications screen, tap **Settings** → **Add account** → **Google**. After that, tap **New** to sign up, or tap **Existing**, and then follow on-screen instructions to complete the account setup. More than one Google account can be used on the device.

Set up a Samsung account as well.

Removing accounts

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

Transferring files

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



The following file formats are supported by some applications. Some file formats are not supported depending on the version of the device's software.

- Music: mp3, m4a, mp4, 3gp, 3ga, wma, ogg, oga, aac, and flac
- Image: bmp, gif, jpg, and png
- Video: 3gp, mp4, avi, wmv, flv, and mkv
- Document: doc, docx, xls, xlsx, ppt, pptx, pdf, and txt

Connecting with Samsung Kies

Samsung Kies is a computer application that manages media libraries, contacts, and calendars, and syncs them with Samsung devices. Download the latest Samsung Kies from the Samsung website.

- 1 Connect the device to the computer using the USB cable.
Samsung Kies launches on the computer automatically. If Samsung Kies does not launch, double-click the Samsung Kies icon on the computer.
- 2 Transfer files between your device and the computer.
Refer to the Samsung Kies help for more information.

Connecting with Windows Media Player

Ensure that Windows Media Player is installed on the computer.

- 1 Connect the device to the computer using the USB cable.
- 2 Open Windows Media Player and sync music files.

Connecting as a media device

- 1 Connect the device to the computer using the USB cable.
- 2 Open the notifications panel, and then tap **Connected as a media device** → **Media device (MTP)**.

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

- 3 Transfer files between your device and the computer.

Securing the device

Prevent others from using or accessing personal data and information stored in the device by using the security features. The device requires an unlock code whenever unlocking it.

Setting a face unlock

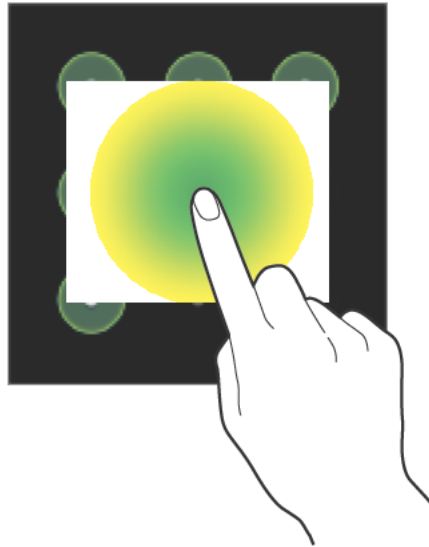
On the Applications screen, tap **Settings** → **Lock screen** → **Screen lock** → **Face unlock**.

Fit your face in the frame to be captured. Then, set a backup unlock PIN or pattern to unlock the screen in case the face unlock fails.

Setting a pattern

On the Applications screen, tap **Settings** → **Lock screen** → **Screen lock** → **Pattern**.

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



Setting a PIN

On the Applications screen, tap **Settings** → **Lock screen** → **Screen lock** → **PIN**.

Enter at least four numbers, and then enter the password again to verify it.

Setting a password

On the Applications screen, tap **Settings** → **Lock screen** → **Screen lock** → **Password**.

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

Unlocking the device

Turn on the screen by pressing the Power button or the Home button, and enter the unlock code.



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

Upgrading the device

The device can be upgraded to the latest software.



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

Upgrading with Samsung Kies

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



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

Upgrading over the air

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

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

Communication

Phone

Use this application to make or answer a call.

Tap **Phone** on the Applications screen.

Making calls

Making a call

Use one of the following methods:

- **Keypad:** Enter the number using the keypad, and then tap .
- **Logs:** Make a call from the history of incoming and outgoing calls and messages.
- **Favourites:** Make a call from the list of favourite contacts.
- **Contacts:** Make a call from the contacts list.

Speed dial numbers

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

Number prediction

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



Finding contacts

Enter a name, phone number, or email address to find a contact in the contacts list. As characters are entered, predicted contacts appear. Select one to place a call to it.

Making an international call

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

During a call

The following actions are available:

- **Add call:** Dial a second call.
- **Keypad:** Open the keypad.
- **Speaker:** Activate the speakerphone. Keep the device away from your ears when using the speakerphone.
- **Mute:** Turn off the microphone so that the other party cannot hear you.
- **Headset:** Switch to a Bluetooth headset if it is connected to the device.
- **Swap:** Switch between two calls.
- **Merge:** Make a multiparty call when connected to two calls. Repeat this to add more parties. This feature is available only if the multiparty call service is active.
-  → **Contacts:** Open the contacts list.
-  → **Message:** Send a message.
-  → **Memo:** Create a memo.
-  → **Transfer:** Connect the first party to the second party. This disconnects you from the conversation.
-  → **Manage conference call:** Have a private conversation with one party during a multiparty call or disconnect one party from the multiparty call.

Adding contacts

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

Sending a message

Tap **Message** to send a message to the number on display.

Viewing call logs

Tap **Logs** to view the history of incoming and outgoing calls.

To filter a call log, tap  → **View by**, and then select an option.

Fixed dialing number

The device can be set to restrict outgoing calls only to numbers with specified prefixes. Those prefixes are stored in the SIM or USIM card.

Tap  → **Call settings** → **Additional settings** → **Fixed Dialing Numbers** → **Enable FDN**, and then enter the PIN2 supplied with the SIM or USIM card. Tap **FDN list** and add numbers.

Call barring

The device can be set to prevent certain calls from being made. For example, international calling can be disabled.

Tap  → **Call settings** → **Additional settings** → **Call barring**, select a call type, select a call barring option, and then enter a password.

Receiving calls

Answering a call

When a call comes in, drag  outside the circle, or press the headset button.

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

Rejecting a call

When a call comes in, drag  outside the circle, or press and hold the headset button.

To send a message when rejecting an incoming call, tap **Reject call with message**. To create the rejection message, tap  → **Call settings** → **Set reject messages**.

Automatically rejecting calls from unwanted numbers

Tap  → **Call settings** → **Call rejection**, drag the **Auto reject mode** switch to the right, and then tap **Auto reject list**. Tap , enter a number, assign a category, and then tap **Save**.

Missed calls

If a call is missed,  appears on the status bar. Open the notifications panel to view the list of missed calls.

Call waiting

Call waiting is a service provided by the service provider. A user can use this service to suspend a current call and switch to an incoming call. This service is not available for video calls.

To make use of this service, tap  → **Call settings** → **Additional settings** → **Call waiting**.

Call forwarding

The device can be set to send incoming calls to a specified number.

Tap  → **Call settings** → **Additional settings** → **Call forwarding**, and then select a call type and condition. Enter a number and tap **Enable**.

Ending a call

Tap **End call** to end a call. Or press the headset button.

Contacts

Use this application to manage contacts, including phone numbers, email addresses, and others.

Tap **Contacts** on the Applications screen.

Managing contacts

Creating a contact

Tap  and enter contact information.

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

Editing a contact

Select a contact to edit, and then tap .

Deleting a contact

Tap .

Selecting a speed dial number

Tap  → **Speed dial setting**, select a speed dial number, and then select a contact for it. To remove a speed dial number, tap  → **Speed dial setting** →  → **Remove**.

Searching for contacts

Use one of the following search methods:

- Scroll up or down the contacts list.
- Use the index at the left side of the contacts list for quick scrolling, by dragging a finger along it.
- Tap the search field at the top of the contacts list and enter search criteria.

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

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

Displaying contacts

By default, the device shows all saved contacts on the device, the SIM or USIM card, or another account.

Tap  → **Contacts to display**, and then select a location where contacts are saved.

Importing and exporting contacts

Syncing with Google Contacts

Tap  → **Merge accounts** → **Merge with Google**.

Contacts synced with Google Contacts appear with  in the contacts list.

If a contact is added or deleted on the device, it is also added to or deleted from Google Contacts, and vice versa.

Syncing with Samsung Contacts

Tap  → **Merge accounts** → **Merge with Samsung**.

Contacts synced with Samsung Contacts appear with  in the contacts list.

If a contact is added or deleted on the device, it is also added to or deleted from Samsung Contacts, and vice versa.

Importing contacts

Tap  → **Import/Export** → **Import from USB storage**, **Import from SD card**, or **Import from SIM card**.

Exporting contacts

Tap  → **Import/Export** → **Export to USB storage**, **Export to SD card**, or **Export to SIM card**.

Sharing contacts

Tap  → **Import/Export** → **Share namecard via**, select contacts, tap **Done**, and then select a sharing method.

Favourite contacts

Tap **Contacts** → **Favourites**.

Tap , and then take one of the following actions:

- **Search:** Search for contacts.
- **Add to Favourites:** Add contacts to favourites.
- **Remove from Favourites:** Remove contacts from favourites.

Contact groups

Tap **Contacts** → **Groups**.

Adding contacts to a group

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

Managing groups

Tap , and then take one of the following actions:

- **Search:** Search for contacts.
- **Delete groups:** Select user-added groups, and then tap **Delete**. Default groups cannot be deleted.
- **Edit:** Change the group settings.
- **Add member:** Add members to the group.
- **Remove member:** Remove members from the group.
- **Send message:** Send a message to a group's members.
- **Send email:** Send an email to a group's members.
- **Change order:** Tap and hold  next to the group name, drag it up or down to another position, and then tap **Done**.

Sending a message or email to a group's members

Select a group, tap  → **Send message** or **Send email**, select members, and then tap **Done**.

Business card

Create a business card and send it to others.

Tap **Set up my profile**, enter details, such as phone number, email address, and postal address, and then tap **Save**. If user information has been saved when you set up the device, select the business card in **ME**, and then tap  to edit.

Tap  → **Share namecard via**, and then select a sharing method.

Messaging

Use this application to send text messages (SMS) or multimedia messages (MMS).

Tap **Messaging** on the Applications screen.



You may incur additional charges for sending or receiving messages while you are outside your home service area. For details, contact your service provider.

Sending messages

Tap , add recipients, enter a message, and then tap .

Use the following methods to add recipients:

- Enter a phone number.
- Tap , select contacts, and then tap **Done**.

Use the following methods to make a multimedia message:

- Tap  and attach images, videos, contacts, memos, events, and others.
- Tap  → **Add subject** to enter a subject.

Sending scheduled messages

While composing a message, tap  → **Scheduling**. Set a time and date, and then tap **OK**. The device will send the message at the specified time and date.



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

Viewing incoming messages

Incoming messages are grouped into message threads by contact.

Select a contact to view the person's message.

Listening to a voice message

Tap and hold **1** on the keypad, and then follow the instructions from your service provider.

Email

Use this application to send or view email messages.

Tap **Email** on the Applications screen.

Setting up email accounts

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

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

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

Sending messages

Tap the email account to use, and then tap  at the top of the screen. Enter recipients, subject, and message, and then tap **Send**.

Tap  to add a recipient from the contacts list.

Tap **+Cc/Bcc** to add more recipients.

Tap **+Me** to add yourself as a recipient.

Tap  to attach images, videos, contacts, memos, events, and others.

Tap  to insert images, events, contacts, and location information into the message.

Sending scheduled messages

While composing a message, tap . Tick **Schedule sending**, set a time and date, and then tap **Done**. The device will send the message at the specified time and date.

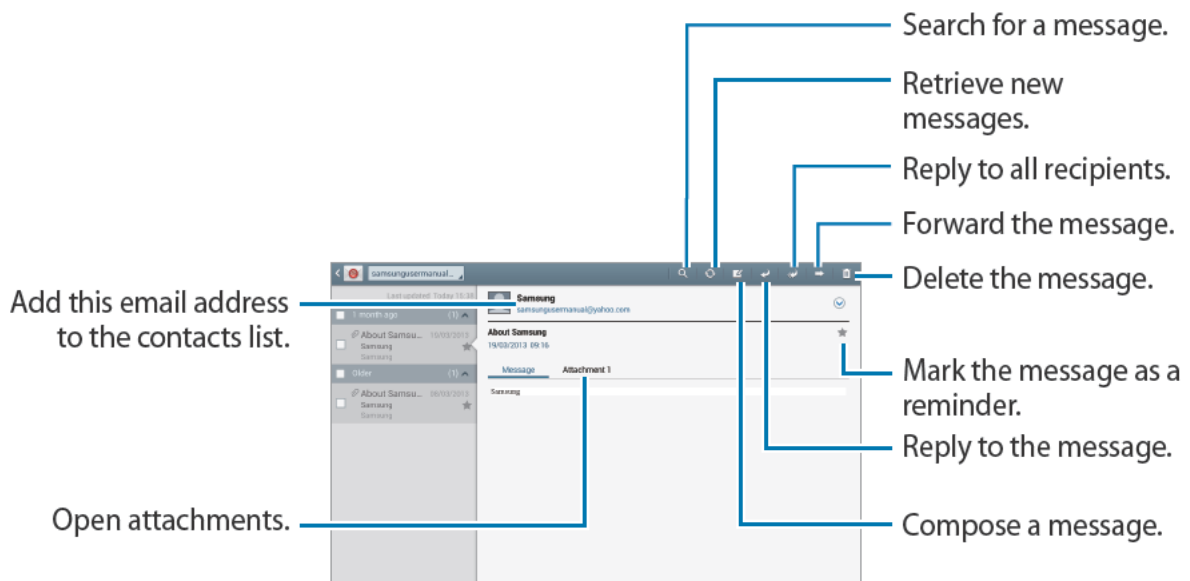


- If the device is turned off at the scheduled time, is not connected to the network, or the network is unstable, the message will not be sent.
- This feature is based on the time and date set on the device. The time and date may be incorrect if you move across time zones and the network does not update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

Reading messages

Select an email account to use, and new messages are retrieved. To manually retrieve new messages, tap .

Tap a message to read.



Tap the attachment tab to open attachments, and then tap  next to an attachment to save it.

Gmail

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

Tap **Gmail** on the Applications screen.



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

Sending messages

In any mailbox, tap , enter recipients, a subject, and a message, and then tap **SEND**.

Tap **+CC/BCC** to add more recipients.

Tap  to attach images.

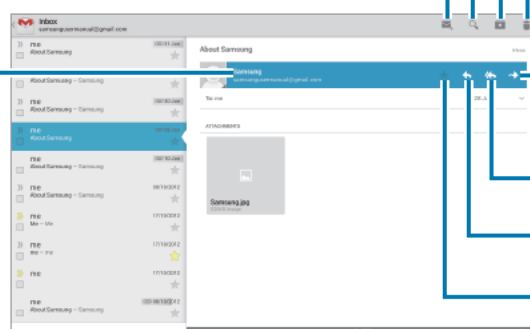
Tap  → **Save draft** to save the message for later delivery.

Tap  → **Attach video** to attach videos.

Tap  → **Discard** to start over.

Reading messages

Add this email address
to the contacts list.



Compose a message.

Search for a message.

Delete this message.

Keep this message for
long-term storage.

Forward this message
to others.

Reply to all recipients.

Reply to this message.

Mark the message as a
reminder.

Labels

Google Mail does not use actual folders, but uses labels instead. When Google Mail is launched, it displays messages labelled Inbox.

To add a label to a message, select the message, tap  → **Change labels**, and then select the label to assign.

Talk

Use this application to chat with others via Google Talk.

Tap **Talk** on the Applications screen.



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

Public profile

Tap the account ID at the top of the friends list to change the availability status, image, or status message.

Adding friends

Tap , enter the email address of the friend to add, and then tap **DONE**.

Chatting with friends

Select a friend from the friends list, enter a message in the field at the bottom of the screen, and then tap ➤.

To add a friend to chat, tap  → **Add to chat**.

To end the chat, tap  → **End chat**.

Switching between chats

Select a friend from the friends list.

Deleting chat history

Chats are automatically saved. To delete chat history, tap  → **Clear chat history**.

Google+

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

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



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

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

ChatON

Use this application to chat with any device that has a mobile phone number.

Tap **ChatON** on the Applications screen.



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

Create the buddies list by entering phone numbers or email addresses of Samsung accounts, or selecting buddies from the list of suggestions.

Select a buddy to start chatting.

To sync contacts on the device with ChatON, tap **Settings** → **Sync Contacts**.

Messenger

Use this application to chat with others via Google+ instant messaging service.

Tap **Messenger** on the Applications screen.



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

Select a friend from the friends list, enter a message in the field at the bottom of the screen, and then tap ►.

Web & network

Internet

Use this application to browse the Internet.

Tap **Internet** on the Applications screen.

Viewing webpages

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

Tap  to share, save, or print the current webpage while viewing a webpage.

To change the search engine, tap  → **Advanced** → **Set search engine**.

Opening a new page

Tap .

To go to another webpage, scroll left or right on the title field, and tap the page to select it.

Searching the web by voice

Tap the address field, tap , speak a keyword, and then select one of the suggested keywords that appear.



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

Bookmarks

To bookmark the current webpage, tap .

To open a bookmarked webpage, tap  and then select one.

History

Tap  → **History** to open a webpage from the list of recently-visited webpages. To clear the history, tap  → **Clear history**.

Tap  → **History** → **Most visited** to open a webpage from the list of most visited webpages.

Saved pages

To view saved webpages, tap  → **Saved pages**.

Links

Tap and hold a link on the webpage to open it in a new page, save, or copy.

To view saved webpages, tap  → **Downloads**.

Sharing webpages

To share a webpage address with others, tap  → **Share page**.

To share a part of a webpage, tap and hold the desired text, and then tap **Share**.

Chrome

Use this application to search for information and browse webpages.

Tap **Chrome** on the Applications screen.



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

Viewing webpages

Tap the address field, and then enter a web address or search criteria.

Opening a new page

Tap  → **New tab**.

To go to another webpage, scroll left or right on the title field, and tap the page to select it.

Bookmarks

To bookmark the current webpage, tap ☆, enter details, such as name and web address, and then tap **Save**.

To open a bookmarked webpage,  → **Bookmarks**, and then select one.

Searching the web by voice

Tap , speak a keyword, and then select one of the suggested keywords that appear.

Syncing with other devices

Sync open tabs and bookmarks to use with Chrome on another device, when you are logged in with the same Google account.

To view open tabs on other devices, tap  → **Other devices**. Select a webpage to open. To view bookmarks, tap ☆.

Bluetooth

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



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

To activate Bluetooth, on the Applications screen, tap **Settings** → **Bluetooth**, and then drag the **Bluetooth** switch to the right.

Pairing with other Bluetooth devices

On the Applications screen, tap **Settings** → **Bluetooth** → **Scan**, and detected devices are listed. Select the device you want to pair with, and then accept the auto-generated passkey on both devices to confirm.

Sending and receiving data

Many applications support data transfer via Bluetooth. An example is **Gallery**. Open **Gallery**, select an image, tap  → **Bluetooth**, and then select one of the paired Bluetooth devices. After that, accept the Bluetooth authorisation request on the other device to receive the image. The transferred file is saved in the **Bluetooth** folder. If a contact is received, it is added to the contacts list automatically.

Smart Remote

Use this application to use the device as a remote control for TVs and entertainment systems.

Tap **Smart Remote** on the Applications screen.

You must first connect the device to a Wi-Fi AP and ensure that the device's infrared port is facing the TV.

Setting the device as a remote control for a TV

Tap **Choose Your Country or Region**, select a country or a region, and then follow on-screen instructions to complete the setup process.

To open the remote control panel, tap the panel handle at the bottom right edge of the screen.

To add another room, tap  > **Add New Room**.

Customizing remote control settings

Tap  and use the following options:

- **Edit channels:** Hide channels.
- **Rooms & Devices:** Change connection settings.
 - **Provider:** Hide channels.
 - **TV:** Change command codes when there are problems with particular controls.
 - **Add New Device:** Add connections for peripheral devices connected to the TV.
- **Profile:** Enter user profile so that Peel can help you find top picks you can enjoy.
- **Favorite Programs:** View favourite programs.
- **Cut programs:** Restore previously hidden programs.
- **Genres:** Hide or change the order of genres.
- **Sports:** Hide or change the order of sports.
- **Send Feedback:** Report your opinions for application development.
- **Reset Peel:** Reset the connection settings.

Media

Music Player

Use this application to listen to music.

Tap **Music Player** on the Applications screen.

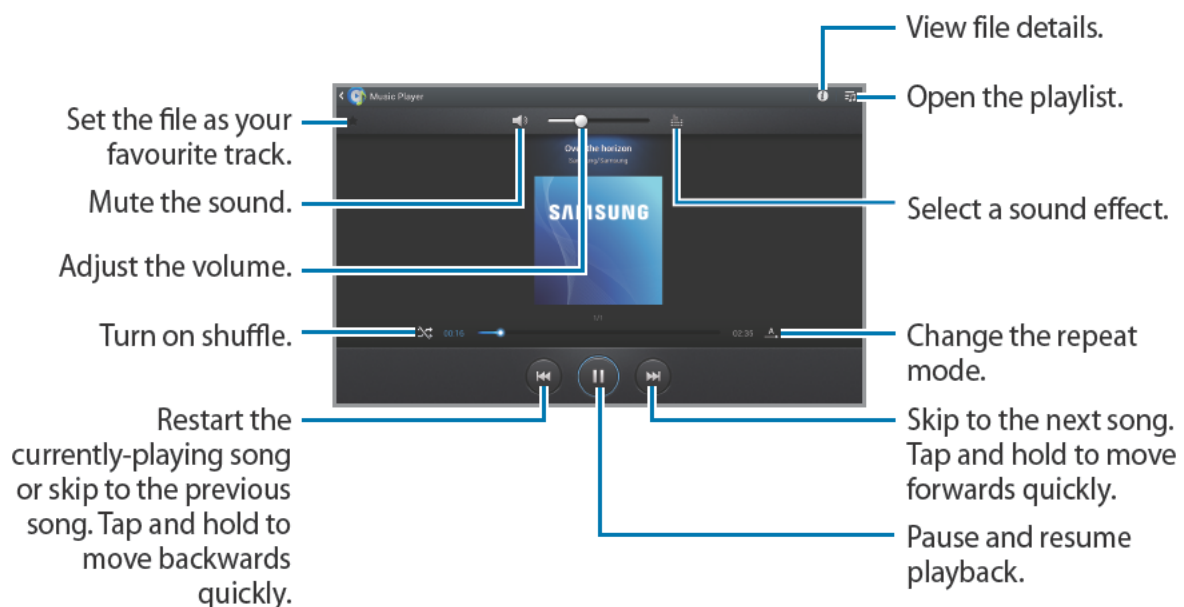


- Some file formats are not supported depending on the device's software version.
- Some files may not play properly depending on the encoding used.

Playing music

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

Tap the album image to open the music player screen.



Setting a song as ringtone or alarm tone

To use the currently-playing song as ringtone or alarm tone, tap  → **Set as**, and select an option.

Creating playlists

Make an own selection of songs.

Tap  → **New playlist**. Enter a title and tap **OK**. Select songs to include, and then tap **Done**.

To add the currently-playing song to a playlist, tap  → **Add to playlist**.

Playing music by mood

Play music grouped by mood. The playlist is automatically created by the device. When a new song is added, tap **Music square** → .

Tap **Music square** and select a cell of mood. Or select multiple cells by dragging your finger.

Camera

Use this application to take photos or videos.

Use **Gallery** to view photos and videos taken with the device's camera. (p. 62)

Tap **Camera** on the Applications screen.



The camera automatically shuts off when unused.

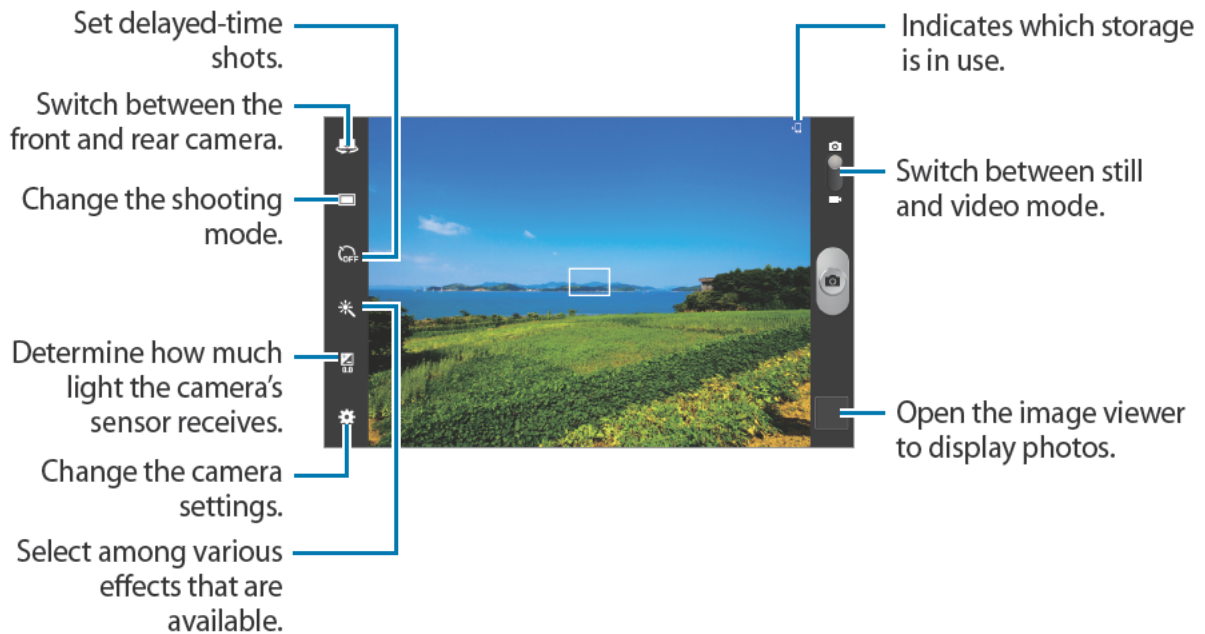
Camera etiquette

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

Taking photos

Taking a photo

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



Scene mode

Predefined settings make point-and-shoot photos easier to take.

Tap  → **Scene mode**.

- **Landscape:** Use this setting to take photos of blue skies and landscapes with richer colours.
- **Sports:** Use this setting for fast-moving subjects.
- **Party/Indoor:** Use this setting for well-lit indoor scenes.
- **Beach/Snow:** Use this setting for well-lit or sunny outdoor scenes.

- **Sunset:** Use this setting for richer colours and sharper contrasts.
- **Dawn:** Use this setting for very subtle colours.
- **Autumn colour:** Use this setting for red-shifted background scenery.
- **Candlelight:** Use this setting for images of bright light against a dark background.
- **Firework:** Use this setting for high-contrast scenes.
- **Backlight:** Use this setting for subjects with bright lights behind them.
- **Night:** Use this setting for images taken in darker conditions.

Shooting mode

Several photo effects are available.

Tap  → **Shooting mode**.

- **Single shot:** Take a single photo.
- **Panorama:** Take a photo composed of many photos strung together.
- **Share shot:** Send a photo directly to another device via Wi-Fi Direct.
- **Buddy photo share:** Set the device to recognize a person's face that you have tagged in a photo and send it to that person. Face recognition may fail depending on the face angle, face size, skin colour, facial expression, light conditions, or accessories the subject is wearing.

Panoramic photos

A panoramic photo is a wide landscape image consisting of multiple shots.

Tap  → **Shooting mode** → **Panorama**.

Tap  and move the camera in one direction. When the blue frame aligns with the viewfinder, the camera automatically takes another shot in a panoramic sequence. To stop shooting, tap .

Taking videos

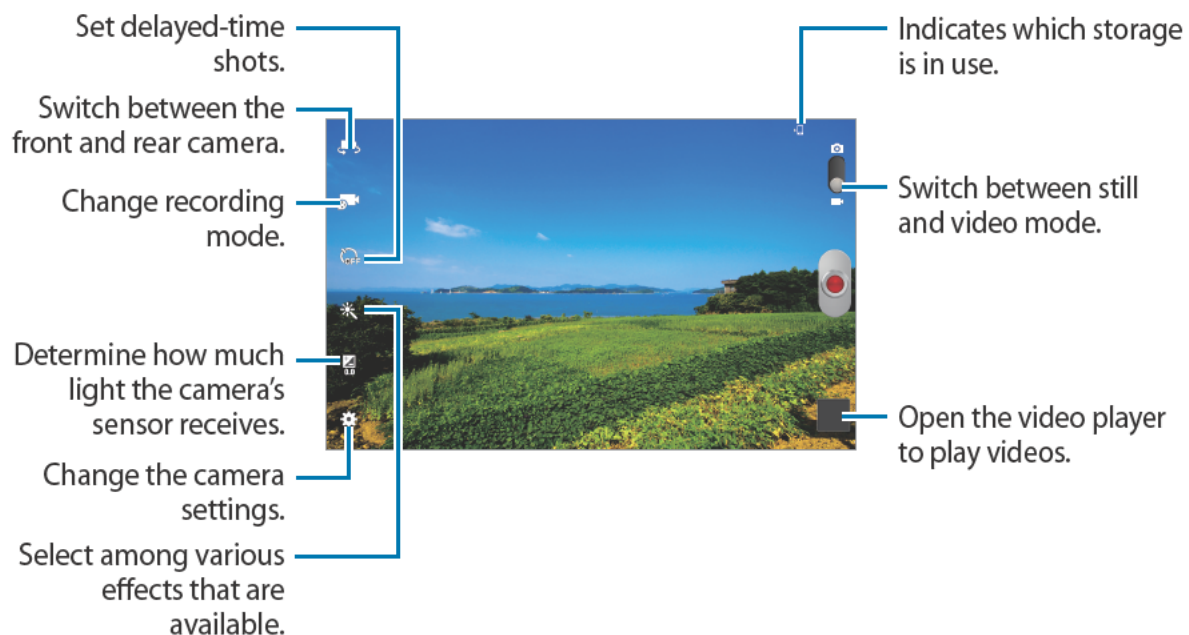
Taking a video

Slide the still-video switch to the video icon, and then tap  to take a video. To pause recording, tap . To stop recording, tap .



Manual focus is not available in video mode.

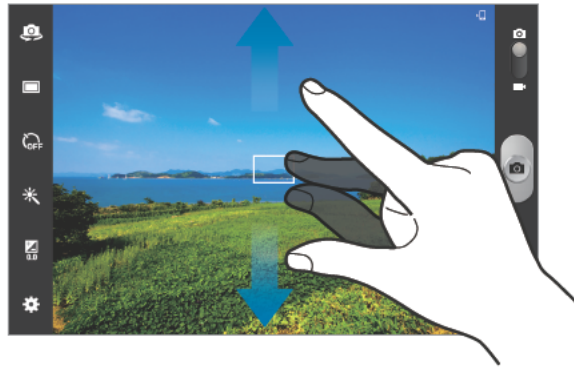
Recording mode



Tap  to change recording mode.

- **Normal:** Use this mode for normal quality.
- **Limit for MMS:** Use this mode to lower quality for sending via messaging.
- **Limit for Email:** Use this mode to lower quality for sending via email.

Zooming in and out



Use one of the following methods:

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



The zoom in/out effect is available when using the zoom feature while shooting video.

Configuring settings for Camera

Tap  to configure settings for Camera. Not all of the following options are available in both still camera and video camera modes. The available options vary depending on the mode used.

- **Edit shortcuts:** Reorganize shortcuts to frequently-used options.
- **GPS tag:** Attach a GPS location tag to the photo.



- To improve GPS signals, avoid shooting in locations where the signal may be obstructed, such as between buildings or in low-lying areas, or in poor weather conditions.
- Your location may appear on your photos when you upload them to the Internet. To avoid this, deactivate the GPS tag setting.
- **Self portrait:** Take a photo of yourself.
- **Self recording:** Take a video of yourself.
- **Shooting mode:** Change the shooting mode.
- **Recording mode:** Change recording mode.
- **Effects:** Select among various photo effects that are available.
- **Scene mode:** Change the scene mode.
- **Exposure value:** Change the exposure value. This determines how much light the camera's sensor receives. For low-light situations, use a higher exposure.
- **Timer:** Use this for delayed-time shots.
- **Resolution:** Select a resolution. Use higher resolution for higher quality. But it takes up more memory.
- **White balance:** Select an appropriate white balance, so images have a true-to-life colour range. The settings are designed for specific lighting situations. These settings are similar to the heat range for white-balance exposure in professional cameras.

- **Metering:** Select a metering method. This determines how light values are calculated. **Centre-weighted** measures background light in the centre of the scene. **Spot** measures the light value at a specific location. **Matrix** averages the entire scene.
- **Outdoor visibility:** Use this for bright, outdoor conditions.
- **Guidelines:** Display viewfinder guides to help composition when selecting subjects.
- **Save as flipped:** Invert the image to create a mirror-image of the original scene.
- **Image quality:** Set the quality level for photos. Higher quality images require more storage space.
- **Video quality:** Set the quality level for videos.
- **Storage:** Select the memory location for storage.
- **Reset:** Reset the camera settings.

Shortcuts

Reorganize shortcuts for easy access to the camera's various options.

Tap  → **Edit shortcuts.**

Tap and hold an option and drag it to a slot at the left of the screen. The other icons can be moved within the list by tapping and dragging them.

Gallery

Use this application to view images and videos.

Tap **Gallery** on the Applications screen.



- Some file formats are not supported depending on the software installed on the device.
- Some files may not play properly depending on how they are encoded.

Viewing images

Launching **Gallery** displays available folders. When another application, such as **Email**, saves an image, the **Download** folder is automatically created to contain the image. Likewise, capturing a screenshot automatically creates the **Screenshots** folder. Select a folder to open it.

In a folder, images are displayed by creation date. Select an image to view it in full screen. Scroll left or right to view the next or previous image.

Zooming in and out

Use one of the following methods to zoom in an image:

- Double-tap anywhere to zoom in.
- Spread two fingers apart on any place to zoom in. Pinch to zoom out, or double-tap to return.

Playing videos

Video files show the  icon on the preview. Select a video to watch it and tap .

Editing images

When viewing an image, tap  and use the following functions:

- **Slideshow:** Start a slideshow with the images in the current folder.
- **Photo frame:** Use this to write a note below the image. The edited image is saved in the **Photo frame** folder.
- **Photo note:** Use this to write a note on the back of the image. Tap  to edit the note.
- **Copy to clipboard:** Copy to clipboard.
- **Rotate left:** Rotate counter-clockwise.
- **Rotate right:** Rotate clockwise.
- **Crop:** Resize the blue frame to crop and save the image in it.
- **Set as:** Set the image as a wallpaper or a contact image.
- **Buddy photo share:** Send the image to a person whose face is tagged in the image.
- **Print:** Print via a USB or Wi-Fi connection. The device is only compatible with some Samsung printers.
- **Rename:** Rename the file.
- **Scan for nearby devices:** Search for devices that have media sharing activated.
- **Details:** View image details.
- **Settings:** Change the Gallery settings.

Favourite images

When viewing an image, tap  to add the image to the favourites list.

Deleting images

Use one of the following methods:

- In a folder, tap  → **Select item**, select images by ticking, and then tap .
- When viewing an image, tap .

Sharing images

Use one of the following methods:

- In a folder, tap  → **Select item**, select images by ticking, and then tap  to send them to others.
- When viewing an image, tap  to send it to others or share it via social network services.

Setting as wallpaper

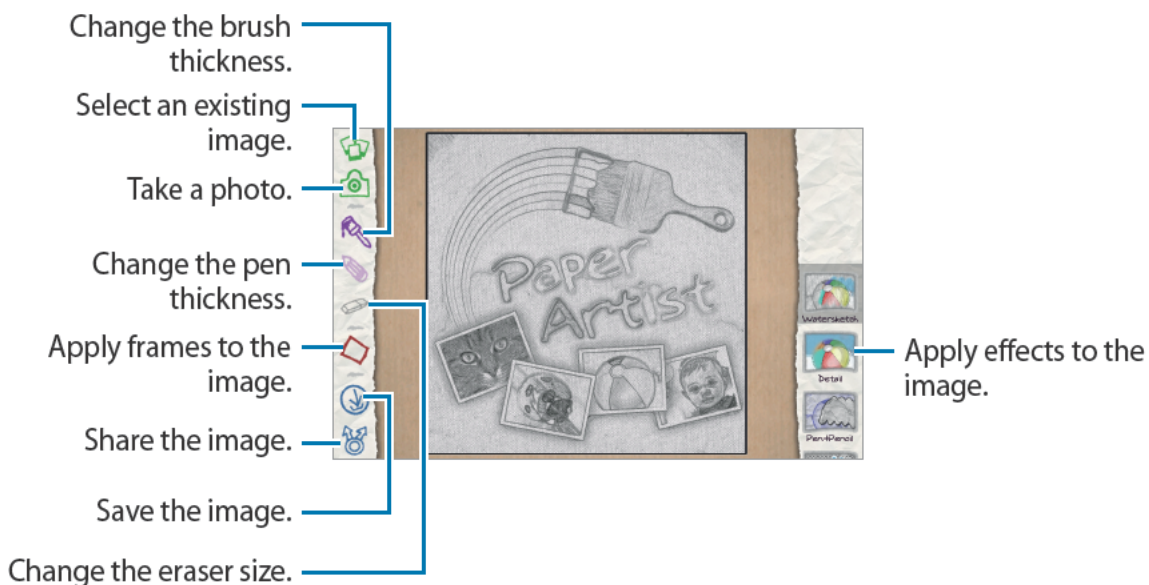
When viewing an image, tap  → **Set as** to set the image as wallpaper or to assign it to a contact.

Paper Artist

Use this application to make images look like illustrations with fun effects or frames.

Tap **Paper Artist** on the Applications screen.

Use artistic tools to edit an image. The edited image is saved in the **Gallery** → **Paper Pictures** folder.



Video Player

Use this application to play video files.

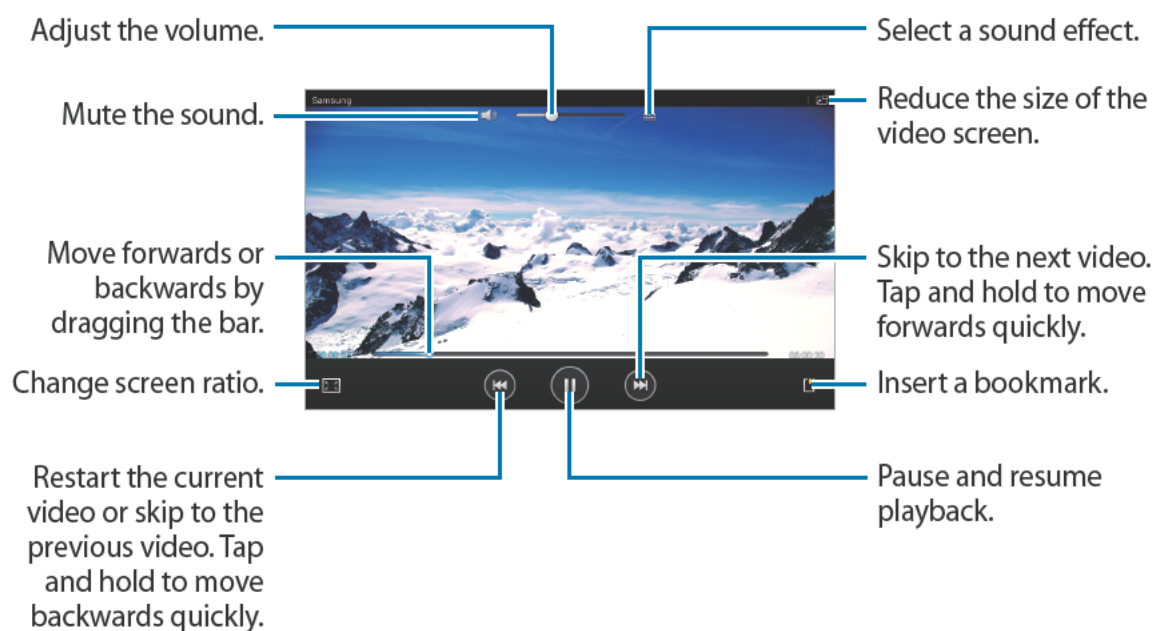
Tap **Video Player** on the Applications screen.



- Avoid locking the device's screen while playing a DivX Video-On-Demand. Each time you lock the screen while playing a DivX Video-On-Demand, one of your available rental counts is lost.
- Some file formats are not supported depending on the device's software.
- Some files may not play properly depending on how they are encoded.

Playing videos

Select a video to play.



Deleting videos

Tap  → **Delete**, select videos by ticking, and then tap **Delete**.

Sharing videos

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

Using Popup Video player

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

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

YouTube

Use this application to watch videos from the YouTube website.

Tap **YouTube** on the Applications screen.



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

Watching videos

Tap , and then enter a keyword. Select one of the returned search results to watch a video.

Tap  to display full screen.



Sharing videos

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

Uploading videos

Select your account, tap , select a video, enter information for the video, and then tap **UPLOAD**.

Flipboard

Use this application to access your personalized magazines.

Tap **Flipboard** on the Applications screen.



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

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

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

While reading an article, use the following icons:

-  : Go to the previous page.
-  : Set the article as your likes in Facebook.
-  : View others' comments about the article.
-  : Share the article with others.

Application & media stores

Play Store

Use this application to purchase and download applications and games that are able to run on the device.

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



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

Installing applications

Browse applications by category, or tap  to search with a keyword.

Select an application to view information. To download it, tap **Install**. If there is a charge for the application, tap the price, and follow on-screen instructions to complete the purchase process.



- When a new version is available for any installed application, an update icon appears at the top of the screen to alert you to the update. Open the notifications panel and tap the icon to update the application.
- To install applications that you downloaded from other sources, on the Applications screen, tap **Settings** → **Security** → **Unknown sources**.

Uninstalling applications

Uninstall the applications purchased from **Play Store**.

Tap , select an application to delete in the list of installed applications, and then tap **Uninstall**.

Samsung Apps

Use this application to purchase and download dedicated Samsung applications. For more information, visit www.samsungapps.com.

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



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

Installing applications

Browse applications by category. Tap  to select a category.

To search for an application, tap  at the top of the screen, and then enter a keyword in the search field.

Select an application to view information. To download it, tap **Get** or **Buy**.



When a new version is available for any installed application, an update icon appears at the top of the screen to alert you to the update. Open the notifications panel and tap the icon to update the application.

Game Hub

Use this application to access games.

Tap **Game Hub** on the Applications screen.



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

Scroll left or right and select a game to download from **Samsung Apps**.

Play Books

Use this application to read and download book files.

Tap **Play Books** on the Applications screen.



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

Select a book file by scrolling left or right. While reading a book file, tap  to access additional options.

To purchase book files, tap .

Play Movies

Use this application to watch, download, and rent movies or TV shows.

Tap **Play Movies** on the Applications screen.



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

Select a category at the top of the screen, and then select a movie, TV programme, or video to play or rent.

Play Music

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

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



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

Play music by selecting a music category or share songs with others by uploading them to the Google cloud storage.

Video Hub

Use this application to access and purchase videos.

Tap **Video Hub** on the Applications screen.



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

Select a category, and then select a video.

Readers Hub

Use this application to purchase books or subscribe to newspapers or magazines.

Tap **Readers Hub** on the Applications screen.



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

Select a category, find a book file, and then download it.

Learning Hub

Use this application to access learning material.

Tap **Learning Hub** on the Applications screen.



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

Select a category, and then select a video lecture or book.

Utilities

Memo

Use this application to record important information to save and view at a later date.

Tap **Memo** on the Applications screen.

Composing memos

Tap , enter a memo, and then tap **Save**.

To change the background colour, tap  → **Colour**. Each category has different background colour.

To lock the memo so that others cannot view it, tap  → **Lock**.

Browsing notes

Browse memo thumbnails by scrolling up or down.

To edit the memo, tap the memo.

To search for a memo, tap .

To change the view mode, tap .

To delete memos, tap .

To send memos to others, tap  → **Share via**.

To print memos via a USB or Wi-Fi connection, tap **Print**. The device is only compatible with some Samsung printers.

To sync memos with a Google account, tap  → **Memo sync**.

Viewing a memo

Tap the memo thumbnail to open it. Scroll left or right to see more memos.

Tap  and use the following:

- **Delete:** Delete the memo.
- **Colour:** Change the background colour.
- **Lock:** Lock the memo so that others cannot view it.
- **Print:** Print the memo via a USB or Wi-Fi connection. The device is only compatible with some Samsung printers.
- **Share via:** Send the memo to others.

S Planner

Use this application to manage events and tasks.

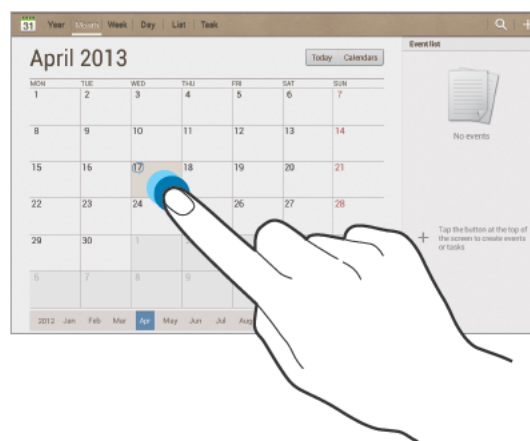
Tap **S Planner** on the Applications screen.

Creating events or tasks

Tap , and then use one of the following methods:

- **Add event:** Enter an event with an optional repeat setting.
- **Add task:** Enter a task with an optional priority setting.

To add an event or task more briefly, tap a date to select it and tap it again.



Enter a title and specify which calendar to use or sync with. Then tap **Edit event details** or **Edit task details** to add more details, such as how often the event repeats, when it has an advance alert, or where it takes place.

Attach a map showing the location of the event. Enter the location in the **Location** field, tap  next to the field, and then pinpoint the precise location by tapping and holding on the map that appears.

Attach an image. Tap **Images**, and then take a photo or select one of the existing images.

Syncing with Google Calendar

On the Applications screen, tap **Settings** → **Google** under **Accounts** → a Google account → **Sync Calendar**. To manually sync for updating, on the Applications screen, tap **S Planner** →  → **Sync**.

To display synced event or task, tap  → **Settings** → **View settings** → **Calendars**, select the Google account, and then tap **OK**.

Changing calendar type

Select one from among different types of calendars including year, month, week, and others. A pinch gesture can be used to change calendar type. For example, pinch to change from the monthly calendar to the yearly calendar, and spread apart to change yearly calendar back to monthly calendar.

Searching for events

Tap , and then enter a keyword to search for.

To view today's events, tap **Today**.

Deleting events

Select an event, and then tap  → **Delete**.

Sharing events

Select an event, tap  → **Share via**, and then select a sharing method.

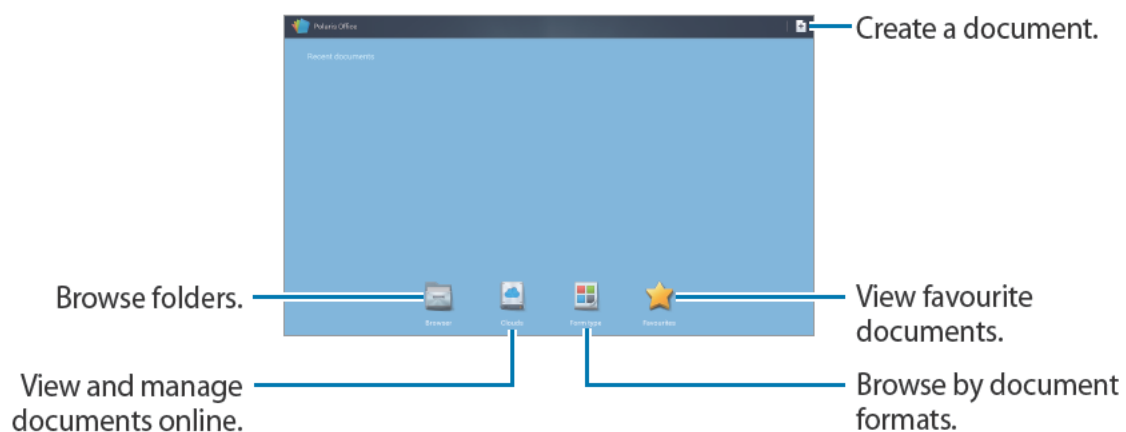
Polaris Office

Use this application to edit documents in various formats, including spreadsheets and presentations.

Tap **Polaris Office** on the Applications screen.



Some functions may not be available, depending on the file type.



Creating documents

Tap , and then select a document type.

Use the editing toolbar at the top of the screen to edit the document.

To finish, tap  → , enter a filename, select a folder to save to, and then tap **Save**.

Reading documents

Tap **Browser**, **Clouds**, **Form type**, or **Favourites**, and then select a file to open.

To start a slideshow, tap .

Tap , and then use one of the following functions:

Document

- **Save as:** Save the document with a different name.
- **PDF export:** Save the document as a PDF file.
- **Find & Replace:** Search for or replace text.
- **Page layout:** Change the layout of pages.
- **Full width view:** View the document contents only, without margins.
- **Zoom:** Change the view size.
- **Reflow text:** Rearrange the text to fit the screen.
- **View Comment:** View comments in the document.
- **TTS:** Read the document via the text-to-speech feature.
- **Print:** Print the document via a USB or Wi-Fi connection. The device is only compatible with some Samsung printers.

Presentation

- **Save as:** Save the document with a different name.
- **PDF export:** Save the document as a PDF file.
- **Find & Replace:** Search for or replace text.
- **Continuous view:** View slides continuously.
- **Zoom:** Change the view size.
- **Print:** Print the document via a USB or Wi-Fi connection. The device is only compatible with some Samsung printers.

Spreadsheet

- **Save as:** Save the document with a different name.
- **Find & Replace:** Search for or replace text.
- **Protect worksheet:** Lock the sheet so that others cannot edit it.
- **Freeze frame:** Keep the selected row in place.
- **Recalculation:** Recalculate the functions on the sheet.
- **Sort:** Sort cells by specific criteria.
- **Filter:** View cells filtered by specific criteria.
- **Zoom:** Change the view size.
- **Print:** Print the document via a USB or Wi-Fi connection. The device is only compatible with some Samsung printers.

Text

- **Save as:** Save the document with a different name.
- **TTS:** Read the document via the text-to-speech feature.
- **Print:** Print the document via a USB or Wi-Fi connection. The device is only compatible with some Samsung printers.

Dropbox

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

Tap **Dropbox** on the Applications screen.



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

When running Dropbox for the first time, tap **Start** to activate it. Follow the on-screen instructions to complete the setup.

To upload files to Dropbox, tap  →  → **Upload here** → **Photos or videos** or **Other files**.

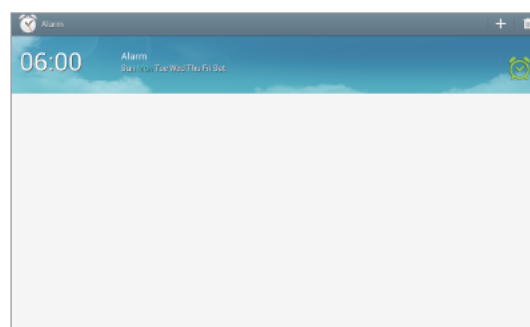
To open a file in Dropbox, tap , and then select a file. While viewing the file, tap  to add it to the favourites list.

To open favourite files, tap .

Alarm

Use this application to set alarms for important events.

Tap **Alarms** on the Applications screen.



Turn this alarm on or off.

Setting alarms

Tap , set a time for the alarm to go off, select days for the alarm to repeat, and then tap **Save**.

- **Snooze:** Set an interval and the number of times for the alarm to repeat after the preset time.
- **Smart alarm:** Set a time for the alarm to go off before the preset time.

Stopping alarms

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

Deleting alarms

Tap and hold the alarm, and then tap **Delete**.

World Clock

Use this application to check the time of many major cities in the world.

Tap **World Clock** on the Applications screen.

Creating clocks

Tap , enter a city name or select a city from the globe, and then tap .

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

Deleting clocks

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

Calculator

Use this application for simple or complex calculations.

Tap **Calculator** on the Applications screen.

To see calculation history, tap  to hide the keypad.

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

To change the character size for history, tap  → **Text size**.

S Voice

Use this application to command the device by voice to send a message, write a memo, and more.

Tap **S Voice** on the Applications screen.



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

Here are several examples of spoken commands:

- Open music
- Launch calculator
- Call Lulu mobile
- Dial Lulu work
- Check schedule

Tips for better voice recognition

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

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

Google

Use this application to search not only the Internet, but also applications and their contents on the device as well.

Tap **Google** on the Applications screen.

Searching the device

Tap the search field, and then enter a keyword. Alternatively, tap , speak a keyword, and then select one of the suggested keywords that appear.

If no results are returned from the applications, the web browser appears, displaying the search results.

Search scope

To select what applications to search, tap  → **Settings** → **Tablet search**, and then tick the items to search for.

Google Now

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

Join Google Now when opening Google search for the first time. To change Google Now settings, tap  → **Settings** → **Google Now**.



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

Voice Search

Use this application to search webpages by speaking.

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



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

Speak a keyword or phrase when **Speak now** appears on the screen. Select one of the suggested keywords that appear.

My Files

Use this application to access all kinds of files stored in the device, including images, videos, songs, and sound clips.

Tap **My Files** on the Applications screen.

Select a folder to open it. To go back to the parent folder, tap . To return to the root directory, tap .

In a folder, use one of the following functions:

-  : Search for files.
-  : Change the view mode.
-  : Create a folder.
- **Time**: Sort files or folders.

Select a file or folder by ticking, and then use one of the following functions:

-  : Copy files or folders to another folder.
-  : Move files or folders to another folder.
-  : Delete files or folders.
-  : Send files to others.
-  → **Rename**: Rename a file or folder.
-  → **Details**: View file or folder details.

Downloads

Use this application to see what files are downloaded through the applications.

Tap **Downloads** on the Applications screen.



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

To see the files downloaded from the Internet, tap **Internet downloads**, otherwise, tap **Other downloads** to see the files downloaded from other applications, such as **Email**.

Select a file to open it with an appropriate application.

TripAdvisor

Use this application to get travel information such as destination, flight, or hotel. You can also book for a room or flight and share your reviews with others.

Tap **TripAdvisor** on the Applications screen.

Travel & local

Maps

Use this application to pinpoint the location of the device, search for places, or get directions. Tap **Maps** on the Applications screen.



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

Searching for locations

Tap **Search Maps**, enter an address, and then tap . Select a location to view the detailed location information. To search for nearby locations, tap .

Once the location is found, tap  and use one of the following functions:

- **Clear Map:** Clear the map.
- **Make available offline:** Save the map of a specified area to view it offline.
- **Latitude:** Share location information with friends.
- **My Places:** View search history.
- **Settings:** Change the map settings.
- **Help:** View information about using the map.

To view current location, tap .

To zoom in or out the map, spread two fingers apart on the screen to zoom in, and pinch to zoom out.

Getting directions for a destination

- 1 Tap .
- 2 Tap , and then select a method to enter starting and ending locations:
 - **My current location:** Use current location for starting location.
 - **Contacts:** Select from the contacts list.
 - **Point on map:** Pinpoint by tapping on the map.
 - **My Places:** Select from the list of favourite places.
- 3 Select a travel method, such as driving, public transit, or walking, and then tap **Go**.
- 4 Select one of the routes that appear.

Local

Use this application to search for nearby restaurants, banks, bus stops, and more.

Tap **Local** on the Applications screen.



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

Select a place category, and then select a place from the list of search results.

- **Map:** Pinpoint the place on the map.
- **Directions:** Search for a route to the place.
- **Call:** Call the place's phone number.

To add a place category, tap  → **Add a search** on the category list, enter a keyword to search into the text field.

Navigation

Use this application to search for a route to a destination.

Tap **Navigation** on the Applications screen.



- Navigation maps, your current location, and other navigational data may differ from actual location information. You should always pay attention to road conditions, traffic, and any other factors that may affect your driving. Follow all safety warnings and regulations while driving.
- This application may not be available depending on the region or service provider.

Specify the destination by using one of the following methods:

- Speak the destination address.
- Enter the destination address.
- Select the destination address from the contacts list.
- Select the destination from the list of starred places.

Once a route is found, follow on-screen instructions to navigate to the destination.

Settings

About Settings

Use this application to configure the device, set application options, and add accounts. Tap **Settings** on the Applications screen.

Wi-Fi

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

To use options, tap .

- **Advanced:** Customize Wi-Fi settings.
- **WPS push button:** Connect to a secured Wi-Fi network with a WPS button.
- **WPS PIN entry:** Connect to a secured Wi-Fi network with a WPS PIN.

Setting Wi-Fi sleep policy

On the Settings screen, tap **Wi-Fi** →  → **Advanced** → **Keep Wi-Fi on during sleep**.



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

Setting Network notification

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

On the Settings screen, tap **Wi-Fi** →  → **Advanced** and tick **Network notification** to activate this feature.

Bluetooth

Activate the Bluetooth feature to exchange information over short distances.

Data usage

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

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

To use more options, tap .

- **Data roaming:** Set the device to use data connections when you are roaming.
- **Restrict background data:** Set the device to disable sync in the background while using a mobile network.
- **Auto sync data:** Set the device to sync contact, calendar, email, bookmark, and social network image data automatically.
- **Show Wi-Fi usage:** Set the device to show your data usage via Wi-Fi.
- **Mobile hotspots:** Search for and use another device's mobile network.

More settings

Customize settings to control connections with other devices or networks.

Flight mode

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

Mobile networks

- **Mobile data:** Use to allow packet switching data networks for network services.
- **Data roaming:** Use the device to connect to another network when you are roaming or your home network is not available.
- **Access Point Names:** Set up access point names (APNs).
- **Network mode:** Select a network type.
- **Network operators:** Search for available networks and select a network for roaming.

Tethering and portable hotspot

- **Portable Wi-Fi hotspot:** Use the portable Wi-Fi hotspot to share the device's mobile network connection with computers or other devices through the Wi-Fi network.
- **USB tethering:** Use USB tethering to share the device's mobile network connection with a computer via USB. When connected to a computer, the device is used as a wireless modem for the computer.
- **Bluetooth tethering:** Use the Bluetooth tethering to share the device's mobile network connection with other devices via Bluetooth.
- **Help:** Learn more about USB, Wi-Fi, and Bluetooth tethering.

VPN

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

Nearby devices

- **File sharing:** Activate media sharing to allow other DLNA-enabled devices to access media files on your device.
- **Shared contents:** Set the device to share your content with other devices.
- **Device name:** Enter a media server name for your device.
- **Allowed devices list:** View the list of devices that can access your device.
- **Not-allowed devices list:** View the list of devices that are blocked from accessing your device.
- **Download to:** Select a memory location for saving media files.
- **Upload from other devices:** Set the device to accept uploads from other devices.

Kies via Wi-Fi

Connect the device to Samsung Kies via a Wi-Fi network.

Blocking mode

Select which notifications will be blocked or set to allow notifications for calls from specified contacts in blocking mode.

Sound

Change settings for various sounds on the device.

- **Volume:** Adjust the volume level for music and videos, system sounds, and notifications.
- **Ringtone:** Select a ringtone to alert you to incoming calls and notifications.
- **Vibration:** Add or select a vibration pattern.
- **Notifications:** Select a ringtone for events, such as incoming messages and alarms.
- **Vibrate when ringing:** Set the device to vibrate and play a ringtone for incoming calls.
- **Dialling keypad tone:** Set the device to sound when tapping the buttons on the keypad.
- **Touch sounds:** Set the device to sound when selecting an application or option on the touch screen.
- **Screen lock sound:** Set the device to sound when locking or unlocking the touch screen.
- **My sound:** Personalize the sound for ear you use most during calls or while listening to music.

Display

Change the settings for the display.

- **Wallpaper:**
 - **Home screen:** Select a background image for the Home screen.
 - **Lock screen:** Select a background image for the locked screen.
 - **Home and lock screens:** Select a background image for the Home screen and the locked screen.
- **Notification panel:** Customize the items that appear on the quick setting panel.

- **Screen mode:**
 - **Dynamic:** Use this mode to make the display tone more vivid.
 - **Standard:** Use this mode for normal surroundings.
 - **Movie:** Use this mode for dim surroundings, such as in a dark room.
- **Brightness:** Set the brightness of the display.
- **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 docking or charging.
- **Smart rotation:** Set the interface not to rotate according to the orientation of your face.
- **Font style:** Change the font type for display text.
- **Font size:** Change the font size.
- **Touch key light duration:** Set the duration for the touch button backlight.
- **Display battery percentage:** Set the device to display the remaining battery life.
- **Edit after screen capture:** Set the device to edit the screenshot after capturing it.

Storage

View memory information for your device and memory card, or format a memory card.



Formatting a memory card permanently deletes all data from it.



The actual available capacity of the internal memory is less than the specified capacity because the operating system and default applications occupy part of the memory.

Power saving mode

Activate power-saving mode and change the settings for power-saving mode.

- **CPU power saving:** Set the device to limit some system resource usage.
- **Screen power saving:** Set the device to decrease the brightness of the display.
- **Learn about Power saving mode:** Discover how to reduce battery consumption.

Battery

View the amount of battery power consumed by your device.

Application manager

View and manage the applications on your device.

Location services

Change settings for location information permissions.

- **Access to my location:** Set this to allow applications to use location information.
- **Use GPS satellites:** Set the device to use the GPS satellite for finding the current location.
- **Wi-Fi & mobile network location:** Set the device to allow location data collection and to determine the location of your lost or stolen device via Wi-Fi or mobile network.

Lock screen

Change settings for the locked screen.

- **Screen lock:** Activate the screen lock feature.
- **Lock screen widget options:** Change the settings for the locked screen. These settings are applied only when you set the swipe lock option.
 - **Clock:** Set the device to show the clock on the locked screen.
 - **Dual clock:** Set the device to show the dual clock on the locked screen.
- **Ripple effect:** Set the device to show the ripple effect on the locked screen.
- **Help text:** Set the device to show the help text on the locked screen.
- **Wake up in lock screen:** Set the device to recognize your wake up command when the screen is locked.
- **Set wake-up command:** Set a wake up command to launch **S Voice** or perform a specified function.
- **Owner information:** Enter your information that is shown on the locked screen.

Security

Change settings for securing the device.

- **Encrypt device:** Set a password to encrypt data saved on the device. You must enter the password each time you turn on the device.



Charge the battery before enabling this setting because it may take more than an hour to encrypt your data.

- **Encrypt external SD card:**
 - **Encrypt:** Set the device to encrypt files when you save them to a memory card.
 - **Full encryption:** Set the device to encrypt all files on a memory card.
 - **Exclude multimedia files:** Set the device to encrypt all files on a memory card, except for media files.



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

- **Remote controls:** Set the device to allow control of your lost or stolen device remotely via the Internet. To use this feature, you must sign in to your Samsung and Google accounts.
 - **Add account:** Add or view your Samsung account.
 - **Wi-Fi & mobile network location:** Set the device to allow location data collection and to determine the location of your lost or stolen device via Wi-Fi and mobile networks.
- **SIM Change Alert:** Activate or deactivate the Find my mobile feature which helps locate the device when lost or stolen.
- **Find my mobile web page:** Access the SamsungDive website (www.samsungdive.com). You can track and control your lost or stolen device on the SamsungDive website.
- **Set up SIM card lock:**
 - **Lock SIM card:** Activate or deactivate the PIN lock feature to require the PIN before using the device.
 - **Change SIM PIN:** Change the PIN used to access SIM or USIM data.
- **Make passwords visible:** By default, the device hides passwords for security. Set the device to display passwords as they are entered.
- **Device administrators:** View device administrators installed on the device. You can allow device administrators to apply new policies to the device.
- **Unknown sources:** Choose to install applications from any source. If not chosen, download applications only from **Play Store**.
- **Verify apps:** Set this to allow Google to check the application for harmful behaviour before installing it.
- **Trusted credentials:** Use certificates and credentials to ensure secure use of various applications.
- **Install from device storage:** Install encrypted certificates stored on the USB storage.
- **Clear credentials:** Erase the credential contents from the device and reset the password.

Language and input

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

Language

Select a display language for all menus and applications.

Default

Select a default keyboard type for text input.

Google voice typing

To change the voice input settings, tap .

- **Choose input languages:** Select input languages for text input.
- **Block offensive words:** Set the device to prevent the device from recognising offensive words in voice inputs.

Samsung keyboard

To change the Samsung keyboard settings, tap .



The available options may vary depending on the region or service provider.

- **Input languages:** Select languages for text input.
- **Predictive text:** Activate predictive text mode to predict words based on your input and show word suggestions. You can also customize the word prediction settings.
- **Continuous input:** Set the device to enter text by sweeping on the keyboard.
- **Handwriting:** Customize settings for handwriting mode, such as recognition time, pen thickness, or pen colour.

- **Advanced:**
 - **Auto capitalization:** Set the device to automatically capitalize the first character after a final punctuation mark, such as a full stop, question mark, or exclamation mark.
 - **Auto spacing:** Set the device to automatically insert a space between words.
 - **Auto-punctuate:** Set the device to insert a full stop when you double-tap the space bar.
 - **Character preview:** Set the device to display a large image of each character tapped.
 - **Key-tap sound:** Set the device to sound when a key is touched.
- **Tutorial:** Learn how to enter text with the Samsung keyboard.
- **Reset settings:** Reset Samsung keyboard settings.

Voice search

- **Language:** Select a language for the voice recognition.
- **Speech output:** Set the device to provide voice feedback to alert you to the current action.
- **Block offensive words:** Hide offensive words from voice search results.

Text-to-speech output

- **Preferred TTS engine:** Select a speech synthesis engine. To change the settings for speech synthesis engines, tap .
- **Speech rate:** Select a speed for the text-to-speech feature.
- **Listen to an example:** Listen to the spoken text for an example.

Driving mode

Activate driving mode to set the device to read contents aloud and specify applications to use in driving mode.

Pointer speed

Adjust the pointer speed for the mouse or trackpad connected to your device.

Backup and reset

Change the settings for managing settings and data.

- **Back up my data:** Set the device to back up settings and application data to the Google server.
- **Backup account:** Set up or edit your Google backup account.
- **Automatic restore:** Set the device to restore settings and application data when the applications are reinstalled on the device.
- **Factory data reset:** Reset settings to the factory default values and delete all data.

Add account

Add email or SNS accounts.

Voice control

Change settings to control options by voice commands.

Accessory

Change the accessory settings.

- **Dock sound:** Set the device to play a sound when your device is connected to or removed from a desktop dock.
- **Audio output mode:** Set the device to use the dock speaker when your device is connected to a desktop dock.
- **Audio output:** Select a sound output format to use when connecting your device to HDMI devices. Some devices may not support the surround sound setting.

Date and time

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



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

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

Accessibility

Accessibility services are special features for those with certain physical disabilities. Access and alert the following settings to improve accessibility to the device.

- **Auto-rotate screen:** Set the interface to rotate automatically when you rotate the device.
- **Screen timeout:** Set the length of time the device waits before turning off the display's backlight.
- **Speak passwords:** Set the device to read aloud passwords you enter with Talkback.
- **Answering/ending calls:**
 - **The home key answers calls:** Set the device to answer an incoming call when pressing the Home button.
 - **Answer calls with the accept call button:** Set the device to answer an incoming call when tapping the call accept button twice.
 - **The power key ends calls:** Set the device to end a call when pressing the Power button.
- **Add shortcut:** Add a shortcut to **Accessibility** on the quick menu that appears when you press and hold the Power button.
- **TalkBack:** Activate Talkback, which provides voice feedback.
- **Font size:** Change the font size.
- **Magnification gestures:** Set this to zoom in and out with finger gestures.
- **Negative colours:** Reverse the display colours to improve visibility.
- **Accessibility shortcut:** Set the device to activate Talkback when you press and hold the Power button, and then tap and hold the screen with two fingers.

- **Text-to-speech output:**
 - **Preferred TTS engine:** Select a speech synthesis engine. To change the settings for speech synthesis engines, tap .
 - **Speech rate:** Select a speed for the text-to-speech feature.
 - **Listen to an example:** Listen to the spoken text for an example.
- **Enhance web accessibility:** Set applications to install web scripts to make their web content more accessible.
- **Sound balance:** Adjust the sound balance when using a dual headset.
- **Mono audio:** Enable mono sound when listening to audio with one earbud.
- **Turn off all sounds:** Mute all device sounds.
- **Tap & hold delay:** Set the recognition time for tapping and holding the screen.

Developer options

Change the settings for application development.

- **Take bug report:** Collect information on the device and send it via email.
- **Desktop backup password:** Set a password to secure your backup data.
- **Stay awake:** Set the screen to remain on while you are charging the battery.
- **Protect SD card:** Set the device to request a confirmation when reading data from a memory card.
- **USB debugging:** Activate USB debugging mode to connect your device to a computer with a USB cable.
- **Power menu bug reports:** Set the device to display the bug reporting option on the device's power menu.

- **Allow mock locations:** Allow mock locations and service information to be sent to a Location Manager service for testing.
- **Select debug app:** Select applications to debug and prevent errors when you pause debugging.
- **Wait for debugger:** Set the device to prevent the selected application from loading until the debugger is ready.
- **Verify apps over USB:** Set the device to check the application for harmful behaviour before installing it.
- **Show touches:** Set the device to show the pointer when you touch the screen.
- **Show pointer location:** Set the device to show the coordinates and traces of the pointer when you touch the screen.
- **Show layout boundaries:** Set the device to show boundaries.
- **Show GPU view updates:** Set the device to flash areas of the screen when they are updated with the GPU.
- **Show hardware layers updates:** Set the device to flash areas of the screen when hardware layers updates.
- **Show GPU overdraw:** Set the device to paint areas of the screen in different colours to indicate where overdraw occurs.
- **Show screen updates:** Set the device to flash areas of the screen when they are updated.
- **Window animation scale:** Select a speed for opening and closing pop-up windows.
- **Transition animation scale:** Select a speed for switching between screens.
- **Animator duration scale:** Select how long pop-up windows will be shown.
- **Disable hardware overlays:** Set the device to hide hardware overlays.

- **Force GPU rendering:** Set the device to use 2D hardware acceleration to improve graphic performance.
- **Enable 4x MSAA:** Set the device to enable 4x multisample anti-aliasing (MSAA) in OpenGL applications to improve image quality.
- **Simulate secondary displays:** Set the device to show one or more overlay windows.
- **Strict mode:** Set the device to flash the screen when applications perform long operations.
- **Show CPU usage:** Set the device to list all active processes.
- **Profile GPU rendering:** Set the device to check the time of GPU rendering time.
- **Enable OpenGL traces:** Set the device to capture traces of OpenGL application activity.
- **Enable traces:** Set the device to capture traces of application and system performance.
- **Do not keep activities:** Set the device to end a running application when you launch a new application.
- **Limit background processes:** Set the device to limit the number of processes that can run in the background.
- **Show all ANRs:** Set the device to alert you to unresponsive applications that are running in the background.

About device

Access device information and update device software.

Troubleshooting

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

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

Your device displays network or service error messages

- When you are in areas with weak signals or poor reception, you may lose reception. Move to another area and try again.
- You cannot access some options without a subscription. Contact your service provider for more details.

The touch screen responds slowly or improperly

If your device has a touch screen and the touch screen is not responding properly, try the following:

- Remove any protective covers from the touch screen. Protective covers may prevent the device from recognising your inputs and are not recommended for touch screen devices.
- Ensure that your hands are clean and dry when tapping the touch screen.
- Restart your device to clear any temporary software bugs.
- Ensure that your device software is upgraded to the latest version.
- If the touch screen is scratched or damaged, take it to your local Samsung Service Centre.

Your device freezes or has fatal errors

If your device freezes or hangs, you may need to close programs or reset the device to regain functionality. If your device is frozen and unresponsive, press and hold the Power button for 8-10 seconds. The device reboots automatically.

If this does not solve the problem, perform a factory data reset. On the Applications screen, tap **Settings** → **Backup and reset** → **Factory data reset** → **Reset device** → **Erase everything**.

Calls are being dropped

When you are in areas with weak signals or poor reception, you may lose your connection to the network. Move to another area and try again.

Outgoing calls are not connected

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

Incoming calls are not connected

- Ensure that your device is turned on.
- Ensure that you have accessed the right cellular network.
- Ensure that you have not set call barring for the incoming phone number.

Others cannot hear you speaking on a call

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

Audio quality is poor

- Ensure that you are not blocking the device's internal antenna.
- When you are in areas with weak signals or poor reception, you may lose reception. Move to another area and try again.

When dialling from contacts, the call is not connected

- Ensure that the correct number is stored in the contact list.
- Re-enter and save the number, if necessary.
- Ensure that you have not set call barring for the contact's phone number.

The device beeps and the battery icon is empty

Your battery is low. Recharge or replace the battery to continue using the device.

The battery does not charge properly or the device turns off

- The battery terminals may be dirty. Wipe both gold-coloured contacts with a clean, soft cloth and try charging the battery again.
- If the battery no longer charges completely, dispose of the old battery properly and replace it with a new battery (refer to your local ordinances for proper disposal instructions).

Your device is hot to the touch

When you use applications that require more power or use applications 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 Samsung device must have sufficient available memory and battery power to operate the camera application. If you receive error messages when launching the camera, try the following:

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

Error messages appear when opening music files

Some music files may not play on your Samsung device for a variety of reasons. If you receive error messages when opening music files 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 your device supports the file type.

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, if necessary.
- 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 drivers installed and updated on your computer.
- If you are a Windows XP user, ensure that you have Windows XP Service Pack 3 or higher installed on your computer.
- Ensure that you have Samsung Kies 2.0 or Windows Media Player 10 or higher installed on your computer.

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.

Health and Safety

This safety information contains content for mobile devices. Some content may be not applicable to your device. To prevent injury to yourself and others or damage to your device, read the safety information about your device before using the device.



Warning: Failure to comply with safety warnings and regulations can cause serious injury or death.

Do not use damaged power cords or plugs, or loose electrical sockets

- Unsecured connections can cause electric shock or fire.

Do not touch the power cord with wet hands or disconnect the charger by pulling the cord

- Doing so may result in electrocution.

Do not bend or damage the power cord

- Doing so may cause electric shock or fire.

Do not use your device while it is charging or touch your device with wet hands

- Doing so may cause electric shock.

Do not short-circuit the charger or the device

- Doing so may cause electric shock or fire, or the battery may malfunction or explode.

Do not use your device outdoor during a thunderstorm

- Doing so may result in electric shock or device malfunction.

Use manufacturer-approved batteries, chargers, accessories, and supplies

- Using generic batteries or chargers may shorten the life of your device or cause the device to malfunction. They may also cause a fire or cause the battery to explode.
- Use only Samsung-approved battery and charger specifically designed for your device. Incompatible battery and charger can cause serious injuries or damage to your device.
- Samsung cannot be responsible for the user's safety when using accessories or supplies that are not approved by Samsung.
- Do not drop or cause an impact to the charger or the device

Handle and dispose of the device and charger with care

- Never dispose of the battery or device in a fire. Never place the battery or device on or in heating devices, such as microwave ovens, stoves, or radiators. The device may explode when overheated. Follow all local regulations when disposing of used battery or device.
- Never crush or puncture the device.

- Avoid exposing the device to high external pressure, which can lead to an internal short circuit and overheating.

Protect the device, battery and charger from damage

- Avoid exposing your device and battery to very cold or very hot temperatures.
- Extreme temperatures can damage the device and reduce the charging capacity and life of your device and battery.
- Prevent the battery from coming into contact with metal objects, as this can create a connection between the + and – terminals of your battery and lead to temporary or permanent battery damage.
- Never use a damaged charger or battery.

Do not store your device near or in heaters, microwaves, hot cooking equipment, or high pressure containers

- The battery may leak.
- Your device may overheat and cause a fire.

Do not use or store your device in areas with high concentrations of dust or airborne materials

- Dust or foreign materials can cause your device to malfunction and may result in fire or electric shock.

Do not bite or suck the device or the battery

- Doing so may damage the device or result in an explosion or fire.
- Children or animals can choke on small parts.
- If children use the device, make sure that they use the device properly.

Do not insert the device or supplied accessories into the eyes, ears, or mouth

- Doing so may cause suffocation or serious injuries.

Do not handle a damaged or leaking Lithium Ion (Li-Ion) battery

- For safe disposal of your Li-Ion battery, contact your nearest authorized service centre.



Caution: Failure to comply with safety cautions and regulations can cause injury or property damage

Do not use your device near other electronic devices

- Most electronic devices use radio frequency signals. Your device may interfere with other electronic devices.
- Using an LTE data connection may cause interference with other devices, such as audio equipment and telephones.

Do not use your device in a hospital, on an aircraft, or in an automotive equipment that can be interfered with by radio frequency

- Avoid using your device within a 15 cm range of a pacemaker, if possible, as your device can interfere with the pacemaker.
- To minimize possible interference with a pacemaker, use your device only on the side of your body that is opposite the pacemaker.
- If you use medical equipment, contact the equipment manufacturer before using your device to determine whether or not the equipment will be affected by radio frequencies emitted by the device.
- On an aircraft, using electronic devices can interfere with the aircraft's electronic navigational instruments. Make sure the device is turned off during takeoff and landing. After takeoff, you can use the device in flight mode if allowed by aircraft personnel.
- Electronic devices in your car may malfunction, due to radio interference from your device. Contact the manufacturer for more information.

Do not expose the device to heavy smoke or fumes

- Doing so may damage the outside of the device or cause it to malfunction.

If you use a hearing aid, contact the manufacturer for information about radio interference

- The radio frequency emitted by your device may interfere with some hearing aids. Before using your device, contact the manufacturer to determine whether or not your hearing aid will be affected by radio frequencies emitted by the device.

Do not use your device near devices or apparatuses that emit radio frequencies, such as sound systems or radio towers

- Radio frequencies may cause your device to malfunction.
- Turn off the device in potentially explosive environments
- Turn off your device in potentially explosive environments instead of removing the battery.
- Always comply with regulations, instructions and signs in potentially explosive environments.

- Do not use your device at refuelling points (petrol stations), near fuels or chemicals, or in blasting areas.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the device, its parts, or accessories.

If you notice strange smells or sounds coming from your device or the battery, or if you see smoke or liquids leaking from the device or battery, stop using the device immediately and take it to a Samsung Service Centre

- Failure to do so may result in fire or explosion.

Comply with all safety warnings and regulations regarding mobile device usage while operating a vehicle

- While driving, safely operating the vehicle is your first responsibility. Never use your mobile device while driving, if it is prohibited by law. For your safety and the safety of others, use your common sense and remember the following tips:
- Get to know your device and its convenience features, such as speed dial and redial. These features help you reduce the time needed to place or receive calls on your mobile device.
- Position your device within easy reach. Make sure you can access your wireless device without taking your eyes off the road. If you receive an incoming call at an inconvenient time, let your voicemail answer it for you.
- Suspend calls in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice, and heavy traffic can be hazardous.
- Do not take notes or look up phone numbers. Jotting down a “to do” list or flipping through your address book takes attention away from your primary responsibility of driving safely.
- Dial sensibly and assess the traffic. Place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary.
- Do not engage in stressful or emotional conversations that may be distracting. Make the person you are talking to aware that you are driving and suspend conversations that could potentially divert your attention from the road.

Care for and use your mobile device properly

Keep your device dry

- Humidity and liquids may damage the parts or electronic circuits in your device.
- Do not turn on your device if it is wet. If your device is already on, turn it off and remove the battery immediately (if the device will not turn off or you cannot remove the battery, leave it as-is). Then, dry the device with a towel and take it to a service centre.
- Liquids will change the colour of the label that indicates water damage inside the device. Water damage to your device can void your manufacturer's warranty.

Store your device only on flat surfaces

- If your device falls, it may be damaged.

Do not store your device in very hot or very cold areas. It is recommended to use your device at temperatures from 5 °C to 35 °C

- Do not store your device in very hot areas such as inside a car in the summertime. Doing so may cause the screen to malfunction, result in damage to the device, or cause the battery to explode.
- Do not expose your device to direct sunlight for extended periods of time (on the dashboard of a car, for example).
- Store the battery at temperatures from 0 °C to 45 °C.

Do not store your device with metal objects, such as coins, keys, and necklaces

- Your device may be scratched or may malfunction.
- If the battery terminals come into contact with metal objects, this may cause a fire.

Do not store your device near magnetic fields

- Your device may malfunction or the battery may discharge from exposure to magnetic fields.
- Magnetic stripe cards, including credit cards, phone cards, passbooks, and boarding passes, may be damaged by magnetic fields.

Do not use your device or applications for a while if the device is overheated

- Prolonged exposure of your skin to an overheated device may cause low temperature burn symptoms, such as red spots and pigmentation.

Do not use your device with the back cover removed

- The battery may fall out of the device, which may result in damage or malfunction.

If your device has a camera flash or light, do not use it close to the eyes of people or pets

- Using a flash close to the eyes may cause temporary loss of vision or damage to the eyes.

Use caution when exposed to flashing lights

- While using your device, leave some lights on in the room and do not hold the screen too close to your eyes.
- Seizures or blackouts can occur when you are exposed to flashing lights while watching videos or playing Flash-based games for extended periods. If you feel any discomfort, stop using the device immediately.
- If anyone related to you has experienced seizures or blackouts while using a similar device, consult a physician before using the device.
- If you feel discomfort, such as a muscle spasm, or disoriented, stop using the device immediately and consult a physician.
- To prevent eye strain, take frequent breaks while using the device.

Reduce the risk of repetitive motion injuries

When you repetitively perform actions, such as pressing keys, drawing characters on a touch screen with your fingers, or playing games, you may experience occasional discomfort in your hands, neck, shoulders, or other parts of your body. When using your device for extended periods, hold the device with a relaxed grip, press the keys lightly, and take frequent breaks. If you continue to have discomfort during or after such use, stop using the device and consult a physician.

Protect your hearing and ears when using a headset

- Excessive exposure to loud sounds can cause hearing damage.
- Exposure to loud sounds while walking may distract your attention and cause an accident.
- Always turn the volume down before plugging the earphones into an audio source and use only the minimum volume setting necessary to hear your conversation or music.
- In dry environments, static electricity can build up in the headset. Avoid using headsets in dry environments or touch a metal object to discharge static electricity before connecting a headset to the device.
- Do not use a headset while driving or riding. Doing so may distract your attention and cause an accident, or may be illegal depending on your region.

Use caution when using the device while walking or moving

- Always be aware of your surroundings to avoid injury to yourself or others.
- Make sure the headset cable does not become entangled in your arms or on nearby objects.

Do not carry your device in your back pockets or around your waist

- You could be injured or damage the device if you fall.

Do not paint or put stickers on your device

- Paint and stickers can clog moving parts and prevent proper operation.
- If you are allergic to paint or metal parts of the device, you may experience itching, eczema, or swelling of the skin. When this happens, stop using the device and consult your physician.

Do not use the device if the screen is cracked or broken

- Broken glass or acrylic could cause injury to your hands and face. Take the device to a Samsung Service Centre to have it repaired.

Install mobile devices and equipment with caution

- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.
- Avoid placing your device and accessories near or in an airbag deployment area. Improperly installed wireless equipment can cause serious injury when airbags inflate rapidly.

Do not drop your device or cause impacts to your device

- Your device may be damaged or may malfunction.
- If bent or deformed, your device may be damaged or parts may malfunction.

Ensure maximum battery and charger life

- Avoid charging your device for more than a week, as overcharging may shorten battery life.
- Over time, unused device will discharge and must be recharged before use.
- Disconnect the charger from power sources when not in use.
- Use the battery only for their intended purposes.
- Leaving batteries unused over time may reduce their lifespan and performance. It may also cause the batteries to malfunction or explode, or cause a fire.
- Follow all instructions in this manual to ensure the longest lifespan of your device and battery. Damages or poor performance caused by failure to follow warnings and instructions can void your manufacturer's warranty.
- Your device may wear out over time. Some parts and repairs are covered by the warranty within the validity period, but damages or deterioration caused by using unapproved accessories are not.

When using the device, mind the following

- Hold the device upright, as you would with a traditional phone.
- Speak directly into the microphone.

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

Do not disassemble, modify, or repair your device

- Any changes or modifications to your device can void your manufacturer's warranty. If your device needs servicing, take your device to a Samsung Service Centre.
- Do not disassemble or puncture the battery, as this can cause explosion or fire.
- Turn off the device before removing the battery. If you remove the battery with the device turned on, it may cause the device to malfunction.

When cleaning your device, mind the following

- Wipe your device or charger with a towel or an eraser.
- Clean the battery terminals with a cotton ball or a towel.
- Do not use chemicals or detergents. Doing so may discolour or corrode the outside the device or may result in electric shock or fire.

Do not use the device for anything other than its intended use

- Your device may malfunction.

Avoid disturbing others when using the device in public

Allow only qualified personnel to service your device

- Allowing unqualified personnel to service your device may result in damage to your device and will void your manufacturer's warranty.

Handle SIM cards, memory cards, or cables with care

- When inserting a card or connecting a cable to your device, make sure that the card is inserted or the cable is connected to the proper side.
- Do not remove a card while the device is transferring or accessing information, as this could result in loss of data and/or damage to the card or device.
- Protect cards from strong shocks, static electricity, and electrical noise from other devices.
- Do not touch gold-coloured contacts or terminals with your fingers or metal objects. If dirty, wipe the card with a soft cloth.
- Inserting a card or connecting a cable by force or improperly may result in damage to the multipurpose jack or other parts of the device.
- **Ensure access to emergency services**
- Emergency calls from your device may not be possible in some areas or circumstances. Before travelling in remote or undeveloped areas, plan an alternative method of contacting emergency services personnel.

Protect your personal data and prevent leakage or misuse of sensitive information

- While using your device, be sure to back up important data. Samsung is not responsible for the loss of any data.
- When disposing of your device, back up all data and then reset your device to prevent misuse of your personal information.
- Carefully read the permissions screen when downloading applications. Be particularly cautious with applications that have access to many functions or to a significant amount of your personal information.
- Check your accounts regularly for unapproved or suspicious use. If you find any sign of misuse of your personal information, contact your service provider to delete or change your account information.
- In the event your device is lost or stolen, change the passwords on your accounts to protect your personal information.
- Avoid using applications from unknown sources and lock your device with a pattern, password, or PIN.

Do not distribute copyright-protected material

- Do not distribute copyright-protected material without the permission of the content owners. Doing this may violate copyright laws. The manufacturer is not liable for any legal issues caused by the user's illegal use of copyrighted material.

Malware and viruses

To protect your device from malware and viruses, follow these usage tips. Failure to do so may result in damages or loss of data that may not be covered by the warranty service

- Do not download unknown applications.
- Do not visit untrusted websites.
- Delete suspicious messages or email from unknown senders.
- Set a password and change it regularly.
- Deactivate wireless features, such as Bluetooth, when not in use.
- If the device behaves abnormally, run an antivirus program to check for infection.
- Run an antivirus program on your device before you launch newly-downloaded applications and files.
- Install antivirus programs on your computer and run them regularly to check for infection.
- Do not edit registry settings or modify the device's operating system.

Correct disposal of this product

This product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste.

To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

This device is compliant with RoHS.

Correct disposal of batteries in this product

The battery incorporated in this product is not user replaceable. For information on its replacement, please contact your service provider. Do not attempt to remove the battery or dispose it in a fire. Do not disassemble, crush, or puncture the battery. If you intend to discard the product, the waste collection site will take the appropriate measures for the recycling and treatment of the product, including the battery.

Disclaimer

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Acknowledging Special Precautions and Industry Canada Notice

Cautions

Any changes or modifications to your device not expressly approved in this document could void your warranty for this equipment, and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and void the phone warranty if they cause damage or a defect to the device.

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

Information to User

This equipment has been tested and found to comply with the limits of a Class B digital device. 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/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.



Warning: At very high volumes, prolonged listening to a headset can damage your hearing.

Specific Absorption Rates (SAR) for Wireless Devices

The SAR is a value that corresponds to the relative amount of RF energy absorbed by the user of a wireless device.

The SAR value of a device is the result of an extensive testing, measuring and calculation process. It does not represent how much RF the device emits. All devices are tested at their highest value in strict laboratory settings. But when in operation, the SAR of a device can be substantially less than the level reported to Industry Canada. This is because of a variety of factors including its proximity to a base station antenna, design and other factors. What is important to remember is that each device meets strict federal guidelines. Variations in SARs do not represent a variation in safety.

All devices must meet the federal standard, which incorporates a substantial margin of safety. As stated above, variations in SAR values between different model devices do not mean variations in safety. SAR values at or below the federal standard of 1.6 W/kg are considered safe for use by the public.

The highest reported SAR value for the SM-T210 is:

Body: ?? W/kg

This device has been tested and meets RF exposure guidelines when used with an accessory that contains no metal and that positions the mobile device a minimum of 0 cm from the body.

Owner's Record

The model number, regulatory number, and serial number are located on a nameplate inside the battery compartment. Record the serial number in the space provided below. This will be helpful if you need to contact us about your phone in the future.

Model: SM-T210

Serial No.:

Some content may differ from your device depending on the region, service provider, or software version, and is subject to change without prior notice.



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 from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the device if such interference cannot be eliminated. Vehicles using 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 Batterymarch Park, Quincy, MA 02269, Attn: Publication Sales Division.

Cautions

Changes or modifications made in the radio device, 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 device warranty if said accessories cause damage or a defect to the device. Although your device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending or sitting on it.

This device is capable of operating in 802.11a/n mode. For 802.11a/n devices operating in the frequency range of 5.15 - 5.25 GHz, they are restricted for indoor operations to reduce any potential harmful interference for Mobile Satellite Services (MSS) in the US. WIFI Access Points that are capable of allowing your device to operate in 802.11a/n mode (5.15 - 5.25 GHz band) are optimized for indoor use only. If your WIFI network is capable of operating in this mode, please restrict your WIFI use indoors to not violate federal regulations to protect Mobile Satellite Services.