

To install Samsung Kies (PC Sync) Kies

1. Download the latest version of Samsung Kies from the Samsung website (www.samsung.com/kies) and install it on your computer.
2. Connect your device to a computer with a USB cable.
Refer to the Samsung Kies help for more information.

SAMSUNG

GT-P3108

user manual



Using this manual

Thank you for choosing this Samsung mobile device. This device will provide you with high-quality mobile communication and entertainment based on Samsung's exceptional technology and high standards.

This manual has been specially designed to guide you through the functions and features of your device.

Read me first

- Before using your device, read the entire manual and all safety instructions to ensure safe and proper use.
- The descriptions in this manual are based on the default settings of your device.
- The images and screenshots used in this manual may differ from the actual product.
- The contents of this manual may differ from the product, or from software provided by service providers or carriers, and are subject to change without prior notice. Access the Samsung website (www.samsung.com/cn) for the latest version of the manual.
- Available features and additional services may vary by device, software, or service provider.
- Formatting and delivery of this manual is based on Android operating systems and may vary depending on the user's operating system.

- Applications on this device may perform differently from comparable computer applications and may not include all functions available in the computer version.
- Applications and their functions may vary by region or hardware specifications. Samsung is not liable for performance issues caused by third-party applications.
- Samsung is not liable for performance issues or incompatibilities caused by edited registry settings or modified operating system software. Attempting to customise the operating system may cause your device or applications to work improperly.
- You can upgrade your device's software by accessing the Samsung website (www.samsung.com/cn).
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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 tariff plan. For details, contact your service provider.
- Please keep this manual for future reference.

Instructional icons

Before you start, familiarise yourself with the icons used in this manual:



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



Refer to—pages with related information; for example: ► p. 12 (represents “refer to page 12”)



Followed by—the order of options or menus you must select to perform a step; for example: In the application list, select **Settings** → **About device** (represents **Settings**, followed by **About device**)

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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 plays DivX video. Visit *www.divx.com* for more information and software tools to convert your files into DivX videos.

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

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.

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Assembling

Unpack

Check your product box for the following items:

- Mobile device
- Quick start guide



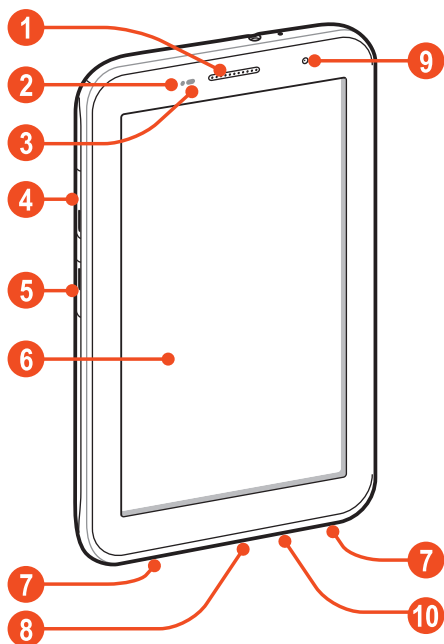
Use only Samsung-approved software. Pirated or illegal software may cause damage or malfunctions that are not covered by your manufacturer's warranty.



- The items supplied with your device and available accessories may vary depending on your region or service provider.
- You can buy additional accessories from your local Samsung retailer.
- The supplied items are designed only for your device and may not be compatible with other devices.
- Other accessories may not be compatible with your device.

Device layout

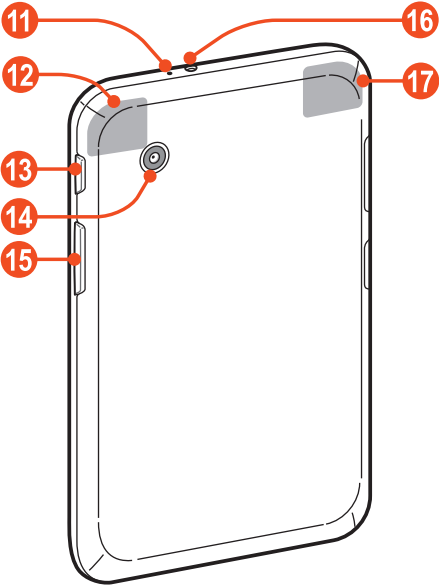
» Front view



Number	Function
1	Earpiece
2	Light sensor
3	Proximity sensor
4	SIM card slot
5	Memory card slot
6	Touch screen
7	Speaker

Number	Function
8	Multifunction jack
9	Front camera lens
10	Microphone

» Rear view





Number	Function
11	Microphone ¹
12	GPS antenna ²

1. Active only when you use the speakerphone feature or record videos.
2. Do not touch or cover the area around the antenna with your hands or other objects while using the GPS functions.

Number	Function
13	Power/Reset/Lock key
14	Rear camera lens
15	Volume key
16	Headset jack
17	Main antenna

Keys

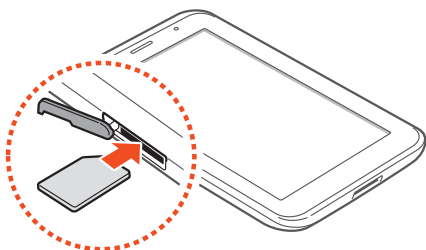
Key	Function
 Power/ Reset ¹ / Lock	Turn on the device (press and hold); Access the device options (press and hold); Reset the device (press and hold for 8-10 seconds); Turn off and lock the touch screen or turn it on.
 Volume	Adjust the device's volume.


1. If your device experiences fatal errors, hanging, or freezing, you may need to reset the device to regain functionality.

Insert the SIM or USIM card

When you subscribe to a cellular service, you will receive a Subscriber Identity Module (SIM) card, with subscription details, such as your personal identification number (PIN) and optional services. To use UMTS or HSDPA services, you can purchase a Universal Subscriber Identity Module (USIM) card.

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



-  Do not insert a memory card into the SIM card slot. If the memory card becomes lodged in the SIM card slot, you must take your device to a Samsung Service Centre to have the memory card removed.
- The SIM card slot of your device is only suited for standard SIM cards. Inserting a microSIM card or a microSIM card with an unauthorised holder may cause damage to the SIM card slot of your device.

- 3 Close the cover of the SIM card slot.

Charge the battery

Before using the device for the first time, you must charge the battery. Charge the battery only with a charger. You cannot charge the battery with a USB cable.

You cannot replace the battery in the device. If you have problems with the battery or need it replaced, take the device to a Samsung Service Centre.



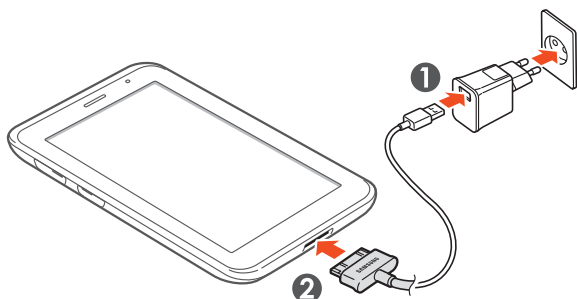
Use only Samsung-approved chargers and cables.


Unapproved chargers or cables may cause batteries to explode or damage your device.

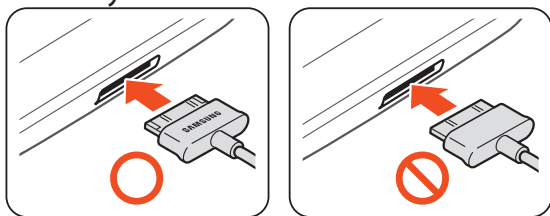


- When your battery is low, the device will emit a warning tone and show a low battery message. Recharge your battery to continue using your device.
- If the battery is completely discharged, you cannot turn on the device, even while it is charging. Allow a depleted battery to charge for a few minutes before you try to turn on the device.
- The shape of the USB power adapter may differ depending on your region.

- 1 Connect the USB cable to the USB power adapter and then plug the end of the USB cable into the multifunction jack.



-  Connecting the USB cable improperly may cause serious damage to the device or USB power adapter. Any damage caused by misuse is not covered by the warranty.



- 2 Plug the USB power adapter into a power outlet.



- If the device receives an unstable power supply while charging, the touch screen may not function. If this happens, unplug the USB cable from the device.
- The device may heat up while charging. This is normal and should not affect your device's lifespan or performance.
- If your device is not charging properly, take your device and the charger to a Samsung Service Centre.

- 3 When the battery is fully charged, first unplug the USB cable from the device, and then unplug the USB power adapter from the electrical socket.

Charging a completely discharged battery may take about X hours. Because the battery is a consumable part, the battery will gradually wear out and the charging time will be reduced. The initial charging capacity of your battery is about XXXX mAh.



To save energy, unplug the USB power adapter when not in use. The USB power adapter does not have a power switch, so you must unplug the USB power adapter from the electrical socket when not in use to avoid wasting power. The device should remain close to the electrical socket while charging.

» Reduce 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 your device, switch to Sleep mode by pressing the Power key.
- Close unnecessary applications with the task manager.
- Deactivate the Bluetooth feature.
- Deactivate the WLAN feature.
- Deactivate auto-syncing of applications.
- Decrease the backlight time.
- Decrease the brightness of the display.

Insert a memory card (optional)

Your device accepts microSD™ or microSDHC™ memory cards with maximum capacities of 32 GB (depending on the memory card manufacturer and type).

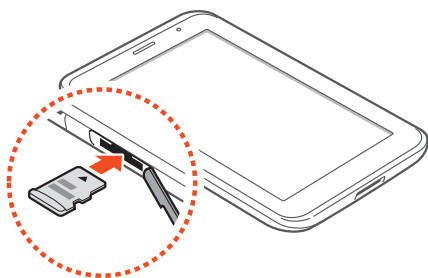


Samsung uses approved industry standards for memory cards, but some brands may not be fully compatible with your device. Using an incompatible memory card may damage your device or the memory card. It may also corrupt data saved on the memory card.



- Your device supports only the FAT file structure for memory cards. If you insert a memory card formatted with a different file structure, your device will ask you to reformat the memory card.
- Frequent writing and erasing of data will shorten the lifespan of your memory cards.
- When you insert a memory card into your device, the memory card's file directory will appear in the extSdCard folder.

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




- 3 Close the cover of the memory card slot.

» Remove a memory card

Ensure that the device is not currently accessing the memory card.


- 1 In the application list, select **Settings** → **Storage** → **Unmount SD card** → **OK**.
- 2 Open the cover of the memory card slot.
- 3 Push the memory card gently until it disengages from the device.
- 4 Remove the memory card.
- 5 Close the cover of the memory card slot.

 Do not remove a memory card while the device is transferring or accessing information, as this could result in loss of data or damage to the memory card or device.

» Format a memory card

Formatting your memory card on a computer may cause incompatibilities with your device. Format the memory card only on the device.

In the application list, select **Settings** → **Storage** → **Format SD card** → **Format SD card** → **Delete all**.

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

Getting started

Turn on or off your device

To turn on your device, press and hold the Power key.



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

To turn off your device, press and hold the Power key, and then select **Power off** → **OK**.



- Follow all posted warnings and directions from approved personnel in areas where the use of wireless devices is restricted, such as aeroplanes and hospitals.
- To use only your device's non-network features, switch to Flight mode. ► p. 101

Use the touch screen

Your device's touch screen lets you easily select items or perform functions. Learn basic actions for using the touch screen.



- To avoid scratching the touch screen, do not tap it with anything sharp.
- 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 come into contact with liquids. The touch screen may malfunction in humid conditions or when exposed to liquids.



- For optimal use of the touch screen, remove the screen protection film before using your device.
- Your touch screen has a layer that detects small electrical charges emitted by the human body. For best performance, tap the touch screen with your fingertip. The touch screen will not react to touches from sharp objects, such as a stylus or pen.

Control your touch screen with the following actions:

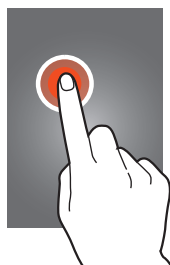
Tap

Touch once to select or launch a menu, option, or application.



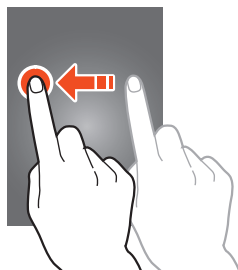
Tap and hold

Tap an item and hold it for more than 2 seconds.



Drag

Tap an item and move it to a new location.



Double-tap

Tap an item twice quickly.



Flick

Briskly scroll up, down, left, or right to move through lists or screens.



Pinch

Place two of your fingers far apart, and then pinch them together.



- Your device turns off the touch screen when you do not use it for a specified period. To turn on the screen, press the Power key.
- You can set the length of time that the device waits before turning off the screen. In the application list, select **Settings** → **Display** → **Screen timeout**.

Lock or unlock the touch screen and the keys

When you do not use the device for a specified period, your device turns off the touch screen and locks the touch screen and the keys automatically to prevent unintended operations. To lock the touch screen and the keys manually, press the Power key.

To unlock them, turn on the screen by pressing the Power key, tap anywhere on the screen, and then drag your finger outside of the large circle.



You can activate the screen lock feature to prevent others from using or accessing your personal data and information saved in your device. ► p. 32

Get to know the Home screen

From the Home screen, you can view your device's status and access applications.

The Home screen has multiple panels. Scroll left or right to view the panels on the Home screen. You can also select one of the dots at the top of the screen to move directly to the corresponding panel.

» System bar

From the system bar at the bottom of the screen, you can quickly navigate screen, view system information, and more.


















Number	Function
1	Return to the previous screen.
2	Return to the Home screen.
3	Open the list of recent applications.
4	Capture an image of the current screen and edit the image; Capture and add an image of the current screen to the clipboard (tap and hold).
5	Open the mini apps panel.
6	View the current time and your device's status; Open the notifications panel.

» Indicator icons




Icons shown on the display may vary depending on your region or service provider.

Icon	Definition
	No signal
	Signal strength
	Connected to GPRS network

Icon	Definition
	Connected to EDGE network
	Connected to HSDPA network
	WLAN AP connected
	Bluetooth feature activated
	GPS-based services in use
	Call in progress
	Missed call
	Connected to computer
	No SIM or USIM card
	New message
	Alarm activated
	Roaming (outside of service area)
	Flight mode activated
	Error occurred or caution required
	Battery power level

» Use the notifications panel

To open the notifications panel, tap the right bottom of the screen. To hide the panel, select .

From the notifications panel, you can view your device's current status and use the following options:



- **WLAN:** Activate or deactivate the WLAN feature. ► p. 83
- **GPS:** Activate or deactivate the GPS feature. ► p. 92
- **Silent mode:** Activate or deactivate Silent mode. You can mute your device or set it to vibrate in Silent mode.
- **Mobile data:** Activate or deactivate the data connection.
- **Sync:** Activate or deactivate auto-syncing of applications.
- **Screen rotation:** Allow or prevent the interface from rotating when you rotate the device.
- **Bluetooth:** Activate or deactivate the Bluetooth feature. ► p. 91
- **Notification:** Hide or show notification icons.
- **Airplane mode:** Activate or deactivate Flight mode.

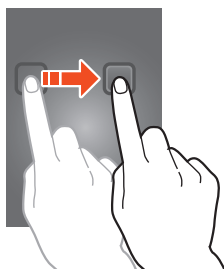


The options available may vary depending on your region or service provider.

» Move an item on the Home screen

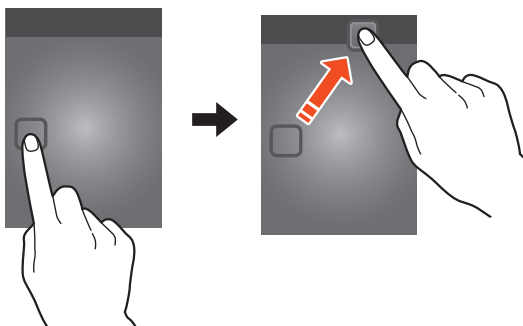
Tap and hold an item, and then drag it to a new location.

You can add an item to a new folder or move it to a new panel. Tap and hold the item, and then drag it to  or .






» Remove an item from the Home screen

Tap and hold an item, and then drag it to the rubbish bin.




» Add or remove a panel from the Home screen

You can add or remove Home screen panels to organise widgets.

- 1 On the Home screen, place two fingers on the screen and pinch them together to switch to Edit mode.
- 2 Add, remove, or reorganise panels:
 - To remove a panel, tap and hold the panel's thumbnail image, and then drag it to the rubbish bin.
 - To add a new panel, select .
 - To set the first panel of the Home screen, select .
 - To change the order of panels, tap and hold the panel's thumbnail image, and then drag it to a new location.
- 3 Select  to return to the previous screen.

» Use widgets




Widgets are small applications that provide convenient functions and information on your Home screen.

-  The widgets available may vary depending on your region or service provider.

- 1 In the application list, select **Widgets** to open the widget panel.
- 2 Scroll left or right on the widget panel to find a widget.
- 3 Tap and hold a widget to add it to the Home screen.

Access applications

Launch applications and take full advantage of features on your device. You can reorganise the application list to match your preferences, or download applications from the Internet to enhance your device's functionality.






- 1 On the Home screen, select  to access the application list.
- 2 Scroll left or right to another screen.
You can also select one of the dots at the bottom of the screen to move directly to the corresponding screen.
- 3 Select an application.
- 4 Select  to return to the previous screen. Select  to return to the Home screen.




- You can add an application shortcut to the Home screen by tapping and holding an icon in the application list.
- If you rotate the device while using some features, the interface will rotate as well. To prevent the interface from rotating, select **Settings** → **Display** → **Auto-rotate screen**.

» Organise applications



You can change the order of applications in the application list or group them into categories.

- 1 In the application list, select  → **Edit**.
- 2 Tap and hold an application icon.
- 3 Organise applications:
 - To move the application, drag it to a new location.
 - To add the application to a new folder, drag it to .
 - To move the application to a new panel, drag it to .
 - To delete the application, drag it to .
- 4 Select .


» Download an application

- 1 In the application list, select **Samsung Apps**.
 - 2 Search for an application and download it to the device.
-  To install applications that you downloaded from other sources, you must select **Settings** → **Security** → **Unknown sources**.


» Delete an application

- 1 In the application list, select  → **Uninstall**.
- 2 Select  on an application icon and then select **OK**.

» Access recently-used applications

- 1 Select  to view the applications you have accessed recently.
- 2 Select an application.

Launch multiple applications

Your device allows you to multitask by running multiple applications at the same time. To launch multiple applications, select  while using an application. Then select another application to launch from the Home screen.

» Manage applications

You can manage multiple applications with the task manager.

- 1 In the application list, select **Task manager** → **Active applications**.
The task manager launches and shows active applications.
- 2 Control active applications:
 - To switch applications, select one from the list.
 - To close an application, select **End**.
 - To close all active applications, select **End all**.


Customise your device

Get more from your device by changing settings to match your preferences.

» Turn on or off the touch tones


In the application list, select **Settings** → **Sound** → **Touch sounds**.

» Adjust the device's volume

- 1 Press the Volume key up or down.
- 2 Select  and drag the sliders to adjust the volume level for each sound.

» Switch to Silent mode

To mute or unmute your device, do one of the following:

- Tap the right bottom of the screen to open the notifications panel, and then select **Silent mode**.
- Press and hold the Power key, and then select **Silent mode**.
- In the application list, select **Phone** → **Keypad**, and then tap and hold .

» Change your call ringtone

- 1 In the application list, select **Settings** → **Sound** → **Phone ringtone**.
- 2 Select a ringtone → **OK**.

» Select a wallpaper for the Home screen

- 1 On the Home screen, tap and hold the empty area.
- 2 Select **Home screen** → an image folder → an image.

» Adjust the brightness of the display

Your device includes a light sensor, which can detect the level of ambient light and adjust the brightness of the display automatically. You can also manually set the brightness of the display.



The brightness of the display will affect how quickly the device consumes battery power.

Set your device to adjust the brightness automatically

- 1 In the application list, select **Settings** → **Display** → **Brightness**.

- 2 Select the tick box next to **Automatic brightness**.
- 3 Select **OK**.
The device will increase the brightness in bright surroundings and decrease the brightness in dim surroundings automatically.

Adjust the brightness manually

- 1 In the application list, select **Settings** → **Display** → **Brightness**.
- 2 Clear the tick box next to **Automatic brightness**.
- 3 Drag the slider to the left or right.
- 4 Select **OK**.

» Lock your device


You can lock your device with a pattern, a PIN, or a password. Once the screen lock is enabled, your device will require your password each time you turn it on or unlock the touch screen.



- If you forget your password, take your device to a Samsung Service Centre to reset it.
- Samsung is not responsible for the loss of passwords or private information, or other damages caused by illegal software.

Set an unlock pattern

- 1 In the application list, select **Settings** → **Security** → **Screen lock** → **Pattern**.
- 2 View the on-screen instructions and the example pattern, and then select **Next**.
- 3 Draw a pattern to connect at least 4 dots and select **Continue**.

- 4 Draw the pattern again to confirm and select **Confirm**.
 - 5 Complete the setup of the backup PIN code.
-  If you forget your unlock pattern, you can unlock your device with a backup PIN code.

Set an unlock PIN

- 1 In the application list, select **Settings** → **Security** → **Screen lock** → **PIN**.
- 2 Enter a new PIN and select **Continue**.
- 3 Enter the PIN again and select **OK**.

Set an unlock password

- 1 In the application list, select **Settings** → **Security** → **Screen lock** → **Password**.
- 2 Enter a new password (alphanumeric) and select **Continue**.
- 3 Enter the password again and select **OK**.

Set a face detection unlock

- 1 In the application list, select **Settings** → **Security** → **Screen lock** → **Face unlock**.
- 2 Select **Set it up** → **Continue**.
- 3 Rotate the device clockwise to the landscape view.
- 4 Adjust the device to fit your face inside the figure.
- 5 When your face is captured correctly, select **Continue**.
- 6 Complete the setup of the secondary unlock code.

» Lock your SIM or USIM card

You can lock your device with the PIN that is supplied with your SIM or USIM card. Once the SIM or USIM lock is enabled, you must enter the PIN each time you turn on the device or access applications that require the PIN.

1 In the application list, select **Settings** → **Security** → **Set up SIM card lock** → **Lock SIM card**.

2 Enter your PIN and select **OK**.



- If you enter an incorrect PIN too many times, your SIM or USIM card will be blocked. You must enter a PIN unlock key (PUK) to unblock the SIM or USIM card.
- If you block your SIM or USIM card by entering an incorrect PUK, take the SIM or USIM card to your service provider to unblock it.

Enter text

You can enter text by selecting characters on the virtual keypad or by writing on the screen.



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

» Enter text with the Samsung Chinese IME keypad

Enter text by selecting alphanumeric keys or writing on the screen.



You can also use the following keys:



Number	Function
1	Input selection panel: From the input selection panel, you can change the keypad type or switch text input modes. To add more keypad types or text input modes to the panel, select + .
2	Insert a space.
3	Clear your input.
4	Start a new line.
5	Access the keypad settings; Change the text input method (tap and hold).
6	Add an image from the clipboard.

» Copy and paste text

From a text field, you can copy and paste text to another application.

- 1 Tap and hold a passage of text.
- 2 Drag  or  to select the text to be copied.
- 3 Select **Copy** or **Cut** to add the text to the clipboard.
- 4 In another application, place the cursor at the point where the text will be inserted.
- 5 Select **Paste** to insert the text from the clipboard into the text field.

Web and GPS-based services



You may incur additional charges for accessing the Internet and downloading media files. For details, contact your service provider.

Internet

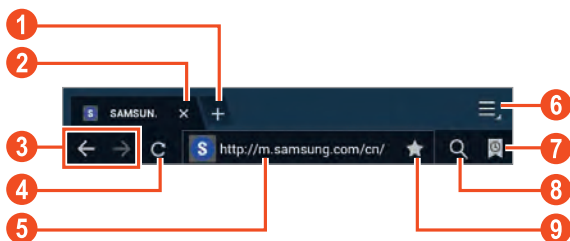
Learn to access and bookmark your favourite webpages.




- This feature may be labelled differently depending on your region or service provider.
- Available icons may vary depending on your region or service provider.

» Browse a webpage












- 1 In the application list, select **Internet**.
- 2 To access a specific webpage, select the URL field, enter the web address, and then select **Go**.
- 3 Navigate webpages with the following keys:





Number	Function
1	Open a new window.
2	Close the current tab.
3	Move backwards or forwards to webpages in history.

Number	Function
4	Reload the current webpage. While the device is loading webpages, this icon changes to  .
5	Enter a web address or a keyword.
6	Access web browser options.
7	View your bookmarks, saved pages, and recent Internet history.
8	Activate the URL field.
9	Bookmark the current webpage.

While browsing a webpage, access the following options:


- To zoom in or out, place two fingers on the screen and slowly spread them apart or pinch them together. You can also double-tap the screen.
- To reload the current webpage, select  → **Refresh**.
- To move backwards or forwards to webpages in history, select  or select  → **Forward**.
- To bookmark the current webpage, select  → **Add bookmark**.
- To send a web address to others, select  → **Share page**.
- To search for text on a webpage, select  → **Find on page**.
- To switch to the desktop view, select  → **Desktop view**.
- To save the current webpage for reading offline, select  → **Save for offline reading**. You can view the saved pages by selecting  → **Saved pages**.
- To view webpage details, select  → **Page info**.
- To view your download history, select  → **Downloads**.

- To print the webpage via WLAN or USB, select  → **Print**. Your device is compatible only with some Samsung printers.
- To change the browser settings, select  → **Settings**.

» Search for information by voice





This feature may be unavailable depending on your region or service provider.

- 1 In the application list, select **Internet**.
- 2 Select the URL field.
- 3 Select  and say a keyword into your device's microphone.
The device searches for webpages related to the keyword.
- 4 Select a search result.

» Bookmark your favourite webpage

If you know the address of a webpage, you can add a bookmark manually.

- 1 In the application list, select **Internet**.
- 2 Enter a web address or navigate to a webpage.
- 3 Select  → **Add bookmark**.
- 4 Enter a name for the bookmark and select **OK**.


To view your bookmarks, select  → **Bookmarks**. From the bookmark list, tap and hold a bookmark to access the following options:


- To open the webpage in the current window, select **Open**.
- To open a new window, select **Open in new window**.

- To edit bookmark details, select **Edit bookmark**.
- To add the bookmark shortcut to the Home screen, select **Add shortcut to home screen**.
- To send the address of the current webpage to others, select **Share link**.
- To copy the address of the current webpage, select **Copy link URL**.
- To delete the bookmark, select **Delete bookmark**.
- To set the webpage as your browser's homepage, select **Set as homepage**.

» Download a file from the Internet


When you download files or applications from the Internet, your device saves them to the internal memory.

 Files you download from the Internet can include viruses that will damage your device. To reduce this risk, only download files from sources you trust.

 Some media files include Digital Rights Management to protect copyrights. This protection may prevent you from downloading, copying, modifying, or transferring some files.

- 1 In the application list, select **Internet**.
- 2 Search for a file or application and download it to the device.

» View your recent history

- 1 In the application list, select **Internet** →  → **History**.
- 2 Select a webpage to access.

Communication

Calling

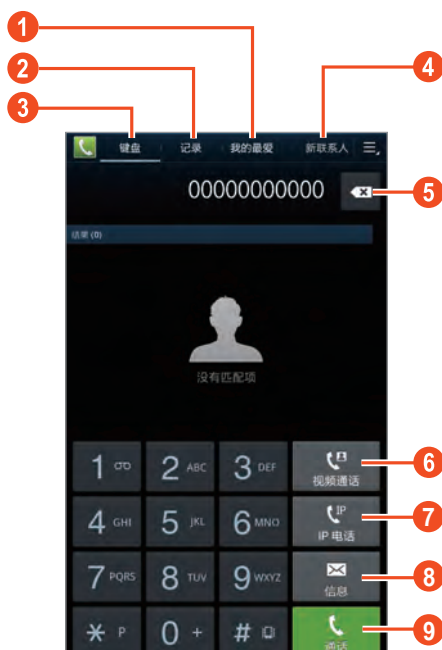
Learn to use calling functions, such as making and answering calls, using options available during a call, or customising and using call-related features.



- To prevent accidental inputs, turn on the proximity sensor to lock the touch screen when you hold the device near your face. ► p. 51
- Static electricity discharged from your body or clothing may interfere with the proximity sensor during a call.

» Make a call

- 1 In the application list, select **Phone** → **Keypad**, and then enter an area code and a phone number.



Number	Function
①	Access your favourite contacts.
②	Access the call log.
③	Open the dialling screen.
④	Create a contact.
⑤	Clear your input.
⑥	Make a video call.
⑦	Make an IP call.
⑧	Send a message.
⑨	Make a voice call.



You can set the device to show the area code. In the application list, select **Phone** → **Keypad** →  → **Settings** → **Call settings** → **Phone number locator** → **Enable PNL**.


2 Select **Call** to make a voice call.
To make a video call, select **Video call**.

3 Select **End call** to end the call.



- You can save numbers that you call frequently in the contact list. ► p. 76
- To access the call log and redial numbers you have called recently, select **Phone** → **Logs**.

» Answer a call

- 1 During an incoming call, select  and then drag your finger outside of the large circle.



- To adjust the volume, press the Volume key.
- To mute the ringtone, press and hold the Volume key.

- 2 For a video call, select **Show me** to allow the caller to see your image via the front camera.
- 3 Select **End call** to end the call.

» Reject a call

During an incoming call, select  and then drag your finger outside of the large circle.



To send a message to the caller when you reject a call, drag the reject message bar at the bottom of the screen upwards.



You can select one of several preset messages or create your own messages. ► p. 50

» Make an IP call


- 1 In the application list, select **Phone** → **Keypad**, and then enter an area code and a phone number.
- 2 Select **IP call**.




You can change to another prefix and add a new IP call prefix. ► p. 52

» Insert a pause

Learn to insert a pause between numbers when entering a PIN or account number on an automatic answering system.

- 1 In the application list, select **Phone** → **Keypad**, and then enter an area code and a phone number.
- 2 Select  → **Add 2-sec pause** or **Add wait**.
- 3 Enter additional numbers.
- 4 Select **Call** to dial the number.
 - For a 2-second pause, the additional numbers will be sent to the system automatically after 2 seconds.
 - For a waiting pause, select **Yes** when the pop-up window appears.

» Make an international call

- 1 In the application list, select **Phone** → **Keypad**, and then tap and hold  to insert the + character.
- 2 Enter a complete number (country code, area code, and phone number).
- 3 Select **Call** to dial the number.

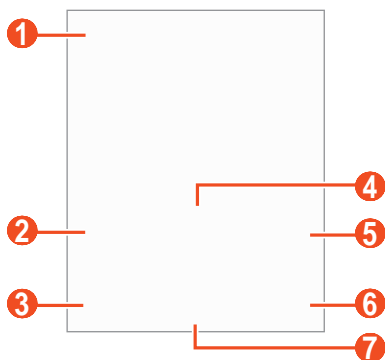
» Use a headset


Connect a headset to your device to answer and control calls conveniently.

- To answer a call, press the headset button.
- To reject a call, press and hold the headset button.
- To place a call on hold or retrieve a held call, press and hold the headset button.
- To end a call, press the headset button.

» Use options during a voice call


You can use the following options during a voice call:




Number	Function
1	Place a call on hold or retrieve a held call.
2	Record a call conversation.
3	Activate the speakerphone feature.  In noisy environments, you may have difficulty hearing some calls while using the speakerphone feature. For better audio performance, use the normal phone mode.




Number	Function
4	Open the dialling screen.
5	End the current call.
6	Converse with the other party via a Bluetooth headset.
7	Turn off the microphone so that the other party cannot hear you.

In addition to the options on the screen, you can use the following options during a voice call:

- To adjust the voice volume, press the Volume key up or down.
- To place a call on hold, select **Hold**. To retrieve a held call, select **Unhold**.
- To dial a second call, select **Add call**, and then dial a new number.
- To switch between two calls, select **Swap**.
- To answer a second call, select  and then drag your finger outside of the large circle when a call waiting tone sounds. The first call is placed on hold automatically. You must subscribe to the call waiting service to use this feature.
- To open the dialling screen, select **Dialling Pad**.
- To activate the speakerphone feature, select **Speaker**.







 In noisy environments, you may have difficulty hearing some calls while using the speakerphone feature. For better audio performance, use the normal phone mode.

- To turn off the microphone so that the other party cannot hear you, select **Mute**.
- To converse with the other party via a Bluetooth headset, select **Headset**.

- To make a multiparty call (conference call), make or answer a second call, and then select **Merge** when connected to the second party. Repeat this to add more parties. You must subscribe to the multiparty call service to use this feature.
- To open the contact list, select  → **Contacts**.
- To create a memo, select  → **Memo**.
- To connect the current party with the party placed on hold, select  → **Transfer**. You will be disconnected from both parties.

» Use options during a video call

You can use the following options while a video call is in progress:

- To activate the speakerphone feature, select **Speaker**.
- To turn off the microphone so that the other party cannot hear you, select **Mute**.
- To hide your image from the other party, select  → **Hide me**.
- To select an image to be shown to the other party, select  → **Outgoing image**.
- To open the dialling screen, select  → **Dialpad**.
- To converse with the other party via a Bluetooth headset, select  → **Switch to headset**.
- To switch between the front and rear camera, select  → **Switch camera**.
- To change the video call settings, select  → **Settings**.
- Tap and hold the other party's image to access the following options:
 - To capture the other party's image, select **Capture image**.
 - To record a video of the other party's image, select **Record video**.



It is illegal in many areas to record a call without permission. Always ask the other party for permission before recording a call.

- Tap and hold your image to access the following options:
 - To adjust the brightness of the display, select **Brightness**.
 - To zoom in or out when you use the rear camera, select **Zoom**.
 - To blur your image when you use the front camera, select **Blur effect**.

» View and dial a missed call

Your device will show missed calls. To return the call, tap the right bottom of the screen to open the notifications panel, then select the missed call notification.


» Set auto rejection

Use auto rejection to reject calls from specified numbers automatically.

- 1 In the application list, select **Settings** → **Call/message block**.
- 2 Select **Voice call block** or **Video call block** → **Block registered numbers only**.
- 3 Select **Voice call block list** or **Video call block list**.
- 4 Select **+**.
- 5 Enter a number and select **✓**.
You can set the criteria for the number.
- 6 To add more numbers, repeat steps 4-5.


» Activate Fixed Dialling Number (FDN) mode

In FDN mode, your device will prevent outgoing calls to any number that is not saved in the FDN list on your SIM or USIM card.

- 1 In the application list, select **Phone** → **Keypad** →  → **Settings** → **Call settings** → **Additional settings** → **Fixed dialling numbers**.
- 2 Select **Enable FDN**.
- 3 Enter the PIN2 supplied with your SIM or USIM card and select **OK**.
- 4 Select **FDN list** and add contacts.

» Set call diverting

Call diverting is a network feature that sends incoming calls to a specified number. You can set this feature separately for several conditions.

- 1 In the application list, select **Phone** → **Keypad** →  → **Settings** → **Call settings** → **Call forwarding** → a call type.
- 2 Select a condition.
- 3 Enter a number to which calls will be forwarded and select **Enable**.
Your setting will be sent to the network.

» Set call barring

Call barring is a network feature that restricts certain types of calling or prevents others from making calls with your device.

- 1 In the application list, select **Phone** → **Keypad** →  → **Settings** → **Call settings** → **Additional settings** → **Call barring** → a call type.

- 2 Select a call barring option.
- 3 Enter a call barring password and select **OK**.
Your setting will be sent to the network.


» Set call waiting

Call waiting is a network feature that alerts you to an incoming call while you are on another call. This feature is available only for voice calls.

In the application list, select **Phone** → **Keypad** →  → **Settings** → **Call settings** → **Additional settings** → **Call waiting**. Your setting will be sent to the network.

» View a call or message log


You can view logs of calls and messages that are filtered by type.

- 1 In the application list, select **Phone** → **Logs**.
- 2 Select  → **View by** → an option.
- 3 Select a log entry to view its details.



From the detail view, you can make a call, send a message to the number, or add the number to the contact list or the auto reject list.

» Customise call settings

- 1 In the application list, select **Phone** → **Keypad** →  → **Settings**.
- 2 Change the following options:

Option	Function
Call settings → Set reject messages	Add or edit the message that will be sent when you reject a call.

Option	Function
Call settings → Call alert	Set the device to alert you to events during a call.
Call settings → The power key ends calls	Set to end a call when you press the Power key.
Call settings → Auto screen off during calls	Set to turn on the proximity sensor during a call.
Call settings → Accessory settings for call → Outgoing call conditions	Set to allow outgoing calls with a Bluetooth headset, even when your device is locked.
Call settings → Accessory settings for call → Outgoing call type	Select the type of outgoing calls to make you use a Bluetooth headset.
Call settings → Accessory settings for call → Automatic answering	Set whether or not the device answers calls automatically after a specified period (available only when a headset is connected).
Call settings → Accessory settings for call → Automatic answering timer	Select the length of time that the device waits before answering calls.
Call settings → Call forwarding	Set to send incoming calls to a specified number.

Option	Function
Call settings → Phone number locator	Set whether to show region information on calls, or update the information from the server.
Call settings → Additional settings → Caller ID	Display your caller ID to other parties for outgoing calls.
Call settings → Additional settings → Call barring	Set to restrict calls by call type.
Call settings → Additional settings → Call waiting	Set the device to alert you to incoming calls during a call.
Call settings → Additional settings → Auto redial	Set to automatically redial a call that was not connected or that was cut off.
Call settings → Additional settings → Fixed dialing numbers	Activate FDN mode to prevent calls to phone numbers that are not in the FDN list on the SIM or USIM card.
Call settings → Additional settings → Auto area code	Set to insert a prefix (area or country code) automatically before a phone number.
Call settings → IP call list	Add or select an IP call prefix.

Option	Function
Video call settings → Video call image	Select an alternative image to be shown to the other party.
Video call settings → Use call fail options	Set to attempt a voice call automatically when a video call fails to connect.
Video call settings → Accept automatically	Set to answer a voice call from the same caller automatically when you reject a video call by selecting Accept by voice call . When you reject a video call and the caller tries to reach you again with a voice call, the call is answered automatically.
Voicemail → Voicemail service	Select a voicemail service provider.
Voicemail → Voicemail settings	Enter the voicemail server number. You can obtain this number from your service provider.




Messages

Learn to create and send text (SMS) or multimedia (MMS) messages, and view or manage messages that you have sent or received.






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




» Send a text message

- 1 In the application list, select **Messaging** → .
- 2 Add recipients:
 - Enter phone numbers manually and separate them with a semicolon or a comma.
 - Select phone numbers from your contact list by selecting .
- 3 Select the text field and enter your message text.
To insert emoticons, select  → **Insert smiley**.
- 4 To send the message, select **Send**.

» Send a multimedia message

- 1 In the application list, select **Messaging** → .
- 2 Add recipients:
 - Enter phone numbers or email addresses manually and separate them with a semicolon or a comma.
 - Select phone numbers or email addresses from your contact list by selecting .

 When you enter an email address, the device will convert the message to a multimedia message.


- 3 Select the text field and enter your message text.
To insert emoticons, select  → **Insert smiley**.
- 4 Select  and attach a file.
- 5 Select  → **Add subject** and enter a subject.
- 6 To send the message, select **Send**.

» View a text or multimedia message

- 1 In the application list, select **Messaging**.
Your messages are grouped by contact as a message thread.
- 2 Select a contact.
- 3 Select a multimedia message to view more details.

» Listen to a voicemail message

If you have set your device to divert missed calls to the voicemail server, callers may leave voicemail messages when you miss calls.

- 1 In the application list, select **Phone** → **Keypad**, and then tap and hold .
- 2 Follow the instructions from the voicemail server.



You must save the voicemail server number before accessing the voicemail server. Contact your service provider for this number.

Email

Learn to send or view email messages via your personal or company email account.

» Set up an email account

- 1 In the application list, select **Email**.
- 2 Select an email service.
- 3 Enter your email address and password.

4 Select **Next**. To enter account details manually, select **Manual setup**.


5 Follow the on-screen instructions.

When you are finished setting up the email account, email messages will be downloaded to your device. If you have created two or more accounts, you can switch between them. Select an account name at the top of the screen, and then select the account from which you want to retrieve messages.

» Send an email message

1 In the application list, select **Email** → .

2 Add recipients:

- Enter email addresses manually and separate them with a semicolon or a comma.
- Select phone numbers from your contact list by selecting .

3 Select the subject field and enter a subject.

4 Select the text field and enter your email text.

5 Select  and attach a file.

6 To send the message, select **Send**.



If you are offline or outside your service area, the message will be held in the message thread until you are online and inside your service area.












» View an email message

1 In the application list, select **Email**.

2 Select  to update the message list.

3 Select an email message.

From the message view, use the following options:

- To move to the next or previous message, select  or .
- To create a new message, select .
- To reply to the message, select .
- To forward the message to others, select .
- To delete the message, select .
- To mark the message as unread, select  → **Mark as Unread.**
- To save the message to your device, select  → **Save email.** The message will be saved in **My files** → **sdcard** → **Saved Email.**
- To change the view mode, select  → **Display mode.**
- To print the message via WLAN or USB, select  → **Print.** Your device is compatible only with some Samsung printers.
- To save the email address of the recipients to the phonebook as a group of contacts, select  → **Save as group.**
- To change the email settings, select  → **Settings.**
- To save an attachment to your device, select the attachment tab → .



The options available may vary depending on the email account or device's orientation.

Entertainment

Camera

Learn how to take and view photos and videos. You can take photos at resolutions up to 2048 x 1536 pixels (3.2 megapixels) and record videos at resolutions up to 1280 x 720 pixels.








- The camera turns off automatically when you do not use it for a specified period.
- The memory capacity may differ depending on the scene or shooting conditions.

» Take a photo

- 1 In the application list, select **Camera**.
- 2 Aim the camera lens at the subject and make any necessary adjustments.
















Number	Function
1	<p>Use camera shortcuts.</p> <ul style="list-style-type: none"> • : Switch to the front camera to take a photo of yourself. • : Change the shooting mode. ► p. 60 • : Select the length of the delay before the camera takes a photo. • : Adjust the exposure value to change the brightness. • : Apply a special effect. <p>You can add or remove shortcuts to frequently-used options. ► p. 64</p>
2	Change the camera settings.
3	View the storage location.
4	Switch to the camcorder.
5	Take a photo.
6	View photos you have taken.

3 Select  to take a photo.


The photo is saved automatically.

After taking a photo, select the image viewer to view it.

- To view more photos, scroll left or right.
- To zoom in or out, place two fingers on the screen and slowly spread them apart or pinch them together. You can also double-tap the screen.
- To view the photo on a DLNA certified device, select .
- To send the photo to others, select .
- To delete the photo, select  → **Delete**.
- To add the photo to the clipboard, select  → **Copy to clipboard**.
- To crop a section from the photo, select  → **Crop**.

- To rotate the photo anti-clockwise, select  → **Rotate left**.
- To rotate the photo clockwise, select  → **Rotate right**.
- To set the photo as your wallpaper or a contact image, select  → **Set picture as**.
- To print the photo via WLAN or USB, select  → **Print**. Your device is compatible only with some Samsung printers.
- To start a slide show, select  → **Slideshow**. Tap the screen to stop the slide show.
- To edit the photo with the image editor, select  → **Edit**.
▶ p. 69
- To change the name of a file, select  → **Rename**.
- To view photo details, select  → **Details**.

» Change the shooting mode


You can take photos with various shooting modes. To change the shooting mode, select  → **Shooting mode** → an option.

Option	Function
Smile shot	Set the device to recognise people's faces and help you take photos of them when they smile.
Panorama	Take panoramic photos.

» Customise camera settings

Before taking a photo, select  to access the following options:






Option	Function
Edit shortcuts	Edit shortcuts to frequently-used options.
Self portrait	Take photos of yourself with the front camera.





Option	Function
Shooting mode	Change the shooting mode.
Scene mode	Change the scene mode.
Brightness	Adjust the exposure value to change the brightness.
Timer	Select the length of the delay before the camera takes a photo.
Effects	Apply a special effect.
Resolution	Select a resolution option.
White balance	Adjust the colour balance according to the lighting conditions.
Metering	Select a type of exposure metering.
Guidelines	Set to view the grid lines on the preview screen.
GPS tag	<p>Set the camera to include location information for your photos.</p>  <ul style="list-style-type: none"> • To improve GPS reception, 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.
Storage	Select a memory location for saving captured photos.
Reset	Reset camera settings.

» Record a video

- 1 In the application list, select **Camera**.
- 2 Drag the slider to switch to the camcorder.
- 3 Aim the lens at the subject and make any necessary adjustments.




Number	Function
1	<p>Use camera shortcuts.</p> <ul style="list-style-type: none"> •  : Switch to the front camera to record a video of yourself. •  : Change the recording mode (for attaching to a message or for saving normally). •  : Select the length of the delay before the camcorder records a video. •  : Adjust the exposure value to change the brightness. •  : Apply a special effect. <p>You can add or remove shortcuts to frequently-used options. ► p. 64</p>
2	Change the camcorder settings.

Number	Function
	View the storage location.
	Switch to the camera.
	Record a video.
	View videos you have recorded.






4 Select  to start recording.

5 Select  to stop recording.


The video is saved automatically.

 The camcorder may not be able to properly record videos on memory cards with slow transfer speeds.

After recording a video, select the image viewer to view it.

- To view more videos, scroll left or right.
- To play the video, select .
- To play the video on a DLNA certified device, select .
- To send the video to others, select .
- To delete the video, select  → **Delete**.
- To view video details, select  → **Details**.

» Customise camcorder settings


Before recording a video, select  to access the following options:

Option	Function
Edit shortcuts	Edit shortcuts to frequently-used options.
Self recording	Switch to the front camera to record a video of yourself.

Option	Function
Recording mode	Change the recording mode (for attaching to a message or for saving normally).
Brightness	Adjust the exposure value to change the brightness.
Timer	Select the length of the delay before the camcorder starts recording a video.
Effects	Apply a special effect.
Resolution	Select a resolution option.
White balance	Adjust the colour balance according to the lighting conditions.
Guidelines	Set to view the grid lines on the preview screen.
Storage	Select a memory location for saving recorded videos.
Reset	Reset camcorder settings.

» Edit the shortcut icons

You can add or remove shortcuts to frequently-used options.

- 1 From the preview screen, select  → **Edit shortcuts**.
- 2 Tap and hold an icon from the option list, and then drag it to the shortcut area.
To remove shortcuts, tap and hold an icon, and then drag it to the option list.
- 3 Tap the screen to return to the preview screen.

Video player

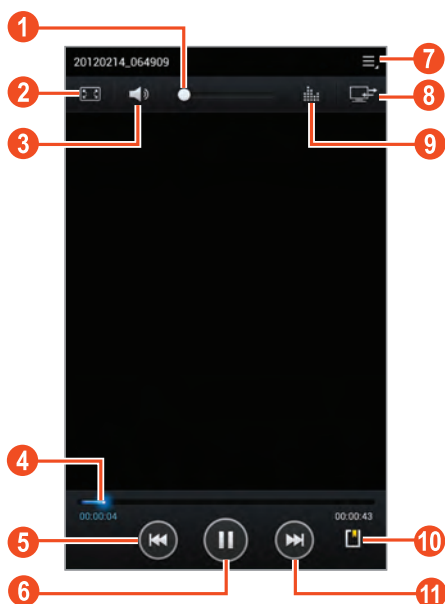
Learn to use the video player.




- Some file formats are not supported depending on the device's software.
- If a file size exceeds the memory available, an error may occur when you try to open the file.
- Playback quality may vary by content type.
- Some files may not play properly depending on how they are encoded.

» Play a video

- 1 In the application list, select **Video player**.
- 2 Select a video.
- 3 Control playback with the following keys:



Icon	Function
1	Adjust the volume.
2	Change the ratio of the video screen.
3	Mute the sound.
4	Scan forwards or backwards in the file by dragging or tapping the bar.
5	Restart playback; Skip to the previous file (tap within 2 seconds); Scan backwards in the file (tap and hold).
6	Pause playback; Select  to resume playback.
7	Access video player options.
8	Play the video on a DLNA certified device.
9	Select a sound effect.
10	Insert a bookmark.
11	Skip to the next file; Scan forwards in the file (tap and hold).

During playback, select  to access the following options:

- To listen to audio via a Bluetooth headset, select **Via Bluetooth**. You cannot use this option if you connect a headset to your device's headset jack.
- To send the video to others, select **Share via**.
- To trim a segment of the video, select **Trim**.
- To change the playback speed, select **Play speed**.
- To view your bookmarks, select **Bookmarks**. This option appears if you have inserted a bookmark during playback.
- To change the settings for the current subtitle file, select **Subtitles**. To open a subtitle file, select **Select subtitles**.

- To set the video player to play the next file automatically, select **Auto play next**.
- To edit the video with the video editor, select **Video maker**.
- To view video details, select **Details**.

Gallery

Learn to view images and play videos saved in your device.









- Some file formats are not supported depending on the device's software.
- If a file size exceeds the memory available, an error may occur when you try to open the file.
- Playback quality may vary by content type.
- Some files may not play properly depending on how they are encoded.








» View an image

1 In the application list, select **Gallery**.

2 Select a folder → an image.

While viewing an image, use the following options:


- To view more images, scroll left or right.
- To zoom in or out, place two fingers on the screen and slowly spread them apart or pinch them together. You can also double-tap the screen.
- To view the image on a DLNA certified device, select .
- To send the image to others, select .
- To delete the image, select  → **Delete**.
- To add the image to the clipboard, select  → **Copy to clipboard**.
- To crop a section from the image, select  → **Crop**.
- To rotate the image anti-clockwise, select  → **Rotate left**.

- To rotate the image clockwise, select  → **Rotate right**.
- To set the image as your wallpaper or a contact image, select  → **Set picture as**.
- To print the image via WLAN or USB, select  → **Print**. Your device is compatible only with some Samsung printers.
- To start a slide show, select  → **Slideshow**. Tap the screen to stop the slide show.
- To edit the image with the image editor, select  → **Edit**.
▶ p. 69
- To change the name of a file, select  → **Rename**.
- To view image details, select  → **Details**.



The options available may vary depending on the selected folder.

» Play a video





- 1 In the application list, select **Gallery**.
- 2 Select a folder → a video (indicated by the  icon).
- 3 Control playback with the keys. ▶ p. 65



During playback, select  to access the following options:


- To listen to audio via a Bluetooth headset, select **Via Bluetooth**. You cannot use this option if you connect a headset to your device's headset jack.
- To send the video to others, select **Share via**.
- To trim a segment of the video, select **Trim**.
- To change the playback speed, select **Play speed**.
- To view your bookmarks, select **Bookmarks**. This option appears if you have inserted a bookmark during playback.
- To change the settings for the current subtitle file, select **Subtitles**. To open a subtitle file, select **Select subtitles**.
- To edit the video with the video editor, select **Video maker**.
- To view video details, select **Details**.

Photo editor

You can edit images and apply various effects.

- 1 In the application list, select **Photo editor**.
- 2 Select an image, or select **Select picture** → a folder → an image.
To take a new photo, select **Capture picture**.
- 3 Select **Selection** → **OK**.
- 4 Draw a border around the area you want to select, and then select **Done**.
 - To change the type of selection tool, select **Selection**.
 - To edit the selection border, select   or . If you select **Grab**, you can adjust the border size by selecting .
 - To reverse the selection, select **Inverse**.
- 5 Edit the image with the following tools:

Tool	Function
Rotate	Rotate or flip the image.
Resize	Resize the image by dragging the rectangle or selecting 100% → an option.
Crop	Crop the image by moving or dragging the rectangle.
Colour	Apply a colour effect.
Effect	Apply a filter effect.
Tools	Use additional tools.
	Undo your last action.
	Redo your last action.


- 6 When you are finished, select .
- 7 Enter a name for the image and select **OK**.

Video maker

You can edit videos and apply various effects. The video editor supports the following video resolutions and codecs:

Type	Format
Resolutions	176 x 144, 320 x 240, 640 x 480, 720 x 480, 1280 x 720
Codecs	H.264, H.263, MPEG4


» Create a video

- 1 In the application list, select **Video maker**.
- 2 Select **New Project**.
- 3 Select a frame theme.
- 4 Select a category.
- 5 Tap and hold a file, and then drag it to the bottom of the screen.
 - To set the length of time that an image appears, select the thumbnail, and then drag the left or right border of the thumbnail.
 - To delete images or videos, tap and hold an item, and then drag it to the rubbish bin.
 - To rearrange images or videos, tap and hold an item, and then drag it to a new location.
- 6 Select **Transition** and drag an effect option to a transition effect icon between images or videos.
- 7 When you are finished, select  → **Export**.
- 8 Select a resolution option.
- 9 Enter a name for the video and select **OK**.

» Trim a segment of a video

- 1 Launch the video editor and open a video file.
- 2 Select the thumbnail.
- 3 Move the start bracket to the point where trimming should begin.
- 4 Move the end bracket to the point where the trimming should end.
- 5 Save the edited video.

» Split a video

- 1 Launch the video editor and open a video file.
- 2 Select the thumbnail.
- 3 Drag the thumbnail at the bottom of the screen to place the yellow line.
- 4 Select .
- 5 Save the edited video.

» Apply an effect to a video

- 1 Launch the video editor and open a video file.
- 2 Drag the thumbnail at the bottom of the screen to place the yellow line.
- 3 Select **Effect** → an effect option.
- 4 Save the edited video.

Music player

Learn to listen to your favourite music while on the go.



- Some file formats are not supported depending on the device's software.
- If a file size exceeds the memory available, an error may occur when you try to open the file.
- Playback quality may vary by content type.
- Some files may not play properly depending on how they are encoded.

» Add music files to your device

Start by transferring files to your device or memory card:

- Download from the Internet. ► p. 37
- Download from a computer with Samsung Kies. ► p. 82
- Download from a computer with Windows Media Player. ► p. 82
- Receive via Bluetooth. ► p. 92
- Copy to your memory card. ► p. 82







» Play music

- 1 In the application list, select **Music player**.
- 2 Select a music category → a music file.
- 3 Select the album image to open the music player screen.

4 Control playback with the following keys:



Icon	Function
1	Adjust the volume.
2	Set the file as your favourite track.
3	Mute the sound.
4	Scan forwards or backwards in the file by dragging or tapping the bar.
5	Activate Shuffle mode.
6	Restart playback; Skip to the previous file (tap within 2 seconds); Scan backwards in the file (tap and hold).
7	Pause playback; Select ► to resume playback.
8	View music details.

Icon	Function
	Open the playlist.
	Access music options.
	Play the music file on a DLNA certified device.
	Select a sound effect.
	Change the repeat mode.
	Skip to the next file; Scan forwards in the file (tap and hold).





You can control the music player with a headset. On the Home screen, press and hold the headset button to launch the music player. Then, press the headset button to start or pause playback.


During playback, select  to access the following options:

- To add the music file to a playlist, select **Add to playlist**.
- To listen to music via a Bluetooth headset, select **Via Bluetooth**. You cannot use this option if you connect a headset to your device's headset jack.
- To send the music file to others, select **Share via**.
- To set the music file as your ringtone, select **Set as**.
- To change the music player settings, select **Settings**.

» Create a playlist

- 1 In the application list, select **Music player**.
- 2 Select  → **New playlist**.
- 3 Enter a title for your new playlist and select **OK**.
- 4 Select a music category and select  next to the files to include.
- 5 Select **Done**.

» Customise music player settings

- 1 In the application list, select **Music player**.
- 2 Select  → **Settings**.
- 3 Change the following options:

Option	Function
Advanced → SoundAlive	Select a sound effect.
Advanced → Play speed	Change the playback speed.
Advanced → Lyrics	Set to show song lyrics during playback.
Advanced → Music auto off	Set the music player to turn off automatically after a specific period of time.
Music menu	Select music categories to show in the music library.

Personal information

Contacts




Learn to create and manage a list of your personal or business contacts. You can save names, phone numbers, email addresses, and more for your contacts.

» Create a contact

1 In the application list, select **Contacts** → **Contacts** → .

2 Select a memory location.

3 Enter contact information.

 To add a new item, select . To delete an item, select .

4 Select  to add the contact to memory.

 You can create contacts from the dialling screen by selecting **New contact** → **Create contact**.

» Find a contact




1 In the application list, select **Contacts** → **Contacts**.

2 Scroll up or down the contact list.


3 Select a contact's name.


From the contact view, use the following options:

- To make a voice call, select a phone number.
- To make a video call, select **Video call**.


- To send a text or multimedia message, select .
- To send an email message, select an email address.
- To set a favourite number, select .
- To edit the contact information, select  → **Edit**.


» Set a speed dial number

- 1 In the application list, select **Contacts** → **Contacts**.
- 2 Select  → **Speed dial setting**.
- 3 Select a location number → a contact.

 You can call a speed dial number by tapping and holding the location number on the dialling screen.



» Create your namecard

- 1 In the application list, select **Contacts** → **Contacts**.
- 2 Select **Set up profile**.
- 3 Enter your personal details and select .

 You can send your namecard to others by selecting  → **Share namecard via**.



» Create a group of contacts

By creating groups of contacts, you can manage multiple contacts and send a message to an entire group.



- 1 In the application list, select **Contacts** → **Groups** → .
- 2 Enter a name and select a ringtone for the group.
- 3 Add members to the group.
- 4 Select .

» Copy a contact

Copy contacts from the SIM or USIM card to your device

- 1 In the application list, select **Contacts** → **Contacts**.
- 2 Select  → **Import/Export** → **Import from SIM card**.
- 3 Select contacts to copy, and then select .

Copy contacts from your device to the SIM or USIM card

- 1 In the application list, select **Contacts** → **Contacts**.
- 2 Select  → **Import/Export** → **Export to SIM card**.
- 3 Select contacts to copy, and then select  → **OK**.


» Import or export a contact

You can import or export files (in vcf format) to or from your device's USB storage or a memory card.

Import contact files

- 1 In the application list, select **Contacts** → **Contacts**.
- 2 Select  → **Import/Export** → **Import from SD card** or **Import from USB storage**.
- 3 Select an option for importing a single contact file, multiple contact files, or all contact files, and then select **OK**.
- 4 Select contact files to import, and then select **OK**.


Export contacts

- 1 In the application list, select **Contacts** → **Contacts**.
- 2 Select  → **Import/Export** → **Export to SD card** or **Export to USB storage**.
- 3 Select **OK** to confirm.

S Planner

Your device includes a powerful planner to help you organise your schedules more conveniently and effectively. Learn to create and manage events and tasks, and set alarms to remind yourself of important events and tasks.

» Create an event or task

- 1 In the application list, select **S Planner**.
- 2 Select .
- 3 Select an event type at the top of the screen.
- 4 Enter the details of the event and select **Done**.

» Change the view mode


- 1 In the application list, select **S Planner**.
- 2 Select a view mode.
 - **Year**: All months in the year
 - **Month**: A full month in one view
 - **Week**: Daily blocks for one full week

- **Day:** Hourly blocks for one full day
- **Agenda:** A list of all the events and holidays scheduled for a specific period
- **Task:** A list of tasks




You can also change the view mode by placing two fingers on the screen and spreading them apart or pinching them together.

» View an event or task

- 1 In the application list, select **S Planner**.
- 2 Select a date on the calendar.
 - To move to a specific day, select  → **Go to** and enter the date.
 - To move to today's date, select **Today**.
- 3 Select an event to view its details.



You can send the event to others by selecting  → **Send via**.

» Stop an event or task alarm


If you set a reminder for a calendar event or task, an alarm will sound at the specified time.

- 1 Tap the right bottom of the system bar to open the notifications panel.
- 2 Select the event notification.
- 3 Select an event to view more details.
To snooze the event alarm, select the tick box next to the event and select **Snooze**.

Memo

Learn to record important information for viewing at a later date.
















» Create a memo

- 1 In the application list, select **Memo**.
- 2 Select .
- 3 Enter your memo text and select **Done**.

» View a memo

- 1 In the application list, select **Memo**.
- 2 Select a memo to view its details.

While viewing the memo, use the following options:

- To delete the memo, select   .
- To change the background colour, select   .
- To protect the memo from accidental deletion, select   .
- To print the memo via WLAN or USB, select   . Your device is compatible only with some Samsung printers.
- To send the memo to others, select   .

Connectivity

USB connections

Learn to connect your device to a computer with a USB cable.

» Connect with Samsung Kies

Ensure that Samsung Kies is installed on your computer. You can download the program from the Samsung website (www.samsung.com/kies).



Samsung Kies will work on both Windows and Macintosh computers.

- 1 Connect your device to a computer with a 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.

» Connect with Windows Media Player

Ensure that Windows Media Player is installed on your computer.


- 1 Connect your device to a computer with a USB cable.
- 2 Open Windows Media Player and synchronise music files.

» Connect as a mass storage device

You can connect your device to a computer and use it as a removable disk.



Before using your device as a removable disk, download the corresponding USB driver from the Samsung website (www.samsung.com/cn) and install it correctly in your computer.

- 1 Connect your device to a computer with a USB cable.
 - 2 Transfer files between your device and the computer.
-  Before disconnecting the device from the computer, safely remove the mass storage device. Otherwise, you may lose data saved in your device or damage your device.


WLAN

Learn to use your device's wireless networking capabilities to activate and connect to any wireless local area network (WLAN) compatible with the IEEE 802.11 standards.

You can connect to the Internet or other network devices anywhere an access point or wireless hotspot is available.

» Activate the WLAN feature

In the application list, select **Settings** and then select **OFF** in **WLAN**.

-  The WLAN feature running in the background will consume battery power. To preserve battery power, activate the feature only when needed.

» Find and connect to a WLAN AP

- 1 In the application list, select **Settings** → **WLAN**.
Your device searches for available WLAN APs automatically.
- 2 Select an AP.
- 3 Enter the password for the AP (if necessary).
- 4 Select **Connect**.

» Add a WLAN AP manually

- 1 In the application list, select **Settings** → **WLAN** → **Add network**.
- 2 Enter an SSID for the AP and select a security type.
- 3 Set the security settings according to the security type you selected, and then select **Save**.

» Connect to a WLAN AP with a protected setup

You can connect to a secured AP with a WPS button or WPS PIN. To use this method, your wireless access point must have a WPS button.

Connect with a WPS button

- 1 In the application list, select **Settings** → **WLAN**.
- 2 Select an AP that has WPS available, and then select **Show advanced options**.
- 3 Select the **WPS** drop-down menu.
- 4 Select **Push button** → **Connect**.
- 5 Press the WPS button on the AP within 2 minutes.


Connect with a WPS PIN

- 1 In the application list, select **Settings** → **WLAN**.
- 2 Select an AP that has WPS available, and then select **Show advanced options**.
- 3 Select the **WPS** drop-down menu.
- 4 Select **PIN from access point** or **PIN from this device** → **Connect**.
- 5 On the AP, enter the PIN, and then press the WPS button.

» Set the static IP settings

- 1 In the application list, select **Settings** → **WLAN**.
- 2 Select an AP → **Show advanced options**.
- 3 Select the **IP settings** drop-down menu.
- 4 Select **Static**.
- 5 Change the IP settings.
- 6 Select **Connect**.

» Customise WLAN settings

- 1 In the application list, select **Settings** → **WLAN** →  → **Advanced**.
- 2 Change the following options:

Option	Function
Network notification	Set the device to notify you when an open WLAN AP is available.
Keep WLAN on during sleep	Set whether or not to keep the WLAN feature active in Sleep mode.
WLAN reselection	??
Proxy Exception list	??
MAC address	View the MAC address.
IP address	View the IP address.


WLAN Direct

Learn to use the WLAN Direct feature to connect two devices via WLAN without requiring an AP.

» Connect your device to another device

- 1 In the application list, select **Settings** → **More...** → **WLAN Direct**.
- 2 Select **OFF** in **WLAN Direct** and then select **OK**.
- 3 Select **WLAN Direct** → **Scan**.
- 4 Select a device.
When the owner of the other device accepts the connection, the devices are connected.

» Send data via WLAN

- 1 Select a file or item from an appropriate application.
- 2 Select an option for sending data via WLAN.
 The method for selecting an option may vary by data type.
- 3 Search for and select another device.

» Receive data via WLAN

When you receive data, it is saved to your device automatically. Received data is saved to the ShareViaWifi folder.

AllShare

Learn to use the Digital Living Network Alliance (DLNA) service that enables you to share media files between DLNA certified devices in your home via WLAN.



- Some files may not play on some DLNA certified devices.
- Sharing media files may be buffered depending on the network connection.


» Play your files on another device

- 1 In the application list, select **AllShare**.
- 2 Select **My device**.
- 3 Select a media category → a file.
- 4 Select a player.
Playback begins on the selected player.
- 5 Control playback with the keys on your device.

» Play a file from another device on your device


- 1 In the application list, select **AllShare**.
Your device searches for DLNA certified devices automatically.
- 2 Select a device that contains media files.
- 3 Select a media category → a file.
- 4 Control playback with the keys on your device.

» Play a file from one device on another device

- 1 In the application list, select **AllShare**.
Your device searches for DLNA certified devices automatically.
- 2 Select a device that contains media files.
- 3 Select a media category → a file.
- 4 Select .
- 5 Select a player.
Playback begins on the selected player.
- 6 Control playback with the keys on your device.

» Customise settings for sharing media files

To allow other DLNA certified devices to access media files on your device, you must activate media sharing.

- 1 In the application list, select **AllShare** → .
- 2 Change the following options:

Option	Function
Media server name	Enter a media server name for your device.
Share media	Set to share your videos, images, or music with other devices.
Access point network	Select a connection profile to use for DLNA connections.
Upload from other devices	Set to accept uploads from other devices.
Default memory	Select a memory location for saving downloaded media files.

Mobile network sharing

Learn to share your device’s mobile network connection with other devices.

» Share your device’s mobile network via WLAN

Learn to use your device as a wireless access point for other devices.



This feature may be unavailable depending on your region or service provider.

- 1 In the application list, select **Settings** → **More...** → **Tethering and portable hotspot**.
- 2 Select **Portable WLAN hotspot** to activate mobile network sharing via WLAN.
- 3 Select **Configure portable WLAN hotspot** to configure network settings to use your device as an AP.

Option	Function
Network SSID	Edit the device name that will be shown to other devices.
Hide my device	Set to prevent other devices from locating your device.
Security	Select a security type.
Password	Enter a password to prevent unapproved access to your mobile network. This option is available only when you set the security option.
Show password	Set to show your password as you enter them.

- 4 Select **Save**.
- 5 On another device, locate your device's name and connect to your mobile network.

» Share your device's mobile network via USB

Learn to use your device as a wireless modem by making a USB connection with a computer.

- 1 Connect your device to a computer with a USB cable.
- 2 In the application list, select **Settings** → **More...** → **Tethering and portable hotspot**.
- 3 Select **USB tethering** to activate mobile network sharing via USB.
To stop sharing the network connection, clear the tick box next to **USB tethering**.



The sharing method may differ depending on the computer's operating system.

» Share your device's mobile network via Bluetooth

- 1 In the application list, select **Settings** → **More...** → **Tethering and portable hotspot**.
- 2 Select **Bluetooth tethering** to activate the mobile network sharing via Bluetooth.
- 3 On another device, find and pair with your device.
Ensure that you have activated the Bluetooth feature and the visibility setting.

Bluetooth

Learn to exchange data or media files with other devices via Bluetooth.



- 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.

» Activate the Bluetooth feature

In the application list, select **Settings** and then select **OFF** in **Bluetooth**.

» Find and pair with another device

- 1 In the application list, select **Settings** → **Bluetooth** → **Scan for devices**.
- 2 Select a device.
- 3 Select **Pair** to match the Bluetooth PIN between two devices. Alternately, enter a Bluetooth PIN and select **OK**. When the owner of the other device accepts the connection or enters the same PIN, pairing is complete. If the pairing is successful, the device will search for available services automatically.



Some devices, especially headsets or hands-free car kits, may have a fixed Bluetooth PIN, such as 0000. If the other device has a PIN, you must enter it.

» Send data via Bluetooth

- 1 Select a file or item from an appropriate application.
- 2 Select an option for sending data via the Bluetooth feature.



The method for selecting an option may vary by data type.

- 3 Search for and pair with a Bluetooth device.

» Receive data via Bluetooth

- 1 In the application list, select **Settings** → **Bluetooth** and then select the tick box next to your device.



To select the length of time that your device will be visible, select  → **Visible time-out**.

- 2 When prompted, select **Pair** to match the Bluetooth PIN or enter the Bluetooth PIN and select **OK** (if necessary).
- 3 Select **Accept** to confirm that you are willing to receive data.

Received data is saved to the bluetooth folder. If you receive a contact, it is saved to the phonebook automatically.

GPS

Your device is equipped with a global positioning system (GPS) receiver. Learn to activate location services and use additional GPS functions.

For better reception of GPS signals, avoid using your device in the following conditions:

- Between buildings, in tunnels or underground passages, or inside buildings

- In poor weather
- Around high voltage or electromagnetic fields
- In a vehicle with sun protection film



Do not touch or cover the area around the antenna with your hands or other objects while using the GPS functions.




This feature may be unavailable depending on your region or service provider.

» Activate location services

You must activate location services to receive location information or search the map.

- 1 In the application list, select **Settings** → **Location services**.
- 2 Change the following options:

Option	Function
Use wireless networks	Set to use WLAN and/or mobile networks to find your location.  You may incur additional charges for using mobile networks.
Use GPS satellites	Set to use GPS satellites to find your location.

VPN connections

Learn to create virtual private networks (VPNs) and connect to them securely over the Internet.



- Your device should already be configured with Internet access. If you have trouble accessing the Internet, you must edit the connections. If you are not sure what information to enter, ask your VPN administrator.
- To use this feature, you must activate the screen lock feature.

» Set up a VPN profile

- 1 In the application list, select **Settings** → **More...** → **VPN** → **Add VPN network**.
- 2 Change the following options:

Option	Function
Name	Enter a name for the VPN server.
Type	Select a VPN type.
Server address	Enter the IP address of the VPN server.
L2TP secret	Enter an L2TP secret password.
IPSec identifier	Enter a user name.
IPsec pre-shared key	Enter a pre-shared security key.
IPSec user certificate	Select a user certificate that the VPN server will use to identify you. You can import certificates from the VPN server or download them from the Internet.

Option	Function
IPSec CA certificate	Select a certificate authority (CA) certificate that the VPN server will use to identify you. You can import certificates from the VPN server or download them from the Internet.
IPSec server certificate	Select a server certificate that the VPN server will use to identify you. You can import certificates from the VPN server or download them from the Internet.
PPP encryption (MPPE)	Set to encrypt data before sending it to the VPN server.
Show advanced options	Set to change the advanced network settings.



The options available may vary depending on the VPN type.

3 When you are finished, select **Save**.

» Connect to a private network

- 1 In the application list, select **Settings** → **More...** → **VPN**.
- 2 Select a private network.
- 3 Enter the user name and password, and then select **Connect**.

Tools

Alarm

Learn to set and control alarms for important events.

» Set an alarm


1 In the application list, select **Alarm**.

2 Select .

3 Set the details of the alarm.



4 When you are finished, select **Done**.



To deactivate an alarm, select the clock icon next to the alarm. To delete an alarm, select  and then select the tick box next to an alarm and select **Done**.

» Stop an alarm

When the alarm sounds,

- To stop the alarm, select  and then drag your finger outside of the large circle.
- To silence the alarm for the snooze period, select  and then drag your finger outside of the large circle.

Calculator


Learn to perform calculations with your device.

» Perform a calculation

1 In the application list, select **Calculator**.

2 Use the keys on the screen to perform basic calculations.




Rotate the device to the landscape view to use the scientific calculator. If you have prevented the display from rotating when you rotate the device, select  → **Scientific calculator**.

» View the calculation history

1 In the application list, select **Calculator**.

2 Perform a calculation.


3 Select  to hide the calculator keypad.
The calculation history appears.

Downloads

Learn to manage logs of files you have downloaded from the web or email.

1 In the application list, select **Downloads**.

2 Select a download category.

3 To open a downloaded file, select the log.
To delete a log, select the tick box and select .

My files

Learn to access various types of files saved in your device.

» Supported file formats

Your device supports the following file formats:

Type	Format
Image	bmp, gif, jpg, png
Video	3gp, mp4, avi, wmv, flv, mkv (Codec: MPEG4, H.263, Sorenson H.263, H.264, VC-1, DivX®)

Type	Format
Music	mp3, 3ga, aac, m4a, wma
Sound	wav, mmf, xmf, imy, midi, amr
Theme	smt
Others	doc, docx, pdf, ppt, pptx, txt, xls, xlsx, htm, html, vbm, vcf, vcs, vnt, jad, jar, crt, der





- Some file formats are not supported depending on the device's software.
- If a file size exceeds the memory available, an error may occur when you try to open the file.

» View a file









1 In the application list, select **My files**.



2 Select a folder.

- To move up one level in the file directory, select .
- To return to the Home directory, select .

3 Select a file.

From the folder list, access the following options:

- To search for files saved in your device, select .
- To view the files in the thumbnail view, select .
- To create folders for managing files, select .
- To sort files or folders, select the **Name** drop-down menu and select an option.
- To send a file to others, select the tick box and select .
- To copy or move the files or folders to another file folder, select the tick boxes and select  or .
- To delete files or folders, select the tick boxes and select .
- To change the name of a file or a folder, select the tick box and select  → **Rename**.

- To view file or folder details, select the tick box and select  → **Details**.
- To change the file manager settings, select  → **Settings**.

Task manager

With the task manager, you can view open applications and memory information.

- 1 In the application list, select **Task manager**.
- 2 Use the following options:

Option	Function
Active applications	View open applications.
Downloaded	View the total amount of memory used by all applications installed on your device.
RAM manager	View and clear the RAM for your device.
Storage	View the used and available memory in your device and on the memory card.
Help	View information about using the task manager.

World clock

Learn to view the time in another region and set world clocks to appear on your display.

1 In the application list, select **World clock** → .

2 Enter a city name or select one from the globe.

3 Select .



To apply summer time to the clock, tap and hold the clock, and then select **DST settings**.

Settings

Access the setting options

- 1 In the application list, select **Settings**.
- 2 Select a setting category, and then select an option.

WLAN

Activate the WLAN feature to connect to a WLAN AP and access the Internet or other network devices.

Bluetooth

Activate the Bluetooth feature to exchange information over short distances.

Data usage

Keep track of your data usage amount.

More...

Change the settings to control connections with other devices or networks.

» Airplane mode

Activate Flight mode to disable all wireless functions on your device. You can use only non-network features.

» Sleeping mode

Set the device to switch to Flight mode for a specified period of time.

» Kies via WLAN

Connect your device to Samsung Kies via WLAN.

» VPN

Set up and manage virtual private networks (VPNs).

» Tethering and portable hotspot


- **USB tethering:** Set to use your device as a wireless modem by making a USB connection with a computer.
- **Portable WLAN hotspot:** Set to use your device as a wireless access point for other devices.
- **Configure portable WLAN hotspot:** Change the network settings for your access point or hotspot.
- **Bluetooth tethering:** Activate the Bluetooth tethering feature to share your mobile network with computers via Bluetooth.
- **Help:** View information about using the tethering features

» WLAN Direct

Activate the WLAN Direct feature to connect two devices via WLAN without requiring an AP.

» Mobile networks

- **Data network enabled:** Set to use data connections on any mobile network.
- **Data roaming:** Set to use data connections when you are roaming.

- **Access Point Names:** Select an access point name (APN) for mobile networks. You can add or edit APNs. To reset your APN settings to the factory defaults, select  → **Reset to default**.
- **Network operators:**
 - **Search networks:** Search for and select a network.
 - **Select automatically:** Set the device to select the first available network.

Sound

Change the settings for various sounds on your device.

- **Volume:** Adjust the volume for various sounds on your device.
- **Silent mode:** Activate Silent mode to make your device vibrate or mute all sounds, except for media sounds and alarm ringtones.
- **Phone profiles:** Select a sound profile to use or customise sound options in profiles as desired.
- **Phone ringtone:** Select a ringtone to alert you to incoming calls.
- **Device vibration:** Add or select a vibration pattern.
- **Ringtone after vibration:** Set the device to vibrate first and then play a ringtone to alert you to incoming calls.
- **Default notifications:** Select a ringtone to alert you to events.
- **Keytones:** Set the device to sound when you enter numbers on the dialling screen.
- **Touch sounds:** Set the device to sound when you select an application or option.
- **Screen lock sound:** Set the device to sound when you lock or unlock the touch screen.

Display

Change the settings to control the display and backlight on your device.

- **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.
- **Clock:** Set to show the clock on the locked screen.
- **Dual clock:** Set to show the dual clock on the locked screen.
 - **Set home city:** Select a city for the home clock.
- **Brightness:** Adjust the brightness of the display.
- **Auto-rotate screen:** Set the interface to rotate automatically when you rotate the device.
- **Screen timeout:** Select the length of time that the device waits before turning off the display backlight.
- **Font style:** Change the font type for the display text.
- **Font size:** Change the font size for creating or showing items in applications.
- **Display battery percentage:** Set to view the remaining battery life.

Call/message block

- **Voice call block:** Set to reject all voice calls or voice calls from specified phone numbers automatically.
- **Voice call block list:** Add phone numbers to block voice calls.
- **Video call block:** Set to reject all video calls or video calls from specified phone numbers automatically.
- **Video call block list:** Add phone numbers to block video calls.

- **Message block:** Set to reject messages from specified phone numbers or messages with specified text phrases automatically.
- **Message block list:** Add phone numbers to block messages.
- **Blocked phrase list:** Add text phrases to block messages.

Power saving

Activate Power saving mode. To change the following settings for Power saving mode, deactivate 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.
- **Background colour:** Set the device to decrease the brightness of the email background colour.
- **Learn about power saving:** View information for saving battery power.

Storage

View memory information for your device and memory card. You can also format the memory card.



Formatting a memory card will permanently delete all data from the memory location.

Battery

View the amount of battery power consumed by your device.

Applications

View and manage the applications on your device.

Accounts and sync

Change the settings for the auto sync feature or manage accounts for synchronisation.

Location services

Change the settings for location services.

- **Use wireless networks:** Set to use WLAN and/or mobile networks for finding your location.
- **Use GPS satellites:** Set to use GPS satellites for finding your location.


Security

Change the settings for securing your device.

- **Screen lock:** Activate the screen lock feature.
- **Owner information:** Enter your information that is shown on the locked screen.
- **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 SD card:**
 - **Encrypt SD card:** Set to encrypt files when you save them to a memory card.
 - **Full encryption:** Set to encrypt all files on a memory card.
 - **Exclude multimedia files:** Set 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.
- **Set up SIM card lock:**
 - **Lock SIM card:** Set to lock the SIM or USIM card. To use your device with the SIM or USIM card, you must enter the PIN.
 - **Change SIM PIN:** Change the PIN supplied with the SIM or USIM card.
- **Make passwords visible:** Set to show your passwords as you enter them.
- **Device administrators:** View the administrators you have approved for your device. You can allow device administrators to apply new policies to your device.
- **Unknown sources:** Set to download applications from any source. If you do not select this option, you can download applications only from Market.
- **Trusted credentials:** Set to use certificates and credentials to ensure the secure use of applications.
- **Install from device storage:** Install encrypted certificates that are saved on a memory card.
- **Clear credentials:** Delete credentials from the device and reset the password.

Language and input

Change the settings for languages and text input.

» Language

Select a display language.

» Default

Select a text input method.


» Samsung Chinese IME

To change the Samsung Chinese IME keypad settings, select .

- **Input Mode:** Select keypad types or text input modes to add to the input selection panel.
- **Space key to input association:** Set the device to enter the highlighted Chinese word when you press the space bar.
- **Fuzzy Pinyin Input:** Select Fuzzy pinyin pairs so that you can easily enter Chinese characters that are similar in phonetic spelling.
- **Handwriting setting:** Change the settings for Handwriting mode, such as recognition time, pen thickness, or pen colour.
- **English Prediction:** Activate English T9 mode to predict words based on your input and show word suggestions.
- **Auto Capitalization:** Set to capitalise the first letter of a sentence automatically.
- **Period(.) shortcut:** Set the device to insert a full stop when you double-tap the space bar.
- **Sound on keypress:** Set the device to sound when you tap a key.

- **Reset setting:** Reset the Samsung Chinese IME keypad settings to the factory defaults.
- **About:** View version information.

» Text-to-speech output

- **Preferred TTS engine:** Select a speech synthesis engine. To change the settings for speech synthesis engines, select .
- **Speech rate:** Select a speed for the TTS feature.
- **Listen to an example:** Listen to the spoken text for an example.
- **Driving mode:** Activate Driving mode to provide audible notifications for event details.

» Pointer speed

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

Back up and reset

Factory data reset: Reset your settings to the factory defaults and delete all your data.

Dock

Change the settings for using a desktop dock with your device.

- **Dock sound:** Set the device to play a sound when your device is connected to or removed from a desktop dock.
- **Desk home screen display: ??**

Date and time

Change the settings to control how time and date appears on your device.



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

- **Automatic date and time:** Set to receive time information from the network and update the time and date automatically.
- **Automatic time zone:** Set to receive time zone information from the network when you move across time zones.
- **Set date:** Set the current date manually.
- **Set time:** Set the current time manually.
- **Select time zone:** Select a time zone.
- **Use 24-hour format:** Set to show the time in 24-hour format or 12-hour format.
- **Select date format:** Select a date format.

Accessibility

Accessibility services are special features for those with physical challenges. Change the settings to improve accessibility to the device's interface and features.

- **Auto-rotate screen:** Set the interface to rotate automatically when you rotate the device.
- **Speak passwords:** Set the device to read aloud passwords you enter on websites with TalkBack.
- **The power key ends calls:** Set to end a call when you press the Power key.
- **Accessibility shortcut:** Add a shortcut to accessibility settings that appears when you press and hold the Power key.
- **Screen timeout:** Select the length of time that the device waits before turning off the display backlight.

- **Install Web scripts:** Set applications to install web scripts to make their web content more accessible.
- **Font size:** Change the font size in the calendar, email, phonebook, and memo applications.
- **Mono audio:** Enable mono sound when you listen to audio with one earbud.
- **Tap and hold delay:** Set the recognition time for tapping and holding the screen.

Developer options

Change the settings for application development.

- **USB debugging:** Activate USB debugging mode to connect your device to a computer with a USB cable.
- **Development device ID:** View your device's development ID.
- **Allow mock locations:** Allow mock locations and service information to be sent to a Location Manager service for testing.
- **Desktop backup password:** Set a password to secure your backup data.
- **Strict mode:** Set the device to flash the screen when applications perform long operations.
- **Show pointer location:** Set to show the coordinates and traces of the pointer when you touch the screen.
- **Show touches:** Set to show the pointer when you touch the screen.
- **Show screen updates:** Set to flash areas of the screen when they are updated.

- **Show CPU usage:** Set to list all active processes.
- **Force GPU rendering:** Set to use 2D hardware acceleration to improve graphic performance.
- **Window animation scale:** Select a speed for opening and closing pop-up windows.
- **Transition animation scale:** Select a speed for switching between screens.
- **Do not keep activities:** Set to end a running application when you launch a new application.
- **Limit background processes:** Set 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

View information about your device, such as model number and version.



You can download and install firmware update with the firmware over-the-air (FOTA) service. To check for firmware updates, select **Software update** → **Update**.

Troubleshooting

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

Code	Try this to solve the problem:
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 Lock SIM card .
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's software is upgraded to the latest version.
- If the touch screen is scratched or damaged, take your device to a Samsung Service Centre.

Your device freezes or has fatal errors

If your device freezes or hangs, you may need to close applications or reset the device to regain functionality. If your device is still responsive and an application is frozen, close the application with the task manager. If your device is frozen and unresponsive, press and hold the Power key for 8-10 seconds.

If this problem persists, perform a factory data reset. In the application list, select **Settings** → **Back up and reset** → **Factory data reset** → **Reset device** → **Delete all**.

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 correct 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 correct 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 the battery to continue using the device.

The battery does not charge properly or the device turns off

If the battery will no longer charge completely, you need to replace it with a new battery. Take your device to your local Samsung Service Centre.

Your device is hot if touched

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. This is normal and should not affect your device's lifespan or performance.

Error messages appear when launching the camera

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

- Charge the battery.
- Free some memory by transferring files to a computer or deleting files from your device.
- Restart the device. If you are still having trouble with the camera 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 device for a number 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 feature is activated on your device.
- Ensure that the Bluetooth 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.

Safety information

To prevent injury to yourself and others, or damage to your device, read all of the following information before using your device.

Warning: Prevent electric shock, fire, and explosion

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

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

Do not bend or damage the power cord

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

Do not short-circuit the charger

Do not drop or cause an impact to the charger or the device

Do not charge the battery with chargers that are not approved by the manufacturer

Do not use your device during a thunderstorm

Your device may malfunction and your risk of electric shock is increased.

Handle and dispose of the device and chargers with care

- Use only Samsung-approved chargers specifically designed for your device. Incompatible chargers can cause serious injuries or damage to your device.
- Never dispose of devices in a fire. Follow all local regulations when disposing of used devices.
- Never place devices on or in heating devices, such as microwave ovens, stoves, or radiators. Batteries may explode when overheated.
- 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 and chargers from damage

- Avoid exposing your device to very cold or very hot temperatures.
- Extreme temperatures can damage the device and reduce the charging capacity and life of your device and batteries.
- Never use a damaged charger.

Caution: Follow all safety warnings and regulations when using your device in restricted areas

Do not use your device near other electronic devices

Most electronic devices use radio frequency signals. Your device may interfere with other electronic devices.

Do not use your device near a pacemaker

- Avoid using your device within a 15 cm range of a pacemaker, if possible, as your device can interfere with the pacemaker.
- To minimise possible interference with a pacemaker, use your device only on the side of your body that is opposite the pacemaker.

Do not use your device in a hospital or near medical equipment that can be interfered with by radio frequency

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.

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.

Turn off the device in potentially explosive environments

- 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.

Turn off your device when on an aircraft

Your device may interfere with the aircraft's electronic navigation instruments.

Your device may interfere with automotive equipment

Electronic devices in your car may malfunction, due to radio interference from your device. Contact the manufacturer for more information.

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.
- Use your device to call for help. Dial a local emergency number in the case of fire, traffic accidents, or medical emergencies.
- Use your device to help others in emergencies. If you see a car accident, a crime in progress, or a serious emergency where lives are in danger, call a local emergency number.
- Call roadside assistance or a special, non-emergency assistance number when necessary. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle that you know to be stolen, call a number that is designated for reporting these types of situations.

Proper care and use of your mobile device

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.

Do not use or store your device in dusty, dirty areas

Dust can cause your device to malfunction.

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. Use your device at temperatures from -20 °C to 45 °C

- Your device can explode if left inside a closed vehicle, as the internal temperature can reach up to 80 °C.
- 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 -20 °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.

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 carrying cases or accessories with magnetic closures or allow your device to come into contact with magnetic fields for extended periods of time.

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 drop your device or cause impacts to your device

- The screen of your device may be damaged.
- If bent or deformed, your device may be damaged or parts may malfunction.

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.

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.

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.

Ensure maximum battery and charger life

- Avoid charging batteries for more than a week, as overcharging may shorten battery life.
- Over time, unused batteries will discharge and must be recharged before use.
- Disconnect chargers from power sources when not in use.

Maximum battery life

This information is based on fully charged batteries.

Time ¹ \ Battery	Standard battery (xxxx mAh)	
	GSM	WCDMA
Standby time	up to xxx hours	up to xxx hours
Voice call time ²	up to xxxx minutes	up to xxxx minutes
Video call time	-	up to xxx minutes

Depending on how you use your device, actual operation time may vary and may be shorter than declared. Standby time will be reduced in the following conditions:

- When you use the additional features on your device such as writing and storing messages, playing games, and connecting to the internet
- If you are frequently out of the service area
- If you are out of the service area for a long period of time
- If you use Talk mode repeatedly

Use manufacturer-approved chargers, accessories, and supplies

- Using generic chargers may shorten the life of your device or cause the device to malfunction.
- Samsung cannot be responsible for the user's safety when using accessories or supplies that are not approved by Samsung.

Do not bite or suck the device

- Doing so may damage the device or cause an explosion.
- 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.

-
1. Battery life is affected by many conditions, including your usage habits and the condition of the battery. As a result, all talk times and standby times are estimates and cannot be guaranteed.
 2. Criterion for Measuring Time: The talk time is measured with an input level of +10 dBm, Voice Rate Half.

When speaking on the device:

- Hold the device upright, as you would with a traditional phone.
- Speak directly into the microphone.
- Do not touch the device's internal antenna. Doing so may result in reduced call quality or cause the device to emit unintended levels of radio frequency (RF) energy.

Protect your hearing and ears when using a headset



- Excessive exposure to loud sounds can cause hearing damage.
- Exposure to loud sounds while driving 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.

Use caution when using the device while walking or moving

Always be aware of your surroundings to avoid injury to yourself or others.

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 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 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.

When cleaning your device:

- Wipe your device or charger with a towel or an eraser.
- Do not use chemicals or detergents.

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.

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

Avoid disturbing others when using the device in public

Do not allow children to use your device

Your device is not a toy. Do not allow children to play with it as they could hurt themselves and others, damage the device, or make calls that increase your charges.

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.

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 or memory cards with care

- 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.

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.

Keep your personal and important data safe

- 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.

The names and content of toxic and hazardous substances or elements

Part	Toxic and hazardous substances or elements					
	Pb	Hg	Cd	Cr ⁶⁺	PBB	PBDE
PBA	X	O	O	O	O	O
Plastic	O	O	O	O	O	O
Metal	X	O	O	O	O	O
Battery	X	O	O	O	O	O
Accessory	X	O	O	O	O	O

- O: Indicates that the toxic or hazardous substance contained in all of the homogeneous materials for this part is below the limit specified in SJ/T11363-2006.
- X: Indicates that the toxic or hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit specified in SJ/T11363-2006.

The information provided in this table is based on figures presented by supply manufacturers and tests conducted by Samsung. All toxic and hazardous substances or elements are used at the minimum level allowed by current technology. Samsung continues to make every effort to reduce the need for these substances or elements through improved technology.



The “environmental protection use period” for this product is 20 years and the corresponding logo is as shown on the left. Exchangeable parts, such as batteries, may have different periods of warranty. The “environmental protection use period” is valid only when the product is used under normal conditions, as described in the manual.

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- Some contents in this manual may differ from your device depending on the software of the device or your service provider.
- The maximum SAR value of your device is 1.010W/kg (body) 0.516W/kg(head) for US band, and accords with the requirement of standard **GB 21288-2007**.

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Health and safety information

Exposure to Radio Frequency (RF) Signals

Certification Information (SAR)

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. government. These FCC exposure limits are derived from the recommendations of two expert organizations, the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy. The exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg). The FCC exposure limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

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

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

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

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

SAR information on this and other model phones can be viewed on-line at <http://www.fcc.gov/oet/ea/fccid/>. Please use the phone FCC ID number for

[search, A3LGTP3108](#). Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional product specific SAR information can also be obtained at www.fcc.gov/cgb/sar.

FCC Notice and Cautions

FCC Notice



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

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

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

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

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

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

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

Cautions

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

The use of any unauthorized accessories may be dangerous and void the phone warranty if said accessories cause damage or a defect to the phone. Although your phone is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending or sitting on it.

This device is capable of operating in 802.11a mode. For 802.11a 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 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.