SAMSUNG

GT-I9100
user manual

Using this manual

Thank you for purchasing 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 user manual has been specially designed to guide you through the functions and features of your device.

Read me first

- Please read all safety precautions and this manual carefully before using your device to ensure safe and proper use.
- The descriptions in this manual are based on the default settings of your device.
- Images and screenshots used in this user manual may differ in appearance from the actual product.
- Content in this user manual may differ from the product, or from software provided by service providers or carriers, and is subject to change without prior notice. Refer to www. samsung.com for the latest version of the user manual.
- Available features and additional services may vary by device, software, or service provider.
- Formatting and delivery of this user manual is based on Google Android operating systems and may vary depending on the user's operating system.
- Applications and their functions may vary by country, 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 may upgrade your mobile device's software by accessing www.samsung.com.
- Sound sources, wallpapers, and images provided in this device are licenced for limited use between Samsung and their respective owners. Extracting and using these materials for commercial or other purposes is an infringement of copyright laws. Samsung is not liable for such copyright infringement by the user.
- Please keep this manual for future reference.

Instructional icons

Before you start, familiarise yourself with the icons you will see 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 "see 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**)

[ ] **Square brackets**—device keys; for example: [▭] (represents the Menu key)

Copyright

Copyright © 2013 Samsung Electronics

This user manual is protected under international copyright laws.

No part of this user manual may be reproduced, distributed, translated, or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or storing in any information storage and retrieval system, without the prior written permission of Samsung Electronics.

Trademarks

- SAMSUNG and the SAMSUNG logo are registered trademarks of Samsung Electronics.

- The Android logo, Google™, Google Maps™, Google Mail™, YouTube™, Google Play™ Store, and Google Talk™ are trademarks of Google, Inc.

- Bluetooth® is a registered trademark of the Bluetooth SIG, Inc. worldwide.

- Windows Media Player® is a registered trademark of Microsoft Corporation.

- Wi-Fi®, Wi-Fi Protected Setup™, Wi-Fi Direct™, Wi-Fi CERTIFIED™, and the Wi-Fi logo are registered trademarks of the Wi-Fi Alliance.

- DivX®, DivX Certified® and associated logos are trademarks of Rovi Corporation or its subsidiaries and are used under licence.

- All other trademarks and copyrights are the property of their respective owners.

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.

ABOUT DIVX VIDEO-ON-DEMAND

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

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

May play DivX® video up to HD 1080p.

Contents

Assembling

Unpack

Check your product box for the following items:
- Mobile device
- Battery
- microSIM holder[1]
- 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 may vary depending on the software and accessories available in your region or offered by your service provider.
- You can obtain additional accessories from your local Samsung dealer.
- The supplied accessories perform best for your device.
- Accessories other than the supplied ones may not be compatible with your device.

1. The microSIM holder allows you to use a microSIM card, which is a smaller sized version of a standard SIM card, in your device. This accessory may be unavailable depending on your region.

Install the SIM or USIM card and battery

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.

To install the SIM or USIM card and battery,

1 If the device is on, press and hold the Power key and select **Power off** → **OK** to turn it off.
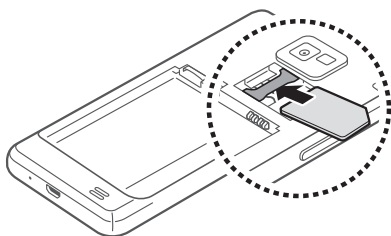
2 Remove the back cover.
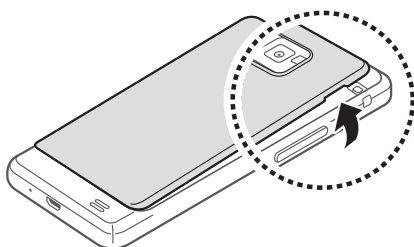
Be careful not to damage your fingernails when you remove the back cover.

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

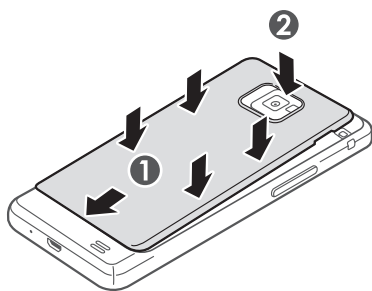*3* Insert the SIM or USIM card with the gold-coloured contacts facing down.

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.

4 Insert the battery.
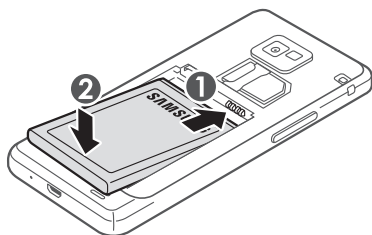
5 Replace the back cover.

Charge the battery

Before using the device for the first time or when the battery has been unused for an extended period, you must charge the battery. You can charge the battery with a travel adapter or by connecting the device to a computer with a USB cable.

Use only Samsung-approved chargers and cables. Unauthorised chargers or cables can cause batteries to explode or damage your device.

- When your battery is low, the device will emit a warning tone and display a low battery message. The battery icon ▮ will also be empty. If the battery level becomes too low, the device will automatically power off. Recharge your battery to continue using your device.

- If the battery is completely discharged, you cannot turn on the device, even with the travel adapter connected. Allow a depleted battery to charge for a few minutes before you try to turn on the device.

- If you use multiple applications at once, network applications, or applications that need a connection to another device, the battery will drain quickly. To avoid disconnecting from the network or losing power during a data transfer, always use these applications after fully charging the battery.

› **Charge with a travel adapter**

1 Plug the small end of the travel adapter into the multifunction jack.
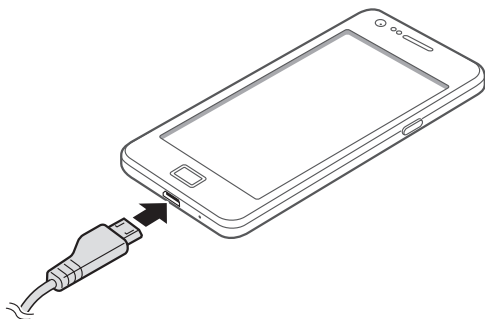
⚠ Connecting the travel adapter improperly may cause serious damage to the device. Any damage caused by misuse is not covered by the warranty.

2 Plug the large end of the travel adapter into an electrical socket.

✐
- You can use the device while it is charging, but it may take longer to fully charge the battery.

- While the device is charging, the touch screen may not function due to an unstable power supply. If this happens, unplug the travel adapter from the device.

- While charging, the device may heat up. This is normal and should not affect your device's lifespan or performance.

- If your device is not charging properly, bring your device and the charger to a Samsung Service Centre.

3 When the battery is fully charged (the battery icon is no longer moving), unplug the travel adapter from the device and then from the electrical socket.

Do not remove the battery before removing the travel adapter. Doing this may cause damage to the device.

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

About the battery charging icons
When you charge the battery while the device is off, the following icons will show the current battery charging status:
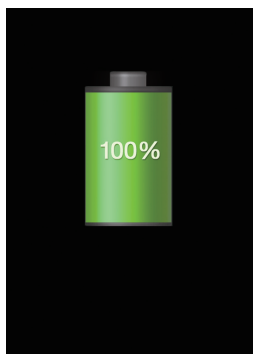
Charging   Fully charged

›› Charge with a USB cable

Before charging, ensure that your computer is turned on.

1 Plug the small end (micro-USB) of the USB cable into the multifunction jack.

2 Plug the large end of the USB cable into a USB port on a computer.

> Depending on the type of the USB cable you are using, it may take some time before charging begins.

3 When the battery is fully charged (the battery icon is no longer moving), unplug the USB cable from the device and then from the computer.

›› 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:

* Activate Power saving mode.
* 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 Wi-Fi feature.
* Deactivate auto-syncing of applications.
* Decrease the backlight time.
* Decrease the brightness of the display.

Insert a memory card

Your device accepts memory cards with maximum capacities of 32 GB. Depending on the memory card manufacturer and type, some memory cards may not be compatible with your device.

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 and can corrupt data stored on the card.

- Your device supports only the FAT file structure for memory cards. If you insert a 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 memory cards.

- When you insert a memory card into your device, the file directory of the memory card will appear in the extSdCard folder.

1 Remove the back cover and battery.

2 Insert a memory card with the gold-coloured contacts facing down.
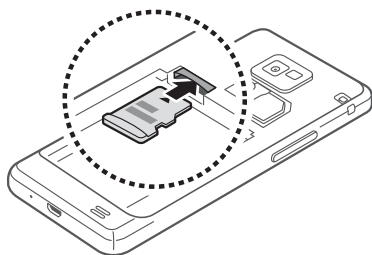
3 Push the memory card in the memory card slot until it locks in place.

4 Replace the battery and back cover.

› Remove the memory card

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

1 In the application list, select **Settings** → **Storage** → **Unmount SD card** → **OK**.

2 Remove the back cover and battery.

3 Push the memory card gently until it disengages from the device.

4 Pull the memory card out of the memory card slot.

5 Remove the memory card.

6 Replace the battery and back cover.

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 the 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** → **Erase everything**.

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

Attach a hand strap

1 Remove the back cover.

2 Slide a hand strap through the slot and hook it over the small projection.
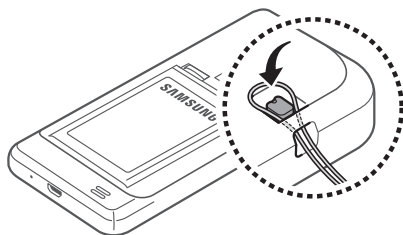
3 Replace the back cover.

Getting started

Turn your device on and off

To turn on your device,

1 Press and hold the Power key.

2 If you turn on your device for the first time, follow the on-screen instructions to set up your device.
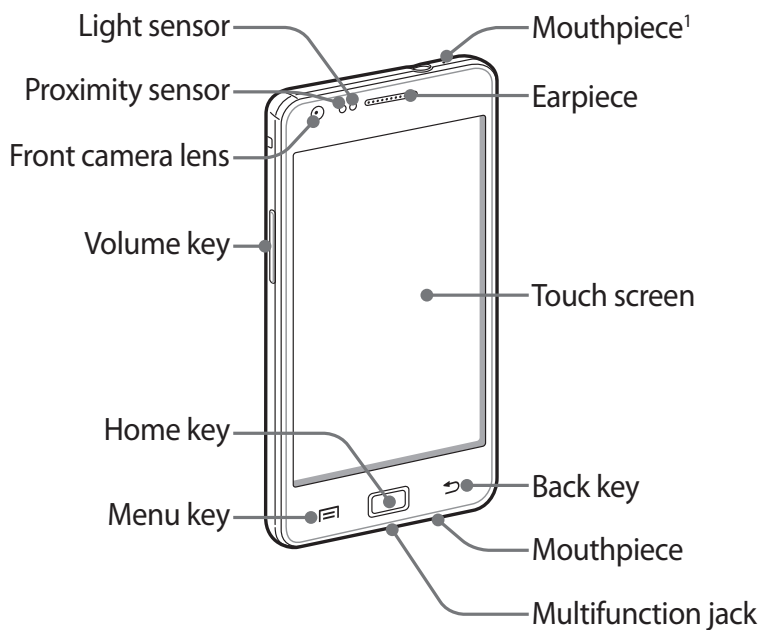
To turn off your device, press and hold the Power key and then select **Power off** → **OK**.

> • Follow all posted warnings and directions from official personnel when in areas where the use of wireless devices is restricted, such as aeroplanes and hospitals.
>
> • To use your device's non-network services only, switch to Flight mode. Press and hold the Power key and select **Flight mode**.

Get to know your device

› Device layout

Light sensor

Proximity sensor

Front camera lens

Volume key

Home key

Menu key

Mouthpiece[1]

Earpiece

Touch screen

Back key

Mouthpiece

Multifunction jack

---

1. Active only when you use the speakerphone feature or record videos.

Headset jack

Rear camera lens

Power/Reset/
Lock key

Internal antenna

Flashbulb

Back cover

Speaker
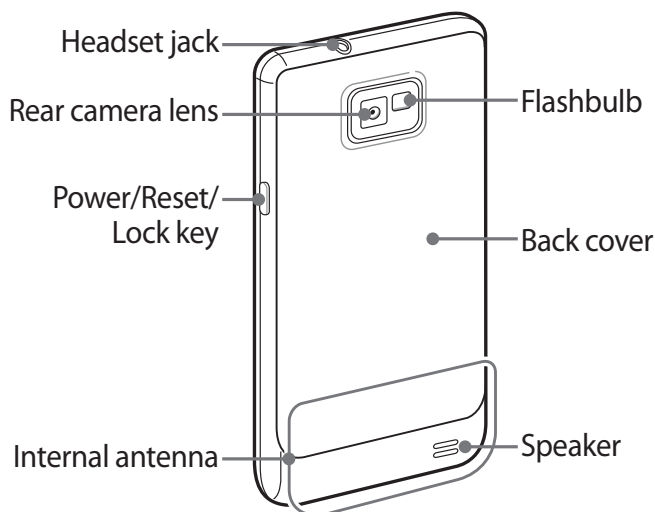
› **Keys**

Key		Function
	Power/ Reset[2]/ Lock	Turn on the device (press and hold); Access the quick menus (press and hold); Reset the device (press and hold for 8-10 seconds); Turn off and lock the touch screen or turn it on.
	Menu	Open a list of options available on the current screen; On the Home screen, open the search application (press and hold); Open the search input window while using some applications (press and hold).

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

Key		Function
□	Home	Return to the Home screen; Open the list of recent applications (press and hold).
⊃	Back	Return to the previous screen.
▯	Volume	Adjust the device's volume.

› Indicator icons

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

Icon	Definition
⊘	No signal
▦	Signal strength
G	GPRS network connected
E	EDGE network connected
3G	UMTS network connected
⚇	Open WLANs available
⬙	WLAN connected
⬙	Wi-Fi Direct connected
✳	Bluetooth activated
◇	GPS activated

Icon	Definition
📞	Call in progress
📞	Missed call
Ψ	Connected to computer
Ψ	USB tethering activated
📶	WLAN hotspot activated
🔳	No SIM or USIM card
✉	New text or multimedia message
✉@	New email message
✉	New voice mail message
⏰	Alarm activated
^{R}📶	Roaming (outside of normal service area)
🔇	Silent mode activated
📳	Vibration mode activated
✈	Flight mode activated
⚠	Error occurred or caution required
🔋	Battery power level

Use the touch screen

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

- Do not press the touch screen with your fingertips, or use sharp tools on the touch screen. Doing so may damage the touch screen or cause it to malfunction.
- 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.
- Leaving the touch screen idle for extended periods may result in afterimages (screen burn-in) or ghosting. Turn off the touch screen when you do not use the device.

- 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 of sharp tools, such as a stylus or pen.

Control your touch screen with the following actions:
- Tap: Touch once with your finger to select or launch a menu, option, or application.
- Tap and hold: Tap an item and hold it for more than 2 seconds to open a pop-up option list.
- Drag: Tap and drag your finger up, down, left, or right to move to items on lists.
- Drag and drop: Tap and hold your finger on an item, and then drag your finger to move the item.
- Double-tap: Tap twice quickly with your finger to zoom in or out while viewing photos or webpages.

> - Your device turns off the touch screen when you do not use the device for a specified period. To turn on the screen, press the Power key or the Home key.
> - You can also adjust the backlight time. In the application list, select **Settings** → **Display** → **Screen timeout**.

Lock or unlock the touch screen and keys

You can lock the touch screen and keys to prevent any unwanted device 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 or the Home key, and then flick your finger in any direction.

Get to know the Home screen

When the device is in Idle mode, you will see 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 a panel of the Home screen. You can also select a dot at the bottom of the screen to move to the corresponding panel of the Home screen directly.

› Use the notifications panel

To open the notifications panel, tap the indicator icons area and drag it downwards. To hide the panel, drag the bottom of the panel upwards.

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

- **Wi-Fi**: Activate or deactivate the Wi-Fi feature. ► p. 110
- **GPS**: Activate or deactivate the GPS feature.
- **Sound**: Activate or deactivate Silent mode. You can mute your device or set it to vibrate in Silent mode.
- **Screen rotation**: Allow or prevent the interface from rotating when you rotate the device.
- **Bluetooth**: Activate or deactivate the Bluetooth feature. ► p. 108
- **Mobile data**: Activate or deactivate the data connection.
- **Blocking mode**: Activate or deactivate Blocking mode. In Blocking mode, your device will block all notifications.

- **Power saving**: Activate or deactivate Power saving mode.
- **Sync**: Activate or deactivate auto-syncing of applications.

Ⓜ Available options may vary depending on your region or service provider.

› Change the Home screen mode

The Home screen has basic and easy modes. In easy mode, you can easily access your favourite contacts, applications, and settings by adding shortcuts to the Home screen.

To change the Home screen mode, in the application list, select **Settings** → **Home screen mode** → a mode.

› Move items on the Home screen

1 Tap and hold an item to move.

2 Drag the item to the location you want.

› Remove items from the Home screen

1 Tap and hold an item to remove.
The rubbish bin appears at the top of the Home screen.

2 Drag the item to the rubbish bin.

› Customise the quick access panel

You can customise the quick access panel at the bottom of the Home screen by adding or removing application shortcuts.

- To remove an application icon, tap and hold the icon, and then drag it to the rubbish bin.
- To add an application shortcut, tap and hold a new application shortcut on the Home screen, and then drag it to the empty location.

› Add or remove panels to the Home screen

You can add or remove panels of the Home screen to organise widgets according to your preferences and needs.

1 On the Home screen, press [▤] → **Edit page**.
You can also place your two fingers on the screen and pinch them together to switch to Edit mode.

2 Add or remove panels by using the following features:
- To remove a panel, tap and hold the thumbnail of a panel and drag it to the rubbish bin at the bottom of the screen.
- To add a new panel, select ⊕.
- To set the main panel of the Home screen, select ⌂.
- To change the order of the panels, tap and hold the thumbnail of a panel and drag it to the location you want.

3 When you are finished, press [↩].

› Use widgets

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

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

Add a widget to the Home screen

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.

Add a Settings shortcut to the Home screen

You can create shortcuts to frequently-used setting options on the Home screen.

1 In the application list, select **Widgets** to open the widget panel.

2 Tap and hold **Settings Shortcut**, and release it on the Home screen.

3 Select a setting option, such as Bluetooth or Wi-Fi.

Access applications

To access your device's applications,

1 On the Home screen, select **Apps** to access the application list.

2 Scroll left or right to another application screen.
You can also select a dot at the bottom of the screen to move to the corresponding main menu screen directly.

3 Select an application.

> • When you use applications provided by Google, you must have a Google account. If you do not have a Google account, sign up for a Google account.
>
> • You can add a shortcut to an application by tapping and holding the application icon from the application list. You can move the icon to the location you want on the Home screen.

4 Press [⇆] to return to the previous screen; Press the Home key to return to the Home screen.

	• If you rotate the device while using some features, the interface will automatically rotate as well. To prevent the interface from rotating, open the notifications panel and select **Screen rotation**.
	• While using the device, you can capture an image of a screen by pressing and holding the Home key and the Power key simultaneously. The image will be saved in **My Files** → **All files** → **sdcard0** → **Pictures** → **Screenshots**.

› Organise applications

You can reorganise the applications in the application list by changing their order or grouping them into categories to suit your preferences and needs.

1 In the application list, press [▤] → **Edit**.

2 Tap and hold an application.

3 Organise applications:
 • To move the application, drag it to a new location.
 • To add the application to a new folder, drag it to **Create folder**.
 • To move the application to a new panel, drag it to **Create page**.
 • To uninstall the application, drag it to **Uninstall**.

	When you drag the application icon to **App info**, you can view information about the application.

4 Select **Save**.

› **Access recent applications**

1 Press and hold the Home key to open the list of applications you have accessed recently.

2 Select an application to access.

› **Use the task manager**

Your device is a multitasking device. It can run more than one application at the same time. However, multitasking may cause hang-ups, freezing, memory problems, or additional power consumption. To avoid these problems, end unnecessary programs using the task manager.

1 Press and hold the Home key, and then select 〉→ **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 customising it to match your preferences.

› **Set the current time and date**

1 In the application list, select **Settings** → **Date and time**.

2 Set the time and date and change other options.

› Change the display language

1 In the application list, select **Settings** → **Language and input** → **Language**.

2 Select a language.

› Turn on or off the touch tone

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 the silent mode

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

- Open the notifications panel from the top of the screen and select **Sound**.
- Press and hold the Power key and select **Mute** or **Vibrate**.
- In the application list, select **Phone** → **Keypad**, and then tap and hold # ◁.

› Change your ringtone

1 In the application list, select **Settings** → **Sound** → **Device ringtone**.

2 Select a ringtone from the list and select **OK**.

› Select a wallpaper for the Home screen

1 In the application list, select **Settings** → **Display** → **Wallpaper** → **Home screen**.

2 Select an image folder → an image.

3 Select **Done** or **Set wallpaper**.

Samsung is not responsible for any use of default images or wallpapers provided on your device.

› Change the display font

1 In the application list, select **Settings** → **Display** → **Font style**.

2 Select a font → **Yes**.

› 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**.

› Set a screen lock

You can lock the touch screen by activating the screen lock feature. Your device will require the unlock code each time you turn on the device or unlock the touch screen.

> • If you forget your unlock code, bring your device to a Samsung Service Centre to reset it.
>
> • Samsung is not responsible for any loss of security codes or private information or other damages caused by illegal software.

Set a motion unlock

In the application list, select **Settings** → **Lock screen** → **Screen lock** → **Motion** → **OK**. To unlock the screen with the motion unlock, tap and hold a point on the screen, and then tilt the device forwards.

Set a face detection unlock

1 In the application list, select **Settings** → **Lock screen** → **Screen lock** → **Face unlock**.

2 Select **Next** → **Set it up** → **Continue**.

3 Adjust the device to fit your face inside the figure.

4 When your face is captured correctly, select **Continue**.

5 Complete the setup of the secondary unlock PIN or pattern.

Set an unlock pattern

1 In the application list, select **Settings** → **Lock screen** → **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.

If you forget your unlock pattern, you can deactivate the screen lock feature with a backup PIN.

Set an unlock PIN

1 In the application list, select **Settings** → **Lock screen** → **Screen lock** → **PIN**.

2 Enter a new PIN (numeric) and select **Continue**.

3 Enter the PIN again and select **OK**.

Set an unlock password

1 In the application list, select **Settings** → **Lock screen** → **Screen lock** → **Password**.

2 Enter a new password (alphanumeric) and select **Continue**.

3 Enter the password again and select **OK**.

› Lock your SIM or USIM card

You can lock your device by activating the PIN supplied with your SIM or USIM card.

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

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

Once the PIN lock is enabled, you must enter the PIN each time you turn on the device.

> • If you enter an incorrect PIN several 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, contact your service provider.

› Activate the Find my mobile feature

When someone inserts a new SIM or USIM card in your device, the Find my mobile feature will automatically send the contact number to specified recipients to help you locate and recover your device.

To use this feature, you need a Samsung account for controlling the device from the web remotely.

1 In the application list, select **Settings** → **Security** → **SIM Change Alert**.

2 Select **Sign in**.

To create a Samsung account, select **Create new account**.

3 Enter the email address and password for your Samsung account, and then select **Sign in**.

4 Drag the **SIM Change Alert** switch to the right.

5 Select **Alert message**.

6 Enter the text message that will be sent to the recipients and select **OK**.

7 Add recipients:
- Select **Create** and enter phone numbers manually, including the country code and the + symbol.
- Select phone numbers from your contact list by selecting **Contacts**.

8 Select **Save**.

Enter text

You can enter text by speaking words into the microphone, or by selecting characters on the virtual keypad.

⚠ You cannot enter text in some languages. To enter text, you should change the writing language to one of the supported languages.

› Change the text input method

1 From a text field, tap the indicator icons area and drag it downwards to open the notifications panel.

2 Select **Choose input method** → a text input method.

› Enter text with the Google voice input feature

1 Speak your text into the microphone.

2 When you are finished, select ▦.

⚠ To add input languages for voice recognition, select the language → **Add more languages**.

› Enter text using the Samsung keypad

1 From a text field, tap the indicator icons area and drag it downwards to open the notifications panel.

2 Select **Choose input method** → **Set up input methods**, and then select ⚙ next to **Samsung keyboard** → **Portrait keyboard types** → a keypad type.

3 Enter text by selecting alphanumeric keys.

⚠ When entering text, rotate the device to view the QWERTY keypad in widescreen. Select the virtual keys as necessary to enter your text.

You can also use the following keys:

Number	Function
❶	Change case.
❷	Switch between Symbol/Number mode and ABC mode.
❸	Access the keypad settings; Enter text by voice, or access the clipboard (tap and hold).
❹	Clear your input.
❺	Start a new line.
❻	Insert a full stop; Open the symbol panel (tap and hold).
❼	Insert a space.

When Predictive text (XT9) mode is activated, you can use continuous input, which allows you to enter text by sweeping on the keypad. ► p. 140

When entering text with the 3x4 keypad, you can use the following modes:

Mode	Function
ABC	1. Select ⬛ to switch to ABC mode. 2. Select a corresponding virtual key until the appropriate character appears.
Number	1. Select ⬛ to switch to Number mode. 2. Select a number. ⬛ You can enter numbers by tapping and holding a virtual key in ABC mode.
Symbol	1. Select ⬛ to switch to Symbol mode. 2. Select ◀ or ▶ to scroll to a symbol set. 3. Select a symbol.

› Enter text using the Swype keyboard

1 Select the first character of a word and drag your finger to the second character without releasing the finger from the screen.

2 Continue until you have finished the word.
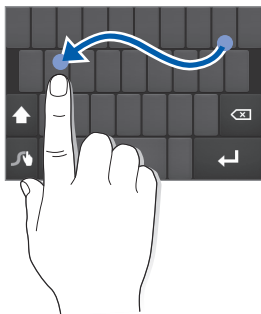
3 Release the finger on the last character.

4 When the word displays correctly, select ⌨ to insert a space. If the correct word does not display, select an alternative word from the list that appears.

5 Repeat steps 1-4 to complete your text.

> • You can also tap the keys to enter text.
> • You can tap and hold a key to enter characters on the upper half of the key. When you tap and hold a key until the character list appears, you can enter special characters and symbols.

You can also use the following keys:
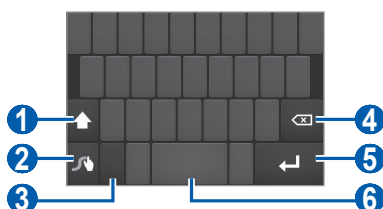
Number	Function
1	Change case.
2	Show the alternative word list for the selected characters; Access the keypad settings (tap and hold).
3	Switch between Symbol/Number mode and ABC mode.
4	Clear your input.
5	Start a new line.
6	Insert a space.

› Copy and paste text

While you are entering text, you can use the copy and paste feature to use text in other applications.

1 Tap and hold a passage of text.

2 Drag ◢ or ◣ to select the text to be copied.

3 Select ▤ to copy, or ✄ to cut the text onto the clipboard.

4 In another application, place the cursor where you want to paste the text.

5 Select ⌂ → **Paste** to insert the text from the clipboard into the text field.

Download applications from Play Store

Based on the Android platform, your device's functionality can be extended by installing additional applications.

Play Store provides you an easy and quick way to shop for games and mobile applications.

> • This feature may be unavailable depending on your region or service provider.
> • Your device will save user files from downloaded applications to the internal memory. To save the files to the memory card, connect your device to a computer and copy them to memory card.

› Install an application

1 In the application list, select **Play Store**.

2 Search for an application and download it to the device.

› Uninstall an application

1 In the application list, press [▤] → **Uninstall**.

2 Select ⊖ on an application icon and then select **OK**.

> You can uninstall only the applications that you have downloaded.

Download files from the web

When you download files or web applications from the web, your device saves them in a memory card.

> Files you download from the web can include viruses that will damage your device. To lessen your 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.

To download files from the web,

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

2 Search for an application and download it to the device.

To install applications downloaded from websites other than Play Store, you must select **Settings** → **Security** → **Unknown sources** → **OK**.

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.

›› Make and answer a call

You can use the buttons or the touch screen when you make, accept, end or reject calls.

> • When you turn on the proximity sensor, your device automatically turns off and locks the touch screen to prevent accidental inputs when you hold the device near your face. ► p. 52
> • 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 enter an area code and a phone number.

2 Select to make a voice call.
   For a video call, select .

3 To end the call, select **End call**.

> • Use the phonebook to save numbers you dial frequently. ► p. 87
> • To quickly access the call log to redial the numbers you dialled recently, select **Phone** → **Logs**.

Answer a call

1 When a call comes in, select 📞 and then drag your finger outside of the large circle.

> When the device is ringing, press the Volume key to mute the ringtone.

2 To end the call, select **End call**.

Reject a call

When a call comes in, 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. 51

Call an international number

1 In the application list, select **Phone** → **Keypad**, and tap and hold `0  +` to insert the + character.

2 Enter a complete number (country code, area code and phone number).

3 Select 📞 to dial the number.

› Use a headset

By plugging a headset into the device, you can answer and control calls hands-free:

- 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 during a 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 while a voice call is in progress:

- To adjust the voice volume, press the Volume key up or down.
- To place a call on hold, select ▐▐. To retrieve a held call, select ▶.
- To dial a second call, select **Add call** and then dial a new number.
- To answer a second call, select 📞 and then drag your finger outside of the large circle when a call waiting tone sounds. The device asks whether to end or hold the first call. You must subscribe to the call waiting service to use this feature.
- To open the dialling screen, select **Keypad**.
- 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 listen and talk to the other party via a Bluetooth headset, select **Headset**.
- To open the phonebook, press [▤] → **Contacts**.
- To add a memo, press [▤] → **Memo**.
- To switch between the two calls, select **Swap**.
- To make a multiparty call (conference call), make or answer a second call and select **Merge** when connected to the second party. Repeat to add more parties. You must subscribe to the multiparty call service to use this feature.

› Use options during a video call

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

- To switch between the front and rear camera lens, select **Switch Camera**.
- To turn off the microphone so that the other party cannot hear you, select **Mute**.
- To hide your image from the other party, press [⊟] → **Hide me**.
- To select an alternative image to be shown to the other party, press [⊟] → **Outgoing image**.
- To open the dialling screen, press [⊟] → **Keypad**.
- To listen and talk to the other party via a Bluetooth headset, press [⊟] → **Switch to headset**.
- To activate the speakerphone feature, press [⊟] → **Speaker On/Off**.
- To use the other party's image, tap and hold the other party's image. You can capture an image of the screen or record the video call.

› View and dial missed calls

Your device will display calls you have missed on the display. To dial the number of a missed call, open the notifications panel and select the missed call.

› Set auto rejection

Use auto rejection to reject calls from certain numbers automatically.

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

2 Press [⊟] → **Call settings** → **Call rejection**.

3 Drag the **Auto reject mode** switch to the right.

4 Select **Auto reject mode** → an option.

Option	Function
All numbers	Reject all calls.
Auto reject numbers	Reject calls from phone numbers on the auto reject list.

5 Select **Auto reject list**.

6 Select **Create**.

7 Enter a number and select **Save**.
You can set the criteria for the number.

8 To add more numbers, repeat steps 6-7.

› Use Fixed Dialling Number (FDN) mode

In FDN mode, your device will restrict outgoing calls, except for the numbers stored in the FDN list. To activate FDN mode,

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

2 Press [▤] → **Call settings** → **Additional settings** → **Fixed Dialling Numbers**.

3 Select **Enable FDN**.

4 Enter the PIN2 supplied with your SIM or USIM card and select **OK**.

5 Select **FDN list** and add contacts.

› Set call forwarding

Call diverting is a network feature to send incoming calls to another number that you specify. You can set this feature separately for several conditions when you are not able to answer calls, such as when you are already on the phone or when you are outside of the service area.

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

2 Press [▤] → **Call settings** → **Call forwarding** → a call type.

3 Select a condition.

4 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 to restrict certain types of calling or to prevent others from making calls with your device.

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

2 Press [▤] → **Call settings** → **Additional settings** → **Call barring** → a call type.

3 Select a call barring option.

4 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 to alert you of an incoming call while you are on a previous call. This feature is available only for voice calls.

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

2 Press [▤] → **Call settings** → **Additional settings** → **Call waiting**.
Your setting will be sent to the network.

› View call logs

You can view logs of your calls filtered by their types.

1 In the application list, select **Phone** → **Logs**.

2 Press [≡] → **View by** → an option to sort the call logs.

> From the call logs, you can make a call or send a message directly to a contact by quickly flicking the contact to the left or right.

3 Select a log to view its details.

> From the detail view, you can dial the number, send a message to the number or add the number to the phonebook or black list.

› Customise call settings

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

2 Press [≡] → **Call settings**.

3 Change the following options:

Option	Function
Call rejection	Set to reject calls from specified phone numbers automatically. You can add phone numbers to the auto reject list.
Set reject messages	Add or edit the message that will be sent when you reject a call.
Ringtones and keypad tones → Device ringtone	Select a ringtone to alert you to incoming calls.

Option	Function
Ringtones and keypad tones → Device vibration	Add or select a vibration pattern.
Ringtones and keypad tones → Vibrate when ringing	Set the device to vibrate and ring to alert you to incoming calls.
Ringtones and keypad tones → Keytones	Set the device to sound when you enter numbers on the dialling screen.
Call alert → Call vibrations	Set the device to vibrate when the other party answers or ends a call.
Call alert → Call status tones	Set the device to alert you to the call status during a call.
Call alert → Alerts on call	Set the device to alert you to events during a call.
Answering/ending calls → The home key answers calls	Set to answer calls by pressing the Home key.
Answering/ending calls → The power key ends calls	Set to end a call when you press the Power key.
Turn off screen during calls	Set to turn on the proximity sensor during a call.

Option	Function
Call accessories → Automatic answering	Set whether or not the device answers calls automatically after a specified period (available only when a headset is connected).
Call accessories → Automatic answering timer	Select the length of time that the device waits before answering calls.
Call accessories → Outgoing call conditions	Set to allow outgoing calls with a Bluetooth headset, even when your device is locked.
Call accessories → Outgoing call type	Select the type of outgoing calls to make you use a Bluetooth headset.
Increase volume in pocket	Set the device to raise the ringtone volume when the device is in an enclosed, such as a bag or pocket.
Call forwarding	Set to send incoming calls to a specified number.
Additional settings → Caller ID	Display your caller ID to other parties for outgoing calls.
Additional settings → Call barring	Set to restrict calls by call type.

Option	Function
Additional settings → Call waiting	Set the device to alert you to incoming calls during a call.
Additional settings → Auto redial	Set to automatically redial a call that was not connected or that was cut off.
Additional settings → Noise reduction	Set to remove background noise so that the other party can hear you more clearly.
Additional settings → Fixed Dialling Numbers	Activate FDN mode to prevent calls to phone numbers that are not in the FDN list on the SIM or USIM card.
Additional settings → Auto area code	Set to insert a prefix (area or country code) automatically before a phone number.
Video call image	Select an alternative image to be shown to the other party.
Use call fail options	Set to attempt a voice call when a video call fails to connect.
Voicemail service	Select a voicemail service provider.
Voicemail settings	Enter the voicemail server number. You can obtain this number from your service provider.

Option	Function
Ringtone	Select a ringtone to alert you to new voicemails.
Vibrate	Set the device to vibrate when voicemails are received.
Accounts	Set to accept IP calls and set up your accounts for IP call services.
Use Internet calling	Set whether to use IP call services for all calls or only for IP calls.

Messaging

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

You may incur additional charges for sending or receiving messages while 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 of your message.
   - Enter phone numbers manually, separating them with a semicolon or a comma.
   - Select phone numbers from the lists by selecting ▣.

3 Select the text field and enter your message text.
   To insert emoticons, press [▤] → **Insert smiley**.

4 Select ◰ to send the message.

› Send a multimedia message

1 In the application list, select **Messaging** → ⟍.

2 Add recipients of your message.
- Enter phone numbers or email addresses manually, separating them with a semicolon or a comma.
- Select phone numbers or email addresses from the lists by selecting ⊡ .

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

3 Press [▤] → **Add subject** and add a subject for the message.

4 Select the text field and enter your message text. To insert emoticons, press [▤] → **Insert smiley**.

5 Select ⬚ and add an item. You can select a file from the file list or create a new photo, video, or sound.

6 Select ⬚ to send the message.

› View a text or multimedia message

1 In the application list, select **Messaging**. Your messages are grouped into message threads by contact, like a messenger.

2 Select a message thread.

3 Select a message to view the details.

› **Listen to voice mail messages**

If you have set missed calls to be diverted to the voice mail server, callers may leave voice messages when you do not answer incoming calls. To access your voice mail inbox and listen to voice mail messages,

1 In the application list, select **Phone** → **Keypad**, and then tap and hold ▮1 ▯.

2 Follow the instructions from the voice mail server.

> You must save the voice mail server number before accessing the server. Your service provider can give you the number.

Google Mail

You can retrieve new email messages from Google Mail™ to your Inbox. When you access this application, the Inbox screen appears.

> • This feature may be unavailable depending on your region or service provider.
> • This Google Mail menu may be labelled differently depending on your service provider.

› **Send an email message**

1 In the application list, select **Google Mail** → ▮.

2 Enter a name or address in the recipient field.

3 Enter a subject and message.

4 To attach a file, press [≡] → **Attach picture** or **Attach video** → a file.

5 Select ➤ to send the message.

📝 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 email messages

1 In the application list, select **Google Mail**.

2 Select an email message.

From the message view, use the following options:

- To mark the message as important, select ⭐.
- To reply to the message, select ↩.
- To reply to the message including all recipients, select ▤ → **Reply all**.
- To forward the message to other people, select ▤ → **Forward**.
- To view an attachment, select a thumbnail, or select ▤ → **Preview**. To save it to your device, select ▤ → **Save**.
- To archive the message, select ▭.
- To delete the message, select 🗑.
- To add a label to the message, select 🏷.
- To mark the message as unread, select ✉.
- To move to the previous or next message, scroll left or right.
- To mark the message as important, press [≡] → **Mark as important**.
- To hide the message, press [≡] → **Mute**. To view hidden messages, select 🏷 → **All mail** from the label list.

- To add the message to the spam list, press [▤] → **Report spam** or **Report phishing**.
- To change the email settings, press [▤] → **Settings**.

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 Enter your email address and password.

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

4 Follow the on-screen instructions.

When you are finished setting up the email account, the email messages are downloaded to your device. If you have created more than two accounts, you can switch between email accounts; Select an account name and select one you want to retrieve messages from.

›› Send an email message

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

2 Add recipients of your message.
- Enter email addresses manually, separating them with a semicolon or a comma.
- Select email addresses from the lists by selecting 👤.
- To add more recipients, press [▤] → **Add Cc/Bcc**.

3 Select the subject field to enter a subject.

4 Select the text input field to enter your email text.

5 Select 🖉 and attach a file.

> You cannot attach Digital Rights Management (DRM)-protected files.

6 Select ✉ to send the message.
To send the message at a specified time and date, press [▤] → **Schedule sending**.

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

› View an email message

When you open an email account, you can view previously retrieved emails offline or connect to the email server to view new messages. After retrieving email messages, you can view them offline.

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, scroll right or left.
- To reply to the message, select 🔙.
- To forward the message to other people, select ➡.
- To delete the message, select 🗑.
- To mark the message as important, select ⭐.
- To mark the message as unread, press [▤] → **Mark as unread**.
- To move the message to another folder, press [▤] → **Move**.

- To save the message to your device, press [≡] → **Save email**. The message will be saved in **My Files** → **All files** → **sdcard0** → **Saved Email**.
- To print the message via Wi-Fi or USB, press [≡] → **Print**. Your device is compatible only with some Samsung printers.
- To create a new message, press [≡] → **Compose**.
- To change the font size, press [≡] → **Font size**.
- To filter messages from the sender, press [≡] → **Set as priority sender**. You can read messages from the sender in the specified inbox.
- To change the email settings, press [≡] → **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.

Talk

Learn to chat with friends and family via Google Talk™.

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

› **Set your status**

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

2 Select a Google account.

3 Select your name at the top of your friend list.

4 Customise your status, image, and message.

› Add friends to your friend list

1 In the application list, select **Talk** → ⬚.

2 Enter an email address of the friend and select **DONE**.

When your friend accepts the invitation, the friend is added to your friend list.

› Start a chat

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

2 Select a friend from the friend list. The chat screen opens.

3 Enter and send your message.

4 To end the chat, press [▤] → **End chat**.

ChatON

Learn to use ChatON to send and receive instant messages from any device via mobile network or Wi-Fi.

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

> If you are launching this application for the first time, follow the on-screen instructions to complete the account setup.

2 Enter and send your message.

Messenger

Learn to send and receive instant messages to friends and family with the Google+ messenger instant messaging service.

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

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

If you are launching this application for the first time, follow the on-screen instructions to complete the account setup.

2 Enter and send your message.

Google+

Learn to access the Google's social network service. You can create groups to share interests and thoughts or send and receive instant messages, and upload your photos.

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

1 In the application list, select **Google+**.

If you are launching this application for the first time, follow the on-screen instructions to complete the account setup.

2 Select a social network feature.

Entertainment

Camera

Learn how to capture and view photos and videos.

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

› Capture a photo

1 In the application list, select **Camera** to turn on the camera.

2 Aim the lens at the subject and make any necessary adjustments.

Number	Function
❶	Change the camera settings.
❷	Open the image viewer to view photos you captured.
❸	Capture a photo.
❹	Use camera shortcuts. • ⚹ : Change the effect mode. • ▢ : Change the shooting mode. ► p. 67 • ⚡ : Change the flash setting. • 📷 : Switch between the front and rear camera lenses. You can add or remove shortcuts to frequently used options. ► p. 72
❺	View the storage location.
❻	Switch to the camcorder.

3 Press the Volume key to zoom in or out.
You can also tap the screen with two fingers and spread them apart (move your fingers closer together to zoom out).

> The zoom function may be unavailable when shooting in the highest resolution.

4 Tap where you want to focus on the preview screen.
The focus frame moves to the place you tap and changes to green when the subject is in focus.

5 Select 📷 to take a photo.
The photo is saved automatically.

After taking photos, select the image viewer icon to view the taken photos.

- To view more photos, scroll left or right.
- To zoom in or out, place two fingers on the screen and spread them apart (move your fingers closer together to zoom out) or double-tap the screen.
- To send the photo to others, select [icon].
- To start a slide show, select [icon] → **Start slideshow**. Tap the screen to stop the slide show.
- To delete the photo, press [≡] → **Delete**.
- To register the faces in the photo as face tags, press [≡] → **Face tag**. ▶ p. 77
- To add the photo to the clipboard, press [≡] → **Copy to clipboard**.
- To rotate the photo anti-clockwise, press [≡] → **Rotate left**.
- To rotate the photo clockwise, press [≡] → **Rotate right**.
- To crop a section from the photo, press [≡] → **Crop**.
- To edit the photo with the image editor, press [≡] → **Edit**.
- To set the photo as your wallpaper or a contact image, press [≡] → **Set as**.
- To send the photo to a person whose face is tagged in the photo, press [≡] → **Buddy photo share**.
- To print the photo via Wi-Fi or USB, press [≡] → **Print**. Your device is compatible only with some Samsung printers.
- To rename the photo file, press [≡] → **Rename**.
- To search for devices that have media sharing activated, press [≡] → **Scan for nearby devices**.
- To view photo details, press [≡] → **Details**.

› Change the shooting mode

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

Option	Function
Face detection	Set the device to recognise people's faces and help you take photos of them.
Panorama	Take panoramic photos.
Beauty	Hide facial imperfections.
Smile shot	Set the device to recognise people's faces and help you take photos of them when they smile.
Cartoon	Take photos with cartoon effects.

› 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	Switch between the front and rear camera lenses.
Flash	Change the flash setting; You can manually turn the flash on or off, or set the camera to automatically use the flash when needed.
Shooting mode	Change the shooting mode. ► p. 67
Effects	Apply a special effect, such as sepia or black and white tones.
Scene mode	Change the scene mode.

Option	Function
Exposure value	Adjust the exposure value.
Focus mode	Take close-up photos or set the camera to focus on the subject or focus on human faces automatically.
Timer	Select the length of the delay before the camera takes a photo.
Resolution	Change the resolution option.
White balance	Adjust the colour balance according to lighting conditions.
ISO	Adjust the sensitivity of the camera imaging sensor.
Metering	Select a type of exposure metre.
Outdoor visibility	Activate Outdoor visibility to select an appropriate lighting condition.
Auto contrast	Automatically adjust contrast between your subject and background.
Guidelines	Display the guidelines on the preview screen.
Anti-Shake	Reduce blur caused by the device's vibration or movement.
GPS tag	Set the camera to include location information for your photos. To use this feature, you must activate location services. ► p. 120

Option	Function
Save as flipped	Set the camera to flip the image automatically when you take a photo with the front camera lens.
Image quality	Set the quality level for your photos.
Storage	Select a memory location for storing captured photos.
Reset	Reset menus and shooting options.

› Record a video

1 In the application list, select **Camera** to turn on the camera.

2 Drag the slider to the camcorder to switch to the camcorder.

3 Aim the lens at the subject and make any necessary adjustments.

Number	Function
1	Change the camcorder settings.
2	Open the image viewer to view videos you recorded.
3	Record a video.
4	Use camcorder shortcuts. • 🌟 : Change the effect mode. • 📷 : Change the recording mode (for attaching to a multimedia message or for saving normally). • ⚡ : Change the flash setting. • 🔄 : Switch between the front and rear camera lenses. You can add or remove shortcuts to frequently used options. ► p. 72
5	View the storage location.
6	Switch to the camera.

4 Press the Volume key to zoom in or out.

You can also tap the screen with two fingers and spread them apart (move your fingers closer together to zoom out).

> The zoom function may be unavailable when recording in the highest resolution.

5 Select ⬤ to start recording.

6 Select ◻ to stop recording.

The video is saved automatically.

> The camcorder may not be able to properly record videos to a memory card with a slow transfer speed.

After recording videos, select the image viewer icon to view the recorded videos.

- To view more videos, scroll left or right.
- To play a video, select ▶.
- To send a video to others, select ◀.
- To start a slide show, select ▶ → **Start slideshow**. Tap the screen to stop the slide show.
- To delete a video, press [☰] → **Delete**.
- To rename a video file, press [☰] → **Rename**.
- To view video details, press [☰] → **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.
Flash	Change the flash setting; You can manually turn the flash on or off.
Recording mode	Change the recording mode.
Effects	Apply a special effect, such as sepia or black and white tones.
Exposure value	Adjust the exposure value.
Timer	Select the length of the delay before the camera starts recording a video.
Resolution	Change the resolution option.

Option	Function
White balance	Adjust the colour balance according to lighting conditions.
Outdoor visibility	Activate Outdoor visibility to select an appropriate lighting condition.
Guidelines	Display the guidelines on the preview screen.
Save as flipped	Set the camera to flip the image automatically when you record a video with the front camera lens.
Video quality	Set the quality level for your videos.
Storage	Select a memory location for storing recorded videos.
Reset	Reset menus and shooting options.

› Edit the shortcut icons

You can add or remove shortcuts to frequently used options.

1 From the preview screen, press [▤] → **Edit shortcuts** or select ⚙ → **Edit shortcuts**.

2 Tap and hold an icon from the option list and drag it to the shortcut area.

To remove shortcuts, tap and hold an icon and drag it to the option list.

3 Press [↰] to return to the preview screen.

Video Player

Learn to use the video player to play various kinds of videos.

> 📝 • Some file formats are not supported depending on the software of the device.
> • If the file size exceeds the available memory, an error can occur when you open files.
> • 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 to play.

3 Control playback with the following icons:
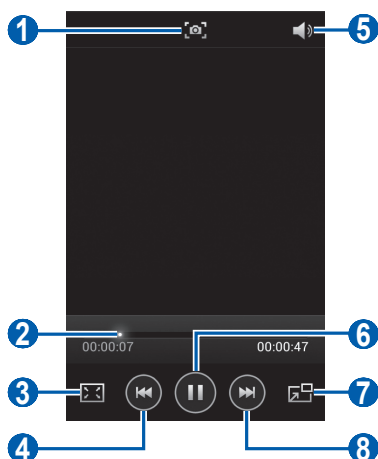
Number	Function
1	Capture an image.
2	Scan forwards or backwards in the file by dragging or tapping the bar.
3	Change the ratio of the video screen.
4	Restart playback; Skip to the previous file (tap within 3 seconds); Scan backwards in the file (tap and hold).
5	Adjust the volume.
6	Pause playback; Select to resume playback.
7	Switch to the floating screen mode. To return to the full screen mode, double-tap the video screen.
8	Skip to the next file; Scan forwards in the file (tap and hold).

During playback, you can use the following options:

- To search for devices that have media sharing activated, press [≡] → **Scan for nearby devices**.
- To send the video to others or share it, press [≡] → **Share via**.
- To trim a segment of the video, press [≡] → **Trim**.
- To listen to audio via a Bluetooth headset, press [≡] → **Via Bluetooth**. You cannot use this option if you connect a headset to your device's headset jack.
- To set the video player to turn off automatically after a specific period of time, press [≡] → **Video auto off**.
- To change the video player settings, press [≡] → **Settings**.
- To view video details, press [≡] → **Details**.

› Customise video player settings

1 During playback, press [▤] → **Settings**.

2 Change the following options:

Option	Function
Auto play next	Set the video player to play the next file automatically.
SoundAlive	Select a sound effect.
Subtitles	Customise the settings for a subtitle file.
Colour tone	Select a colour tone.
Outdoor visibility	Set to improve the contrast of the display in bright sunlight.

Gallery

Learn to view photos and play videos saved in your device's memory and memory card.

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

› View a photo

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

2 Select a folder.

3 Select a photo (with no icon) to view.

While viewing a photo, use the following options:

- To view more photos, scroll left or right.
- To zoom in or out, tap the screen with two fingers and spread them apart (move your fingers closer together to zoom out).

    If you activated tilting motions, you can zoom in or out by tapping and holding two points with your fingers and then tilting the device back and forth.

- To send the photo to others, select .
- To start a slide show, select → **Start slideshow**. Tap the screen to stop the slide show.
- To delete the photo, press [ ] → **Delete**.
- To register the faces in the photo as face tags, press [ ] → **Face tag**. ► p. 77
- To add the photo to the clipboard, press [ ] → **Copy to clipboard**.
- To rotate the photo anti-clockwise, press [ ] → **Rotate left**.
- To rotate the photo clockwise, press [ ] → **Rotate right**.
- To crop a section from the photo, press [ ] → **Crop**.
- To edit the photo with the image editor, press [ ] → **Edit**.
- To set the photo as your wallpaper or a contact image, press [ ] → **Set as**.

- To send the photo to a person whose face is tagged in the photo, press [▣] → **Buddy photo share**.
- To print the photo via Wi-Fi or USB, press [▣] → **Print**. Your device is compatible only with some Samsung printers.
- To rename the photo file, press [▣] → **Rename**.
- To search for devices that have media sharing activated, press [▣] → **Scan for nearby devices**.
- To view photo details, press [▣] → **Details**.

The options available may vary depending on the selected folder.

› Tag a face in an image

Learn to tag faces in your images to make calls, send messages, and upload messages to social networks with the face tag shortcuts.

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

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

2 Select an image.

3 Press [▣] → **Face tag** → **On**.
Recognised faces appear in the frame. If faces are not recognised automatically, tap and hold a face area to add a frame manually.

4 Select a recognised face → **Add name**.

5 Select the person's name from the contact list.
The contact is linked to the face in the image.

When the face tag appears with a name, select the face tag and use the available options.

› Play a video

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

2 Select a video (with the ▶ icon) to play.

3 Control playback with the virtual keys. ► p. 73

During playback, you can use the following options:

- To search for devices that have media sharing activated, press [▤] → **Scan for nearby devices**.
- To send the video to others or share it, press [▤] → **Share via**.
- To trim a segment of the video, press [▤] → **Trim**.
- To listen to audio via a Bluetooth headset, press [▤] → **Via Bluetooth**. You cannot use this option if you connect a headset to your device's headset jack.
- To set the video player to turn off automatically after a specific period of time, press [▤] → **Video auto off**.
- To change the video player settings, press [▤] → **Settings**.
- To view video details, press [▤] → **Details**.

Music Player

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

- Some file formats are not supported depending on the software of the device.
- If the file size exceeds the available memory, an error can occur when you open files.
- 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 wireless web. ► p. 95
- Download from a computer with Samsung Kies. ► p. 106
- Receive via Bluetooth. ► p. 109
- Synchronise with Windows Media Player 11. ► p. 107
- Copy to your memory card. ► p. 107

› Play music

1 In the application list, select **Music Player**.

2 Select a music category.

3 Select a music file.

4 Control playback with the following icons:
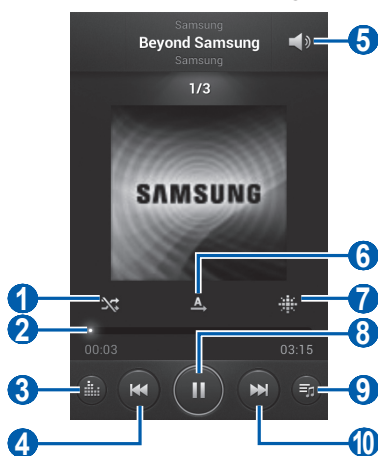
Number	Function
1	Activate Shuffle mode.
2	Scan forwards or backwards in the file by dragging or tapping the bar.
3	Select a sound effect.
4	Restart playback; Skip to the previous file (tap within 3 seconds); Scan backwards in the file (tap and hold).
5	Adjust the volume.
6	Change the repeat mode.
7	Sort music files by mood or year.
8	Pause playback; Select ▶ to resume playback.
9	Open the playlist.
10	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, you can use the following options:
- To add music files to the quick list (for saving as a playlist), press [≡] → **Add to quick list**.
- To listen to music via a Bluetooth headset, press [≡] → **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 or share it, press [▤] → **Share via**.
- To add the music file to a playlist, press [▤] → **Add to playlist**.
- To set the music file as your ringtone, press [▤] → **Set as**.
- To search for devices that have media sharing activated, press [▤] → **Scan for nearby devices**.
- To change the music player settings, press [▤] → **Settings**.
- To view music details, press [▤] → **Details**.
- To stop playback and close the music player, press [▤] → **End**.

› Create a playlist

1 In the application list, select **Music Player**.

2 Select **Playlists**.

3 Press [▤] → **Create playlist**.

4 Enter a title for your new playlist and select **OK**.

5 Select **Add music**.

6 Select the files you want to include and select **Done**.

During playback, you can add files to a playlist by pressing [▤] → **Add to playlist**.

› Add songs to the quick list
You can add songs to the quick list and save them as a playlist. During playback, press [▤] → **Add to quick list** to add the current song to the quick list.

To go to the quick list, from the music player main screen, select **Playlists** → **Quick list**. To save the quick list as a playlist, press [▤] → **Save as playlist**.

› Customise music player settings

1 In the application list, select **Music Player**.

2 Press [▭] → **Settings**.

3 Adjust the following settings to customise your music player:

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

Music Hub

You can access the online music store, and search for and buy your favourite songs.

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

1 In the application list, select **Music Hub**.

2 Search for songs, and preview or buy your favourite songs.

FM Radio

Learn to listen to music and news on the FM radio. To listen to the FM radio, you must connect a headset, which serves as the radio antenna.

› Listen to the FM radio

1 Plug a headset into the device.

2 In the application list, select **FM Radio**.
The FM radio scans and saves available stations automatically.

> The first time you turn on the FM radio, it will start automatic tuning.

3 Select a radio station.

4 Control the FM radio with the following keys:

Number	Function
❶	Record a song from the FM radio.
❷	Turn off or on the FM radio.

Number	Function
❸	Search for an available radio station.
❹	Add the current radio station to the favourites list.
❺	Adjust the volume.
❻	Access services for the current station, such as downloading music files or calling the station. This option may be unavailable depending on your region.
❼	Fine-tune the frequency.

› Record a song from the FM radio

1 Plug a headset into your device.

2 In the application list, select **FM Radio**.

3 Select 🔘 to turn on the FM radio.

4 Scroll to a radio station.

5 Select ⬤ to start recording.

6 When you are finished, select ⬛.
The recorded file will be saved in **My Files** → **All files** → **sdcard0** → **Sounds**.

› Save a radio station automatically

1 Plug a headset into the device.

2 In the application list, select **FM Radio**.

3 Select 🔘 to turn on the FM radio.

4 Press [▤] → **Scan** → a scanning option.
The FM radio scans and saves available stations automatically.

› Add a radio station to the favourites list

1 Plug a headset into the device.

2 In the application list, select **FM Radio**.

3 Select ⏻ to turn on the FM radio.

4 Scroll to the radio station you want.

5 Select ➕ to add to the favourites list.

› Customise FM radio settings

1 In the application list, select **FM Radio**.

2 Press [▤] → **Settings**.

3 Adjust the following settings to customise your FM radio:

Option	Function
Storage	Select a memory location for saving FM radio clips.
Radio text	Set to show the station ID on the FM radio screen. Station IDs are available only from radio stations that provide this information.
Alternative frequency	Set whether or not the FM radio attempts to retune a radio station when the signal is weak.
FM auto off	Set the FM radio to automatically turn off after a specified length of time.

Game Hub

Learn to play social and premium games.

1 In the application list, select **Game Hub**.

2 If you are launching this application for the first time, select the tick box next to **Do not show for 90 days** and select **Confirm**.

3 Select and install a game.

4 Follow the on-screen instructions.

> • Available games may vary depending on your region or service provider.
>
> • Controls and options of games may vary.

Personal information

Contacts

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

4 Select **Save** to add the contact to memory.

> 🖉 You can create contacts from the dialling screen by selecting **Add to contacts**.

›Find a contact

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

2 Scroll up or down on the contact list. You can also drag your finger along the index on the right side to quickly scroll through the list.

> 🖉 You can make a call or send a message to a contact by scrolling left or right on the contact's name.

3 Select a contact's name.

Once you find a contact, you can use the following options:
- To call the contact, select 📞 or 📲.
- To send a message, select ✉.
- To send an email message, select ✉@.
- To set a favourite number, select ⭐.
- To edit the contact information, select ✎.

› Set a speed dial number

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

2 Press [▤] → **Speed dial setting**.

3 Select a location number → a contact.

4 Select a phone number (if necessary).

🖉 You can quickly dial this number by tapping and holding the location number from the dialling screen.

› Create your namecard

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

2 Select **Set up my profile** at the top of the contact list.

3 Enter your own personal details.

4 Select **Save**.

🖉 You can send your namecard to others or share it by pressing [▤] → **Share namecard via**.

› Create a group of contacts

By creating groups of contacts, you can manage multiple contacts and send messages or email to an entire group. Start by creating a group.

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

2 Press [▤] → **Create**.

3 Enter a name and customise the settings for the group.

4 Add members to the group.

5 Select **Save**.

› Copy contacts

Copy contacts from the SIM or USIM card to your device

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

2 Press [▤] → **Import/Export** → **Import from SIM card**.

3 Select a memory location.

4 Select contacts to copy and select **Done**.

Copy contacts from your device to the SIM or USIM card

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

2 Press [▤] → **Import/Export** → **Export to SIM card**.

3 Select contacts to copy and select **Done** → **OK**.

› Import or export contacts

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 Press [▤] → **Import/Export** → **Import from USB storage** or **Import from SD card**.

3 Select a memory location.

4 Select an option for importing a single contact file, multiple contact files, or all contact files, and select **OK**.

5 Select contact files to import and select **OK**.

Export contacts

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

2 Press [▤] → **Import/Export → Export to USB storage** or **Export to SD card**.

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.

To create an event from a memo, select **Quick add**. This feature is available only for English and Korean.

4 Enter the details of the event as required.

5 Select **Save**.

› Change the view mode

1 In the application list, select **S Planner**.

2 Select .

3 Select a view mode.
- **Year**: All months in the year
- **Month**: A full month in one view
- **Week**: Hourly blocks for the days in one full week
- **Day**: Hourly blocks for one full day
- **List**: A list of all the events and tasks 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 by entering a date manually, press [≡] → **Go to**, enter the date by selecting **+** or **-**, and select **Set**.
- To select today's date, select **Today**.

3 Select an event to view its details.

> You can send the event to others by pressing [≡] → **Share via** → an option.

› Stop an event alarm

If you set an alarm for a calendar event, the event alarm icon will appear at the specified time.

1 Open the notifications panel from the top of the screen.

2 Select the event notification.

3 Select an event to view more details.
To snooze or dismiss the event alarm, select **Snooze** or **Dismiss**.

Memo

Learn to record important information to save and view at a later date.

› Create a memo

1 In the application list, select **Memo** → ＋.

2 Enter your memo text and select **Save**.

› View memos

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

2 Press [▤] → **Search** or press and hold [▤] to search for a memo (if necessary).

3 Select a memo to view its details.

You can send the memo to others by tapping and holding the memo and selecting **Send**.

While viewing the memo, use the following options:

- To edit the memo, tap the screen.
- To delete the memo, select ◀ → 🗑.
- To change the background colour, select ◀ → 🎨.
- To protect the memo from accidental deletion, select ◀ → 🔒.
- To print the memo via Wi-Fi, select ◀ → 🖨. Your device is compatible only with some Samsung printers.

Voice Recorder

Learn to operate your device's voice recorder.

› Record a voice memo

1 In the application list, select **Voice Recorder**.

2 Select ⬤ to start recording.
To pause recording, select ▮▮.

3 Speak into the microphone.

4 When you are finished, select ◻.
Your memo is saved automatically.

› Play a voice memo

1 In the application list, select **Voice Recorder**.

2 Select ☰ to access the voice memo list.

3 Select a voice memo.
To pause playback, select ▮▮.

📝 You can send the voice memo to others by pressing [▤] → **Share via**.

› Customise voice recorder settings

1 In the application list, select **Voice Recorder**.

2 Press [▭] → **Settings**.

3 Change the following options:

Option	Function
Storage	Select a memory location for saving voice memos.
Recording quality	Select a quality level for voice memos.
Limit for MMS	Set to limit recordings to the maximum length that can be attached to a multimedia message.
Contextual filename	Set the device to save files with contextual tags.
Default name	Enter a prefix for naming voice memos.

Web

Web services require a data connection. Contact your operator to choose the best data plan.

Internet

Learn to access and bookmark your favourite webpages.

> • You may incur additional charges for accessing the web and downloading media. For details, contact your service provider.
> • Available icons may vary depending on your region or service provider.

› Browse webpages

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

To access a specific webpage, select the URL field, enter the web address, and then select **Go**.

2 Navigate webpages with the following keys:
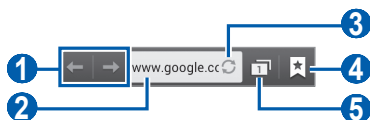
Number	Function
1	Move backwards or forwards to webpages in history.
2	Enter the web address of a web page to access.

Number	Function
❸	Reload the current webpage. While the device is loading webpages, this icon changes to ✕.
❹	Open a list of saved bookmarks, saved pages and recent internet history.
❺	View thumbnails of active browser windows.

While browsing the web page, use the following options:

- To zoom in or out, tap the screen with two fingers and spread them apart (move your fingers closer together to zoom out).

> If you activated tilting motions, you can zoom in or out by tapping and holding two points with your fingers and then tilting the device back and forth.

- To open a new window, press [≡] → **New window**.
- To bookmark the current web page, press [≡] → **Bookmark this page**.
- To add a shortcut for the current webpage to the Home screen, press [≡] → **Add shortcut**.
- To send the web address (URL) of the web page to others, press [≡] → **Share page**.
- To search for text on the web page, press [≡] → **Find on page**.
- To switch to desktop view, press [≡] → **Desktop view**.
- To save current web page and read it on offline later, press [≡] → **Save for offline reading**. You can view the saved pages by selecting ⭐ → **Saved pages**.

- To adjust the brightness of the screen, press [▤] → **Brightness**.
- To view the download history, press [▤] → **Downloads**.
- To print the current web page or screen via a connected printer, press [▤] → **Print**. Your device is compatible only with Samsung printers.
- To customise the browser settings, press [▤] → **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 input field.

3 Select 🎤 and say a keyword into your device's microphone. The device searches for information and webpages related with the keyword.

4 Select a search result.

› Bookmark your favourite webpages

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

2 Enter a web address or navigate to a webpage.

3 Press [▤] → **Bookmark this page**.

4 Enter a name for the bookmark and select **Save**.

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

- To open the web page in the current window, select **Open**.
- To open the web page in a new window, select **Open in new tab**.
- To edit the bookmark details, select **Edit bookmark**.
- To add the bookmark shortcut to the Home screen, select **Add shortcut**.
- To send the web address (URL) of the web page to others, select **Share link**.
- To copy the web address (URL) of the web page, select **Copy link URL**.
- To delete the bookmark, select **Delete bookmark**.
- To use the web page as your homepage of the browser, select **Set as homepage**.

› Access the recent history

1 In the application list, select **Internet** → → **History**.

2 Select a web page to access.

Maps

Learn to use Google Maps™ to find your location, search the online map for streets, cities, or countries, and get directions.

- This feature may be unavailable depending on your region or service provider.
- You must activate location services to find your location and search the map. ► p. 119

› Search for a specific location

1 In the application list, select **Maps**.
The map will display your current location.

2 Select 🔍.

3 Enter a keyword for the location and select 🔍.
To search for a location by voice, select 🎤.

4 Select the location you want to view details.

While viewing the map, use the following options:

- To zoom in or out, place two fingers on the screen and slowly spread them apart or pinch them together.
- To view a list of all results for your search, select **RESULTS LIST**.
- To view your current location, select ◉.
- To switch to a compass view of the map that changes orientation when you move the device, select ◈.
- To add a star to the location, select the balloon of the location name → ⭐.
- To add layers of additional information to the map or change the view mode, press [▤] → **Layers**.

› Get directions to a specific destination

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

2 Select ◈.

3 Enter the addresses of the starting location and the ending location.
To enter an address from your contact list or starred places, or point the location on the map, select ▲ → an option.

4 Select a travel method (car, bus, or walk) and select **GET DIRECTIONS**.

Depending on the selected travel method, you may see multiple routes.

5 Select a route to view details of your trip and select **MAP VIEW** to view the route on the map.

6 Select ◄ or ► to view only a single part of the route.

7 When you are finished, press [▤] → **Clear Map**.

Local

Learn to search for a place around you.

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

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

2 If you want to search for businesses or attractions near a specific location, select your location → **Enter an address**.

3 Select a category.
Your device searches for places around your current location that are related to the category.

4 Select a place name to view its details.

> You can add more categories by pressing [▤] → **Add a search**.

Navigation

Learn to use the GPS navigation system to find and show your destination with voice guidance.

- Navigation maps, your current location, and other navigational data may differ from actual location information. You should always pay attention to road conditions, traffic, and any other factors that may affect your driving and follow all safety warnings and regulations while driving.
- This feature may be unavailable depending on your region or service provider.

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

2 If you are launching this application for the first time, select **Accept**.

3 Enter your destination by using one of the following methods:
- Enter your destination by voice.
- Enter your destination with the virtual keypad.
- Select your destination from contacts' addresses.
- Select your destination from your starred places.

Play Store

Your device's functionality can be extended by installing additional applications. Play Store provides a quick and easy way to shop for mobile applications.

- This feature may be unavailable depending on your region or service provider.
- Your device will save user files from downloaded applications to the internal memory.

› **Download an application**

1 In the application list, select **Play Store**.

2 Search for an application and download it to the device. When the download is complete, the device will install the application automatically.

› **Uninstall an application**

1 In the application list, select **Play Store**.

2 Press [▤] → **My Apps**.

3 Select an item.

4 Select **Uninstall** → **OK**.

Play Books

Browse and download book files with Google Play Books. You can read book files on your device. In the application list, select **Play Books**.

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

Play Movies

Browse and rent movies with Google Play Movies. You can watch movies on your device. In the application list, select **Play Movies**.

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

Readers Hub

Learn to access various reading materials.

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

1 In the application list, select **Readers Hub**.

2 If you are launching this application for the first time, select the tick box next to **Do not show for 90 days** and select **Confirm**.

3 Select an image of reading material.

4 Search for and download reading material from the online store.

Samsung Apps

Samsung Apps allows you to simply and easily download an abundance of applications directly to your device. Featuring a wealth of games, news, reference, social networking, navigation, health related applications and more, Samsung Apps gives you instant access to a huge choice of mobile experience.

Your device gets smarter with fully optimised applications from Samsung Apps. Explore amazing applications and make your mobile life even better.

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

 • For details, please visit www.samsungapps.com.

1 In the application list, select **Samsung Apps**.

2 If you are launching this application for the first time, select **Accept**.

3 Search for and download applications as desired.

Voice Search

Learn to search the Internet by voice.

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

1 In the application list, select **Voice Search**.

2 Say a keyword into the microphone.
The device searches for webpages related to the keyword.

3 Select a search result.

Video Hub

Learn to access videos.

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

1 In the application list, select **Video Hub**.

2 Select a category.

3 Search for and access videos.

YouTube

Learn to view and upload videos via the YouTube™ video sharing service.

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

› Play a video

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

2 Select a video.

3 Rotate the device to landscape view.

4 Control playback with the following keys:
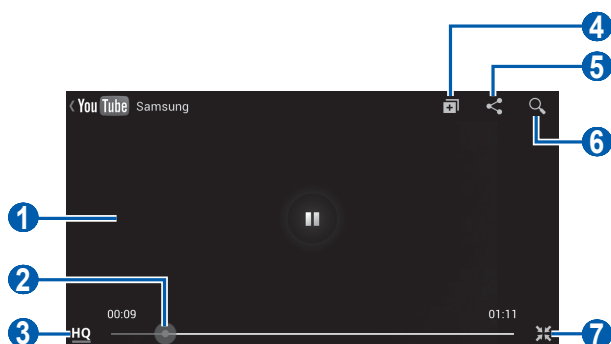
Number	Function
➊	Pause or resume playback.
➋	Scan forwards or backwards in the file by dragging the bar.
➌	View the video quality. This feature may not be available for some videos.
➍	Add the video to your playlist.
➎	Send the URL to others.
➏	Search for videos.
➐	Rotate the screen to the portrait view.

› **Upload videos**

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

2 Select your Google account if it is linked to YouTube.

3 Select ⬆ → a video.

If you are uploading a video for the first time, select a network type to upload a video.

4 Enter the details of the upload and select ⬆.

Connectivity

USB connections

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

ⓘ Do not disconnect the USB cable from a computer while the device is transferring or accessing data. Doing so may result in data loss or damage to the device.

📝 For best results, connect the USB cable directly to a USB port on a computer. Data transfers may fail when using a USB hub.

› Connect with Samsung Kies

Ensure that Samsung Kies is installed on your computer. You can download the program from the Samsung website.

📝 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 media device**

You can connect your device to a computer and access media files stored on your device.

1 Connect your device to a computer with a USB cable.

2 Tap the indicator icons area and drag it downwards to open the notifications panel.

3 Select **Connected as a media device** → **Media device (MTP)**.

4 Transfer files between your device and the computer.

› **Connect as a camera device**

You can connect your device to a computer as a camera and access files in your device.

> Use this USB connection mode when your computer does not support the media transfer protocol (MTP) or does not have the USB driver for your device installed.

1 Connect your device to a computer with a USB cable.

2 Tap the indicator icons area and drag it downwards to open the notifications panel.

3 Select **Connected as a media device** → **Camera (PTP)**.

4 Transfer files between your device and the computer.

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 wireless 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 Bluetooth SIG, may be incompatible with your device.

• Do not use the Bluetooth feature for illegal purposes (for example, pirating copies of files or illegally tapping communications for commercial purposes). Samsung is not responsible for the repercussions of illegal use of the Bluetooth feature.

› Activate the Bluetooth feature

In the application list, select **Settings** and then drag the **Bluetooth** switch to the right.

› Find and pair with another device

1 In the application list, select **Settings** → **Bluetooth** → **Scan**.

2 Select a device.

3 Select **OK** 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, press [▤] → **Visibility timeout**.

2 When prompted, select **OK** to match the Bluetooth PIN or enter the Bluetooth PIN and select **OK** (if necessary).

3 Select **Accept** to confirm the connection between two devices.

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

Wi-Fi

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.

> Your device uses a non-harmonised frequency and is intended for use in all European countries. The WLAN can be operated in the EU without restriction indoors, but cannot be operated outdoors.

› Activate the Wi-Fi feature

In the application list, select **Settings** and then drag the **Wi-Fi** switch to the right.

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

› Find and connect to a Wi-Fi AP

1 In the application list, select **Settings** → **Wi-Fi**.
 Your device searches for available Wi-Fi APs automatically.

2 Select an AP.

3 Enter the password for the AP (if necessary).

4 Select **Connect**.

› Add a Wi-Fi AP manually

1 In the application list, select **Settings** → **Wi-Fi** → **Add Wi-Fi 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 Wi-Fi 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 → Wi-Fi**.

2 Press [▤] → **WPS push button**.

3 Press the WPS button on the AP within 2 minutes.

Connect with a WPS PIN

1 In the application list, select **Settings → Wi-Fi**.

2 Press [▤] → **WPS PIN entry**.

3 On the AP, enter the PIN of your device.

› Set the static IP settings

1 In the application list, select **Settings → Wi-Fi**.

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 Wi-Fi settings

1 In the application list, select **Settings** → **Wi-Fi**.

2 Press [≡] → **Advanced**.

Option	Function
Network notification	Set the device to notify you when an open Wi-Fi AP is available.
Keep Wi-Fi on during sleep	Set whether or not to keep the Wi-Fi feature active in Sleep mode.
MAC address	View the MAC address.
IP address	View the IP address.

Wi-Fi Direct

Learn to use the Wi-Fi Direct feature to connect two devices via Wi-Fi without requiring an AP.

› Connect your device to another device

1 In the application list, select **Settings** → **Wi-Fi** → **Wi-Fi Direct**.

2 Select **Scan**.

3 Select a device.
When the owner of the other device accepts the connection, the devices are connected.

You can connect your device to multiple devices and send data by selecting **Multi-connect**.

› Send data via Wi-Fi

1 Select a file or item from an appropriate application.

2 Select an option for sending data via Wi-Fi.

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

3 Search for and select another device.

› Receive data via Wi-Fi

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

AllShare Play

Learn to use the AllShare Play service that enables you to play contents saved on various devices over the Internet. You can play and send any file on any device to another device or web storage server via AllShare Play.

To use the AllShare Play service, you must sign in to your Google and Samsung accounts, and register two or more devices as file servers. The registration methods may vary depending on the device type. To get more details about using AllShare Play, press [▤] → **FAQ**.

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

› Send a file

1 In the application list, select **AllShare Play**.

2 Select a device or web storage that contains media files.

3 Select a media category and select the tick box on a file.

4 Select ➡.

5 Select a device or web storage to save the file.

› Share a file

1 In the application list, select **AllShare Play**.

2 Select a device or web storage that contains media files.

3 Select a media category and select the tick box on a file.

4 Select ◄ and then select a social network site.

› Play a file on a remote device

> • Supported file formats may differ depending on connected devices as a media player.
>
> • Some files may be buffered while playing depending on the network connection.

1 In the application list, select **AllShare Play**.

2 Select a device or web storage that contains media files.

3 Select a media category and select the tick box on a file.

4 Select 🖳.

5 Select a device to use as a media player.

6 Control playback with the keys on your device.

› Manage contents on a web storage server

1 In the application list, select **AllShare Play**.

2 Select a web storage server.

3 View and manage your files.

› Customise AllShare Play settings

1 In the application list, select **AllShare Play**.

2 Press [▤] → **Settings**.

3 Change the following options:

Option	Function
Registered storage	View web storage servers that have been added to AllShare Play.
Registered devices	View or edit devices that have been added to AllShare Play.
Setting up web services	Sign in to social network sites to upload files.
Auto upload	Set to upload photos to the web storage automatically when you sign in.
Video quality settings	Set to optimise the video quality for your device when playing videos saved on a computer.
Lock AllShare Play	Set to lock AllShare Play with the password for your Samsung account.
Language	Select a display language.
About	View AllShare Play information.
Customer support	Access customer support information.

Group Play

You can share images, documents, and music with other devices that are connected to the same Wi-Fi AP.

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

› Share a file

1 In the application list, select **Group Play**.

2 Select a media type under **Start** to share with other devices.

> If your device has not connected to a Wi-Fi AP, make the network connection by selecting **Not connected**.

3 Select the files to share, and then select **Done**.

4 Enter a PIN, and then start Group Play.

› Join another Group Play

1 In the application list, select **Group Play**.

2 Select a shared media under **Join**, enter the PIN code, and then select **OK**.

Mobile network sharing

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

› Share your device's mobile network via Wi-Fi

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 settings** → **Tethering and portable hotspot** → **Portable Wi-Fi hotspot**.

2 Drag the **Portable Wi-Fi hotspot** switch to the right to activate mobile network sharing via Wi-Fi.

3 Select **Configure** to configure network settings to use your device as an AP.

Option	Function
Network SSID	View and edit the device name that will be shown to external devices.
Hide my device	Set to prevent other devices from locating your device.
Security	Select the 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.

Option	Function
Show password	Set to show your password as you enter them.
Show advanced options	Select a broadcast channel.

4 Select **Save**.

5 On another device, locate your device's name and connect to your mobile network.

> You can restrict mobile network sharing to specified devices. Select **Allowed devices**, create a device list, and then select your device's name to change the sharing mode to **Only allowed devices**.

› 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 settings** → **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 settings** → **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.

GPS

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

To receive better 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 Adjust the following settings to activate location services:

Option	Function
Use wireless networks	Set to use Wi-Fi 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.
Location and Google search	Set the device to use your current location for Google search and other Google services.

VPN connections

You can create virtual private networks (VPN) and connect to your private network securely through a public network, such as the internet.

✍ ● Your device should already be configured with internet access. If you have trouble accessing the internet, you need to edit connections. If you are not sure about the connection information to enter, ask your service provider.

● To use this feature, you must activate the screen lock feature.

› Set up VPN connections

1 In the application list, select **Settings → More settings → VPN → Add VPN network**.

2 Customise the connection information.

Option	Function
Name	Enter a name of the VPN server.
Type	Select a VPN type.
Server address	Enter the IP address of the VPN server.
L2TP secret	Set to use the L2TP secret password.
IPSec identifier	Enter a user name.
IPSec pre-shared key	Enter a pre-shared key.
IPSec user certificate	Select a user certificate that the VPN server uses to identify you. You can import certificates from the VPN server or download from the web.
IPSec CA certificate	Select a certificate authority (CA) certificate that the VPN server uses to identify you. You can import certificates from the VPN server or download from the web.
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.

Option	Function
PPP encryption (MPPE)	Set to encrypt data before sending it to the VPN server.
Show advanced options	Set to change the advanced network settings.

Available options 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 settings** → **VPN**.
2 Select a private network to connect.
3 Enter the user name and password and select **Connect**.

Tools

Calculator

Learn to perform mathematical calculations directly on your device like a typical hand-held or desktop calculator.

› Perform the calculation

1. In the application list, select **Calculator**.
2. Use the keys that correspond to the calculator display to perform basic mathematical operations.

   ✎ Rotate the device to landscape view to use the scientific calculator. If you deactivate the auto rotation, press [▤] → **Scientific calculator**.

› View the calculation history

1. In the application list, select **Calculator**.
2. Perform the calculation.
3. Select ▼ to close the calculator keypad.
   The calculation history appears.
4. To clear the history, press [▤] → **Clear history**.

Clock

Learn to set and control alarms, and world clocks. You can also use the stopwatch, the countdown timer, and the desk clock.

› Set a new alarm

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

2 Select **Create alarm**.

3 Set alarm details.

Drag the **Smart alarm** switch to the right to activate simulated nature sounds prior to the main alarm.

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

> To deactivate an alarm, select the clock icon next to the alarm. To delete an alarm, press [🔲] → **Delete**.

› Stop an alarm

When the alarm sounds,

- To stop the alarm, select ✕ and then drag your finger outside of the large circle.
- To repeat the alarm after a specified length of time, select zᶻ and then drag your finger outside of the large circle.

› Create a world clock

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

2 Enter a city name or select one from the city list.
   - To select your current city, select ⊕.
   - To select a city in the world map view, select ⊕.

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

› Use the stopwatch

1 In the application list, select **Clock** → **Stopwatch**.

2 Select **Start** to begin the stopwatch.

3 Select **Lap** to record lap times.

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

5 Select **Reset** to clear recorded times.

› Use the count-down timer

1 In the application list, select **Clock** → **Timer**.

2 Set the length of time to count down.

3 Select **Start** to begin the countdown.

4 When the timer expires, select ✕ and then drag your finger outside of the large circle to stop the alarm.

› Use the desk clock

The desk clock displays the current time and date, and weather.

1 In the application list, select **Clock** → **Desk clock**.

2 Select ▣ to view the desk clock on the full screen.

3 Press [▤] → **Settings**.

4 Change the following options:

Option	Function
Hide status bar	Set to hide or show the status bar.
Wallpaper	Select a background image for the desk clock.

Option	Function
Calendar	Set to show the calendar.
Weather	Set to display the weather for your current location. You can also set the desk clock to be automatically updated with latest information and select a temperature unit.
Dock	Change the settings for using a desktop dock with your device.

Downloads

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

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

2 Select a download category.

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

Help

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

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

2 Select an item to view tips.

To reset help pop-ups if you have hidden them, select **Show help tip pop-ups**, and then select items.

My Files

Learn to quickly and easily access all of your images, videos, music, sound clips, and other types of files stored in your device and memory card.

› Supported file formats

Your device supports the following file formats:

Option	Function
Image	bmp, gif, jpg, png
Video	3gp, mp4, avi, wmv, flv, mkv
Music	mp3, 3ga, aac, m4a, wma
Sound	wav, mmf, xmf, imy, midi, amr
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 → a file.
   • To move up one level in the file directory, select ⬆.
   • To return to the Home directory, select 🏠.
   • To delete files or folders, select the tick boxes and select 🗑.

- To send a file to others, select the tick box and select ![share icon] .
- To copy or move the files to another file folder, select the tick boxes and select ![menu icon] → **Copy** or **Move**.
- To change the name of a file, select the tick box and select ![menu icon] → **Rename**.
- To view file or folder details, select the tick box and select ![menu icon] → **Details**.

In a folder, press [![menu icon]] to use the following options:
- To select all files to apply the same option to them at once, select, **Select all**.
- To create a new folder, select **Create folder**.
- To search for files saved in your device, select **Search**.
- To change the view mode, select **View by**.
- To sort files or folders, select **Sort by**.
- To change the file manager settings, select **Settings**.

Google

You can search for data saved on your device or on the web.

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

2 Enter a letter or a word of the data to search for.

3 Select the item's name you want to access.

SIM Toolkit

Use a variety of additional services offered by your service provider. Depending on your SIM or USIM card, this application may be labelled differently. In the application list, select **SIM Toolkit**.

Voice command

Your device provides the intelligent voice command feature which turns your voice commands into action. You can dial a number, send a message, search for locations or information, or complete other tasks simply by speaking to your device.

1 In the application list, select **Voice command**.

2 If you are launching this application for the first time, read the disclaimer and help information by following the screens.

3 Select **Tap & Speak**.

4 Say a command into the microphone.

Voice talk

Learn to use the voice command feature provided by Voice talk. You can dial a number, send a message, write a memo, or complete other tasks simply by speaking to your device while on the go.

1 In the application list, select **Voice talk**.

2 If you are launching this application for the first time, read the disclaimer and help information by following the screens.

3 Select **Tap & Speak**.

4 Say a command into the microphone.

Mini diary

Learn to keep a photo diary.

› Create a Mini diary

1 In the application list, select **Mini diary**.

2 If you are launching this application for the first time, select **Yes**.

3 If there is a diary saved, select ➕ to create a new entry.

4 Change the today's date and set the weather (if necessary).

5 Select **Tap to add photo** and add an image or capture a photo.

6 Select **Tap to add text**, and enter text and select **Done**.

7 Select **Done**.

› View a Mini diary

1 In the application list, select **Mini diary**.

2 Select a diary.

To send a diary to others, press [≡] → **Share via**.

Settings

Access the Settings menu

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

2 Select a setting category and select an option.

Wi-Fi

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

To use options, press [▤].

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

Bluetooth

Activate the Bluetooth feature to exchange information over short distances.

Data usage

Keep track of your data usage and customise settings for your data limit.

* **Mobile data**: Set to use data connections on any mobile network.
* **Set mobile data limit**: Set a limit for the mobile data usage.
* **Data usage cycle**: Customise the settings for the limit cycle.

To use options, press [▤].

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

More settings

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

› Flight mode
Disable all wireless functions on your device. You can use only non-network services.

› USB utilities
Connect your device to a computer as a mass storage.

› Mobile networks
- **Mobile data**: 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, press [▤] → **Reset to default**.

- **Network mode**: Select a network type.
- **Network operators**:
  - **Search networks**: Search for and select a network.
  - **Select automatically**: Set the device to select the first available network.

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

› VPN
Set up and manage virtual private networks (VPNs).

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

› Kies via Wi-Fi

Connect your device to Samsung Kies via Wi-Fi.

Home screen mode

Select a Home screen mode (basic or easy).

Blocking mode

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

Sound

Change the settings for various sounds on your device.

- **Volume**: Adjust the volume level for call ringtones, media sound, device system sound, and notification ringtones.
- **Vibration intensity**: Adjust the vibration intensity.
- **Device ringtone**: Select a ringtone to alert you to incoming calls.
- **Device vibration**: Add or select a vibration pattern.
- **Default notifications**: Select a ringtone to alert you to events, such as incoming messages, and missed calls.
- **Vibrate when ringing**: Set the device to vibrate and play a ringtone to alert you to incoming calls.
- **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 on the touch screen.
- **Screen lock sound**: Set the device to sound when you lock or unlock the touch screen.
- **Haptic feedback**: Set the device to vibrate when you press the Menu key or the Back key, or press and hold the Home key or the Power key.

Display

Change the settings for the display.

- **Wallpaper**
    - **Home screen**: Select a background image for the Home screen.
    - **Lock screen**: Select a background image for the locked screen.
    - **Home and lock screens**: Select a background image for the Home screen and the locked screen.
- **Screen mode**: Select a display mode.
- **Brightness**: Set the brightness of the display.
- **Auto-rotate screen**: Set whether or not to rotate the content automatically when the device is rotated.
- **Screen timeout**: Set the length of time the device waits before turning off the display's backlight.
- **Smart stay**: Set to prevent the display backlight from turning off while you are looking at the display.
- **Font style**: Change the font type for the display text. You can download fonts from Google Play by selecting **Get fonts online**.
- **Font size**: Change the font size for creating or showing items in applications.
- **Touch key light duration**: Set the duration for the touch key backlight.
- **Display battery percentage**: Set to view the remaining battery life.
- **Auto adjust screen tone**: Set to save power by adjusting the brightness of the display.

Storage

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

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

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

Power saving mode

Activate Power saving mode and change the settings for Power saving mode.

- **CPU power saving**: Set the device to limit some system resource usage.
- **Screen power saving**: Set the device to decrease the brightness of the display.
- **Background colour**: Set the device to decrease the brightness of the background colour of email and Internet.
- **Turn off haptic feedback**: Set to prevent the device from vibrating when you press the Menu key or the Back key, or press and hold the Power key or the Home key.
- **Learn about power saving mode**: View information for saving battery power.

Battery

View the amount of power consumed by your device.

Application manager

View and manage the applications on your device.

Location services

Change the settings for location services.
- **Use wireless networks**: Set to use Wi-Fi and/or mobile networks for finding your location.
- **Use GPS satellites**: Set to use GPS satellites for finding your location.
- **Location and Google search**: Set the device to use your current location for Google search and other Google services.

Lock screen

Change the settings for securing your device.
- **Screen lock**: Activate the screen lock feature.
- **Lock screen options**:

    The settings are applied only when you set the swipe lock option.

    - **Shortcuts**: Set to show and edit application shortcuts on the locked screen.

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

    - **Information ticker**: Set to show news or stock information on 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.

- **Weather**: Set to show the weather information and change the settings for the weather display.
- **Help text**: Set to show the help text on the locked screen.
- **Camera quick access**: Set the device to launch the camera by tapping and holding the screen and rotating the device while the screen is locked.
- **Owner information**: Enter your information that is shown on the locked screen.

Security

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

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

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

> You may not access the encrypted memory card after the factory data reset. First, decode the memory card before the factory data reset.

- **Remote controls**: Set to allow control of your lost or stolen device remotely via the Internet. To use this feature, you must sign in to your Samsung and Google accounts.
  - **Account registration**: Add or view your Samsung and Google accounts.

- **Use wireless networks**: Set to allow location data collection and to determine the location of your lost or stolen device via Wi-Fi and mobile networks.

- **SIM Change Alert**: Activate or deactivate the Find my mobile feature which helps you locate your device when it is lost or stolen.

- **Find my mobile web page**: Access the SamsungDive website (www.samsungdive.com). You can track and control your lost or stolen device on the SamsungDive website.

- **Set up SIM card lock**:
  - **Lock SIM card**: Activate or deactivate the PIN lock feature to require the PIN before using the device.
  - **Change SIM PIN**: Change the PIN used to access SIM or USIM card.

- **Make passwords visible**: Set the device to display your password as you enter.

- **Device administrators**: View device administrators installed on your device. You can activate device administrators to apply new policies to your device.

- **Unknown sources**: Select to download applications from any source. If you do not select this option, you can download applications only from Play Store.

- **Trusted credentials**: Select certificates and credentials to ensure secure use of various applications.

- **Install from device storage**: Install encrypted certificates that are stored in the USB storage.

- **Clear credentials**: Erase the credential contents from the device and reset the password.

Language and input

Change the settings for languages and text input.

› Language

Select a display language for all menus and applications.

› Default

Select a default keyboard type for text input.

› Google voice typing

Activate the Google voice input feature to enter text by voice. To change the voice input settings, select ⚙.

- **Choose input languages**: Select input languages for Google voice recognition.
- **Block offensive words**: Set to prevent the device from recognising offensive words in voice inputs.
- **Download offline speech recognition**: Download and install language data for offline voice input.

› Samsung keyboard

To change the Samsung keypad settings, select ⚙.

- **Portrait keyboard types**: Select a keypad type.
- **Input languages**: Select languages for text input.
- **Predictive text**: Activate XT9 mode to predict words based on your input and show word suggestions. You can also customise the word prediction settings.
- **Continuous input**: Set to enter text by sweeping on the keypad.

- **Keyboard swipe**: Enable or disable the keypad sweeping feature for the text input mode. You can switch between input modes by scrolling left or right on the keypad.
- **Handwriting**: Activate Handwriting mode. You can also change the settings for Handwriting mode, such as recognition time, pen thickness, or pen colour.
- **Advanced**:
  - **Auto capitalisation**: Set to capitalise the first letter of a sentence automatically.
  - **Auto-punctuate**: Set to insert punctuation marks automatically when needed.
  - **Character preview**: Set the device to show a preview image of each letter you tap.
  - **Key-tap vibration**: Set the device to vibrate when you tap a key.
  - **Key-tap sound**: Set the device to sound when you tap a key.
- **Tutorial**: Learn how to enter text with the Samsung keypad.
- **Reset settings**: Reset the Samsung keypad settings to the factory defaults.

› Swype

To change the Swype keypad settings, select ⚙.

- **How to Swype**: Learn how to enter text with the Swype keyboard.
- **Gestures**: Learn Swype gestures to quickly accomplish desired tasks using shortcuts on the keyboard.
- **Preferences**:
  - **Vibrate on keypress**: Set the device to vibrate when you touch a key.

- **Sound on keypress**: Set the device to sound when you touch a key.
- **Show helpful tips**: Set the device to automatically display tips for your actions when available.
- **Auto-spacing**: Set the device to automatically insert a space between words.
- **Auto-capitalisation**: Set the device to automatically capitalise the first letter after a final punctuation mark, such as a period, question mark, or exclamation mark.
- **Show complete trace**: Set to display the trace of your dragging on the keyboard.
- **Pop-up on keypress**: Set the device to display a character when you touch a key.
- **Next word prediction**: Set the device to predict words according to your input and display word suggestions.
- **Reset Swype's dictionary**: Delete the words you have added to the dictionary.
- **Version**: View version information.
- **Language Options**: Select languages for text input.
- **Swype Connect**: Set the device to collect specific data for better performance.
- **Personalisation**: Set up your own dictionary. The words in your dictionary will appear as suggestions for your text inputs.
- **Updates**: Update Swype to the latest version.

› Voice recogniser

Select a voice recognition engine.

›› Voice search

For the Google voice recognition, use the following options:

- **Language**: Select a language for the voice recognition.
- **Speech output**: Set the device to provide voice feedback to alert you to the current action.
- **Block offensive words**: Hide offensive words your device recognised from voice search results.
- **Download offline speech recognition**: Download and install language data for offline voice input.

For the Samsung voice recognition, use the following options:

- **Language**: Select a language for the voice recognition.
- **Launch Voice talk**: Set to launch the Voice talk application by pressing the Home key twice.
- **Web search engine**: Select a web search engine.
- **Auto-dial**: Set to automatically dial a number when the voice recognition result is confident.
- **Use location**: Set to use your location information for voice search results.
- **Hide offensive words**: Hide offensive words your device recognised from voice search results.
- **Auto-punctuation**: Set to automatically insert punctuation marks when needed.
- **Listen over Bluetooth**: Set to recognise your voice commands when using a connected Bluetooth headset.
- **Voice talk unique ID**: View your device's unique ID for services when you have problems with Voice talk.
- **About**: View version information.
- **Auto-start listening**: Set to automatically begin voice recognition when you launch the voice command feature.

- **Voice command help**: Access help information for using the voice command feature.
- **Social settings**: Change the settings for accessing community websites.
- **Voice talk settings**: Change the settings for using Voice talk.
- **Voice talk help**: Access help information for using Voice talk.

› 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 text-to-speech feature.
- **Listen to an example**: Listen to the spoken text for an example.
- **Driving mode**: Activate Driving mode to provide audible notifications for incoming calls, messages, or event details.

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

Back up and reset

Change the settings for managing settings and data.

- **Back up my data**: Set to back up your settings and application data to the Google server.
- **Backup account**: Set up or edit your Google backup account.
- **Automatic restore**: Set to restore your settings and application data when you must reinstall an application.
- **Factory data reset**: Reset your settings to the factory defaults and delete all your data.

Add account

Add your email or SNS accounts.

Motion

Activate the motion feature and change the settings that control the motion recognition feature on your device.

- **Direct call**: Set to make a voice call by picking up and holding the device near your ear while viewing call, message, or contact details.
- **Double tap to top**: Set to move to the top of a list of contacts or email messages when you double-tap the device.
- **Tilt to zoom**: Set to use a tilting motion to zoom in or out when viewing images or browsing webpages.
- **Pan to move icon**: Set to move an item to another page when you tap and hold the item, and then slide the device to the left or right.

- **Pan to browse images**: Set to scroll through an image by sliding the device in any direction when the image is zoomed in.
- **Shake to update**: Set to shake your device to search for Bluetooth devices or Kies air devices.
- **Turn over to mute/pause**: Set to mute ringtones, pause media playback, or mute the FM radio when you place the device face down.
- **Sensitivity settings**: Adjust the reaction speed for each motion.
- **Learn about motions**: View the tutorial for controlling motions.

Accessory

Change the accessory settings.
- **Dock sound**: Set the device to play a sound when your device is connected to or removed from a desktop dock.
- **Audio output mode**: Set to use the dock speaker when your device is connected to a desktop dock.
- **Desk home screen display**: Set the device to show the desk clock when your device is connected to a desktop dock.
- **Audio output**: Select a sound output format to use when connecting your device to HDMI devices.

> Some devices may not support the surround sound setting.

- **Audio applications**: Set the device to show which applications are available when you connect a headset to the device.

Date and time

Access and alter the following settings to control how time and date are displayed 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.
- **Set date**: Set the current date manually.
- **Set time**: Set the current time manually.
- **Automatic time zone**: Set to receive time zone information from the network when you move across time zones.
- **Select time zone**: Select a time zone.
- **Use 24-hour format**: Set to the time to be displayed in 24-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 whether or not to rotate the content automatically when the device is rotated.
- **Screen timeout**: Select the length of time that the device waits before turning off the display backlight.
- **Speak passwords**: Set the device to read aloud passwords you enter with TalkBack.

- **Answering/ending calls**:
  - **The home key answers calls**: Set to answer calls by pressing the Home key.
  - **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.
- **TalkBack**: Activate TalkBack, which provides voice feedback.
- **Font size**: Change the font size for creating or showing items in applications.
- **Negative colours**: Reverse the display colours to improve visibility.
- **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 text-to-speech feature.
  - **Listen to an example**: Listen to the spoken text for an example.
  - **Driving mode**: Activate driving mode to set the device to read contents aloud and specify applications to use in driving mode.
- **Enhance web accessibility**: Set applications to install web scripts to make their web content more accessible.
- **Mono audio**: Enable mono sound when you listen to audio with one earbud.
- **Turn off all sounds**: Mute all device sounds.
- **Tap and hold delay**: Set the recognition time for tapping and holding the screen.

Developer options

Activate and change the settings for application development.

- **Desktop backup password**: Set a password to secure your backup data.
- **Stay awake**: Set the screen to remain on while you are charging the battery.
- **Protect SD card**: Set to request a confirmation when reading data from a memory card.
- **USB debugging**: Activate USB debugging mode to connect your device to a computer with a USB cable.
- **Allow mock locations**: Allow mock locations and service information to be sent to a Location Manager service for testing.
- **Select debug app**: Select applications to debug and prevent errors when you pause debugging.
- **Wait for debugger**: Set to prevent the selected application from loading until the debugger is ready.
- **Show touches**: Set to show the pointer when you touch the screen.
- **Show pointer location**: Set to show the coordinates and traces of the pointer when you touch the screen.
- **Show layout boundaries**: Set to show boundaries.
- **Show GPU view updates**: Set to flash areas of the screen when they are updated with the GPU.
- **Show screen updates**: Set to flash areas of the screen when they are updated.
- **Window animation scale**: Select a speed for opening and closing pop-up windows.

- **Transition animation scale**: Select a speed for switching between screens.
- **Animator duration scale**: Select how long pop-up windows will be shown.
- **Disable hardware overlays**: Set to hide hardware overlays.
- **Force GPU rendering**: Set to use 2D hardware acceleration to improve graphic performance.
- **Strict mode**: Set the device to flash the screen when applications perform long operations.
- **Show CPU usage**: Set to list all active processes.
- **Profile GPU rendering**: Set to check the time of GPU rendering time.
- **Enable traces**: Set to capture traces of application and system performance.
- **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 the **Lock SIM card** menu.
PUK	Your SIM or USIM card is blocked, usually as a result of entering your PIN incorrectly several times. You must enter the PUK supplied by your service provider.
PIN2	When you access a menu requiring the PIN2, you must enter the PIN2 supplied with the SIM or USIM card. For details, contact your service provider.

Your device displays network or service error messages

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

The touch screen responds slowly or improperly

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

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

Your device freezes or has fatal errors

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

If this does not solve the problem, perform a factory data reset. In the application list, select **Settings** → **Back up and reset** → **Factory data reset** → **Reset device** → **Erase everything**.

Calls are being dropped

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

Outgoing calls are not connected

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

Incoming calls are not connected

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

Others cannot hear you speaking on a call

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

Audio quality is poor

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

When dialling from contacts, the call is not connected

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

The device beeps and the battery icon is empty

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

The battery does not charge properly or the device turns off

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

Your device is hot to the touch

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

Error messages appear when launching the camera

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

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

Error messages appear when launching the FM radio

The FM radio application on your Samsung mobile device uses the headset cable as an antenna. Without a headset connected, the FM radio will be unable to receive radio stations. To use the FM radio, first ensure that the headset is properly connected. Next, scan for and save the available radio stations.

If you still cannot use the FM radio after performing these steps, try accessing your desired station with another radio receiver. If you can hear the station with another receiver, your device may require service. Contact a Samsung Service Centre.

Error messages appear when opening music files

Some music files may not play on your Samsung mobile device for a variety of reasons. If you receive error messages when opening music files on your device, try the following:

- Free some memory by transferring files to a computer or deleting files from your device.
- Ensure that the music file is not Digital Rights Management (DRM)-protected. If the file is DRM-protected, ensure that you have the appropriate licence or key to play the file.
- Ensure that your device supports the file type.

Another Bluetooth device is not located

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

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

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

- Ensure that the USB cable you are using is compatible with your device.
- Ensure that you have the proper drivers installed and updated on your computer.
- If you are a Windows XP user, ensure that you have Windows XP Service Pack 3 or higher installed on your computer.
- Ensure that you have Samsung Kies 2.0 or Windows Media Player 10 or higher installed on your computer.

Index

Some of the contents in this manual may differ from your device depending on the software of the device or your service provider.

To install Kies (PC Sync) **Kies**

1. Download the latest version of 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.

3. Double-click the Samsung Kies icon on your computer to launch Samsung Kies.
Refer to the Kies help for more information.