

SM-T310

# User Manual

# **About this manual**

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

- Please read this manual before using the device to ensure safe and proper use.
- Descriptions are based on the device's default settings.
- Images and screenshots may differ in appearance from the actual product.
- Content may differ from the final product, or from software provided by service providers
  or carriers, and is subject to change without prior notice. For the latest version of the
  manual, refer to the Samsung website, www.samsung.com.
- Content (high quality content) that requires high CPU and RAM usage will affect the
  overall performance of the device. Applications related to the content may not work
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About this manual

- Default applications that come with the device are subject to updates and may no longer be supported without prior notice. If you have questions about an application provided with the device, contact a Samsung Service Centre. For user-installed applications, contact service providers.
- Modifying the device's operating system or installing softwares from unofficial sources
  may result in device malfunctions and data corruption or loss. These actions are violations
  of your Samsung licence agreement and will void your warranty.

# Instructional icons



Warning: situations that could cause injury to yourself or others



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



Note: notes, usage tips, or additional information

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#### ABOUT DIVX VIDEO-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<sup>®</sup> to play DivX<sup>®</sup> video up to HD 720p, including premium content.

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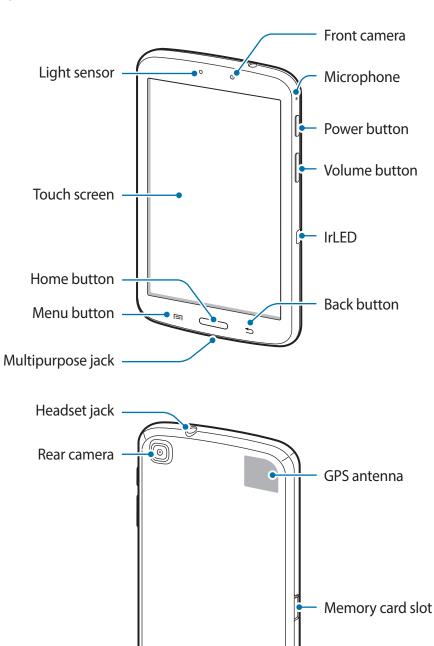
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# **Troubleshooting**

# **Getting started**

# **Device layout**



Speaker

Speaker



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

# **Buttons**

Button		Function
Θ	Power	<ul> <li>Press and hold to turn the device on or off.</li> </ul>
		<ul> <li>Press and hold for 8-10 seconds to reset the device if it has fatal errors or hang-ups, or freezes.</li> </ul>
		<ul> <li>Press to lock or unlock the device. The device goes into lock mode when the touch screen turns off.</li> </ul>
	Menu	<ul> <li>Tap to open a list of options available for the current screen.</li> </ul>
		<ul> <li>Tap and hold on the Home screen to launch Google search.</li> </ul>
	Home	<ul> <li>Press to return to the Home screen.</li> </ul>
		<ul> <li>Press and hold to open the list of recent applications.</li> </ul>
		<ul> <li>Press twice to launch S Voice.</li> </ul>
5	Back	<ul> <li>Tap to return to the previous screen.</li> </ul>
		<ul> <li>Tap and hold to activate or deactivate Multi Window.</li> </ul>
	Volume	Press to adjust the device volume.

# **Package contents**

Check the product box for the following items:

- Device
- Quick start guide



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



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

# **Charging the battery**

Use the charger to charge the battery before using it for the first time.



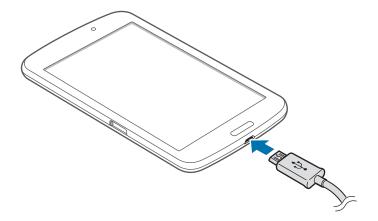
Use only Samsung-approved chargers, batteries, and cables. Unapproved chargers or cables can cause the battery to explode or damage the device.



- When the battery power is low, the device emits a warning tone and displays a low battery power message.
- If the battery is completely discharged, the device cannot be turned on immediately when the charger is connected. Allow a depleted battery to charge for a few minutes before turning on the device.

# Charging with the charger

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





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



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

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



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

#### Checking the battery charge status

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



# Reducing the battery consumption

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

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

# Inserting a memory card

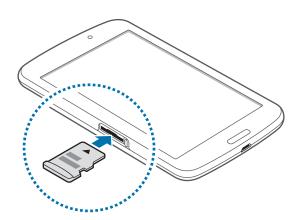
Your device accepts memory cards with maximum capacities of 64 GB. Depending on the memory card manufacturer and type, some memory cards may not be compatible with your device.



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



- The device supports only the FAT file system for memory cards. When inserting a card formatted in a different file system, the device asks to reformat the memory card.
- Frequent writing and erasing of data shortens the lifespan of memory cards.
- When inserting a memory card into the device, the memory card's file directory
  appears in the extSdCard folder under the internal memory.
- 1 Insert a memory card with the gold-coloured contacts facing downwards.
- 2 Push the memory card into the slot until it locks in place.



### Removing the memory card

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

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



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

# Formatting the memory card

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

On the Home screen, tap  $Apps \rightarrow Settings \rightarrow Storage \rightarrow Format SD$  card  $\rightarrow Format SD$  card  $\rightarrow Erase$  everything.

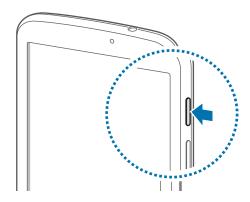


Before formatting the memory card, remember to make backup copies of all important data stored on the device. The manufacturer's warranty does not cover loss of data resulting from user actions.

# Turning the device on and off

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

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



Getting started



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

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

# Holding the device

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

# Locking and unlocking the device

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

To unlock the device, press the Power button or the Home button when the touch screen is turned off, tap anywhere on the screen, and then flick your finger in any direction.

# Adjusting the volume

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

# Switching to silent mode

Use one of the following methods:

- Press and hold the Volume button down until it switches to silent mode.
- Press and hold the Power button, and then tap Mute.
- Open the notifications panel at the top of the screen, and then tap Sound.

# **Basics**

# **Indicator icons**

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

lcon	Meaning	
<b>*</b>	Wi-Fi connected	
*	Bluetooth feature activated	
•	GPS activated	
Ð.	Synced with the web	
ψ	Connected to computer	
Image: Control of the	Alarm activated	
×	Silent mode activated	
X	Flight mode activated	
A	Error occurred or caution required	
	Battery power level	

# Using the touch screen

Use only fingers to use the touch screen.



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

### Finger gestures

#### **Tapping**

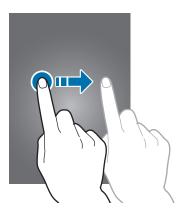
To open an application, to select a menu item, to press an on-screen button, or to enter a character using the on-screen keyboard, tap it with a finger.



Basics

# Dragging

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



# **Double-tapping**

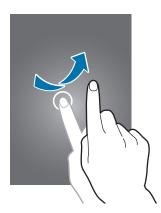
Double-tap on a webpage, map, or image to zoom in a part. Double-tap again to return.



**Basics** 

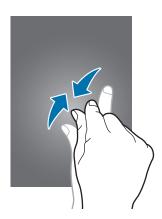
# **Flicking**

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



# **Pinching**

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



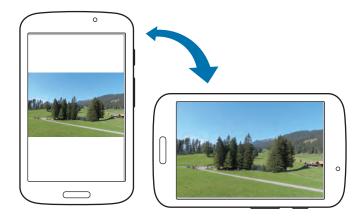
# **Control motions**

Simple motions allow easy control of the device.

Before using motions, make sure the motion feature is activated. On the Home screen, tap  $Apps \rightarrow Settings \rightarrow Motion$ , and then drag the Motion switch to the right.

# Rotating the screen

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



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

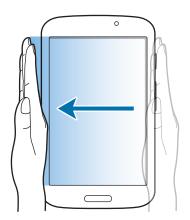


- Some applications do not allow screen rotation.
- Some applications display a different screen depending on the orientation. The calculator turns into a scientific calculator when rotated to landscape.

**Basics** 

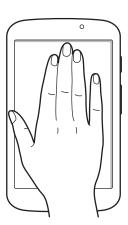
# **Sweeping**

Sweep your hand across the screen to capture a screenshot. The image is saved in **Gallery**  $\rightarrow$  **Screenshots**. It is not possible to capture a screenshot while using some applications.



# Covering

Cover the screen with a palm to pause media playback.



# **Activating Multi Window**

Use this feature to run two applications on the screen at the same time.



- Only applications on the Multi Window panel can run.
- When launching applications that contain multimedia files, such as music or videos, sound from both files will be played.
- This feature may not be available depending on the region or service provider.

To use Multi Window, on the Applications screen, tap **Settings** → **Display**, and then tick **Multi** window.

# **Using the Multi Window panel**

To activate the Multi Window panel, tap and hold . The Multi Window panel appears at the left side of the screen. Select one application, and then drag another application to a new location. To deactivate the Multi Window panel, tap and hold . again.

Drag the bar between the application panels up or down to adjust the size of the panels.

Tap the panel handle to hide or show the panel. When a panel is open, tap and hold the handle and drag it to the left or right edge of the screen to move the panel. When a panel is hidden, tap and hold the handle and drag it up or down to move the handle.

### **Using Multi Window applications**

While using Multi Window applications, tap or wand use one of the following:

- 🗟 : Switch locations between Multi Window applications.
- 🔲 : Maximise the window to fit the screen.
- X: Close the application.

# **Notifications**

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

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.
- **GPS**: Activate or deactivate the GPS feature.
- Sound: Activate or deactivate silent mode.
- **Screen rotation**: Allow or prevent the interface from rotating when you rotate the device.
- Bluetooth: Activate or deactivate the Bluetooth feature.
- Blocking mode: Activate or deactivate blocking mode. In blocking mode, the device will block notifications. To select which notifications will be blocked, tap Settings → Blocking mode.
- Power saving: Activate or deactivate power-saving mode.
- Screen Mirroring: Activate or deactivate the screen mirroring feature.
- Multi window: Set to use Multi Window.
- **Driving mode**: Activate or deactivate driving mode.
- Smart stay: Activate or deactivate the smart stay feature.
- **Sync**: Activate or deactivate auto-syncing of applications.
- Flight mode: Activate or deactivate flight mode.



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

**Basics** 

# Home screen

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

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

### Rearranging items

#### Adding an application icon

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

#### Adding an item

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

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

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

#### Moving an item

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

#### Removing an item

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

### Rearranging panels

#### Adding a new panel

Tap  $\blacksquare$   $\rightarrow$  Edit page  $\rightarrow$   $\blacksquare$ .

#### Moving a panel

Tap  $\Longrightarrow$  Edit page, tap and hold a panel preview, and then drag it to a new location.

#### Removing a panel

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

# Setting wallpaper

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

On the Home screen, tap  $\Longrightarrow$  **Set wallpaper**  $\longrightarrow$  **Home screen**, and then select one of the following:

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

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

### **Using widgets**

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



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

#### Adding widgets to the Home screen

On the Home screen, tap  $Apps \rightarrow Widgets$ . Scroll left or right on the widgets panel, and then tap and hold a widget to add it to the Home screen.

#### Using the setting shortcut widget

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

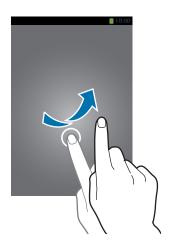
# Locked screen

The locked screen prevents the device from unwanted operation when not in use and also allows you to add convenient widgets.

# Locking and unlocking the device

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

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



# Selecting a user profile

Before unlocking the device, select a user profile at the bottom of the screen to use the device with personalised settings. By setting up multiple user profiles, several users can share access to the device without affecting personal settings of others, such as email accounts and wallpaper. To manage or add other user profiles to the device, on the Home screen, tap  $\mathbf{Apps} \rightarrow \mathbf{Settings} \rightarrow \mathbf{Users}$ .

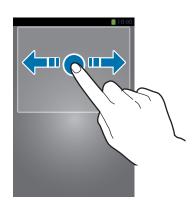
# **Adding widgets**

To use widgets when the screen is locked, on the Applications screen, tap **Settings**  $\rightarrow$  **Lock screen**, and then tick **Multiple widgets**.



You cannot use widgets on the locked screen in easy mode.

Tap the widgets panel area at the upper part of the screen. Scroll right to the last page, tap  $\mathbb{H}$ , and then select a widget to add to the locked screen.



# Rearranging panels

#### Moving a panel

Scroll left or right on the widgets panel area, tap and hold a panel preview, and then drag it to a new location.

#### Removing a panel

Scroll left or right on the widgets panel area, tap and hold a panel preview, and then drag it to the rubbish bin at the top of the screen.

# **Using applications**

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

# Opening an application

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

# Opening from recently-used applications

Press and hold the Home button to open the list of recently-used applications. Select an application icon to open.

# Closing an application

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

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

# **Applications screen**

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

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

To view other panels, scroll left or right.

# Rearranging applications

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

# **Organising with folders**

Put related applications together in a folder for convenience.

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

# **Rearranging panels**

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

# **Installing applications**

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

### **Uninstalling applications**

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



Default applications that come with the device cannot be uninstalled.

# **Sharing applications**

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

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

# Help

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

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

# **Entering text**

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



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

# Changing the keyboard type

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

# **Using the Samsung keyboard**



#### **Entering uppercase**

Tap 1 before entering a character. For all caps, tap it twice.

#### Changing language keyboards

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

#### Handwriting

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



# **Entering text by voice**

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

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

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

# Copying and pasting

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

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

# Connecting to a Wi-Fi network

Connect the device to a Wi-Fi network to use the Internet or share media files with other devices. (p. 91)



Ensure that the Wi-Fi connection is active before using Internet applications.

# **Turning Wi-Fi on and off**

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



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

# Joining Wi-Fi networks

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

### **Adding Wi-Fi networks**

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

# Forgetting Wi-Fi networks

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

# Setting up accounts

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

# Adding accounts

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

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

Set up a Samsung account as well.

### **Removing accounts**

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

# Setting up user profiles

Set up user profiles and then select one when unlocking the device to use personalised settings. By setting up multiple user profiles, several users can share the device without affecting others' personal settings, such as email accounts, wallpaper preferences, and more.

On the Home screen, tap  $Apps \rightarrow Settings \rightarrow Users \rightarrow Add$  user, and then follow the onscreen instructions to set up a new user profile. To access the device with a user profile, select a profile at the bottom of the locked screen.

# **Transferring files**

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



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

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

# **Connecting with Samsung Kies**

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

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

### **Connecting with Windows Media Player**

Ensure that Windows Media Player is installed on the computer.

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

# Connecting as a media device

- 1 Connect the device to the computer using the USB cable.
- Open the notifications panel, and then tap Connected as a media device → Media device (MTP).
  - Tap **Camera** (**PTP**) if your computer does not support Media Transfer Protocol (MTP) or not have any appropriate driver installed.
- 3 Transfer files between your device and the computer.

# Securing the device

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

# Setting a face unlock

On the Applications screen, tap Settings  $\rightarrow$  Lock screen  $\rightarrow$  Screen lock  $\rightarrow$  Face unlock.

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

**Basics** 

### Setting a face and voice unlock

On the Applications screen, tap Settings  $\rightarrow$  Lock screen  $\rightarrow$  Screen lock  $\rightarrow$  Face and voice.

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

### Setting a pattern

On the Applications screen, tap Settings  $\rightarrow$  Lock screen  $\rightarrow$  Screen lock  $\rightarrow$  Pattern.

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



### **Setting a PIN**

On the Applications screen, tap  $\mathbf{Settings} \to \mathbf{Lock} \ \mathbf{screen} \to \mathbf{Screen} \ \mathbf{lock} \to \mathbf{PIN}.$ 

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

### Setting a password

On the Applications screen, tap **Settings**  $\rightarrow$  **Lock screen**  $\rightarrow$  **Screen lock**  $\rightarrow$  **Password**.

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

## Unlocking the device

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



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

## **Upgrading the device**

The device can be upgraded to the latest software.



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

## **Upgrading with Samsung Kies**

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



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

## Upgrading over the air

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

On the Applications screen, tap Settings  $\rightarrow$  About device  $\rightarrow$  Software update  $\rightarrow$  Update.

## Communication

## **Contacts**

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

Tap Contacts on the Applications screen.

## **Managing contacts**

#### **Creating a contact**

Tap  $\blacksquare$  and enter contact information.

- 📓 : Add an image.
- ① / ② : Add or delete a contact field.

#### **Editing a contact**

Select a contact to edit, and then tap .

#### Deleting a contact

Тар 🛅.

## **Searching for contacts**

Use one of the following search methods:

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

Communication

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

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

## Importing and exporting contacts

#### Moving contacts to Google

Tap  $\blacksquare$   $\rightarrow$  Merge accounts  $\rightarrow$  Merge with Google.

Contacts moved to Google Contacts appear with **1** in the contacts list.

#### Moving contacts to Samsung

Tap  $\blacksquare \rightarrow$  Merge accounts  $\rightarrow$  Merge with Samsung.

Contacts moved to Samsung Contacts appear with <a>I</a> in the contacts list.

#### **Importing contacts**

Tap  $\blacksquare \rightarrow \text{Import/Export} \rightarrow \text{Import from SD card}$  or Import from USB storage.

#### **Exporting contacts**

Tap  $\blacksquare \rightarrow$  Import/Export  $\rightarrow$  Export to SD card or Export to USB storage.

#### **Sharing contacts**

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

#### **Favourite contacts**

Tap **Contacts** → **Favourites**.

Tap **□**, and then take one of the following actions:

- Search: Search for contacts.
- Add to favourites: Add contacts to favourites.
- Remove from favourites: Remove contacts from favourites.
- Grid view / List view: View contacts in grid or list form.

## **Contact groups**

Tap Contacts  $\rightarrow$  Groups.

#### Adding contacts to a group

Select a group, and then tap  $\blacksquare \rightarrow Add$  member. Select contacts to add, and then tap **Done**.

#### Managing groups

Tap **□**, and then take one of the following actions:

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

#### Sending an email to a group's members

Select a group, tap  $\blacksquare \rightarrow$  Send email, select members, and then tap **Done**.

#### **Business card**

Create a business card and send it to others.

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

Tap  $\Longrightarrow$  Share namecard via, and then select a sharing method.

## **Email**

Use this application to send or view email messages.

Tap **Email** on the Applications screen.

## Setting up email accounts

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

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

To set up another email account, tap  $\blacksquare \rightarrow$  Settings  $\rightarrow$  Add account.

## Sending messages

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

Tap **1** to add a recipient from the contacts list.

Tap +Cc/Bcc to add more recipients.

Tap **②** to attach images, videos, contacts, memos, events, and others.

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

## Sending scheduled messages

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

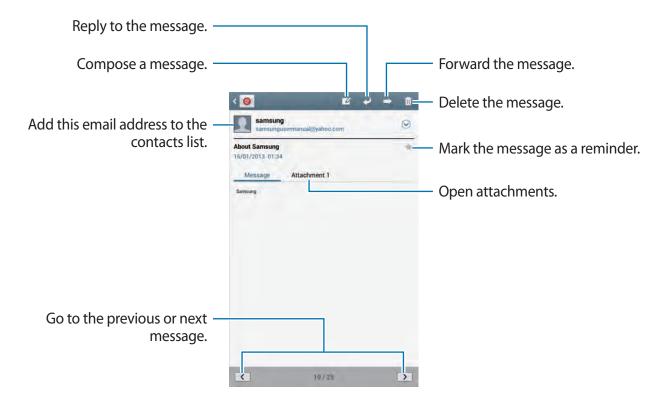


- If the device is turned off at the scheduled time, is not connected to the network, or the network is unstable, the message will not be sent.
- This feature is based on the time and date set on the device. The time and date may be incorrect if you move across time zones and the network does not update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

## **Reading messages**

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

Tap a message to read.



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

## **Google Mail**

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

Tap Google Mail on the Applications screen.



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

## **Sending messages**

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

Tap +CC/BCC to add more recipients.

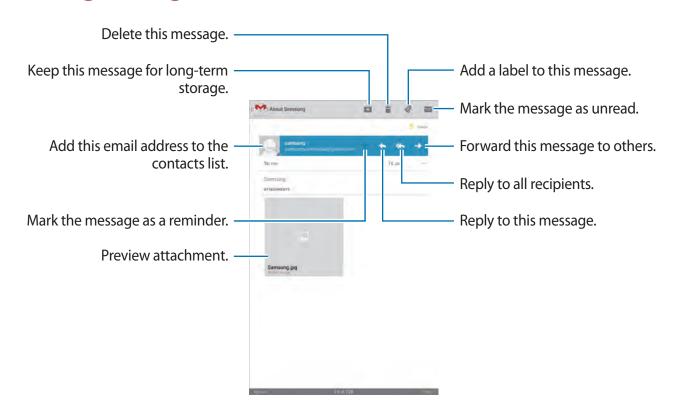
Tap ➡ to attach images.

Tap  $\blacksquare$   $\rightarrow$  **Save draft** to save the message for later delivery.

Tap  $\blacksquare$   $\rightarrow$  **Attach video** to attach videos.

Tap  $\blacksquare \rightarrow$  **Discard** to start over.

### **Reading messages**



Communication

#### Labels

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

To add a label to a message, select the message, tap , and then select the label to assign.

## **Talk**

Use this application to chat with others via Google Talk.

Tap **Talk** on the Applications screen.



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

## **Public profile**

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

## **Adding friends**

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

## **Chatting with friends**

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

To add a friend to chat, tap  $\implies$  Add to chat.

To end the chat, tap  $\blacksquare \rightarrow End chat$ .

## Switching between chats

Scroll left or right.

## **Deleting chat history**

Chats are automatically saved. To delete chat history, tap  $\implies$  Clear chat history.

## **ChatON**

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

Tap **ChatON** on the Applications screen.



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

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

Select a buddy to start chatting.

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

## Web & network

## Internet

Use this application to browse the Internet.

Tap Internet on the Applications screen.

## Viewing webpages

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

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

## Opening a new page

Тар 🛨.

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

## Searching the web by voice

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



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

#### **Bookmarks**

To bookmark the current webpage, tap ★.

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

#### **History**

Tap  $\blacksquare \rightarrow$  History to open a webpage from the list of recently-visited webpages. To clear the history, tap  $\blacksquare \rightarrow$  Clear history.

Tap  $\square$   $\rightarrow$  History  $\rightarrow$  Most visited to open a webpage from the list of most visited webpages.

## Saved pages

To view saved webpages, tap  $\square$   $\rightarrow$  **Saved pages**.

#### Links

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

To view saved webpages, tap  $\blacksquare \to Downloads$ .

## **Sharing webpages**

To share a webpage address with others, tap  $\blacksquare \rightarrow$  Share page.

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

## **Chrome**

Use this application to search for information and browse webpages.

Tap **Chrome** on the Applications screen.



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

## Viewing webpages

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

## Opening a new page

Tap  $\blacksquare \rightarrow$ New tab.

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

## Searching the web by voice

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

## Syncing with other devices

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

To view open tabs on other devices, tap  $\blacksquare \rightarrow$  Other devices. Select a webpage to open.

To view bookmarks, tap  $\blacksquare \rightarrow Bookmarks$ .

## **Bluetooth**

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



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

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

#### Pairing with other Bluetooth devices

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

## Sending and receiving data

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

## **Screen Mirroring**

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



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

On the Applications screen, tap **Settings**  $\rightarrow$  **More settings**  $\rightarrow$  **Screen Mirroring**, and then drag the **Screen Mirroring** switch to the right. Select a device, open or play a file, and then control the display with the keys on your device.

## Samsung Link

Use this application 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.

To use this application, you must sign in to your Samsung account and register two or more devices as file servers. The registration methods may vary depending on the device type. To get more details, tap  $\blacksquare \rightarrow FAQ$ .

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



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

When opening this application, recent contents from all your registered devices will appear. You can browse and play them. To start sharing files, scroll to **DEVICES & STORAGE** and select an option.

## **Sending files**

Send files to other devices or upload them to web storage servers.

Select a device, tap , select files, and then tap **Done**.

## **Sharing files**

Select a device or web storage, tap **\( \scrt{\scrt{c}} \)**, select files, tap **Done**, and then select a sharing method.

## Playing files on a remote device

Select a device or web storage, tap , select a file, and then select a 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.

### Using the Group Play feature

Share screens with multiple devices. Select a media category and tap . Select files, tap **Done**, and then tap **Group Play**. A Group Play session is created and the files are shared with other devices in the session.

## Managing contents on a web storage server

Select a web storage server, and then view and manage your files.

To download files from a web storage server, tap  $\square$ , select files, and then tap **Done**.

To register web storage servers to the device, tap  $\blacksquare \to Settings \to Registered storage \to \blacksquare$ , and then select a web storage server.

## **Group Play**

Use this application to share screens with multiple devices. Create or join a Group Play session, and then share images, documents, or music.

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



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

## **Creating a group for Group Play**

Tap **Create group**, and then use the following features:

- Share music: Select music files to share. You can connect two or more devices and use them to achieve a sound effect.
- Share pictures: Select images to share.

- Share documents: Select documents to share.
- Play games: Play online games with friends.

Tap and write a note or draw on the screen. All participants can see what you create.

Tap I to view all shared images in mosaic layout.

Tap 🗊 to select more images or documents.

Tap 1 to view the group participants.

## **Joining Group Play**

Tap **Join group**, and then select a Group Play session to join. Select a media category and the content that is currently being shared will appear on the device.

## **WatchON**

Use this application to connect to a TV to watch your favourite shows and movies.

Tap WatchON on the Applications screen.

You must first connect the device to a network and ensure that the device's infrared port is facing the TV.

## Connecting to a TV

Connect to a TV to display the device's screen onto a large surface and control the TV remotely with the device.

Tap **Set up now**, and then follow the on-screen instructions to register the TV to the device. The steps vary depending on the options you choose.

To connect to other devices, tap  $\blacksquare \rightarrow$  Settings  $\rightarrow$  My room  $\rightarrow$  Add devices.

### **Watching TV**

Select from the TV programme suggestions based on your choice when registering a TV or select a category at the top of the screen. Select a TV programme and then tap **Watch now**. The selected programme will show up on the connected TV.

Tap and open the control panel to control the TV.

## Setting programme reminders

Tap the time at the bottom of the screen and select a time for a TV programme you want to watch. Select a programme, tap **Reminder**, and then set an alarm time to remind you of the TV programme.

## **Smart Remote**

Use this application to connect to a personal TV to watch your favourite shows and movies.

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

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



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

### Connecting to a TV

Connect to a TV to display the device's screen onto a large surface and control the TV remotely with the device.

Tap **Choose Your Country or Region**, select a region and the TV brand, and then follow on-screen instructions to register the TV to the device. The steps vary depending on the options you choose.

## Watching the personalised TV

Select from the TV programme suggestions based on your choice when registering a TV or select a category at the top of the screen. Select a TV programme and then tap **Watch On TV**. The selected programme will show up on the connected TV.

Use the buttons on the control panel on the right side of the screen to control the TV.

## Setting programme reminders

Tap the time at the top of the screen and select a time for a TV programme you want to watch. Select a programme, tap , and then set an alarm time to remind you of the TV programme.

## Media

## **Music Player**

Use this application to listen to music.

Tap Music Player on the Applications screen.

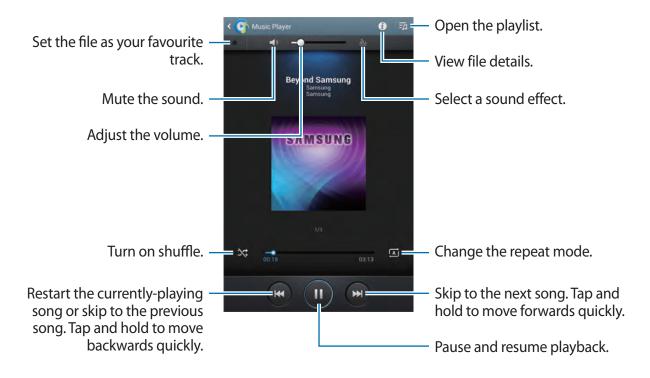


- Some file formats are not supported depending on the device's software version.
- Some files may not play properly depending on the encoding used.

## **Playing music**

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

Tap the album image to open the music player screen.



## **Creating playlists**

Make an own selection of songs.

Tap  $\overline{so} \rightarrow \text{New playlist}$ . Enter a title and tap **OK**. Select songs to include, and then tap **Done**.

To add the currently-playing song to a playlist, tap  $\implies$  Add to playlist.

## Playing music by mood

Play music grouped by mood. The playlist is automatically created by the device. When a new song is added, tap **Music square**  $\rightarrow$   $\boxed{a}$ .

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

## **Camera**

Use this application to take photos or videos.

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

Tap Camera on the Applications screen.



The camera automatically shuts off when unused.

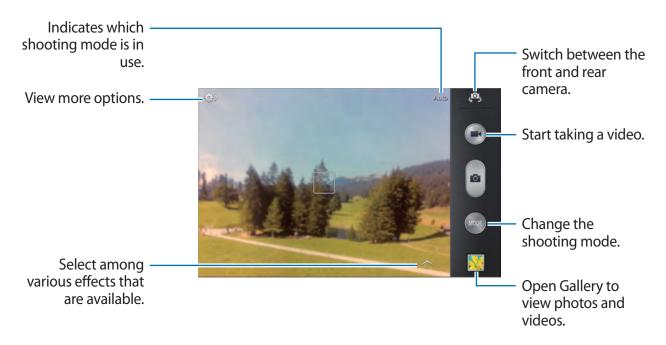
#### Camera etiquette

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

### **Taking photos**

#### Taking a photo

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



#### **Shooting mode**

Several photo effects are available.

Tap MODE, and then scroll up or down the screen at the right side of the screen.

- Auto: Use this to allow the camera to evaluate the surroundings and determine the ideal mode for the photo.
- Beauty face: Take a photo with lightened faces for gentler images.
- Sound & shot: Use this to take a photo with sound.
   Tap to take a photo. The device records a few seconds of audio after taking a photo.



While taking photos in this mode, sound is recorded by the internal microphone.

- Cinema photo: Use this to create animated photos from a video.
- Panorama: Take a photo composed of many photos strung together.

To get the best shot, follow these tips.

- Move the camera slowly in one direction.
- Keep the camera's viewfinder within the guidelines.
- Avoid taking photos of a subject in front of unrecognisable backgrounds, such as empty skies or plain walls.
- **Sports**: Use this setting for fast-moving subjects.
- Night: Use this setting for images taken in darker conditions.

#### **Panoramic photos**

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

Tap **MODE** → **Panorama**.

Tap and move the camera in any direction. When two panorama guide frames are aligned, the camera automatically takes another shot in a panoramic sequence. To stop shooting, tap .

## **Taking videos**

#### Taking a video

Tap . To pause recording, tap . To stop recording, tap .





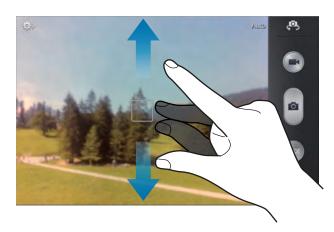
The zoom function may not be available when recording at the highest resolution.

#### **Recording mode**

Tap  $\Longrightarrow$   $\to$   $\Longrightarrow$  to change recording mode.

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

## **Zooming in and out**



Use one of the following methods:

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



- The zoom function may not be available when shooting at the highest resolution.
- The zoom in/out effect is available when using the zoom feature while shooting video.

#### Share shot

Tap  $\Longrightarrow$   $\longrightarrow$   $\leqslant$ , and then select one of the following:

- Share shot: Send a photo directly to another device via Wi-Fi Direct.
- Buddy photo share: Set the device to recognise a person's face that you have tagged in a photo and send it to that person.
- ChatON photo share: Send a photo to another device via ChatON.
- Remote viewfinder: Set the device to control the camera remotely.

## Controlling the camera remotely

Set the device as a viewfinder to control the camera remotely.

Tap  $\longrightarrow$  Remote viewfinder, and then connect the device and the camera using Wi-Fi Direct. Tap  $\bigcirc$  to take a photo remotely using the device as a viewfinder.

## **Configuring settings for Camera**

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

- **Photo size** / **Movie size**: Select a resolution. Use higher resolution for higher quality. But it takes up more memory.
- Metering: Select a metering method. This determines how light values are calculated.
   Centre-weighted measures background light in the centre of the scene. Spot measures the light value at a specific location. Matrix averages the entire scene.
- **ISO**: Select an ISO value. This controls camera light sensitivity. It is measured in film-camera equivalents. Low values are for stationary or brightly-lit objects. Higher values are for fast-moving or poorly-lit objects.

- Focus mode: Select a focus mode. Auto focus is camera-controlled. Macro is for very close objects.
- **GPS tag**: Attach a GPS location tag to the photo. Activate this feature when taking photos to create albums in **Story Album**.



- To improve GPS signals, avoid shooting in locations where the signal may be obstructed, such as between buildings or in low-lying areas, or in poor weather conditions.
- Your location may appear on your photos when you upload them to the Internet.
   To avoid this, deactivate the GPS tag setting.
- · Review: Briefly display photos taken.
- Volume key: Set the device to use the Volume button to control the shutter or zoom function.
- **Timer**: Use this for delayed-time shots.
- White balance: Select an appropriate white balance, so images have a true-to-life colour range. The settings are designed for specific lighting situations. These settings are similar to the heat range for white-balance exposure in professional cameras.
- **Exposure value**: Change the exposure value. This determines how much light the camera's sensor receives. For low-light situations, use a higher exposure.
- Guidelines: Display viewfinder guides to help composition when selecting subjects.
- Voice control: Set the camera to take photos with voice commands.
- **Contextual filename**: Set the camera to display contextual tags. Activate this to use Tag Buddy in **Camera** and **Story Album**.
- Save as flipped: Invert the image to create a mirror-image of the original scene.
- **Storage**: Select the memory location for storage.
- Reset: Reset the camera settings.

#### **Shortcuts**

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

Tap  $\blacksquare$   $\rightarrow$  Edit quick settings.

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

## **Gallery**

Use this application to view images and videos.

Tap **Gallery** on the Applications screen.



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

## Viewing images

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

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

#### Zooming in and out

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

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

## **Playing videos**

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

## **Editing images**

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

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

## **Favourite images**

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

### **Deleting images**

Use one of the following methods:

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

## **Sharing images**

Use one of the following methods:

## Setting as wallpaper

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

## **Tagging faces**

Tap □ → Settings, and then tick Face tag. A yellow frame appears around the recognised face on an image. Tap the face, tap Add name, and then select or add a contact.

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



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

## **Story Album**

Use this application to create your own digital album to keep your stories by organising the images neatly and automatically.

Tap **Story Album** on the Applications screen.

## **Creating story albums**

Tap Create album  $\rightarrow$  By tag information to create a story album automatically. Select criteria, and then tap Find pictures. Enter a title for the album, select a theme, and then tap Create album.

To create it manually, tap Create album  $\rightarrow$  From the Gallery.

## Creating recommended albums

When you take photos at one location, the device automatically sorts your photos into albums based on your specified criteria and suggests making the new albums.

Tap  $\blacksquare \rightarrow$  **Settings**  $\rightarrow$  **Home city**, and then set a method for recognising your location. Select an album type and set a minimum number of photos.

When you take photos that meet the criteria you set, the device will suggest making an album.

Tap **Create album**  $\rightarrow$  **From suggestions**. Select an album, enter a title for the album, and then tap **Save**.



The device will recommend making story albums when you surpass the preset number of photos in a single day.

### Viewing story albums

Select a story album. The cover image appears on the first page. Scroll left or right to view images in the story album.

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

- Add content: Add more content to the current page.
- Remove content: Delete content on the current page.
- Change theme: Change the theme for the page layout.
- **Slideshow**: Start a slideshow with the images in the current album.
- Share via: Send the album to others.
- **Print**: Print the album via a USB or Wi-Fi connection. The device is only compatible with some Samsung printers.
- Order photo book: Place an order for a printed album.
- Export Album: Export the album to other storage locations.
- Delete album: Delete the album.

## **Editing images**

Tap the image of the page in an album.

To add a caption, tap .

To send the image to others, tap **<**.

To delete the image, tap ...

To apply effects to the image, tap \_\_\_\_.

To start a slideshow, tap  $\blacksquare \rightarrow$  Slideshow  $\rightarrow$  Start slideshow.

To set the image as an album cover image, tap  $\Longrightarrow$  **Set as cover**.

To rotate the image anticlockwise, tap  $\blacksquare \rightarrow$ Rotate Left.

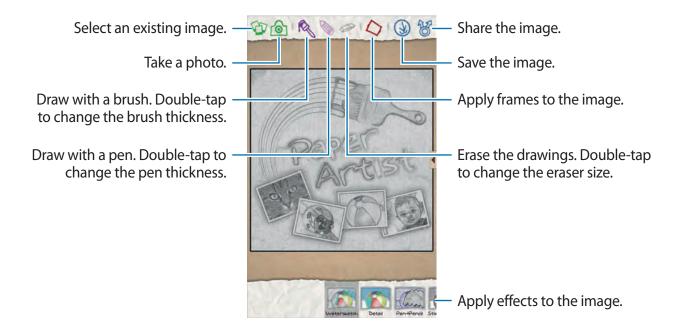
To rotate the image clockwise, tap  $\blacksquare \rightarrow$  **Rotate Right**.

## **Paper Artist**

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

Tap Paper Artist on the Applications screen.

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



## Video Player

Use this application to play video files.

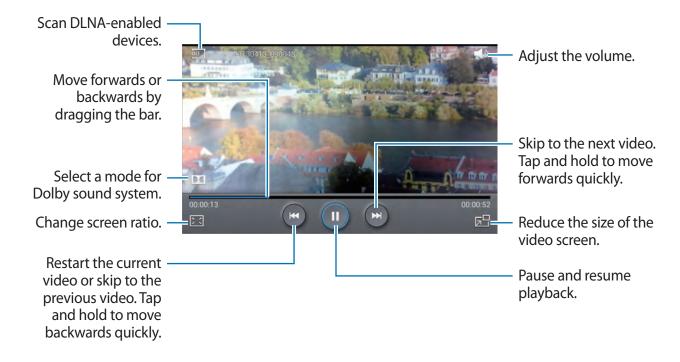
Tap Video Player on the Applications screen.



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

## **Playing videos**

Select a video to play.



## **Deleting videos**

Tap  $\blacksquare$   $\rightarrow$  **Delete**, select videos by ticking, and then tap **Delete**.

### **Sharing videos**

Tap  $\blacksquare \rightarrow$  Share via, select a sharing method, select videos by ticking, and then tap Share.

## **Using Popup Video player**

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

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

## YouTube

Use this application to watch videos from the YouTube website.

Tap YouTube on the Applications screen.



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

## Watching videos

Tap , and then enter a keyword. Select one of the returned search results to watch a video. Rotate the device to landscape orientation to display full screen.



### **Sharing videos**

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

## **Uploading videos**

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

## **Flipboard**

Use this application to access your personalised magazines.

Tap **Flipboard** on the Applications screen.



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

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

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

While reading an article, use the following icons:

- < : Go to the previous page.
- $\square$ : View others' comments about the article.
- 13 : Share the article via Twitter.
- < : Share the article with others.
- ₼: Set the article as your likes in Facebook.
- Add the article to the favourites list in Twitter.

# **Application & media stores**

## **Play Store**

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

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



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

## **Installing applications**

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

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



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

### **Uninstalling applications**

Uninstall the applications purchased from Play Store.

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

## Samsung Apps

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

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



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

## **Installing applications**

Browse applications by category. Tap \equiv to select a category.

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



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

## **Game Hub**

Use this application to access games.

Tap Game Hub on the Applications screen.



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

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

#### **Music Hub**

Use this application to play music and purchase songs or albums from the Music Hub catalogue.

Subscribe to the Music Hub premium service to:

- sync your personal music collection to the cloud storage server,
- stream full-length songs from the Music Hub catalogue,
- · discover music by receiving customised recommendations, and
- listen to your personal radio

To get more details, tap  $\blacksquare \rightarrow Help$ .

Tap Music Hub on the Applications screen.



- This application may not be available depending on the region or service provider.
- Some features may be labelled differently depending on the subscription terms.
- Some features including streaming services may not be available depending on the region or service provider.

#### **MY MUSIC**

This provides all music on your computer that has Music Hub installed. You can create new playlists and sync with your computer automatically. To play music, select a music category and then select a song to play.

#### **STORE**

This provides a music catalogue to browse and stream music. To stream music, select a music category, and then select a song to play. To purchase songs, tap  $\odot$  next to a song and then tap the option for purchase.

#### **RADIO**

Listen to music on personal radio stations.

## **Play Books**

Use this application to read and download book files.

Tap Play Books on the Applications screen.



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

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

To purchase book files, tap 🔊.

## **Play Movies**

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

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



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

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

## **Play Music**

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

Tap Play Music on the Applications screen.



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

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

### **Readers Hub**

Use this application to download and read book files.

Tap Readers Hub on the Applications screen.



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

Select a book to read. To download book files, go to the Readers Hub Store.

### Video Hub

Use this application to access and purchase videos.

Tap Video Hub on the Applications screen.



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

Select a category, and then select a video.

## **Learning Hub**

Use this application to access learning material.

Tap Learning Hub on the Applications screen.



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

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

## **Utilities**

### Memo

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

Tap **Memo** on the Applications screen.

#### **Composing memos**

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

To change the background colour, tap  $\blacksquare \rightarrow$  Colour.

To lock the memo so that others cannot view it, tap  $\implies$  Lock.

#### **Browsing memos**

Browse memo thumbnails by scrolling up or down.

To edit the memo, tap the memo.

To search for a memo, tap <a>
</a>.

To change the view mode, tap **=**.

To delete memos, tap 🔟.

To send memos to others, tap  $= \rightarrow$  Share via.

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

To sync memos with an online service, tap  $\blacksquare \rightarrow$  Memo sync.

#### Viewing a memo

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

Tap and use the following:

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

#### **S Planner**

Use this application to manage events and tasks.

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

#### Creating events or tasks

Tap #, and then use one of the following methods:

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

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



Utilities

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

Invite others to the event by sending an email. Enter the email address to the **Participants** filed, or tap **1** to open the contacts list.

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

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

#### Syncing with Google Calendar

On the Applications screen, tap **Settings**  $\rightarrow$  **Google** under **Accounts**, select the Google account, and then tick **Sync Calendar**. To manually sync for updating, on the Applications screen, tap **S Planner**  $\rightarrow$   $\square$   $\rightarrow$  **Sync**.

To display synced event or task, tap  $\blacksquare \rightarrow$  Settings  $\rightarrow$  View settings  $\rightarrow$  Calendars  $\rightarrow$  Display, select the Google account, and then tap OK.

### **Changing calendar type**

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

### **Searching for events**

Tap , and then enter a keyword to search for.

To view today's events, tap **Today** at the top of the screen.

Utilities

#### **Deleting events**

Select a date, and then tap  $\blacksquare \rightarrow$  **Delete**.

#### **Sharing events**

Select an event, tap  $\equiv$   $\rightarrow$  **Share via**, and then select a sharing method.

## **Dropbox**

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

Tap **Dropbox** on the Applications screen.



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

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

Once Dropbox is activated, photos and videos taken with the device's camera are uploaded to Dropbox automatically. To view the uploaded photos or videos, tap  $\square$ . To share or delete files or create albums, tap  $\square$ , and then select files.

While viewing images or videos, tap  $\bigstar$  to add it to the favourites list. To open files in the favourites list, tap  $\bigstar$ .

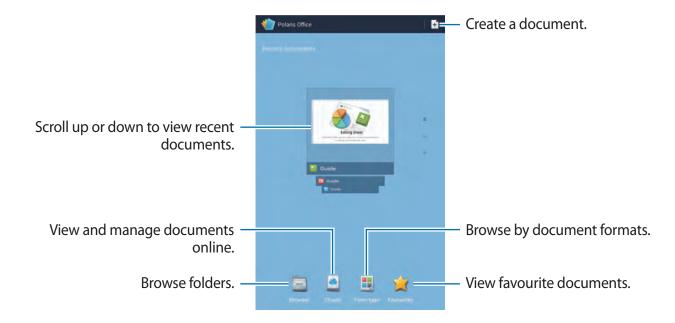
### **Polaris Office**

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

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



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



#### **Creating documents**

Tap **.**, and then select a document type.

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

To finish, tap  $\blacksquare \to$ Save, enter a filename, select a folder to save to, and then tap Save.

#### **Reading documents**

Tap a file in **Recent documents**. Or tap **Browser**, **Clouds**, **Form type**, or **Favourites**, and then select a file to open.

To start a slideshow, tap  $\blacksquare \rightarrow$  Slide Show.

To search for a text string in the document, tap **!!!**.

Tap **□**, and then use one of the following functions:

#### **Document**

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

#### **Presentation**

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

#### **Spreadsheet**

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

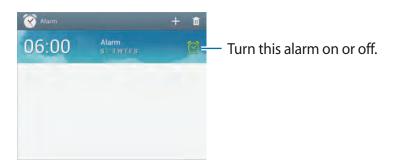
#### **Text**

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

### **Alarm**

Use this application to set wake-up calls and alarms for important events.

Tap **Alarm** on the Applications screen.



Utilities

#### **Setting alarms**

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

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

### **Stopping alarms**

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

#### **Deleting alarms**

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

### **World Clock**

Use this application to check the time in any location in the world.

Tap World Clock on the Applications screen.

### **Creating clocks**

Tap  $\mathfrak{G}$ , enter a city name or select a city from the globe, and then tap +.

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

#### **Deleting clocks**

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

### **Calculator**

Use this application for simple or complex calculations.

Tap Calculator on the Applications screen.

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

To see calculation history, tap \_\_\_\_\_ to hide the keypad.

To clear history, tap  $\blacksquare \rightarrow$  Clear history.

To change the character size for history, tap  $\Longrightarrow$  **Text size**.

#### **S** Voice

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

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



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

Here are several examples of spoken commands:

- · Open music
- Launch calculator
- Check schedule

Tips for better voice recognition

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

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

Utilities

## Google

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

Tap Google on the Applications screen.

#### Searching the device

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

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

To search with an image, tap  $\blacksquare \rightarrow$  Search with camera. Aim the camera at an image, and then tap  $\blacksquare$ .

### Search scope

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

### **Google Now**

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

Join Google Now when opening Google search for the first time. To change Google Now settings, tap  $\Longrightarrow$  Settings  $\rightarrow$  Google Now.



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

### **Voice Search**

Use this application to search webpages by speaking.

Tap Voice Search on the Applications screen.



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

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

## **My Files**

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

Tap My Files on the Applications screen.

Select a folder to open it. To go back to the parent folder, tap 1. To return to the root directory, tap 1.

In a folder, use one of the following functions:

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

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

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

Utilities

### **Downloads**

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

Tap **Downloads** on the Applications screen.



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

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

Select a file to open it with an appropriate application.

## **TripAdvisor**

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

Tap **TripAdvisor** on the Applications screen.

## **Travel & local**

### Maps

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



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

#### **Searching for locations**

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

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

- Clear Map: Clear the map.
- Make available offline: Save the map of a specified area to view it offline.
- Local: Search for nearby locations.
- · Layers: Overlay multiple layers including satellite images, traffic information, and more.
- Latitude: Share location information with friends.
- My Places: View offline maps, starred places, recent places, and more.
- Settings: Change the map settings.
- Help: View information about using the map.

To view current location, tap .

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

#### **Getting directions for a destination**

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

### Local

Use this application to search for nearby restaurants, banks, bus stops, and more. Tap **Local** on the Applications screen.



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

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

- Map: Pinpoint the place on the map.
- Directions: Search for a route to the place.

To add a place category, tap  $= \rightarrow$  Add a search on the category list, enter a keyword to search into the text field.

## **Navigation**

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

Tap **Navigation** on the Applications screen.



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

Specify the destination by using one of the following methods:

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

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

# Settings

## **About Settings**

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

#### Wi-Fi

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

To use options, tap =.

- Advanced: Customise Wi-Fi settings.
- WPS push button: Connect to a secured Wi-Fi network with a WPS button.
- WPS PIN entry: Connect to a secured Wi-Fi network with a WPS PIN.
- Help: Access help information for Wi-Fi.

### **Setting Wi-Fi sleep policy**

On the Settings screen, tap Wi-Fi  $\rightarrow$   $\blacksquare$   $\rightarrow$  Advanced  $\rightarrow$  Keep Wi-Fi on during sleep.

#### **Setting Network notification**

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

On the Settings screen, tap Wi-Fi  $\rightarrow \blacksquare \rightarrow$  Advanced and tick Network notification to activate this feature.

Settings

#### Wi-Fi Direct

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

On the Settings screen, tap  $Wi-Fi \rightarrow Wi-Fi Direct$ .

### **Bluetooth**

Activate the Bluetooth feature to exchange information over short distances.

### Data usage

Keep track of your data usage amount.

## More settings

Customise settings to control connections with other devices or networks.

#### Flight mode

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

#### **VPN**

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

#### **Nearby devices**

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

#### **Screen Mirroring**

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

#### Kies via Wi-Fi

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

## **Blocking mode**

Select which notifications will be blocked and how long to block them.

### Sound

Change settings for various sounds on the device.

- **Volume**: Adjust the volume level for music and videos, system sounds, and notifications.
- **Default notification sound**: Select a ringtone for events, such as incoming messages and alarms.
- **Touch sounds**: Set the device to sound when selecting an application or option on the touch screen.
- Screen lock sound: Set the device to sound when locking or unlocking the touch screen.

## **Display**

Change the settings for the display.

- Wallpaper:
  - **Home screen**: Select a background image for the Home screen.
  - Lock screen: Select a background image for the locked screen.
  - Home and lock screens: Select a background image for the Home screen and the locked screen.
- Notification panel: Customise the items that appear on the notifications panel.
- Multi window: Set the device to use Multi Window.
- Screen mode: Select a display mode.
  - Adapt display: Use this mode for optimising the display according to the display settings.
  - Dynamic: Use this mode to make the display tone more vivid.
  - **Standard**: Use this mode for normal surroundings.
  - Movie: Use this mode for dim surroundings, such as in a dark room.
- **Brightness**: Set the brightness of the display.
- Screen timeout: Set the length of time the device waits before turning off the display's backlight.
- Daydream: Set the device to launch a screensaver when your device is connected to a desktop dock or charging.
- Smart screen:
  - **Smart stay**: Set the device to prevent the display backlight from turning off while you are looking at the display.
  - **Smart rotation**: Set the interface not to rotate according to the orientation of your face.
- Font style: Change the font type for display text.
- Font size: Change the font size.
- Touch key light duration: Set the duration for the touch button backlight.
- **Display battery percentage**: Set the device to view the remaining battery life.
- Edit after screen capture: Set the device to edit the screenshot after capturing it.

## **Storage**

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



Formatting a memory card permanently deletes all data from it.



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

## Power saving mode

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

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

## **Battery**

View the amount of battery power consumed by your device.

## **Application manager**

View and manage the applications on your device.

#### **Users**

Set up and manage user profiles for personalised settings.

### **Location services**

Change settings for location information permissions.

- Access to my location: Set the device to allow applications to use your current location information.
- Use GPS satellites: Set the device to use the GPS satellite for finding the current location.
- Wi-Fi & mobile network location: Set the device to allow location data collection and to determine the location of your lost or stolen device via Wi-Fi.
- **My places**: Set up profiles that will be used for specific locations when you use GPS, Wi-Fi, or Bluetooth features to find your current location.

### Lock screen

Change settings for the locked screen. Available options may vary, depending on the screen lock feature selected.

- Screen lock: Activate the screen lock feature.
- Multiple widgets: Set the device to allow use of widgets on the locked screen.
- Lock screen widgets: These settings are applied only when you set the swipe lock option.
  - **Clock or personal message**: Set the device to show a clock or personal message on the locked screen. The following options may vary, depending on your selection.

#### For a clock:

- Owner information: Enter your information that is shown with the clock.
- **Clock size**: Change the size of the clock.
- Show date: Set the device to show the date with the clock.

#### For a personal message:

- **Edit personal message**: Edit the personal message.
- **Unlock effect**: Select an effect when you unlock the screen.
- **Help text**: Set the device to show the help text on the locked screen.
- Wake up in lock screen: Set the device to recognise your wake up command when the screen is locked.
- Set wake-up command: Set a wake up command to launch S Voice or perform a specified function.

## **Security**

Change settings for securing the device.

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



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

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



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

- Remote controls: Set the device to allow control of your lost or stolen device remotely via the Internet. To use this feature, you must sign in to your Samsung account.
  - Account registration: Add or view your Samsung account.
  - Wi-Fi & mobile network location: Set the device to allow location data collection and to determine the location of your lost or stolen device via Wi-Fi.

#### Settings

- 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.
- Make passwords visible: By default, the device hides passwords for security. Set the device to display passwords as they are entered.
- **Device administrators**: View device administrators installed on the device. You can allow device administrators to apply new policies to the device.
- **Unknown sources**: Choose to install applications from any source. If not chosen, download applications only from **Play Store**.
- Verify apps: Set this to allow Google to check the application for harmful behaviour before installing it.
- Trusted credentials: Use certificates and credentials to ensure secure use of various applications.
- Install from device storage: Install encrypted certificates stored on the USB storage.
- Clear credentials: Erase the credential contents from the device and reset the password.

## Language and input

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

#### Language

Select a display language for all menus and applications.

#### **Default**

Select a default keyboard type for text input.

#### Google voice typing

To change the voice input settings, tap .

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

#### Samsung keyboard

To change the Samsung keyboard settings, tap 🌣.



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

- Input languages: Select languages for text input.
- **Predictive text**: Activate predictive text mode to predict words based on your input and show word suggestions. You can also customise the word prediction settings.
- Continuous input: Set the device to enter text by sweeping on the keyboard.
- **Handwriting**: Customise settings for handwriting mode, such as recognition time, pen thickness, or pen colour.
- Advanced:
  - **Auto capitalisation**: Set the device to automatically capitalise the first character after a final punctuation mark, such as a full stop, question mark, or exclamation mark.
  - **Auto spacing**: Set the device to automatically insert a space between words.
  - Auto-punctuate: Set the device to insert a full stop when you double-tap the space bar.
  - **Character preview**: Set the device to display a large image of each character tapped.
  - **Key-tap sound**: Set the device to sound when a key is touched.
- Tutorial: Learn how to enter text with the Samsung keyboard.
- Reset settings: Reset Samsung keyboard settings.

#### Voice recogniser

Select a voice recognition engine.

#### Voice search

For Samsung voice recognition, use the following options:

- Language: Select a language for the voice recognition.
- Open via the home key: Set the device to launch S Voice by pressing the Home button twice.
- Use location data: Set the device to use location information for voice search results.
- **Hide offensive words**: Hide offensive words from voice search results.
- Help: Access help information for **S Voice**.
- About: View version information.
- Voice control: Control applications by voice commands.
- Wake up command: Set the device to start voice recognition by saying a wake up command while using **S Voice**.
- Wake up in lock screen: Set the device to recognise your wake up command when the screen is locked.
- Set wake-up command: Set a wake up command to launch S Voice or perform a specified function.
- Check missed events: Set the device to check messages, or events when S Voice is launched by pressing the headset button.
- Home address: Enter your home address to use location information with the voice command feature.
- Log in to Facebook: Enter your Facebook account information by voice.
- Log in to Twitter: Enter your Twitter account information by voice.

Settings

For 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 from voice search results.
- Download offline speech recognition: Download and install language data for offline voice input.

#### **Text-to-speech options**

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

#### Pointer speed

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

### Cloud

Change settings for syncing data or files with your Samsung account or Dropbox cloud storage.

## **Backup and reset**

Change the settings for managing settings and data.

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

### Add account

Add email or SNS accounts.

### **Motion**

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

- Palm swipe to capture: Set the device to capture an image of the screen when you sweep your hand to the left or right across the screen.
- Palm touch to mute/pause: Set the device to pause media playback when you touch the screen with your palm.
- Learn about hand motions: View the tutorial for controlling hand motions.

#### Voice control

Change settings to control options by voice commands.

Settings

#### Date and time

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

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

- Set date: Set the current date manually.
- **Set time**: Set the current time manually.
- **Select time zone**: Set the home time zone.
- Use 24-hour format: Display time in 24-hour format.
- Select date format: Select a date format.

## **Accessibility**

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

- Auto-rotate screen: Set the interface to rotate automatically when you rotate the device.
- **Screen timeout**: Set the length of time the device waits before turning off the display's backlight.

- Speak passwords: Set the device to read aloud passwords you enter with Talkback.
- Show shortcut: Add a shortcut to Accessibility on the quick menu that appears when you press and hold the Power button.
- Manage accessibility: Export or import the accessibility settings to share them with other devices.
- TalkBack: Activate Talkback, which provides voice feedback.
- Font size: Change the font size.
- Magnification gestures: Set the device to zoom in and out with finger gestures.
- **Negative colours**: Reverse the display colours to improve visibility.
- **Colour adjustment**: Adjust the colour scheme for the screen when the device determines that you are colour blind or having difficulty reading content.
- Accessibility shortcut: Set the device to activate Talkback when you press and hold the Power button, and then tap and hold the screen with two fingers.
- Text-to-speech options:
  - Preferred TTS engine: Select a speech synthesis engine. To change the settings for speech synthesis engines, tap .
  - **Speech rate**: Select a speed for the text-to-speech feature.
  - **Listen to an example**: Listen to the spoken text for an example.
- Enhance web accessibility: Set applications to install web scripts to make their web content more accessible.
- Sound balance: Adjust the sound balance when using a dual headset.
- Mono audio: Enable mono sound when listening to audio with one earbud.
- Turn off all sounds: Mute all device sounds.
- Assistant menu: Set the device to show the assistive shortcut icon that helps you access functions supported by external buttons or features on the notification panel. You can also edit the menu on the shortcut icon.
- Tap and hold delay: Set the recognition time for tapping and holding the screen.
- Interaction control: Set an area of the screen to be excluded from touch inputs.

## **Developer options**

Change the settings for application development.

- Make bug report: Collect information on the device and send it via email.
- **Desktop backup password**: Set a password to secure your backup data.
- Stay awake: Set the screen to remain on while you are charging the battery.
- **Protect SD card**: Set the device to request a confirmation when reading data from a memory card.
- USB debugging: Activate USB debugging mode to connect your device to a computer with a USB cable.
- Include bug reports in power menu: Set the device to display the bug reporting option on the device's power menu.
- Allow mock locations: Allow mock locations and service information to be sent to a Location Manager service for testing.
- Select debug app: Select applications to debug and prevent errors when you pause debugging.
- Wait for debugger: Set the device to prevent the selected application from loading until the debugger is ready.
- **Verify apps via USB**: Set the device to check the application for harmful behaviour before installing it.
- Show touches: Set the device to show the pointer when you touch the screen.
- Show pointer location: Set the device to show the coordinates and traces of the pointer when you touch the screen.
- Show layout boundaries: Set the device to show boundaries.
- Show GPU view updates: Set the device to flash areas of the screen when they are updated with the GPU.
- Show hardware layers updates: Set the device to flash areas of the screen when hardware layers updates.

- Show GPU overdraw: Set the device to paint areas of the screen in different colours to indicate where overdraw occurs.
- Show screen updates: Set the device to flash areas of the screen when they are updated.
- Window animation scale: Select a speed for opening and closing pop-up windows.
- Transition animation scale: Select a speed for switching between screens.
- Animator duration scale: Select how long pop-up windows will be shown.
- **Disable hardware overlays**: Set the device to hide hardware overlays.
- Force GPU rendering: Set the device to use 2D hardware acceleration to improve graphic performance.
- Enable 4x MSAA: Set the device to enable 4x multisample anti-aliasing (MSAA) in OpenGL applications to improve image quality.
- Simulate secondary displays: Set the device to show one or more overlay windows.
- **Strict mode**: Set the device to flash the screen when applications perform long operations.
- Show CPU usage: Set the device to list all active processes.
- Profile GPU rendering: Set the device to check the time of GPU rendering time.
- Enable OpenGL traces: Set the device to capture traces of OpenGL application activity.
- Enable traces: Set the device to capture traces of application and system performance.
- **Do not keep activities**: Set the device to end a running application when you launch a new application.
- **Limit background processes**: Set the device to limit the number of processes that can run in the background.
- Show all ANRs: Set the device to alert you to unresponsive applications that are running in the background.

### **About device**

Access device information and update device software.

# **Troubleshooting**

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

Password: When the device lock feature is enabled, you must enter the password you set for the device.

#### Your device displays network or service error messages

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

#### The touch screen responds slowly or improperly

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

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

#### Your device freezes or has fatal errors

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

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

#### 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 in the device is not user replaceable. If you have problems with the battery or need it replaced, take the device to a Samsung Service Centre.

#### Your device is hot to the touch

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

#### Error messages appear when launching the camera

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

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

#### Error messages appear when opening music files

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

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

#### Another Bluetooth device is not located

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

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

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

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

#### A small gap appears around the outside of the device case

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

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



#### Health and safety information

#### Exposure to Radio Frequency (RF) Signals

#### Certification Information (SAR)

Your wireless device is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. government. These FCC exposure limits are derived from the recommendations of two expert organizations, the National Counsel on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The exposure limit set by the FCC for wireless mobile devices employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC

requires wireless devices to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg). The FCC exposure limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

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

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

For typical operations, this model has been tested and meets the FCC exposure guidelines.

SAR information on this and other models can be viewed on-line at http://www.fcc.gov/oet/ea/fccid/. This site uses the FCC ID number A3LSMT310.

You can check the FCC ID on the rear case. Once you have the FCC ID number for a particular device, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular device . Additional product specific SAR information can also be obtained at www.fcc.gov/cgb/sar.

#### **Operating Environment**

Remember to follow any special regulations in force in any area and always switch your device off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the device or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

#### **FCC Notice and Cautions**

#### **FCC Notice**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

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

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

- Reorient or relocate the receiving antenna.
- -Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the device if such interference cannot be eliminated. Vehicles using petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association, One Battery march Park, Quincy, MA 02269, Attn: Publication Sales Division.

#### Cautions

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

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

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