

Game Hub

Use Game Hub to access games.

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



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

Select a game service, and then search for and access games.

Play Books

Use Play Books to browse and download book files. You can read book files on your device.

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



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

Play Movies

Use Play Movies to browse and rent movies.

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



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

Utilities

Memo

Use Memo to create a memo.

Tap **Memo** on the Applications screen.

Composing memos

Tap **Create** to compose a memo.

Browsing memos

Browse memos by scrolling up or down.

To search for a memo, tap  → **Search**.

To delete memos, tap  → **Delete**.

To send memos to others, tap  → **Send**.

To sort memos by date, title, text, or others, tap  → **Sort by**.

To sync memos with Google Docs, tap  → **Sync memo**.

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

Viewing a memo

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

To send the memo to others, tap  → **Send**.

To send the contents of the memo to others, tap  → **Share**.

To edit the memo, tap the screen.

S Planner

Use S Planner 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:

- **Quick add:** Create an event or task from a memo.
- **Add event:** Enter an event with an optional repeat setting.
- **Add task:** Enter a task with an optional priority setting.

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



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

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

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

Syncing with Google Calendar

To manually sync for updating, tap  → **Sync**.

Changing calendar type

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

Searching for events

Tap  → **Search**, and then enter a keyword to search for.

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

Deleting events

Select a date or event, and then tap  → **Delete**.

Sharing events

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

Dropbox

Use the Dropbox cloud storage service to save and share your files with others. When you save files to your Dropbox folder, your device automatically sync with the web server and any other computers that have Dropbox installed.



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

To activate Dropbox, on the Applications screen, tap **Dropbox**. Follow on-screen instructions to complete the setup.

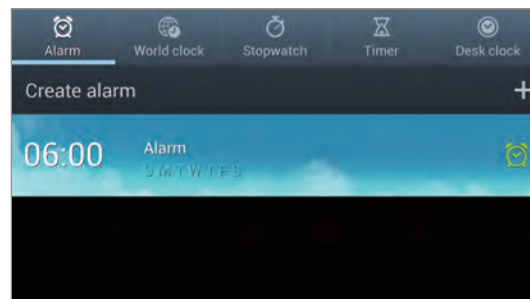
To upload files to your Dropbox folder, tap  → **Photos or videos** or **Other files**.

To view a file, tap , and then select a file.

Clock

Use Clock to set alarms, check the time in any location in the world, measure the duration of an event, set a timer, or use as the desk clock.

Tap **Clock** on the Applications screen.



Turn this alarm on or off.

Alarm

Setting alarms

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

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

Stopping alarms

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

Deleting alarms

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

World clock

Creating clocks

Tap **Add city**, and then enter a city name or select a city from the cities list.

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

Deleting clocks

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

Stopwatch

Tap **Start** to time an event. Tap **Lap** to record lap times.

Tap **Reset** to clear lap time records.

Timer

Set the duration, and then tap **Start**.

Drag  outside the large circle when the timer goes off.

Desk clock

Use Desk clock to see the current date and time.

Tap  to view in full screen.

Calculator

Use Calculator for simple or complex calculations.

Tap **Calculator** on the Applications screen.

To see calculation history, tap  to hide the keypad.

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

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

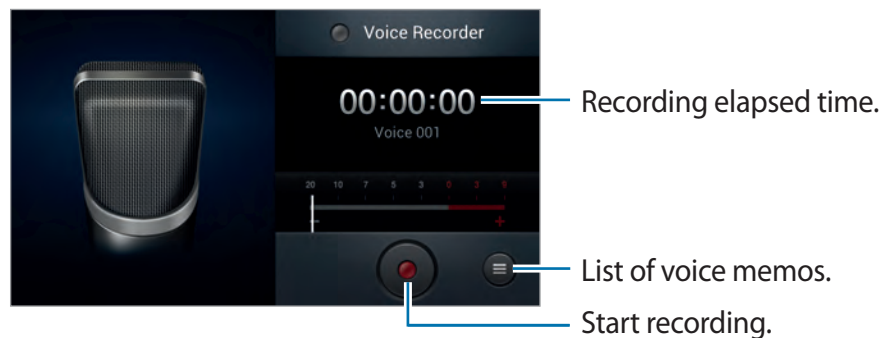
Voice Recorder

Use Voice Recorder to record or play voice memos.

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

Recording voice memos

Tap  to start recording. Speak into the microphone at the top of the device. Tap **Pause** to pause recording. Tap  to finish recording.



Playing voice memos

Select a voice memo to play.

- : Adjust the volume by dragging the volume bar up or down.
- : Trim voice memo.
- : Stop playback.
- : Pause playback.

To send a voice memo to others, tap  → **Share via**, and then select a sharing method.

Managing voice memos

In the list of voice memos, tap  and select one of the following:

- **Share via**: Select a sharing method, and then select voice memos to send.
- **Delete**: Select voice memos to delete.
- **Settings**: Change the voice recorder settings.
- **Rename**: Select a voice memo to rename.

S Voice

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

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



- This feature may be unavailable depending on your region or service provider.
- If your pronunciation is unclear, when speaking in noisy places, or when speaking with offensive or slang words and in dialectal accents, the device may not recognise your commands or may perform unwanted commands.

Here are several examples of spoken commands:

- Open music
- Launch calculator
- Check schedule

Google

Use Google to search not only the Internet, but also applications and their contents on the device as well, including Contacts, Music, and others.

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.

Voice Search

Use Voice Search to search webpages by speaking.

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



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

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

Task manager

Use Task manager to check system status.

Tap and hold  on any screen, and then tap **Task manager**.

Active applications

Tap **Active applications** to check what applications are currently running.

To close an application, tap **End** next to it.

To close all running applications, tap **End all**.

Downloaded

Tap **Downloaded** to check what applications are installed.

To uninstall an application, tap **Uninstall** next to it.

RAM

Tap **RAM** to check how much memory is being used.

To close every application, including ones running on background, tap **Clear memory**.

Storage

Tap **Storage** to check how much of the flash memory and memory card is occupied.

Help

Tap **Help** to view tips about how to extend battery life.

My Files

Use My Files 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 **Up**. To return to the root directory, tap **Home**.

In a folder, tap , and then use one of the following options:

- **Create folder:** Create a folder.
- **Search:** Search for files or folders.
- **View by:** Change the view mode.
- **Sort by:** Sort files or folders.
- **Settings:** Change the file manager settings.
- **Select all:** Select all files in the folder.

Downloads

Use Downloads to see what files are downloaded through the applications.

Tap **Downloads** on the Applications screen.



This application may not be available depending on your 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.

Travel & local

Maps

Use Maps 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 , enter an address, and then tap . Tap **RESULTS LIST** to view the search results as a list. Select a location to view the detailed location information.

On the map view, use the following methods:

To clear the map, tap  → **Clear Map**.

To save the map of a specified area to view it offline, tap  → **Make available offline**.

To get directions for the found location, tap  → **Directions**.

To overlay multiple layers including satellite images, traffic information, and more, tap  → **Layers**.

To change the map settings, tap  → **Settings**.

To view information about using the map, tap  → **Help**.

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

Get 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 **GET DIRECTIONS**.
- 4 Select one of the routes that appear, and then tap **MAP VIEW** to view details.

Local

Use Local 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  → **Add a search** on the category list, and then enter a keyword to search into the text field, and then tap **Done**.

Latitude

Use Latitude to share location information with friends.

Tap **Latitude** on the Applications screen.



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

To add a friend with whom location information is shared, tap  → **Select from Contacts** or **Add via email address**. Select one from Contacts or enter an email address, and then tap **Add friends** to send an invitation. Once the invitation is accepted, either party can know where the other party is located.

Navigation

Use Navigation 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.
- Set navigational directions to your home.
- Select the destination from the map.

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

Settings

About Settings

Use Settings 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 .

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

Setting Wi-Fi sleep policy

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



When entering power-saving mode, the device automatically turns off Wi-Fi connections. When this happens, the device automatically accesses data networks if it is set to use them. This may incur data transfer fees. To avoid data-usage bills, set this option to **Never (increases data usage)**.

Setting Network notification

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

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

Bluetooth

Activate the Bluetooth feature to exchange information over short distances.

Share and transfer

Change settings for sharing and transferring files.

Nearby devices

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

AllShare Cast

Activate the AllShare Cast feature and share your display with others.



- To save energy, deactivate the AllShare Cast feature when not in use.
- If you specify a Wi-Fi frequency band, AllShare Cast dongles may not be found or connected.
- If you play videos or games on a TV, select an appropriate TV mode to get the best experience from AllShare Cast.

Kies via Wi-Fi

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

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.

Mobile networks

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

Tethering and portable hotspot

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

Wi-Fi Direct

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

Location services

Change settings for GPS functionality.

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

VPN

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

Sound

Change settings for various sounds on the device.

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

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.
- **Brightness:** Set the brightness of the display.
- **Auto-rotate screen:** Set the content rotates automatically when the device is turned.
- **Screen timeout:** Set the length of time the device waits before turning off the display's backlight.
- **Font style:** Change the font type for display text. Download fonts from Play Store by tapping **Get fonts online**.
- **Font size:** Change the font size in S Planner, Email, and Contacts.
- **Screen mode:** Select a display mode.
- **Display battery percentage:** Set to display remaining batter power level.

Lock screen

Change settings for the lock screen.

- **Screen lock:** Activate the screen lock feature.
- **Lock screen options:**



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

- **Shortcuts:** Set to show and edit application shortcuts on the locked screen.
- **Clock:** Set to show the clock on the locked screen.
- **Dual clock:** Set to show the dual clock on the locked screen.
- **Weather:** Set to show te weather on the locked screen.

- **Ripple effect:** Set to show the ripple effect on the locked screen.
- **Help text:** Set 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 the S Voice application or perform a specified function.
- **Owner information:** Enter your information that is shown on the locked screen.

More settings

Data usage

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

- **Data usage cycle:** Change the settings for the limit cycle.

To use more options, tap .

- **Auto-sync data:** Set the device to synchronise Contacts, S Planner, Email, Internet, and images with social network sites automatically.
- **Mobile hotspots:** Search for and use another device's mobile network.

Storage

View memory information for your device and memory card, or format the USB storage and 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.

Battery

View the amount of battery power consumed by your device.

Applications manager

View and manage the applications on your device.

Power

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

- **Auto power off:** Set the length of time the device waits before turning off.
- **Power saving:**
 - **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:** Discover how to reduce battery consumption.
- **Start up:** Set the device to start up using the camera screen or the Home screen.
- **Fast power on:** Activating this causes the device to start quickly for the next 24 hours.

Add account

Add your email or SNS accounts.

Cloud

Change settings for syncing data or managing your Samsung cloud and Dropbox cloud accounts.

Accessibility

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

- **Auto-rotate screen:** Set the interface to rotate automatically when you rotate the device.
- **Speak passwords:** Set the device to read aloud passwords you enter with Talkback.
- **Accessibility shortcut:** Add a shortcut to Accessibility settings on the quick menu that appears when you press and hold the Power button.
- **Screen timeout:** Set the length of time the device waits before turning off the display's backlight.
- **Accessibility:** Activate a downloaded accessibility application, such as Talkback or Kickback, which provide voice, melody, or vibration feedback.
- **TalkBack:** Activate Talkback, which provides voice feedback.
- **Font size:** Change the font size in S Planner, Email, and Contacts.
- **Negative colours:** Reverse the display colours to improve visibility.
- **Install web scripts:** Set applications to install web scripts to make their web content more accessible.
- **Mono audio:** Enable mono sound when listening to audio with one earbud.
- **Turn off all sounds:** Mute all device sounds.
- **Tap and hold delay:** Set the recognition time for tapping and holding the screen.

Motion

Change the settings that control motion recognition on your device.

- **Tilt to zoom:** Set to zoom in or out while viewing images in Gallery or browsing webpages, when you tap and hold two points with your fingers and then tilt the device back and forth.
- **Pan to move icon:** Set to move an item to another page when tapping and holding the item and then panning the device to the left or right.
- **Pan to browse images:** Set to scroll through an image by sliding the device in any direction when the image is zoomed in.

- **Sensitivity settings:** Set the sensitivity for each motion recognition.
- **Learn about motions:** Discover how to use each motion recognition.
- **Palm swipe to capture:** Set 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 to mute alarms, music, and the FM radio by touching the screen with your palm.
- **Learn about hand motions:** View the tutorial for controlling hand motions.

Voice

- **S Voice settings:**
 - **Language:** Select a language for the voice recognition.
 - **Use location data:** Set to use location information for voice search results.
 - **Hide offensive words:** Hide offensive words from voice search results.
 - **Help:** Access help information for the S Voice feature.
 - **About:** View version information.
 - **Voice cmd for apps:** Set the device to recognise voice commands for controlling your device. You can select the features to control with voice commands.
 - **Show body of message:** Set to view the text of a new message received while in driving mode.
 - **Wake up command:** Set 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:** Add or edit wake-up commands to start voice recognition.
 - **Check missed events:** Set to check missed messages or events when S Voice is launched by pressing the headset button.
 - **Home address:** Enter your home address to use location information with S Voice.
 - **Log in to Facebook:** Enter your Facebook account information.
 - **Log in to Twitter:** Enter your Twitter account information.

- **Voice recogniser:** Select a voice recognition engine.
- **Voice search:**



The settings are applied only when you set Google as the voice recogniser engine.

- **Language:** Select input languages for Google voice recognition.
- **Speech output:** Set the device to provide voice feedback to alert you to the current action.
- **Block offensive words:** Set to prevent the device from recognising offensive words in voice inputs.
- **Download offline speech recognition:** Download and install language data for offline voice input.
- **Text-to-speech output:**
 - **Preferred TTS engine:** Select a speech synthesis engine. To change the settings for speech synthesis engines, tap .
 - **Speech rate:** Select a speed for the text-to-speech feature.
 - **Listen to an example:** Listen to the spoken text for an example.
- **Driving mode:** Activate driving mode to set the device to read contents aloud.

More settings

Change settings for basic device features, such as language and input, date and time, security, backing up and more.

Language and input

Change the settings for text input.

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, select .

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

Samsung keyboard

To change the Samsung keyboard settings, select .

- **Portrait keypad types:** Select the default input method, such as the QWERTY keyboard or traditional keyboard.
- **Input language:** Select languages for text input.
- **Predictive text:** Set the device to predict words according to input and display word suggestions.
- **Continuous input:** Set to enter text by sweeping on the keyboard.
- **Keyboard swipe:** Enable or disable the keyboard sweeping feature for the text input mode. Switch between input modes by scrolling left or right on the keyboard.
- **Handwriting:** Customise settings for Handwriting mode, such as recognition time, pen thickness, or pen colour.

- **Voice input:** Activate the voice input feature to enter text by voice on the Samsung keyboard.
- **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-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 tapping the buttons on the keypad.
- **Tutorial:** Learn how to enter text with the Samsung keyboard.
- **Reset settings:** Reset Samsung keyboard settings.

Pointer speed

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

Date and time

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



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

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

Security

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



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

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



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

- **Remote controls:** Set to allow control of your lost or stolen device remotely via the Internet. To use this feature, you must sign in to your Samsung and Google accounts.
 - **Add account:** Add or view your Samsung and Google accounts.
 - **Use wireless networks:** Set to allow location data collection and to determine the location of your lost or stolen device via Wi-Fi and mobile networks.
- **SIM Change Alert:** Activate the Find my mobile feature.
- **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. Device administrators to apply new policies to the device.
- **Unknown sources:** Choose to download applications from any source. If not chosen, download applications only from Play Store.
- **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.

Back up and reset

Change the settings for managing settings and data.

- **Back up my data:** Set to back up settings and application data to the Google server.
- **Backup account:** Set up or edit your Google backup account.
- **Automatic restore:** Set 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.

Developer options

Change the settings for application development.

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

- **Animator duration scale:** Select how long pop-up windows will be shown.
- **Disable HW overlays:** Set to hide hardware overlays.
- **Force GPU rendering:** Set to use 2D hardware acceleration to improve graphic performance.
- **Strict mode:** Set the device to flash the screen when applications perform long operations.
- **Show CPU usage:** Set to list all active processes.
- **Profile GPU rendering:** Set to check the time of GPU rendering time.
- **Enable traces:** Set to capture traces of application and system performance.
- **Do not keep activities:** Set to end a running application when you launch a new application.
- **Limit background processes:** Set to limit the number of processes that can run in the background.
- **Show all ANRs:** Set the device to alert you to unresponsive applications that are running in the background.

About device

Access device information and update device software.

Troubleshooting

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

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

Your device displays network or service error messages

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

The touch screen responds slowly or improperly

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

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

Your device freezes or has fatal errors

If your device freezes or hangs, you may need to close programs or reset the device to regain functionality. If your device is frozen and unresponsive, press and hold the Power button for 10-15 seconds. The device reboots automatically.

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

The device beeps and the battery icon flashes

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

The battery does not charge properly or the device turns off

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

Your device is hot to the touch

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

Error messages appear when launching the camera

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

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

The subject's eyes appear red

Red eyes occurs when the subject's eyes reflect light from the camera flash.

- Set the flash option to **Red-eye** or **Red-eye Fix**.
- If the photo has already been taken, tap **Red eye removal** in the Photo Editor.

Photos have dust spots

If dust particles are present in the air, you may capture them in photos when you use the flash.

- Turn off the flash or avoid capturing photos in a dusty place.
- Set ISO sensitivity options.

Photos are blurred

Blurring can occur if you capture photos in low light conditions or hold the camera incorrectly.

- Half-press the Shutter button to ensure the subject is focused.
- Set the image stabilizer option.

Photos are blurred when shooting at night

As the camera tries to let in more light, the shutter speed slows. This can make it difficult to hold the camera steady long enough to take a clear picture and may result in camera shake.

- Set **Smart Night** in **Casual** mode.
- Turn on the flash.
- Set ISO sensitivity options.
- Use a tripod to prevent your camera from shaking.

Subjects come out too dark because of backlighting

When the light source is behind the subject or when there is a high contrast between light and dark areas, the subject may appear too dark.

- Avoid shooting toward the sun.
- Set the flash option to **Fill in**.
- Adjust the exposure.
- Set the metering option to **Spot** if a subject is in the center of the frame.

Error messages appear when launching the FM radio

The FM radio application on your Samsung device uses the headset cable as an antenna. Without a headset connected, the FM radio cannot receive radio stations. To use the FM radio, first ensure that the headset is properly connected. Next, scan for and save the available radio stations.

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

Error messages appear when opening music files

Some music files may not play on your Samsung 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.

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



Some content may differ from your device depending on the region or service provider.

About the Samsung Kies Kies

Samsung Kies is a computer application that manages and syncs media libraries and contacts with Samsung devices.

Download the latest version of Samsung Kies from the Samsung website (**www.samsung.com/kies**) and install it on your computer.



The Samsung logo, consisting of the word "SAMSUNG" in white, bold, sans-serif capital letters, is centered within a black, horizontally-oriented oval.

EK-GC100

Quick Start Guide

You can access the full user manual for more information. To learn to access the user manual, see "Viewing the user manual" in this quick start guide.

www.samsung.com

This device provides high quality mobile communication and entertainment using Samsung's high standards and technological expertise.

- Content may differ from the final product, or from software provided by service providers or carriers, and is subject to change without prior notice.
- 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.
- 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.
- Samsung is not liable for performance issues or incompatibilities caused by edited registry settings or modified operating system software. Attempting to customise the operating system may cause your device or applications to work improperly.

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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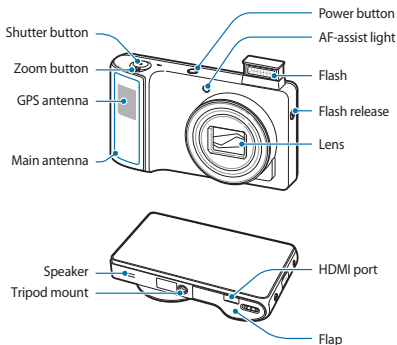
- SAMSUNG and the SAMSUNG logo are registered trademarks of Samsung Electronics.
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- Windows Media Player® is a registered trademark of Microsoft Corporation.
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- Wi-Fi®, Wi-Fi Protected Setup™, Wi-Fi Direct™, Wi-Fi CERTIFIED™, and the Wi-Fi logo are registered trademarks of the Wi-Fi Alliance.

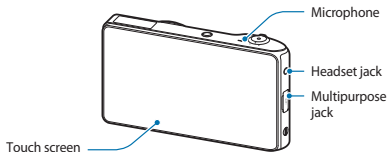
Your device uses a non-harmonised frequency and is intended for use in all European countries. The WLAN can be operated in the EU without restriction indoors, but cannot be operated outdoors.

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

Getting started

Device layout





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

Buttons

Button	Function
 Power	• Press and hold to turn the device on or off. • Press and hold for 6-8 seconds to reset the device if it has fatal errors or hang-ups, or freezes. • Press to lock or unlock the device. The device goes into lock mode when the touch screen turns off.
 Menu	• Tap to open a list of options available for the current screen.
 Home	• Press to return to the Home screen. • Press and hold to open the list of recent applications.
 Back	• Tap to return to the previous screen.
 Shutter	• On the Home screen, press and hold to turn the camera on. • In the camera application, press to take photos.

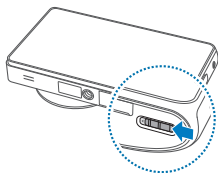
Installing the SIM or USIM card and battery

Insert the SIM or USIM card provided by the mobile telephone service provider, and the included battery.

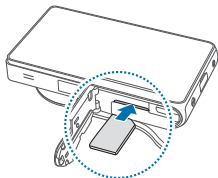


Only microSIM cards work with the device.

- 1 Slide the latch and open the flap.

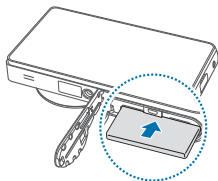


- 2 Insert the SIM or USIM card with the gold-coloured contacts facing downwards.

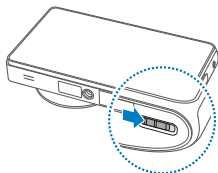


- 3 Push the SIM or USIM card into the slot until it locks in place.

- 4 Insert the battery.



5 Replace the flap and slide the latch.



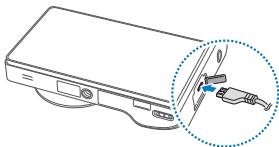
Charging the battery

Before using the device for the first time or when the battery has been unused for extended periods, you must charge the battery.



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

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



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

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

 Do not remove the battery before removing the charger. This may damage the device.

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

Checking the battery charge status

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



Charging

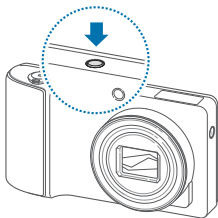


Fully charged

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 the device on and off.

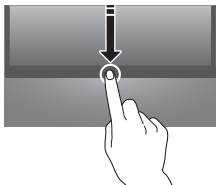


Basics

Notifications

Notification icons appear on the status bar to report new messages, calendar events, device status, and more. Open the notifications panel, and then view your device's current status and use available options.

Drag down from the status bar to open the notifications panel. To close the notifications panel, drag up the bar that is on the bottom of the screen.



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

Taking photos or videos

Use Camera to take photos or videos.

Tap **Camera** on the Applications screen.

Taking photos

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

Taking videos

Tap  to take a video. To stop recording, tap .

Managing contacts

Manage contacts, including phone numbers, email addresses, and others. You can group contacts to make them easier to search for and send contacts to others or share them.

Using applications

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

Open the Applications screen and tap an application icon to launch it. Tap  to close applications.

Connecting to the Internet

Connect to the Internet by using the Wi-Fi feature or cellular data network. Open the Internet application and browse webpages.



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

Viewing the user manual

The user manual provides complete information about operating your device.



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

From your device

- 1 Open the Internet application.
- 2 Tap  to open the bookmarks list.
- 3 Select the bookmark for the user manual.

To access the user manual more easily, place a shortcut or widget for the user manual on the Home screen.



The user manual may not be available depending on the web browser or service provider.

From your computer

Access www.samsung.com and then search for the user manual by the model name of your device.

Safety information

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

Warning: Prevent electric shock, fire, and explosion

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

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

Do not bend or damage the power cord

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

Do not short-circuit the charger or the device

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

Do not charge the battery with the charger that is not approved by the manufacturer

Do not use your device during a thunderstorm

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

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

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

Handle and dispose of the device and charger with care

- Use only Samsung-approved battery and charger specifically designed for your device. Incompatible battery and charger can cause serious injuries or damage to your device.
- Never dispose of the battery or device in a fire. Follow all local regulations when disposing of used battery or device.
- Never place the battery or device on or in heating devices, such as microwave ovens, stoves, or radiators. The device may explode when overheated.
- Never crush or puncture the device. Avoid exposing the device to high external pressure, which can lead to an internal short circuit and overheating.

Protect the device, battery and charger from damage

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

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

Do not use your device near other electronic devices

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

Do not use your device near a pacemaker

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

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

If you use medical equipment, contact the equipment manufacturer before using your device to determine whether or not the equipment will be affected by radio frequencies emitted by the device.

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

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

Turn off the device in potentially explosive environments

- Turn off your device in potentially explosive environments instead of removing the battery.

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

Turn off your device when on an aircraft

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

Your device may interfere with automotive equipment

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

Proper care and use of your mobile device

Keep your device dry

- Humidity and liquids may damage the parts or electronic circuits in your device.
- Do not turn on your device if it is wet. If your device is already on, turn it off and remove the battery immediately (if the device will not turn off or you cannot remove the battery, leave it as-is). Then, dry the device with a towel and take it to a service centre.

- Liquids will change the colour of the label that indicates water damage inside the device. Water damage to your device can void your manufacturer's warranty.

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

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

Store your device only on flat surfaces

If your device falls, it may be damaged.

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

- Your device can explode if left inside a closed vehicle, as the internal temperature can reach up to 80 °C.
- Do not expose your device to direct sunlight for extended periods of time (on the dashboard of a car, for example).
- Store the battery at temperatures from 0 °C to 45 °C.

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

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

Do not store your device near magnetic fields

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

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

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

Do not drop your device or cause impacts to your device

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

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

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

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

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

Use caution when exposed to flashing lights

- While using your device, leave some lights on in the room and do not hold the screen too close to your eyes.
- Seizures or blackouts can occur when you are exposed to flashing lights while watching videos or playing Flash-based games for extended periods. If you feel any discomfort, stop using the device immediately.

Reduce the risk of repetitive motion injuries

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

Ensure maximum battery and charger life

- Avoid charging your device for more than a week, as overcharging may shorten battery life.
- Over time, unused device will discharge and must be recharged before use.
- Disconnect the charger from power sources when not in use.
- Use the battery only for their intended purposes.

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

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

Do not bite or suck the device or the battery

- Doing so may damage the device or cause an explosion.
- If children use the device, make sure that they use the device properly.

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

Doing so may cause suffocation or serious injuries.

When using the device:

- Hold the device as you would with a traditional camera.

Protect your hearing and ears when using a headset



- Excessive exposure to loud sounds can cause hearing damage.
- Exposure to loud sounds while driving may distract your attention and cause an accident.
- Always turn the volume down before plugging the earphones into an audio source and use only the minimum volume setting necessary to hear your conversation or music.
- In dry environments, static electricity can build up in the headset. Avoid using headsets in dry environments or touch a metal object to discharge static electricity before connecting a headset to the device.

Use caution when using the device while walking or moving

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

Do not disassemble, modify, or repair your device

- Any changes or modifications to your device can void your manufacturer's warranty. If your device needs servicing, take your device to a Samsung Service Centre.
- Do not disassemble or puncture the battery, as this can cause explosion or fire.

Do not paint or put stickers on your device

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

When cleaning your device:

- Wipe your device or charger with a towel or an eraser.
- Clean the battery terminals with a cotton ball or a towel.
- Do not use chemicals or detergents.

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

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

Do not use the device for anything other than its intended use**Avoid disturbing others when using the device in public****Do not allow children to use your device**

Your device is not a toy. Do not allow children to play with it as they could hurt themselves and others or damage the device.

Install mobile devices and equipment with caution

- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.

- Avoid placing your device and accessories near or in an airbag deployment area. Improperly installed wireless equipment can cause serious injury when airbags inflate rapidly.

Allow only qualified personnel to service your device

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

Handle SIM cards or memory cards with care

- Do not remove a card while the device is transferring or accessing information, as this could result in loss of data and/or damage to the card or device.
- Protect cards from strong shocks, static electricity, and electrical noise from other devices.
- Do not touch gold-coloured contacts or terminals with your fingers or metal objects. If dirty, wipe the card with a soft cloth.

Keep your personal and important data safe

- While using your device, be sure to back up important data. Samsung is not responsible for the loss of any data.
- When disposing of your device, back up all data and then reset your device to prevent misuse of your personal information.
- Carefully read the permissions screen when downloading applications. Be particularly cautious with applications that have access to many functions or to a significant amount of your personal information.

- Check your accounts regularly for unapproved or suspicious use. If you find any sign of misuse of your personal information, contact your service provider to delete or change your account information.
- In the event your device is lost or stolen, change the passwords on your accounts to protect your personal information.
- Avoid using applications from unknown sources and lock your device with a pattern, password, or PIN.

Do not distribute copyright-protected material

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

Correct disposal of this product



(Waste Electrical & Electronic Equipment)

(Applicable in countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste.

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

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

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

This EEE is compliant with RoHS.

Correct disposal of batteries in this product



(Applicable in countries with separate collection systems)

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

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

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Health information

Exposure to Radio Frequency (RF) Signals

Certification Information (SAR)

Your 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 Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless 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 standard 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 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 device are performed in positions and locations as required by the FCC.

For hand held operation, this device has been tested and meets the FCC RF exposure guidelines.

SAR information on this device can be viewed on-line at <http://www.fcc.gov/oet/ea/fccid/>. Please use the FCC ID number A3LEKGC100 for search, and the ID number can be found on the label that is located on the bottom side of the device.

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.

FCC Notice and Cautions

FCC Notice



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

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

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

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

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

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

Cautions

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

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

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

Other Important Safety Information

- Only qualified personnel should service the device or install the device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.

