

Using this guide

Congratulations on your purchase of the Samsung SHW-M300S. This powerful, “go anywhere” device, puts the best of the web and mobile computing at your fingertips in a lightweight, highly versatile platform that fits your active lifestyle. Built on the Google Android operating system, the SHW-M300S gives you access to thousands of useful and entertaining applications to enrich your mobile web experience.

With integrated wireless access and a responsive touch screen, you can keep in touch with versatile messaging and video calling applications; read books and newspapers on the go; stay up-to-date on the latest news, sports, and weather; manage your multimedia and business files; and browse the web for maps, business locations, and more.

Read me first

- Please read all safety precautions and this guide carefully before using your device to ensure safe and proper use.
- The descriptions in this guide are based on the default settings of your device.
- Images and screenshots used in this guide may differ in appearance from the actual product.
- Content in this guide may differ from the product, or from software provided by service providers or carriers, and is subject to change without prior notice.

- Available features and additional services may vary by device, software, or service provider.
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- Please keep this guide for future reference.

Instructional icons

Before you start, familiarise yourself with the icons you will see in this guide:



Warning—situations that could cause injury to yourself or others



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



Note—notes, usage tips, or additional information

- ▶ **Refer to**—pages with related information; for example:
 - ▶ p.12 (represents “see page 12”)
- **Followed by**—the order of options or menus you must select to perform a step; for example: In Menu mode, select **Settings** → **Wireless and network** (represents **Settings**, followed by **Wireless and network**)
- [] **Square brackets**—device keys; for example: [ⓘ] (represents the Power key)

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ABOUT DIVX VIDEO

DivX® is a digital video format created by DivX, Inc. This is an official DivX Certified® device that plays DivX video. Visit www.divx.com for more information and software tools to convert your files into DivX video.

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

May play DivX® video up to HD 1080p

(LCD resolution : 1024x600)

ABOUT DIVX VIDEO-ON-DEMAND

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

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Assembling

Unpack

Check your product box for the following items:

- Mobile device
- USB power adapter
- PC data cable
- Headset
- Quick start guide



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



- The items supplied with your device may vary depending on the software and accessories available in your region or offered by your service provider.
- You can obtain additional accessories from your local Samsung dealer.
- The supplied accessories perform best for your device.
- Accessories other than the supplied ones may not be compatible with your device.

Charge the battery

Your device has a built-in battery. Before using the device for the first time, you must charge the battery.



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



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

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



Improperly connecting the travel adapter can cause serious damage to the device. Any damage caused by misuse is not covered by the warranty.

2 Plug the USB power adapter into a power outlet.



- You can use the device while it is charging, but it may take longer to fully charge the battery.
- While the device is charging, the touch screen and the touch keys may not function due to an unstable power supply. If this happens, unplug the USB power adapter from the power outlet or unplug the PC data cable from the device.
- While charging, the device may heat up. This is normal and should not affect your device's lifespan or performance.
- If your device is not charging properly, bring your device and the charger to a Samsung Service Centre.

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

Insert the SIM or USIM card

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

To install the SIM or USIM card,

- 1 Open the cover to the SIM card slot on the side of the device.
- 2 Insert the SIM or USIM card.



- Place the SIM or USIM card into the device with the gold-coloured contacts facing down.
- Do not insert a memory card into the SIM card slot.

- 3 Close the cover of the SIM card slot.

Getting started

Turn your device on and off

To turn on your device,

- 1 Press and hold [⏻].
- 2 If you turn on your device for the first time, follow the on-screen instructions to set up your device.

To turn off your device, press and hold [⏻] and then select **Power off** → **Yes**.

› Switch to Flight mode

In Flight mode, you can disable all wireless connections and use non-network services in areas where wireless devices are prohibited, such as aeroplanes and hospitals.

To activate Flight mode, go to **Settings** → **Wireless and network** → **Flight mode**. You can also press and hold [ⓘ] and then select **Flight mode**.

To deactivate Flight mode and use wireless connections, go to **Settings** → **Wireless and network** and clear the check box next to **Flight mode**.

› Switch to the silent mode

- In Idle mode, press and hold [ⓘ] and then select **Silent mode**.
- Open the shortcuts panel from the top of the screen and select **Silent**.

Get to know your device

› Device layout

Number	Function
1	Front camera lens
2	Headset jack
3	Light sensor
4	Mouthpiece

7	Speaker
8	Multifunction jack
9	Internal antenna
10	Flashbulb
11	Rear camera lens
12	Power key

Number	Function
13	Volume key
14	Memory card slot
15	SIM card slot

➤ Keys

Key		Function
	Power	Turn on the device (press and hold); Access the quick menus (press and hold); Lock the touch screen.
	Volume	Adjust the device's volume.

Use the touch screen

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



- To avoid scratching the touch screen, do not use sharp tools.
- Do not allow the touch screen to come into contact with other electrical devices. Electrostatic discharges can cause the touch screen to malfunction.
- Do not allow the touch screen to come into contact with water. The touch screen may malfunction in humid conditions or when exposed to water.



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

You can control your touch screen with the following actions:

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

› Rotate the touch screen

Your device has a built-in motion sensor that detects its orientation. If you rotate the device, the interface will automatically rotate according to the orientation.

To set the interface to keep the orientation, open the shortcuts panel from the top of the screen and select **Orientation lock**.

› Lock or unlock the touch screen

When you do not use the device for a specified period, your device turns off the touch screen and automatically locks the touch screen to prevent any unwanted device operations. To manually lock the touch screen, press [⏻].

To unlock, turn on the screen by pressing [⏻], and drag  right until **Unlock** appears. If you set a screen lock, you need to enter your PIN or password, or draw a pattern.

Get to know the home screen

When the device is in Idle mode, you will see the home screen. From the home screen, you can view your device's status and access Menu mode. Scroll left or right to a panel of the home screen.

› Add items to the home screen

- 1 In Idle mode, press [≡] → **Add**.
- 2 Select the item category (widget, shortcut, folder, or wallpaper) and select an item.

› Move items on the home screen

- 1 Tap and hold an item to move until the item appears gray.
- 2 Drag the item to the location you want.

› Remove items from the home screen

- 1 Tap and hold an item to remove.
The trash bin appears at the bottom of the home screen.
- 2 Drag the item to the trash bin.
- 3 When the item turns red, release the item.

› Add a shortcut to an application

- 1 In Menu mode, tap and hold an application icon. The shortcut icon for the application is added to the home screen.
- 2 Move the icon to the location you want or move it another panel of the home screen.

› Use the shortcuts panel

In Idle mode or while using an application, tap the indicator icons area and drag your finger down to open the shortcuts panel. To hide the list, drag the bottom of the list up. You can view the phone's current status and use the shortcut menus.

Access applications

- 1 In Idle mode, select **Applications** to access Menu mode.
- 2 Scroll left or right to another menu screen.
- 3 Select an application.
- 4 Press [] to return to the previous screen; Press [] to return to the home screen.

› Organise applications

You can reorganise the applications in the application list by changing their order.

- 1 In Menu mode, press [] → **Edit**.
- 2 Tap and hold an application.
- 3 Drag the application icon to the location you want.
- 4 Press [] → **Save**.

› Access recent applications

- 1 Press and hold [] to open the list of applications you have accessed recently.
- 2 Select an application.

› Use the task manager

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

- 1 In Menu mode, select **Task Manager** → **Active applications**.
- 2 To close an application, select **End**.
To close all active applications, select **End all**.

Customise your device

Get more from your device by customising it to match your preferences.

› Change the language of the display

- 1 In Menu mode, select **Settings** → **Locale and text** → **Select locale**.
- 2 Select a language you want.

› Set the current time and date

- 1 In Menu mode, select **Settings** → **Date and time**.
- 2 Select your time zone, set the time and date, and change other options.

› Select a wallpaper for the home and menu screens

1 In Idle mode, press [] → **Wallpaper**.

2 Select an image folder → an image.

3 Select **Save** or **Set wallpaper**.



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

› Adjust the brightness of the display

1 In Menu mode, select **Settings** → **Display settings** → **Brightness**.

2 Clear the check box next to **Automatic brightness**.

3 Drag the slider to adjust the level of brightness.

4 Select **OK**.



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

› Set a screen lock

You can lock the touch screen with an unlock pattern or password to prevent unauthorised people from using the device without your permission.

1 In Menu mode, select **Settings** → **Location and security** → **Set screen lock**.

2 Select a lock option.

- **Pattern:** Set an unlock pattern by drawing a pattern to connect at least 4 dot.
- **PIN:** Set a PIN (numeric) to unlock the screen.
- **Password:** Set a password (alphanumeric) to unlock the screen.



- Once you set a screen lock, your device will require an unlock code each time you turn it on or unlock the touch screen.
- If you forget your PIN or password, bring your device to a Samsung Service Centre to reset it. Before bringing your device to a Samsung Service Centre, remember to make backup copies of all important data stored on your device.
- Samsung is not responsible for any loss of security codes or private information or other damages caused by illegal software.

› Lock your SIM or USIM card

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

1 In Menu mode, select **Settings** → **Location and security** → **Set up SIM card lock**.

- 2 Select **Lock SIM card**.
- 3 Enter your PIN and select **OK**.

Once the PIN lock is enabled, you must enter the PIN each time you turn on the device or access menus that require the PIN.



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

Enter text

You can enter text by selecting characters on the virtual keypads.



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

› Change the text input method

Tap and hold the text input field and select **Input method** → a text input method (Swype or Samsung keypad).

› Enter text using the Swype

- 1 Select the first character of a word and drag your finger to the second character without releasing the finger from the screen.
- 2 Continue until you have finished the word.



- 3 Release the finger on the last character.
- 4 When the word displays correctly, select  to insert a space. If the correct word does not display, select an alternative word from the list that appears.
- 5 Repeat steps 1-4 to complete your text.

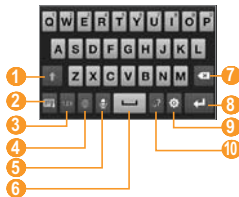
You can also use the following keys:



Number	Function
1	Change case.
2	Access the Swype tip screen; Open the help information (tap and hold).
3	Switch between Symbol mode and ABC/Number mode.
4	Delete characters.
5	Start a new line.
6	Insert a space.

› Enter text using the Samsung keypad

Enter text by selecting alphanumeric keys and you can use the following keys:



Number	Function
1	Change case.
2	Hide the keypad.
3	Switch between Number/Symbol mode and ABC mode.
4	Change the input language; This icon is available only when you set more than 2 languages for text input.
5	Enter text by voice; This icon is available only when you activate the voice input feature for the Samsung keypad.

Number	Function
6	Insert a space.
7	Clear your input.
8	Start a new line.
9	Access the keypad settings; Change the text input method (tap and hold).
10	Enter frequently used symbols.

Connecting to the internet

Learn to access the internet and browse web pages. You can connect to the internet anywhere an access point or wireless hotspot is available. For more information, see the "Browser" section of the user manual.



- You may incur additional charges for accessing the web and downloading data. For details, contact your service provider.
- The web browser menu may be labelled differently depending on your service provider.

Browse web pages

- 1 In Menu mode, select **Browser** to launch your homepage.
To access a specific web page, select the URL input field, enter the web address (URL) of the web page, and select .
- 2 Navigate web pages with the following keys:
 - To move backward or forward to web pages in history, select  or . You can also tap and hold to view the recent internet history.
 - To open a list of saved bookmarks, frequently visited pages, and recent internet history, select .
 - To reload the current web page, select .
 - To open a new window or switch between the currently open windows, select . To add a new window, select  and access another web page on the new window.

Bookmark your favourite web pages

- 1 In Menu mode, select **Browser**.
- 2 Press [] → **Add bookmark**.
- 3 Enter a page title and a web address (URL).
To bookmark the web page you were viewing, skip to step 5.

- 4 Select the **Default** drop-down menu and select a bookmark folder (if necessary).
To create a new folder, select **New folder**, enter a name for the folder, and select **OK**.
- 5 Select **OK**.

Reading ebooks

Learn to open and read book files. For more information, see the "eBook" section of the user manual.

- 1 In Menu mode, select **eBook**.
- 2 Select a book from the bookshelf.
- 3 While reading a book, use the following options:
 - To move pages, drag your finger left or right or tap near the left or right margin of a page.
 - To bookmark the current page, select .

Using Wi-Fi

Learn to connect the device to a wireless local area network (WLAN) to access the internet or other network devices. For more information, see the "Wi-Fi" section of the user manual.



Your device uses 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 in France.

Activate the WLAN feature

- 1 In Menu mode, select **Settings** → **Wireless and network** → **Wi-Fi settings**.
- 2 Select **Wi-Fi** to activate the WLAN feature.

Find and connect to a WLAN

- 1 In Menu mode, select **Settings** → **Wireless and network** → **Wi-Fi settings**.
The device will automatically search for available WLANs.
- 2 Select a network under **Wi-Fi networks**.
- 3 Enter a password for the network (if necessary).
- 4 Select **Connect**.

Using Bluetooth

Learn to connect your device with other devices via the Bluetooth wireless feature to share files or control the device hands-free. For more information, see the "Bluetooth" section of the user manual.

Activate the Bluetooth feature

- 1 In Menu mode, select **Settings** → **Wireless and network** → **Bluetooth settings**.
- 2 Select **Bluetooth** to activate the Bluetooth feature.

Find and pair with other Bluetooth-enabled devices

- 1 In Menu mode, select **Settings** → **Wireless and network** → **Bluetooth settings** → **Scan devices**.
- 2 Select a device.
- 3 Enter a PIN for the Bluetooth wireless feature or the other device's Bluetooth PIN, if it has one, and select **OK**. Alternatively, select **Accept** to match the PIN between your device and the device.

When the owner of the other device enters the same PIN or accepts the connection, pairing is complete. If the pairing is successful, the device will automatically search for available services.

Connecting to a PC

Learn to connect your device to a PC to use with Samsung Kies or Windows Media Player, or use the device as a mass storage device. For more information, see the "PC connections" section of the user manual.

Connect with Samsung Kies

Ensure that Samsung Kies is installed on your PC. You can download the program from the Samsung website (www.samsungmobile.com).

- 1 In Menu mode, select **Settings** → **Wireless and network** → **USB settings** → **Samsung Kies**.
- 2 Press [>] to return to Idle mode.
- 3 Using the PC data cable, connect the multifunction jack on your device to a PC.
- 4 Run Samsung Kies and use wireless connections or copy data and files.
Refer to the Samsung Kies help for more information.

Synchronise with Windows Media Player

Ensure that Windows Media Player is installed on your PC.

- 1 In Menu mode, select **Settings** → **Wireless and network** → **USB settings** → **Media player**.
- 2 Press [] to return to Idle mode.
- 3 Using the PC data cable, connect the multifunction jack on your device to a PC with Windows Media Player installed.
When connected, a pop-up window will appear on the PC.
- 4 Open Windows Media Player to synchronise music files.
- 5 Edit or enter your device's name in the pop-up window (if necessary).
- 6 Select and drag the music files you want to the sync list.
- 7 Start synchronisation.

Connect as a mass storage device

You can connect your device to a PC as a removable disk and access the file directory. If you insert a memory card in the device, you can also access the file directory of the memory card by using the device as a memory card reader.

- 1 If you want to transfer files from or to a memory card, insert a memory card into the device.
 - 2 In Menu mode, select **Settings** → **Wireless and network** → **USB settings** → **Mass storage**.
 - 3 Press [] to return to Idle mode.
 - 4 Using the PC data cable, connect the multifunction jack on your device to a PC.
 - 5 When connected, select **Mount**.
 - 6 Open the folder to view files on the PC.
 - 7 Copy files from the PC to your device or memory card.
 - 8 When you are finished, select **Turn Off**.
-  To disconnect the device to the PC, click the USB device icon on the Windows task bar and click the option to safely remove the mass storage device. Then remove the PC data cable from the PC. Otherwise, you may lose data stored on the memory card or damage the memory card.

Safety precautions

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

Warning: Prevent electric shock, fire, and explosion

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

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

Do not bend or damage the power cord

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

Do not short-circuit the charger or the battery

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

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

Do not use your device during a thunderstorm

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

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

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

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

Turn off your device where prohibited

Comply with all regulations that restrict the use of a mobile device in a particular area.

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.
- If you must use your device, keep at least 15 cm away from the pacemaker.
- To minimise the possible interference with a pacemaker, use your device on the opposite side of your body from the pacemaker.

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

If you personally use any medical equipment, contact the manufacturer of the equipment to ensure the safety of your equipment from radio frequency.

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

Some hearing aids may be interfered with by the radio frequency of your device. Contact the manufacturer to ensure the safety of your hearing aid.

Turn off the device in potentially explosive environments

- Turn off your device in potentially explosive environments.
- Always comply with regulations, instructions and signs in potentially explosive environments.
- Do not use your device at refuelling points (service stations), near fuels or chemicals, and at 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 in an aircraft

Using your device in an aircraft is illegal. Your device may interfere with the electronic navigation instruments of the aircraft.

Electronic devices in a motor vehicle may malfunction due to the radio frequency of your device

Electronic devices in your car may malfunction due to radio frequency of your device. Contact the manufacturer for more information.

Proper care and use of your mobile device

Keep your device dry

- Humidity and all types of liquids may damage device parts or electronic circuits.
- When wet, turn off your device. Dry your device with a towel and take it to a service centre.
- Liquids will change the colour of the label that indicates water damage inside the device. Water damage to your device can void your manufacturer's warranty.

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

Dust can cause your device to malfunction.

Do not store your device on slopes

If your device falls, it can be damaged.

Do not store your device in hot or cold areas. Use your device at -20 °C to 45 °C

- Your device can explode if left inside a closed vehicle, as the inside temperature can reach up to 80 °C.
- Do not expose your device to direct sunlight for extended periods of time (such as on the dashboard of a car).
- Store the battery at -20 °C to 45 °C.

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

- Your device may become deformed or malfunction.
- If the battery terminals are in contact with metal objects, it may cause a fire.

Do not store your device near magnetic fields

- Your device may malfunction or the battery may discharge from exposure to magnetic fields.
- Magnetic stripe cards, including credit cards, phone cards, passbooks, and boarding passes, may be damaged by magnetic fields.
- Do not use carrying cases or accessories with magnetic closures or allow your device to come in contact with magnetic fields for extended periods of time.

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

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

Do not drop your device or cause impacts to your device

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

Do not use a flash close to the eyes of people or animals

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

Ensure maximum battery and charger life

- Avoid charging batteries for more than a week, as overcharging may shorten battery life.
- Over time, unused batteries will discharge and must be recharged before use.

- Disconnect chargers from power sources when not in use.
- Use batteries only for their intended purposes.

Protect your hearing



- 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.

Use caution when using the device while walking or moving

Always be aware of your surroundings to avoid injury to yourself or others. You can be injured or damage the device if you fall.

Do not disassemble, modify, or repair your device

- Any changes or modifications to your device can void your manufacturer's warranty. For service, 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 your device

Paint can clog moving parts and prevent proper operation. If you are allergic to the paint or metal parts of the device, stop using the device and consult your physician.

When cleaning your device:

- Wipe your device or charger with a towel or a rubber.
- Clean the terminals of the battery 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, damage the device, or make calls that increase your charges.

Install mobile devices and equipment with caution

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

Allow only qualified personnel to service your device

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

Handle SIM cards or memory cards with care

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

Ensure access to emergency services

Emergency calls from your device may not be possible in some areas or circumstances. Before travelling in remote or undeveloped areas, plan an alternate method of contacting emergency services personnel.

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 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 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.

Non-compliance with the above restrictions may result in violation of FCC RF 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 **A3LSHWM300S**.

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.

Specific Absorption Rate (SAR) certification information

Your device conforms to European Union (EU) standards that limit human exposure to radio frequency (RF) energy emitted by radio and telecommunications equipment. These standards prevent the sale of mobile devices that exceed a maximum exposure level (known as the Specific Absorption Rate, or SAR) of 2.0 W/kg.

In normal use, the actual SAR is likely to be much lower, as the device has been designed to emit only the RF energy necessary to transmit a signal to the nearest base station. By automatically emitting lower levels when possible, your device reduces your overall exposure to RF energy. The Declaration of Conformity statement at the back of this manual demonstrates your device's compliance with the European Radio & Terminal Telecommunications Equipment (R&TTE) directive.

Correct disposal of this product



(Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European 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 at the end of their working life.

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 the European Union and other European countries with separate battery return 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 at the end of their working life.

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.

The rechargeable battery incorporated in this product is not user replaceable. For information on its replacement, please contact your service provider.

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

To install Kies (PC Sync) Kies

1. Download the latest version of Kies from the Samsung website (www.samsungmobile.com) and install it on your PC.
2. In Menu mode, select **Settings** → **Wireless and network** → **USB settings** → **Samsung Kies**.
3. Using a PC data cable, connect your device to your PC.
Refer to the Kies help for more information.

FCC Notice and Cautions

FCC Notice

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

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

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

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

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

Within the 5.15–5.25 GHz band, UNII devices will be restricted to indoor operations to reduce any potential for harmful interference to co-channel MSS operations in US.

Cautions

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