

### 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.

**Handle and dispose of batteries and chargers with care**

- Use only Samsung-approved batteries and chargers specifically designed for your device. Incompatible batteries and chargers can cause serious injuries or damage to your device.
- Never dispose of batteries or devices in a fire. Follow all local regulations when disposing of used batteries or devices.

**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.

- Never place batteries or devices on or in heating devices, such as microwave ovens, stoves, or radiators. Batteries may explode when overheated.
- Never crush or puncture the battery. Avoid exposing the battery to high external pressure, which can lead to an internal short circuit and overheating.

**Protect the device, batteries, and chargers from damage**

- Avoid exposing your device and batteries to very cold or very hot temperatures.
- Extreme temperatures can cause the deformation of the device and reduce the charging capacity and life of your device and batteries.
- Prevent batteries from contacting metal objects, as this can create a connection between the + and – terminals of your batteries 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

**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.

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

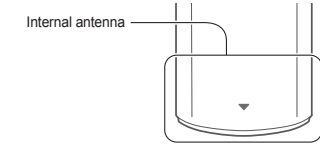
- Using generic batteries or chargers may shorten the life of your device or cause the device to malfunction.
- Samsung cannot be responsible for the user's safety when using accessories or supplies that are not approved by Samsung.

**Do not bite or suck on the device or the battery**

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

**When speaking on the device:**

- Hold the device upright, as you would with a traditional phone.
- Speak directly into the mouthpiece.
- Avoid contact with your device's internal antenna. Touching the antenna may reduce the call quality or cause the device to transmit more radio frequency than necessary.



- Hold the device with a relaxed grip, press the keys lightly, use special features that reduce the number of keys you have to press (such as templates and predictive text), and take frequent breaks.

- 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 instead of removing the battery.
- 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.

**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.

**Do not carry your device in your back pockets or around your waist**

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 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 product, you may experience itching, eczema, or swelling of the skin. When this happens, stop using the product 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.

### Comply with all safety warnings and regulations regarding mobile device usage while operating a vehicle

While driving, safely operating the vehicle is your first responsibility. Never use your mobile device while driving, if it is prohibited by law. For your safety and the safety of others, practice good common sense and remember the following tips:

- Use a hands-free device.
- Get to know your device and its convenience features, such as speed dial and redial. These features help you reduce the time needed to place or receive calls on your mobile device.
- Position your device within easy reach. Be able to access your wireless device without removing your eyes from the road. If you receive an incoming call at an inconvenient time, let your voice mail answer it for you.
- Let the person you are speaking with know you are driving. Suspend calls in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice, and heavy traffic can be hazardous.
- Do not take notes or look up phone numbers. Jotting down a "to do" list or flipping through your address book takes attention away from your primary responsibility of driving safely.
- Dial sensibly and assess the traffic. Place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call, dial only a few numbers, check the road and your mirrors, then continue.
- Do not engage in stressful or emotional conversations that may be distracting. Make people you are talking with aware you are driving and suspend conversations that have the potential to divert your attention from the road.
- Use your device to call for help. Dial a local emergency number in the case of fire, traffic accident, or medical emergencies.

**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.

**Be sure to back up important data**

Samsung is not responsible for data loss.

- Some of the contents in this manual may differ from your phone depending on the software of the phone or your service provider.
- Third party services may be terminated or interrupted at any time, and Samsung makes no representation or warranty that any content or service will remain available for any period of time.
- This product includes certain free/open source software. The exact terms of the licences, disclaimers, acknowledgements and notices are available on the Samsung's website [opensource.samsung.com](http://opensource.samsung.com).

[www.samsungmobile.com](http://www.samsungmobile.com)

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- Use your device to help others in emergencies. If you see an auto accident, a crime in progress, or a serious emergency where lives are in danger, call a local emergency number.
- Call roadside assistance or a special, non-emergency assistance number when necessary. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or another special, non-emergency number.

### 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, remove the battery without turning on 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 50 °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 0 °C to 40 °C.

**Do not distribute copyright-protected material**

Do not distribute copyright-protected material that you have recorded to others 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.

### 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.

During testing, the maximum SAR recorded for this model was 0.863 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. For more information about the SAR and related EU standards, visit the Samsung website.

### 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.

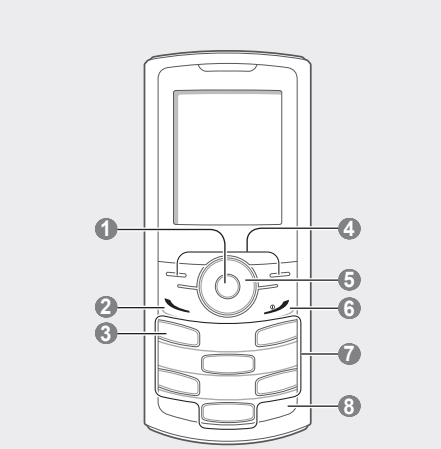
### Correct disposal of batteries in this product

(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.

### Phone layout



①

**Confirm key**

Select the highlighted menu option or confirm an input; In Idle mode, access Menu mode  
*Depending on your service provider or region, the key may perform differently*

②

**Dial key**

Make or answer a call; In Idle mode, retrieve logs of your calls and messages  
*See "Activate and send an SOS message"*

③

**Voice mail service key**

In Idle mode, access voice mails (press and hold)

④

**Softkeys**

Perform actions indicated at the bottom of the display

⑤

**4-way navigation key**

Scroll through menu options; In Idle mode, access user-defined menus (left/right/up/down); Make a fake call (down)  
*Depending on your service provider, the default home screen or pre-defined menus may differ*  
*See "Make fake calls"*

⑥

**Power/End key**

Turn the phone on and off (press and hold); End a call; In Menu mode, cancel input and return to Idle mode

⑦

**Alphanumeric key**

⑧

**Silent profile key**

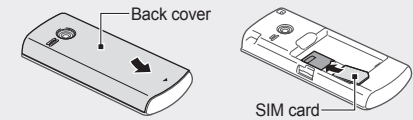
In Idle mode, activate or deactivate the silent profile (press and hold)

Your phone displays the following status indicators on the top of the screen:

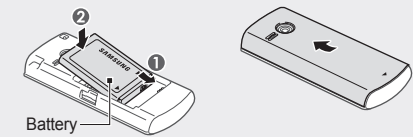
Icon	Description	Icon	Description
	Signal strength		FM radio suspended
	GPRS network connected		Synchronised with PC
	Call in progress		New text message (SMS)
	Call diverting activated		New multimedia message (MMS)
	SOS message feature activated		New voice mail message
	Alarm activated		Memory card inserted
	Bluetooth activated		Normal profile activated
	Connecting to secured web page		Silent profile activated
	Roaming (outside of normal service area)		Battery power level
	FM radio on		

## Install the SIM card and battery

- Remove the back cover and insert the SIM card.

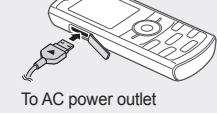


- Insert the battery and replace the back cover.



## Charge the battery

- Plug the supplied travel adapter.
- When charging is finished, unplug the travel adapter.



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

## Change your ringtone

- In Menu mode, select **Settings** → **Sound profiles**.
- Scroll to the profile you are using.

- If you are using the silent, offline, or meeting profile, you are not allowed to change the ringtone.

- Press **<Edit>** → **Voice call ringtone**.
- Select a memory location (if necessary).
- Select a ringtone.

To switch to another profile, select it from the list.

## Call a recently dialled number

- In Idle mode, press [↵].
- Scroll left or right to a call type.
- Scroll up or down to a number or name.
- Press the Confirm key to view details of the call or [↵] to dial the number.

## Use the smart home screen

The smart home screen allows you to access your favourite applications and contacts and view upcoming events or tasks. You can customise the smart home screen to fit your preferences and needs.

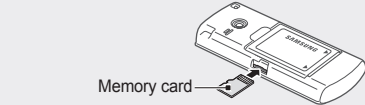
- When you are using the smart home screen, the Navigation key does not work as shortcuts.

## Insert a memory card (optional)

Your phone accepts microSD™ or microSDHC™ memory cards up to 8 GB (depending on memory card manufacturer and type).

- Formatting the memory card on a PC may cause incompatibility with your phone. Format the memory card only on the phone.

- Remove the back cover.
- Insert a memory card with the gold-coloured contacts facing up.



- Push the memory card in the memory card slot until it locks in place.

- Replace the back cover.

## Instructional icons

	<b>Note:</b> notes, usage tips, or additional information
	<b>Followed by:</b> the order of options or menu you must select to perform a step; for example: In Menu mode, select <b>Messages</b> → <b>Create message</b> (represents <b>Messages</b> , followed by <b>Create message</b> )
	<b>Square brackets:</b> phone keys; for example: [↵] (represents the Power/End key)
	<b>Angled brackets:</b> softkeys that control different functions at each screen; for example: <OK> (represents the <b>OK</b> softkey)

## Turn your phone on or off

To turn your phone on,

- Press and hold [↵].
- Enter your PIN and press <OK> (if necessary).
- When the setup wizard opens, customise your phone as desired by following the screen.

- If you remove the battery, the time and date will be reset.

To turn your phone off, repeat step 1 above.

- Monthly calendar:** view the monthly calendar.
- Dual clock:** view a clock of your home zone and the second zone you set.

### To customise the shortcuts toolbar

- In Menu mode, select **Settings** → **Display** → **Smart home**.
- Press **<Edit>**.
- Scroll to **Shortcuts toolbar** and press **<Options>** → **Edit shortcuts**.
- Select a menu to change or an empty location.
- Select the menus you want. Press the Navigation key right to select submenus (if necessary).
- Press **<Save>**.

## Enter text

### To change the text input mode

- Press and hold [#] to switch between T9 and ABC modes. Depending on your region, you may be able to access an input mode for your specific language.
- Press [##] to change case or switch to Number mode.
- Press [✳] to switch to Symbol mode.
- Press and hold [✳] to select an input mode or change the input language.

## Activate and send an SOS message

In an emergency, you can send SOS messages to your family or friends for help.

### To activate the SOS message

- In Menu mode, select **Messages** → **Settings** → **SOS messages** → **Sending options**.
- Press the Confirm key to turn on the SOS message.
- Scroll down and press the Confirm key to open the recipient list.
- Press **<Options>** → **Search** to open your contact list. You can also enter phone numbers including a country code (with +) in the recipient list. Skip to step 7.
- Select a contact.
- Select a number (if necessary).
- When you are finished selecting contacts, press the Confirm key to save the recipients.
- Scroll down and set the number of times to repeat the SOS message.
- Press **<Back>** → **<Yes>**.

### To send an SOS message

- With the keys locked, press [↵] four times to send an SOS message to preset numbers. The phone switches to SOS mode and sends the preset SOS message.
- To exit SOS mode, press [↵].

## Access menus

To access your phone's menus,

- In Idle mode, press **<Menu>** to access Menu mode.

- You may need to press the Confirm key to access Menu mode depending on your region or service provider. When you are using the smart home screen, you cannot use the Confirm key to access Menu mode.

- Use the Navigation key to scroll to a menu or option.
- Press **<Select>**, **<OK>**, or the Confirm key to confirm the highlighted option.
- Press **<Back>** to move up one level; Press [↵] to return to Idle mode.

- When you access a menu requiring the PIN2, you must enter the PIN2 supplied with the SIM card. For details, contact your service provider.
- Samsung is not responsible for any loss of passwords or private information or other damages caused by illegal software.

## Make a call

- In Idle mode, enter an area code and a phone number.
- Press [↵] to dial the number.
- To end the call, press [↵].

### T9 mode

- Press appropriate alphanumeric keys to enter an entire word.
- When the word displays correctly, press [0] to insert a space. If the correct word does not display, select an alternate word from the list that appears.

### ABC mode

Press an appropriate alphanumeric key until the character you want appears on the display.

### Number mode

Press an appropriate alphanumeric key to enter a number.

### Symbol mode

Press an appropriate alphanumeric key to enter a symbol.

### To use other features for text input

- To move the cursor, press the Navigation key.
- To delete characters one by one, press **<Clear>**. To delete characters quickly, press and hold **<Clear>**.
- To insert a space between characters, press [0].
- To change line, press [0] three times.
- To enter punctuation marks, press [1].

## Answer a call

- When a call comes in, press [↵].
- To end the call, press [↵].

## Adjust the volume

### To adjust the volume of the ringtone

- In Menu mode, select **Settings** → **Sound profiles**.
- Scroll to the profile you are using.

- If you are using the silent, offline, or meeting profile, you are not allowed to adjust the volume of the ringtone.

- Press **<Edit>** → **Volume**.
- Scroll to **Call alert**.
- Scroll left or right to adjust the volume level and press **<Save>**.

### To adjust the volume of voice during a call

While a call is in progress, press the Navigation key up or down to adjust the volume.

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

## Add a new contact

- The memory location to save new contacts may be preset depending on your service provider. To change the memory location, in Menu mode, select **Contacts** → **<Options>** → **Settings** → **Save new contact to** → a memory location.

- In Idle mode, enter a phone number and press the Confirm key.
- Select **Create contact** → a memory location (if necessary).
- Select a number type (if necessary).
- Enter contact information.
- Press the Confirm key or press **<Options>** → **Save** to add the contact to memory.

## Send and view messages

### To send a text or multimedia message

- In Menu mode, select **Messages** → **Create message**.
- Enter a recipient number and scroll down.
- Enter your message text. *See "Enter text"* For sending as a text message, skip to step 5. For attaching multimedia, continue with step 4.
- Press **<Options>** → **Add multimedia** and add an item.
- Press the Confirm key to send the message.

### To view text or multimedia messages

- In Menu mode, select **Messages** → **Inbox**.
- Select a text or multimedia message.

## Make fake calls

You can simulate an incoming call when you want to get out of meetings or unwanted conversations.

### To activate the fake call feature

In Menu mode, select **Settings** → **Call** → **Fake call** → **Fake call hot key** → **On**.

### To make a fake call

- In Idle mode, press and hold the Navigation key down.
- When the keys are locked, press the Navigation key down four times.

## Activate the mobile tracker

When someone inserts a new SIM card in your phone, the mobile tracker feature will automatically send the contact number to two recipients to help you locate and recover your phone. To activate the mobile tracker,

- In Menu mode, select **Settings** → **Security** → **Mobile tracker**.

- Enter your password and press **<OK>**.

- The first time you access **Mobile tracker**, you will be prompted to create and confirm a password.

- Press the Confirm key to turn on the mobile tracker feature.
- Scroll down and press the Confirm key to open the recipient list.
- Press **<Options>** → **Contacts** to open your contact list. You can also enter phone numbers including a country code (with +) in the recipient list. Skip to step 9.
- Select a contact.
- Select a number (if necessary).
- When you are finished selecting contacts, press **<Add>**.
- Press the Confirm key to save the recipients.
- Scroll down and enter the sender's name.
- Press the Confirm key → **<Accept>**.

SAMSUNG ELECTRONICS	
<b>Declaration of Conformity (R&amp;TTE)</b>	
We, <b>Samsung Electronics</b>	
declare under our sole responsibility that the product	
<b>GSM Mobile Phone : GT-E2230</b>	
to which this declaration relates, is in conformity with the following standards and/or other normative documents.	
SAFETY	EN 60950-1 : 2006 + A11:2009 EN 50332-2 : 2003
SAR	EN 50360 : 2001 EN 62209-1 : 2006
EMC	EN 301 489-01 V1.8.1 (04-2008) EN 301 489-07 V1.3.1 (11-2005) EN 301 489-17 V2.1.1 (05-2009)
RADIO	EN 301 511 V9.0.2 (03-2003) EN 300 328 V1.7.1 (10-2006)
We hereby declare that [all essential radio test suites have been carried out and that] the above named product is in conformity to all the essential requirements of Directive 1999/5/EC.	
The conformity assessment procedure referred to in Article 10 and detailed in Annex(IV) of Directive 1999/5/EC has been followed with the involvement of the following Notified Body(ies):	
BABT, Forsyth House, Churchfield Road, Walton-on-Thames, Surrey, KT12 2TD, UK* Identification mark: 0168	
The technical documentation kept at : <b>Samsung Electronics QA Lab.</b>	
which will be made available upon request.	
<i>(Representative in the EU)</i> Samsung Electronics Euro QA Lab. Blackbushe Business Park, Saxony Way, Yateley, Hampshire, GU46 6GG, UK*	
2011.01.26 (place and date of issue)	Joong-Hoon Choi / Lab Manager (name and signature of authorised person)

\* It is not the address of Samsung Service Centre. For the address or the phone number of Samsung Service Centre, see the warranty card or contact the retailer where you purchased your product.