

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

**SAMSUNG ELECTRONICS**



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**user manual**



# using this manual

This user manual has been specially designed to guide you through the functions and features of your mobile phone. To get started quickly, refer to “introducing your mobile phone,” “assembling and preparing your mobile phone,” and “using basic functions.”

## Instructional icons

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



WARNING

**Warning**—situations that could cause injury to yourself or others



CAUTION


**Caution**—situations that could cause damage to your phone 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 **Messages** → **Create message** (represents **Messages**, followed by **Create message**)
- [ ] **Square brackets**—phone keys; for example: [  ] (represents the Power/Menu exit key)
- < > **Angled brackets**—softkeys that control different functions at each screen; for example: <OK> (represents the **OK** softkey)

## Copyright information

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- Java™ is a trademark of Sun Microsystems, Inc.

# CE 0168

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# safety and usage information

Comply with the following precautions to avoid dangerous or illegal situations and ensure peak performance of your mobile phone.



## Safety warnings

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

**Certification Information (SAR)** Your wireless phone 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 phones 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 phone 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 phone while operating can be well below the maximum value. This is because the phone 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 phone 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 phone are performed in positions and locations (e.g. at the ear and worn on the

body) as required by the FCC. The highest SAR values for this model phone as reported to the FCC are:

GSM850 Head: 0.301 W/Kg, Body-worn: 0.576 W/Kg;  
GSM1900 Head: 0.556 W/Kg, Body-worn: 0.558 W/Kg. For body worn operation, this model phone has been tested and meets the FCC RF exposure guidelines when used with a Samsung accessory designated for this product or when used with an accessory that contains no metal and that positions the handset a minimum of 1.5 cm from the body. Non-compliance with the above restrictions may result in violation of FCC RF exposure guidelines. SAR information on this and other model phones can be viewed on-line at [www.fcc.gov/oet/fccid](http://www.fcc.gov/oet/fccid). This site uses the phone FCC ID number, A3LSWDS5200. Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional product specific SAR information can also be obtained at [www.fcc.gov/cgb/sar](http://www.fcc.gov/cgb/sar).

### **Consumer Information on Wireless Phones**



The U.S. Food and Drug Administration (FDA) has published a series of Questions and Answers for consumers relating to radio frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

### **What kinds of phones are the subject of this update?**

The term wireless phone refers here to hand-held wireless phones with built-in antennas, often called "cell," "mobile" or "PCS" phones. These types of wireless phones can expose the user to measurable radio frequency energy (RF) because of the short distance between the phone and the user's head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies. When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called "cordless phones," which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures well within the FCC's compliance limits.

### **Do wireless phones pose a health hazard?**

The available scientific evidence does not show that any health problems are associated with using wireless

phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radio frequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

### **What is FDA's role concerning the safety of wireless phones?**

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radio frequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require

the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists. Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- "Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- "Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and

"Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- "National Institute for Occupational Safety and Health

- "Environmental Protection Agency
- "Federal Communications Commission
- "Occupational Safety and Health Administration
- "National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well. FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF

exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones. FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones. Base stations are thus not the primary subject of the safety questions discussed in this document.

## **What are the results of the research done already?**

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radio frequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless

phones, so we don't know with certainty what the results of such studies mean for human health. Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phones RF exposures. However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

## **What research is needed to decide whether RF exposure from wireless phones poses a health risk?**

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but ten or more years' follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

**What is FDA doing to find out more about the possible health effects of wireless phone RF?** FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal

studies are conducted to address important questions about the effects of exposure to radio frequency energy (RF).FDA has been a leading participant in the World Health Organization international Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.FDA and Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

## **What steps can I take to reduce my exposure to radio frequency energy from my wireless phone?**

If there is a risk from these products - and at this point we do not know that there is - it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radio frequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

"If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna. Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

## **What about children using wireless phones?**

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radio frequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure. Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

## **Do hands-free kits for wireless phones reduce risks from exposure to RF emissions?**

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used with wireless phones for convenience and comfort. These systems reduce the absorption of RF energy in the head because the phone, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the phone is mounted against the waist or other part of the body during use, then that part of the body will absorb more RF energy. Wireless phones marketed in the U.S. are required to meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit.

### **Do wireless phone accessories that claim to shield the head from RF radiation work?**

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that accessories that claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike "hands-free" kits, these so-called "shields" may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption. In February 2002, the Federal Trade Commission (FTC) charged two companies that sold devices that claimed to protect wireless phone users from radiation with making false and unsubstantiated claims. According to FTC, these defendants lacked a reasonable basis to substantiate their claim.

## **What about wireless phone interference with medical equipment?**

Radio frequency energy (RF) from wireless phones can interact with some electronic devices. For this reason,

FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical Instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI. FDA has tested wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a compatible phone and a compatible hearing aid at the same time. This standard was approved by the IEEE in 2000. FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem. Additional information on the safety of RF

exposures from various sources can be obtained from the following organizations:

- FCC RF Safety Program: <http://www.fcc.gov/oet/rfsafety/>
- Environmental Protection Agency (EPA): <http://www.epa.gov/radiation/>.
- Occupational Safety and Health Administration's (OSHA): <http://www.osha.gov/SLTC/radiofrequencyradiation/index.html>
- National Institute for Occupational Safety and Health (NIOSH): <http://www.cdc.gov/niosh/emfpg.html> .
- World Health Organization (WHO): <http://www.who.int/peh-emf/>.
- International Commission on Non-Ionizing Radiation Protection: <http://www.icnirp.de>.
- National Radiation Protection Board (UK): <http://www.nrpb.org.uk>.

Updated 4/3/2002: US Food and Drug Administration <http://www.fda.gov/cellphones>

## Road safety

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Your wireless phone gives you the powerful ability to communicate by voice, almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When you are driving a car, driving is your first responsibility. When using your wireless phone while driving, follow local regulations in the country or region you are in.

## Operating environment

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Remember to follow any special regulations in force in the area you are in, and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger.°×Federal Communications Commission

When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position (held to your ear with the antenna pointing over your shoulder).

## Electronic devices

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Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone. Consult the manufacturer to discuss alternatives.

### Pacemakers

Pacemaker manufacturers recommend that a minimum distance of 15 cm (6 inches) be maintained between a wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research and recommendations of Wireless Technology Research. If you have any reason to suspect that



interference is taking place, switch off your phone immediately.

### **Hearing aids**

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may wish to consult your hearing aid manufacturer to discuss alternatives.

### **Other medical devices**

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy.

Your physician may be able to assist you in obtaining this information.

Switch off your phone in health care facilities when regulations posted in these areas instruct you to do so.

### **Vehicles**

RF signals may affect improperly installed or inadequately shielded electronic systems in motor

vehicles. Check with the manufacturer or its representative regarding your vehicle.

You should also consult the manufacturer of any equipment that has been added to your vehicle.

### **Posted facilities**

Switch off your phone in any facility where posted notices require you to do so.

### **Potentially explosive environments**

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Switch off your phone when in any area with a potentially explosive atmosphere, and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Users are advised to switch off the phone while at a refuelling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include the areas below decks on boats, chemical transfer or storage

facilities, vehicles using liquefied petroleum gas, such as propane or butane, areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

## Emergency calls

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This phone, like any wireless phone, operates using radio signals, wireless, and landline networks as well as user-programmed functions, which cannot guarantee connection in all conditions. Therefore, you should never rely solely on any wireless phone for essential communications like medical emergencies.

To make or receive calls, the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

To make an emergency call:

1. Switch on the phone.

2. Key in the emergency number for your present location. Emergency numbers vary by location.


3. Press [ ].

Certain features like Call Barring may need to be deactivated before you can make an emergency call. Consult this document and your local cellular service provider.

## FCC Notice and Cautions

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### 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 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 phone may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the phone 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 phone, not expressly approved by Samsung, will void the user's authority to operate the equipment. Only use approved batteries, antennas and chargers. The use of any unauthorized accessories may be dangerous and void the phone warranty if said accessories cause damage or a defect to the phone. Although your phone 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 phone or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the phone, its parts, or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. Improperly installed wireless equipment could result in serious injury if the air bag inflates.

Switch off your phone before boarding an aircraft. It is dangerous and illegal to use wireless phones in an aircraft because they can interfere with the operation of the aircraft.

Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

## Care and maintenance

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Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years.

- Keep your phone and all its parts and accessories out of the reach of small children and pets. They may accidentally damage these things or choke on small parts.
- Keep the phone dry. Precipitation, humidity, and liquids contain minerals that corrode electronic circuits.
- Do not use the phone with a wet hand. Doing so may cause an electric shock to you or damage to the phone.

Do not use or store the phone in dusty, dirty areas, as its moving parts may be damaged.

- Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the phone in cold areas. When the phone warms up to its normal operating temperature, moisture can form inside the phone, which may damage the phone's electronic circuit boards.
- Do not drop, knock, or shake the phone. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the phone. Wipe it with a soft cloth.
- Do not paint the phone. Paint can clog the device's moving parts and prevent proper operation.
- Do not put the phone in or on heating devices, such as a microwave oven, stove, or radiator. The phone may explode when overheated.

When the phone or battery gets wet, the label indicating water damage inside the phone changes

- colour. In this case, phone repairs are no longer guaranteed by the manufacturer's warranty, even if the warranty for your phone has not expired.
- If your phone has a flash or light, do not use it too close to the eyes of people or animals. This may cause damage to their eyes.
- Use only the supplied or an approved replacement antenna. Unauthorised antennas or modified accessories may damage the phone and violate regulations governing radio devices.

If the phone, battery, charger, or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

# introducing your mobile phone

In this section, learn about your mobile phone's layout, keys, display, and icons.

## Unpack

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Check your product box for the following items:

- Mobile phone
- Battery
- Travel adapter (charger)
- User manual



The items supplied with your phone 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.

# using basic functions

Learn how to perform basic operations and use the main features of your mobile phone.

## Turn your phone on and off

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To turn your phone on,

1. Slide open the phone.
2. Press and hold [].
3. Enter your PIN and press <OK> (if necessary).
4. When the setup wizard opens, customise your phone as desired by following the screen.

To turn your phone off, repeat steps 1 and 2 above.

## Switch to the offline profile

By switching to the offline profile, you can use your phone's non-network services in areas where wireless devices are prohibited, such as aeroplane and hospitals.



To switch to the offline profile, in Menu mode, select **Settings** → **Phone profiles** → **Offline**.




Follow all posted warnings and directions from official personnel when in areas where wireless devices are prohibited.

## Access menus

---

To access your phone's menus,

1. In Idle mode, press the Confirm key to access Menu mode.
2. Use the navigation key to scroll to a menu or option.
3. Press the Confirm key, <**Select**>, or <**OK**> to confirm the highlighted option.
4. Press <**Back**> to move up one level; Press [> to return to Idle mode.

## Customise your phone

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

### Adjust the volume of the key tones

In Idle mode, press the Volume key up or down to adjust the key tone volume.

### Switch to or from the silent profile

In Idle mode, press and hold [**#**] to silence or unsilence your phone.

### Change your ringtone

1. In Menu mode, select **Settings** → **Phone profiles**.
2. Scroll to the profile you are using.
3. Press <**Options**> → **Edit** → **Voice call ringtone**.

4. Select a ringtone category → a ringtone.
  5. Press <Options> → **Save profile**.
- To switch to another profile, select it from the list.

## Create a phone profile

1. In Menu mode, select **Settings** → **Phone profiles**.
2. Press <Options> → **Create**.
3. Enter a name for the profile and press <Save>.
4. Customise the sound settings as desired.
5. When you are finished, press <Options> → **Save profile**.

## Select a wallpaper (Idle mode)

1. In Menu mode, select **Settings** → **Display and light** → **Home screen**.
2. Scroll left or right to **Image**.

3. Select **Wallpaper**.
4. Select an image category → an image.
5. Press <Save>.

## Select a theme for the display

To create a theme,

1. In Menu mode, select **Settings** → **Display and light** → **My theme**.
2. Press <Options> → **Create**.
3. Customise the theme as desired by following the screen.
4. When you are finished, enter a name for the theme and press <Save>.
5. Press <Yes> to apply the theme.



If you select the same colour for the entire theme, you may not be able to recognise the display.

To apply a theme,

1. In Menu mode, select **Settings** → **Display and light** → **My theme**.
2. Select a theme and press <**Select**>.
3. Press <**Yes**> to apply the theme.

## Set menu shortcuts

1. In Menu mode, select **Settings** → **Phone settings** → **Shortcuts**.
2. Select a key to use as a shortcut.
3. Select a menu to assign to the shortcut key.

## Use the simplified menus

To set up simplified menu items,

1. In Idle mode, press <**Custom**>.
2. Press <**Options**> → **Customise menu**.

3. Select your favourite menus.  
Press <**Options**> → **Open** to select submenus (if necessary).
4. Press <**Save**>.

To access an item from the simplified menus,

1. In Idle mode, press <**Custom**>.
2. Scroll to the menu item you want and press the Confirm key.

## Lock your phone



1. In Menu mode, select **Settings** → **Security** → **Phone lock** → **On**.
2. Enter a new 4- to 8-digit password and press <**OK**>.
3. Enter the new password again and press <**OK**>.

## Use basic call functions



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Learn to make or answer calls and use basic call functions.

### Make a call

1. In Idle mode, enter an area code and a phone number.
2. Press [>] to dial the number
3. To end the call, press [].

### Answer a call

1. When a call comes in, press [].
2. To end the call, press [].

### Adjust the volume

To adjust the volume during a call, press the Volume key up or down.

## Use the speakerphone feature

1. During a call, press the Confirm key → <Yes> to activate the speaker.
2. To switch back to the earpiece, press the Confirm key again.



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

## Record a conversation



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

1. During a call, press <Options> → **Menu** → **Applications** → **Voice recorder**.
2. Press the Confirm key to start recording.
3. Press the navigation key down to stop recording.

## Use the headset

By plugging the supplied headset into the multifunction jack, you can make and answer calls:

- To redial the last call, press the headset button twice.
- To answer a call, press the headset button.
- To end a call, press the headset button.

## Send and view messages

---

Learn to send or view text (SMS), multimedia (MMS), or email messages.

### Send a text or multimedia message

1. In Menu mode, select **Messages** → **Create message** → **Message**.
2. Enter a destination number or an email address and scroll down.

3. Enter your message text. ► p. 26  
For sending as a text message, skip to step 5.  
For attaching multimedia, continue with step 4.
4. Press <**Options**> → **Add multimedia** and add an item.
5. Press the Confirm key to send the message.

### Send an email

1. In Menu mode, select **Messages** → **Create message** → **Email**.
2. Enter an email address and scroll down.
3. Enter a subject and scroll down.
4. Enter your email text.
5. Press <**Options**> → **Attach multimedia** and attach a file (if necessary).
6. Press the Confirm key to send the message.

## Enter text

When entering text, you can change the text input mode:

- Press and hold [**#**] to switch between T9 and ABC modes.
- Press [**#**] to change case or switch to Number mode.
- Press [**\***] to switch to Symbol mode.
- Press and hold [**\***] and select **Input method (T9 Ab)** to select an input mode.
- Press and hold [**\***] and select **Writing language** to select an input language.

Enter text in one of the following modes:

Mode	Function
ABC	Press the appropriate alphanumeric key until the character you want appears on the display.

Mode	Function
T9	<ol style="list-style-type: none"> <li>1. Press the appropriate alphanumeric keys to enter an entire word.</li> <li>2. When the word displays correctly, press [<b>0</b>] to insert a space. If the correct word does not display, select an alternate word from the list that appears.</li> </ol>
Number	Press the appropriate alphanumeric key to enter a number.
Symbol	Press the appropriate alphanumeric key to select a symbol.

## View text or multimedia messages

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

## View an email

1. In Menu mode, select **Messages** → **Email inbox**.
2. Select an account.
3. Press <**Options**> → **Download**.
4. Select an email or a header.

## Add and find contacts

---

Learn the basics of using the phonebook feature.

### Add a new contact

1. In Idle mode, enter a phone number and press <**Options**>.
2. Select **Save contact** → a memory location (phone or SIM) → **New**.

3. Select a number type (if necessary).
4. Enter contact information.
5. Press <**Options**> → **Save** to add the contact to memory.

### Find a contact

1. In Menu mode, select **Phonebook**.
2. Enter the first few letters of the name you want to find.
3. Select the contact's name from the search list.



Once you have found a contact, you can:

- call the contact by pressing [**Call**]
- edit the contact information by pressing the Confirm key

## Use basic camera functions

---

Learn the basics to capture and view photos and videos.

### Capture photos

1. In Idle mode, press and hold the Camera key to turn on the camera.
2. Rotate the phone anti-clockwise to landscape view.
3. Aim the lens at the subject and make any adjustments.
4. Press the Confirm key or the Camera key to take a photo.  
The photo is saved automatically.
5. Press <📷> or the Camera key to take another photo (step 3).

### View photos

In Menu mode, select **My files** → **Images** → **My photos** → a photo file.

### Capture videos

1. In Idle mode, press and hold the Camera key to turn on the camera.
2. Rotate the phone anti-clockwise to landscape view.
3. Press [**1**] to switch to Recording mode.
4. Aim the lens at the subject and make any adjustments.
5. Press the Confirm key or the Camera key to start recording.



6. Press <[confirm]>, the Confirm key, or the Camera key to stop recording.  
The video is saved automatically.
7. Press <[camera]> or the Camera key to record another video (step 4).

## View videos

In Menu mode, select **My files** → **Videos** → **My video clips** → a video file.

## Listen to music

Learn how to listen to music via the music player or FM radio.

### Listen to the FM radio

1. Plug the supplied headset into the phone's multifunction jack.
2. In Menu mode, select **FM radio**.

3. Press the Confirm key to turn on the FM radio.
4. Press <**Yes**> to start automatic tuning.  
The radio scans and saves available stations automatically.



The first time you access the FM radio, you will be prompted to start automatic tuning.

5. Scroll up or down to a radio station.
6. To turn off the FM radio, press the Confirm key.

### Listen to music files

Start by transferring files to your phone or memory card:

- Download from the wireless web. ► p. 30
- Download from a PC with the optional Samsung PC Studio. ► p. 37
- Receive via Bluetooth. ► p. 41
- Copy to your memory card. ► p. 37

After transferring music files to your phone or memory card,

1. In Menu mode, select **Music player**.
2. Select a music category → a music file.
3. Control playback using the following keys:

Key	Function
Confirm	Pause or resume playback
Volume	Adjust the volume up or down
Navigation	<ul style="list-style-type: none"> <li>• Left: Restart playback; Skip backward (press within 3 seconds); Scan backward in a file (press and hold)</li> <li>• Right: Skip forward; Scan forward in a file (press and hold)</li> <li>• Up: Open the playlist</li> <li>• Down: Stop playback</li> </ul>



If you select **My files** → **Memory card** → a music file, you cannot skip forward or backward during playback.

## Browse the web

Learn to access and bookmark your favourite web pages.

### Browse web pages

1. In Menu mode, select **Browser** → **Home** to launch your service provider's homepage.
2. Navigate web pages using the following keys:

Key	Function
Navigation	Scroll up or down on a web page
Confirm	Select an item
<Back>	Return to the previous page
<Options>	Access a list of browser options

## Bookmark your favourite web pages

1. In Menu mode, select **Browser** → **Bookmarks**.
2. Press <**Options**> → **Add bookmark**.
3. Enter a page title and a web address (URL).
4. Press <**Save**>.



# using advanced functions

Learn how to perform advanced operations and use additional features of your mobile phone.


## Use advanced call functions

---



Learn about your phone's additional calling capabilities.

### View and dial missed calls

Your phone will display calls you have missed on the display. To dial the number of a missed call,

1. Press <View>.
2. Scroll to the missed call you want to dial.
3. Press [>] to dial.

### Call a recently dialed number



1. In Idle mode, press [>] to display a list of recent numbers.
2. Scroll to the number you want and press [>] to dial.

## Hold a call or retrieve a held call

Press <**Hold**> to place a call on hold or press <**Retrieve**> to retrieve a held call.


## Dial a second call

If your network supports this function, you can dial another number during a call:

1. Press <**Hold**> to place the first call on hold.
2. Enter the second number to dial and press [].
3. Press <**Swap**> to switch between the two calls.
4. To end the call on hold, press <**Options**> → **End held call**.
5. To end the current call, press [].


## Answer a second call

If your network supports this function, you can answer a second incoming call:


1. Press [] to answer the second call.  
The first call is automatically placed on hold.
2. Press <**Swap**> to switch between the calls.

## Make a multiparty call (conference call)

1. Call the first party you want to add to the multiparty call.
2. While connected to the first party, call the second party.  
The first party is automatically placed on hold.
3. When connected to the second party, press <**Options**> → **Join**.


4. Repeat steps 2 and 3 to add more parties (if necessary).
5. To end the multiparty call, press [.

## Call an international number

1. In Idle mode, press and hold [0] to insert the + character.
2. Enter the complete number you want to dial (country code, area code, and phone number), and then press [.

## Call a contact from the phonebook

You can call numbers directly from the phonebook using stored contacts. ► p. 27

1. In Menu mode, select **Phonebook**.
2. Scroll to the number you want to dial and press [.

## Use advanced phonebook functions

Learn to create namecards, set speed dial numbers, and create groups of contacts.

### Create a namecard

1. In Menu mode, select **Phonebook**.
2. Press <Options> → **My namecard**.
3. Enter your personal details and press <Options> → **Save**.



You can send your namecard by attaching it to a message or email or transferring it via the Bluetooth wireless feature.

### Set speed dial numbers

1. In Menu mode, select **Phonebook**.
2. Press <Options> → **Settings** → **Speed dial**.
3. Scroll to a number you want to set (2-9) and press the Confirm key.

4. Select a contact → a number (if necessary) to assign to the number.

The contact is saved to the speed dial number.



You can now call this contact from Idle mode by pressing and holding the assigned speed dial number.

## Create a group of contacts

By creating groups of contacts, you can assign ringtones and caller ID photos to each group or send messages to an entire group. Start by creating a group:

1. In Menu mode, select **Phonebook**.
2. Scroll left or right to **Groups**.
3. Press **<Options>** → **Create group**.
4. Enter a group name.
5. To set the caller ID image, scroll down and press the Confirm key → an image category → an image.

6. To set a group ringtone, scroll down and press the Confirm key → a ringtone category → a ringtone.

7. Press **<Save>**.

## Use advanced messaging functions

Learn to create templates, use templates to create new messages, and use the messenger.

### Create a text template

1. In Menu mode, select **Messages** → **Templates** → **Text message templates**.
2. Press **<Create>** to open a new template window.
3. Enter your text and press the Confirm key to save the template.

## Create a multimedia template

1. In Menu mode, select **Messages** → **Create message** → **Message**.
2. Create a multimedia message, with a subject and desired attachments, to use as your template. ► p. 25
3. Press <Options> → **Save in** → **Templates** to save the template.

## Insert text templates in new messages

1. To start a new message, in Menu mode, select **Messages** → **Create message** → a message type.
2. In the text field, press <Options> → **Add text** → **Template** → a template.

## Create a message from a multimedia template

1. In Menu mode, select **Messages** → **Templates** → **Multimedia message templates**.
2. Scroll to the template you want and press <Options> → **Send**.  
Your template opens as a new multimedia message.

## Use the Bluetooth messenger

Learn to chat with your family or friends instantly via the Bluetooth wireless feature.

1. In Menu mode, select **Messages** → **Bluetooth messenger**.
2. Press <Yes> to turn on the Bluetooth wireless feature (if necessary).



3. Press <Options> → **Search Bluetooth contact** → **Search for new devices**.
4. Scroll to a device and press <Select>.
5. Enter a PIN for the Bluetooth wireless feature or the other device's Bluetooth PIN, if it has one, and press <OK>.  
When the owner of the other device enters the same PIN or accepts the connection, pairing is complete.
6. Enter your message and press the Confirm key.

## Use advanced music functions

---

Learn to prepare music files, create playlists, and store radio stations.

### Copy music files via Samsung PC Studio

1. Using an optional PC data cable, connect the multifunction jack on your phone to a PC.
2. Run Samsung PC Studio and copy files from the PC to the phone.  
Refer to the Samsung PC Studio help for more information.

### Copy music files to a memory card

1. Insert a memory card.
2. Using an optional PC data cable, connect the multifunction jack on your phone to a PC.  
When connected, a pop-up window will appear on the PC.
3. Select **Open folder to view files** in the pop-up window on the PC.
4. Copy files from the PC to the memory card.

## Create a playlist

1. In Menu mode, select **Music player** → **Playlists**.
2. Press <**Options**> → **Create playlist**.
3. Enter a title for your new playlist and press <**Save**>.
4. Select the new playlist.
5. Press <**Options**> → **Add** → **Tracks**.
6. Select the files you want to include and press <**Add**>.

## Customise your music player settings

Learn to adjust the playback and sound settings for your music player.

1. In Menu mode, select **Music player**.
2. Press <**Options**> → **Player settings**.

3. Adjust the settings to customise your music player.
4. Press <**Save**>.

## Record songs from the FM radio

1. Plug the supplied headset into the phone's multifunction jack.
2. In Menu mode, select **FM radio**.
3. Press the Confirm key to start the FM radio.
4. Press <**Options**> → **Record** to start recording.
5. When you are finished recording, press <**Stop**>. The music file will be saved in **FM radio clips** (in Menu mode, select **My files** → **Sounds**).



The recording feature is developed for voice recording only. The quality of the recording will be much lower than digital media.

## Store radio stations automatically

1. Plug the supplied headset into the phone's multifunction jack.
2. In Menu mode, select **FM radio**.
3. Press the Confirm key to start the FM radio.
4. Press <Options> → **Self-tuning**.
5. Press <Yes> to confirm (if necessary).  
The radio scans and saves available stations automatically.



# using tools and applications

Learn how to work with your mobile phone's tools and additional applications.

## Use the Bluetooth wireless feature

---

Learn about your phone's ability to connect to other wireless devices for exchanging data and using hands-free features.

### Turn on the Bluetooth wireless feature

1. In Menu mode, select **Applications** → **Bluetooth**.
2. Press <Options> → **Settings**.
3. Scroll down to **Activation**.
4. Scroll left or right to **On**.
5. To allow other devices to locate your phone, scroll down to **My phone's visibility** and scroll left or right to **On**.
6. Press <Save>.

## Find and pair with other Bluetooth-enabled devices

1. In Menu mode, select **Applications** → **Bluetooth** → **Search for new devices**.
2. Scroll to a device and press **<Select>**.
3. Enter a PIN for the Bluetooth wireless feature or the other device's Bluetooth PIN, if it has one, and press **<OK>**.  
When the owner of the other device enters the same PIN or accepts the connection, pairing is complete.

## Send data using the Bluetooth wireless feature

1. Select the file or item from one of your phone's applications that you want to send.

2. Press **<Options>** → **Send via** or **Send namecard via** → **Bluetooth** (when sending contact data, specify which data to send).

## Receive data using the Bluetooth wireless feature

1. Enter the PIN for the Bluetooth wireless feature and press **<OK>** (if necessary).
2. Press **<Yes>** to confirm that you are willing to receive data from the device (if necessary).

## Activate and send an SOS message

When you have an emergency, you can send an SOS message asking for help.

1. In Menu mode, select **Messages** → **Settings** → **SOS messages** → **Sending options**.
2. Scroll left or right to **On**.

3. Scroll down and press the Confirm key to open the recipient list.
4. Press the Confirm key to open your contact list.
5. Scroll to a contact and press the Confirm key.
6. Select a number (if necessary).
7. When you are finished selecting contacts, press **<Select>** to return to the recipient list.
8. Press the Confirm key to save the recipients.
9. Scroll down and set the number of times to repeat the SOS message.
10. Press **<Save>** → **<Yes>**.

To send an SOS message, the phone must be closed and the keys locked. Press the Volume key four times.



Once you send an SOS message, all phone functions will be suspended until you press [⏏].

## 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,

1. In Menu mode, select **Settings** → **Security** → **Mobile tracker**.
2. Enter your password and press **<OK>**.
3. Scroll left or right to **On**.
4. Scroll down and press the Confirm key to open the recipient list.
5. Press **<Options>** → **Phonebook** to open your contact list.
6. Scroll to a contact and press the Confirm key.
7. Select a number (if necessary).

8. When you are finished selecting contacts, press **<Select>** to return to the recipient list.
9. Press the Confirm key to save the recipients.
10. Scroll down and enter the sender's name.
11. Press **<Save>** → **<Accept>**.

## Make fake calls

You can simulate fake incoming calls when you want to get out of meetings or unwanted conversations. You can also make it appear as if you are talking on the phone by playing back a recorded voice.

To activate the fake call feature,

1. In Menu mode, select **Settings** → **Phone settings** → **Shortcuts** and set a shortcut key for **Fake call**.
2. Press **<Back>** twice.

3. Select **Application settings** → **Fake call** → **Fake call voice**.

To record a voice,

1. In Menu mode, select **Settings** → **Application settings** → **Fake call**.
2. Scroll to **Fake call voice**.
3. Press **<Options>** → **Edit**.
4. Press **<Record>** to start recording.
5. Speak into the microphone.
6. When you are finished speaking, press the navigation key down.
7. Press **<Set>** to set the recording as a response for the fake call.

To make a fake call,

- press and hold the shortcut key in Idle mode
- press the shortcut key four times when the phone is closed

## Record and play voice memos

Learn to operate your phone's voice recorder.

### Record a voice memo

1. In Menu mode, select **Applications** → **Voice recorder**.
2. Press the Confirm key to start recording.
3. Speak your memo into the microphone.
4. When you are finished speaking, press the navigation key down.

### Play a voice memo

1. From the voice recorder screen, press **<Options>** → **My voice clips**.
2. Select a file.

3. Control the playback using the following keys:

Key	Function
Confirm	Pause or resume playback
Volume	Adjust the volume up or down
Navigation	<ul style="list-style-type: none"><li>• Left: Skip backward</li><li>• Right: Skip forward</li><li>• Down: Stop playback</li></ul>

## Use Java-powered games and applications

Learn to use games and applications powered by award-winning Java technology.



## Play games

1. In Menu mode, select **Applications** → **Games and more** → **My games**.
2. Select a game from the list and follow the on-screen instructions.



Available games may vary, depending on your region or service provider. Game controls and options may vary.

## Launch applications

1. In Menu mode, select **Applications** → **Games and more** → an application.
2. Press <**Options**> to access a list of various options and settings for your application.

## Create and view world clocks

---

Learn to view the time in another city and set world clocks to appear on your display.


### Create a world clock

1. In Menu mode, select **Organiser** → **World clock**.
2. Press <**Options**> → **Add**.
3. Scroll left or right to a time zone.
4. To set daylight saving time, scroll down and press the Confirm key.
5. Press <**Save**> to create your world clock. The world clock is set as the second clock.
6. To add more world clocks, repeat steps 2-5 above.

## Add a world clock to your display

In Dual Clock Display mode, you can view clocks with two different time zones on your display.

After you have created world clocks,


1. In Menu mode, select **Organiser** → **World clock**.
2. Scroll to the world clock you want to add and press <Options> → **Set as second clock**.
3. Press <Options> → **Clock display setting**.  
 If **Clock display setting** is deactivated, set your wallpaper to **Image**. ► p. 22
4. Scroll left or right to **Dual**.
5. Scroll down, and then scroll left or right to select a dual clock style.
6. Press <Save>.

## Set and use alarms

---

Learn to set and control alarms for important events.

### Set a new alarm

1. In Menu mode, select **Alarms**.
2. Scroll to an empty alarm location and press the Confirm key.
3. Set alarm details.  
You can set either the FM radio or a sound for the alarm tone.
4. Press <Save>.  
 The auto power-up feature sets the phone to automatically turn on and sound the alarm at the designated time if the phone is turned off.

## Stop an alarm

When the alarm sounds,

- Press <**Exit**> or any key to stop an alarm without snooze.
- Press <**Confirm**> or the Confirm key to stop an alarm with snooze, or press <**Snooze**> or any key to silence the alarm for the snooze period.

## Deactivate an alarm

1. In Menu mode, select **Alarms**.
2. Scroll to the alarm you want to deactivate and press the Confirm key.
3. Scroll down (if necessary).
4. Scroll left or right to **Off**.
5. Press <**Save**>.

## Use the calculator

---

1. In Menu mode, select **Organiser** → **Calculator**.
2. Use the keys that correspond to the calculator display to perform basic mathematical operations.

## Convert currencies or measurements

---

1. In Menu mode, select **Organiser** → **Converter** → a conversion type.
2. Enter the currencies or measurements and units in the appropriate fields.

## Set a countdown timer

---

1. In Menu mode, select **Applications** → **Timer**.
2. Press <**Set**>.
3. Enter the length of time to count down and press <**OK**>.
4. Press the Confirm key to begin or pause the countdown.
5. When the timer expires, press <**Exit**> to stop the alert.

## Use the stopwatch

---

1. In Menu mode, select **Applications** → **Stopwatch**.
2. Press the Confirm key to begin and record lap times.
3. Press <**Reset**> to clear recorded times.

## Create a new task

---

1. In Menu mode, select **Organiser** → **Task**.
2. Press <**Options**> → **Create**.
3. Enter the details of the task.
4. Press the Confirm key.

## Create a text memo

---

1. In Menu mode, select **Organiser** → **Memo**.
2. Press <**Options**> → **Create**.
3. Enter your memo text.
4. Press the Confirm key.

## Manage your calendar

---

Learn to change the calendar view and create events.

### Change the calendar view

1. In Menu mode, select **Organiser** → **Calendar**.
2. Press <Options> → **View by** → **Day** or **Week**.

### Create an event

1. In Menu mode, select **Organiser** → **Calendar**.
2. Press <Options> → **Create** → an event type.
3. Enter the details of the event as required.
4. Press the Confirm key.



# troubleshooting

If you are having trouble with your mobile phone, try these troubleshooting procedures before contacting a service professional.

**While using your phone, the following messages may appear:**

Message	Try this to solve the problem:
Insert SIM	Ensure that the SIM card is installed correctly.
Phone lock	When the phone lock feature is enabled, you must enter the password you set for the phone.

Message	Try this to solve the problem:
PIN lock	When using the phone for the first time or when the PIN requirement is enabled, you must enter the PIN supplied with the SIM card. You can disable this feature by using the <b>PIN lock</b> menu.
PUK lock	Your SIM card is blocked, usually as a result of entering your PIN incorrectly several times. You must enter the PUK supplied by your service provider.

### **Your phone displays “Service unavailable” or “Not done.”**

- 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.

### **You enter a number, but the call is not dialed.**

- Ensure that you have pressed the Dial key: [📞].
- Ensure that you have accessed the right cellular network.
- Ensure that you have not set call barring for the phone number.

### **Another caller cannot reach you.**

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

### **Another caller cannot hear you speaking.**

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

### **The phone beeps and the battery icon flashes.**

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

### **The audio quality of the call is poor.**

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

### **You select a contact to call, but the call is not dialled.**

- Ensure that the correct number is stored in the contact list.
- Re-enter and save the number, if necessary.

### **The battery does not charge properly or sometimes the phone turns itself off.**

- The battery terminals may be dirty. Wipe both gold-coloured contacts with a clean, soft cloth and try charging the battery again.

- If the battery will no longer charge completely, dispose of the old battery properly and replace it with a new battery.

### **Your phone is hot to the touch.**

When you use several applications at once, your phone requires more power and may heat up.

This is normal and should not affect your phone's lifespan or performance.



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## Declaration of Conformity (R&TTE)

We, **Samsung Electronics**

declare under our sole responsibility that the product

**GSM Mobile Phone : GT-S5200**

to which this declaration relates, is in conformity with the following standards and/or other normative documents.

SAFETY	EN
EMC	EN
	EN
	EN
SAR	EN
	EN
RADIO	EN
	EN

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, Balfour House, Churchfield Road,  
Walton-on-Thames, Surrey, KT12 2TD, UK\*  
Identification mark: 0168

The technical documentation kept at :

**Samsung Electronics QA Lab.**

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which will be made available upon request.  
(Representative in the EU)

Samsung Electronics Euro QA Lab.  
Blackbushe Business Park, Saxony Way,  
Yateley, Hampshire, GU46 6GG, UK\*  
2009.XX.XX

**Yong-Sang Park / S. Manager**

(place and date of issue)

(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 phone.