

- * Depending on the software installed or your service provider or country, some of the descriptions in this guide may not match your phone exactly.
- * Depending on your country, your phone and accessories may appear different from the illustrations in this guide.

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SCH-F679 User's Guide





Important safety precautions



Failure to comply with the following precautions may be dangerous or illegal.

Copyright information

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Bluetooth QD ID: B012652

Drive safely at all times

Do not use a hand-held phone while driving. Park your vehicle first.

Switch off the phone when refuelling

Do not use the phone at a refuelling point (service station) or near fuels or chemicals.

Switch off in an aircraft

Wireless phones can cause interference. Using them in an aircraft is both illegal and dangerous.

Switch off the phone near all medical equipment

Hospitals or health care facilities may be using equipment that could be sensitive to external radio frequency energy. Follow any regulations or rules in force.

Interference

All wireless phones may be subject to interference, which could affect their performance.

Be aware of special regulations

Meet any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger.

Water resistance

Your phone is not water-resistant. Keep it dry.

Sensible use

Use only in the normal position (held to the ear). Avoid unnecessary contact with the antenna when the phone is switched on.

Emergency calls

Key in the emergency number for your present location, then press .

Keep your phone away from small children

Keep the phone and all its parts, including accessories, out of the reach of small children.

Accessories and batteries

Use only Samsung-approved batteries and accessories, such as headsets and PC data cables. Use of any unauthorised accessories could damage you and your phone and may be dangerous.

- The phone could explode if the battery is replaced with an incorrect type.
- Dispose of used batteries according to the manufacturer's instructions.



At very high volumes, prolonged listening to a headset can damage your hearing.

Qualified service

Only qualified service personnel may repair your phone.

For more detailed safety information, see "Health and safety information" on page 35.

About this Guide

This User's Guide provides you with condensed information about how to use your phone.

In this guide, the following instruction icons appear:

-  Indicates that you need to pay careful attention to the subsequent information regarding safety or phone features.
-  Indicates that you need to press the Navigation keys to scroll to the specified option and then select it.
-  Indicates a key on the phone. For example, []
-  Indicates a soft key, whose function is displayed on the phone screen. For example, <**Menu**>



- **Camera and camcorder**

Use the camera module on your phone to take a photo or record a video.

Special features of your phone



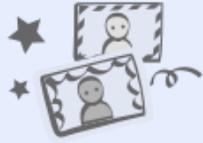
- **MP3 player**

Play music files using your phone as an MP3 player.



- **FM radio**

Listen to your favourite radio stations anytime, anywhere.



- **Photo studio**

Add a frame or apply special effects to decorate your photos.



- **Flight mode**

Switch your phone to Flight mode to use its non-wireless functions while on an aeroplane.



- **Bluetooth**

Connect to a headset or hands-free car kit using wireless Bluetooth technology.



- **SOS message**

Send SOS messages to your family or friends for help in an emergency.



- **Memory disk**

Access an external memory card to copy files directly by connecting the phone to a PC.



- **Cricket scorer**

Keep track of the cricket score.



- **Mobile prayer**

Alert you of time to pray.

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Overview of menu functions

To access Menu mode, press <**Menu**> in Idle mode.

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Unpack

Make sure you have each item

- Phone
- Travel adapter
- Battery
- User's Guide

You can obtain various accessories from your local Samsung dealer.

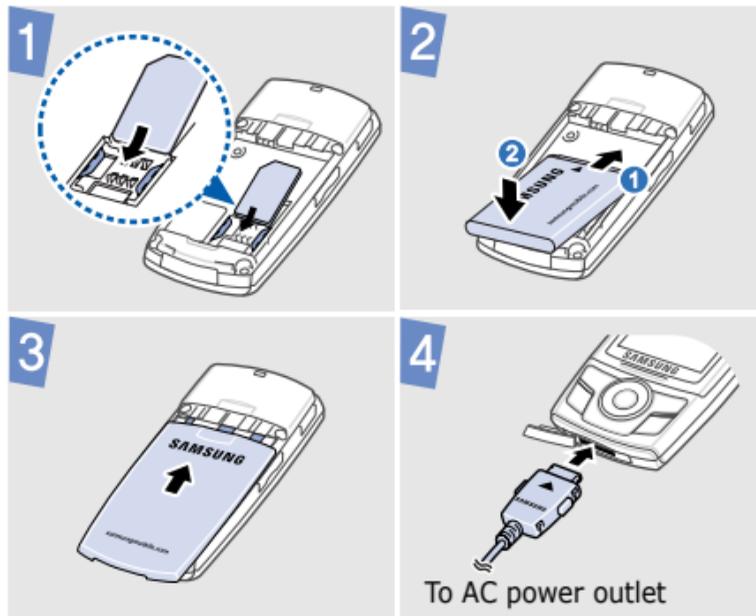


The items supplied with your phone and the accessories available at your Samsung dealer may vary, depending on your country or service provider.

Get started

First steps to operating your phone

Assemble and charge the phone



Removing the battery cover



Power on or off

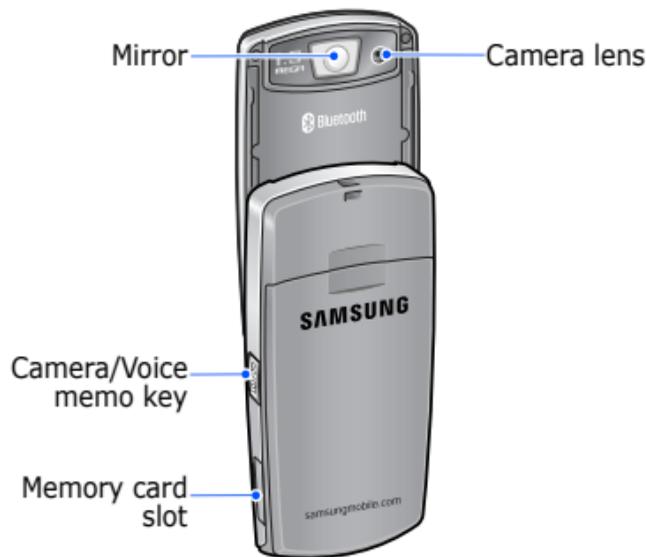
Switch on	<ol style="list-style-type: none">1. Open the phone.2. Press and hold [].3. If necessary, enter the PIN and press [OK].
Switch off	<ol style="list-style-type: none">1. Open the phone.2. Press and hold [].

Phone layout

Front view



Rear view



When you close the phone, the keypad lock feature locks the exposed keys to avoid accidental key presses. To unlock the keypad, press and hold any key and then press [OK].

Keys and icons

Keys



Perform the function indicated on the bottom line of the display.



In Idle mode, access your favourite menus directly.
In Menu mode, scroll through menu options.



In Idle mode, enter the **TATA Zone** menu.
In Menu mode, select the highlighted menu option or confirm input.



Make or answer a call.
In Idle mode, retrieve the numbers recently dialed, missed, or received.



Delete characters from the display.
In Menu mode, return to the previous menu level.



Press and hold to switch the phone on or off.
End a call.

In Menu mode, cancel input and return the phone to Idle mode.



Enter numbers, letters, and some special characters.



In Idle mode, press and hold [0] to enter an international call prefix.



Enter special characters or perform special functions.



In Idle mode, press and hold [#] to activate or deactivate the Silent mode.



Adjust the phone volume.



In Idle mode, enter the **Camera** menu. Press and hold to turn on the camera.

In Camera mode, take a photo or record a video.

During a call, press and hold to record your conversation.

Icons

The following icons may appear on the top line of the screen to indicate your phone's status.



Signal strength



Roaming network



Call in progress



Out of your service area or Flight mode



Transferring data in 1X network



SOS message feature active



Call restriction on



Lock mode



Bluetooth active



Bluetooth device connected

- : Headset
- : Hands-free car kit
- : Phone
- : PC
- : PDA
- : Other device



New message

- : Text message
- : Multimedia message
- : Urgent text message
- : Urgent multimedia message
- : Voicemail
- : Web alert



Alarm set

	Ringer type <ul style="list-style-type: none"> •  : Ringer only •  : Vibration •  : Silent •  : Vibration and ringer •  : Vibration then ringer •  : Increasing
	Silent mode
	SSR (Simple Smart Ringtone) mode
	Answering machine feature active
	Memory card inserted
	Battery power level
	Current time

Access menu functions

Select an option

1. Press a desired soft key.
2. Press the Navigation keys to move to the next or previous option.
3. Press [**OK**] to confirm the function displayed or option highlighted.
4. Press [**C**] to move up one level.
Press [] to return to Idle mode.

Use menu numbers

Press the number key corresponding to the option you want.

Enter text

Change the text input mode	<ol style="list-style-type: none">1. In the text entry screen, press <Mode>.2. Select the mode you want.
T9 English or T9 Hindi mode	<p>To enter a word:</p> <ol style="list-style-type: none">1. Press [2] to [9] to start entering a word.2. Enter the whole word before editing or deleting characters.3. When the word displays correctly, press [#] to insert a space. Otherwise, press [0] to display alternative word choices.

ABC mode or Hindi mode	<p>To enter a word:</p> <p>Press the appropriate key until the character you want appears on the display.</p>
Hinglish mode	<p>Enter a Hinglish word, which is made by combining of Hindi and English according to Hindi grammar.</p>
Number mode	<p>Press the keys corresponding to the digits you want.</p>
Symbol mode	<p>Press the corresponding number key to select a symbol.</p>

Other operations

- Press and hold [**1**] to enter punctuation marks or special characters in ABC mode and T9 English mode.
- Press [*****] to change case in ABC and T9 English modes.
- Press the Navigation keys to move the cursor.
- Press [**C**] to delete characters one by one.
- Press and hold [**C**] to clear the characters on the left side of the cursor.

Customise your phone

Display language

1. In Idle mode, press <**Menu**> and select **Settings** → **Language setup**.
2. Select a language.

Call ringer melody

1. In Idle mode, press <**Menu**> and select **Sounds** → **Ringtone**.
2. Select a ringtone category.
3. Select a ringtone.

Key tone volume

In Idle mode, press [**▲/▼**] to adjust the key tone volume.

Idle mode wallpaper

1. In Idle mode, press **<Menu>** and select **Display** → **Wallpaper** → **Stand-by** → **Background image**.
2. Select an image or video category.
3. Select an image or video.

Silent mode

You can switch the phone to Silent mode to avoid disturbing other people. In Idle mode, press and hold [**#**].

SSR mode

You can use SSR (Simple Smart Ringtone) mode. The phone will alert you to incoming calls in noisy places by simultaneously vibrating and ringing at the highest volume. In Idle mode, press and hold [**Up**].

Phone lock

1. In Idle mode, press <Menu> and select **Settings** → **Password/Lock settings**.
2. Enter the default password, **0000**, and press [OK].
3. Select **Change password**.
4. Enter a new 4-digit password and press [OK].
5. Enter the new password again and press [OK].
6. Select **Select lock method**.
7. Select **On** or **Once**.

Step outside the phone

Begin with call functions, camera, music player, web browser, and other special features

Make or answer calls

Make a call

1. In Idle mode, enter an area code and phone number.
2. Press [↵].
Press [▲/▼] to adjust the volume.
3. Press [☎] to end the call.

Answer a call

1. When the phone rings, press [↵].
2. Press [☎] to end the call.

Make a three-way call

1. During a call, press [>] and make another call. The first call is put on hold.
2. Press [>] to begin the three-way call.

Record a conversation

1. During a call, press and hold [/📞].
2. Press [**OK**] to stop recording.
3. Press [>] to end the call.

Use the camera

Take a photo

1. In Idle mode, press and hold [/📞] to turn on the camera.
2. Aim the lens at the subject and make any desired adjustments.
3. Press [**OK**] or [/📞] to take a photo.
4. Press <**Save**>.

View a photo

1. In Idle mode, press [/📞] and select **My album** → **gallery**.
2. Scroll to the photo you want and press <**Expand**>.

Record a video

1. In Idle mode, press and hold [📷/📹] to turn on the camera.
2. Press [1] and select **Video cam**.
3. Press <📹> or [📷/📹] to start recording.
4. Press <📷> or [📷/📹] to stop recording.
5. Press <Save>.

View a video

1. In Idle mode, press [📷/📹] and select **My album** → **gallery**.
2. Scroll to the video you want and press <Expand>.
3. Press <Play>.

Play music

Prepare music files

Use these methods:

- Receive via Bluetooth.
- Copy to a memory card. See the next section.

Copy music files to a memory card

1. Insert a memory card into the phone.
2. Connect your phone and PC with an optional PC data cable.
3. In Idle mode, press <Menu> and select **Multimedia** → **Connect to PC**.
4. Enter the password and press [OK].

5. Select **Open folder to view files** when a pop-up window appears on your PC.
6. Copy files from the PC to the memory card.
7. When you have finished, press [OK] and then [OK] to disconnect the phone from the PC.

Create a playlist

1. In Idle mode, press <Menu> and select **Multimedia** → **MP3** → **MP3 files**.
2. Select the folder you want.
3. Press <Options> and select **Add to play list**.

4. Press [OK] to select files and press <Add>.
5. Press [OK] to begin playback.

Play music files

1. In Idle mode, press <Menu> and select **Multimedia** → **MP3** → **MP3 player**.
2. Press [OK].
3. During playback, use the following keys:
 - **OK**: pause or resume playback.
 - **Left**: return to the previous file. Press and hold to scan backward in a file.

-
- Right: skip to the next file. Press and hold to scan forward in a file.
 - Up: change the repeat mode.
 - Down: open the playlist.
 - **A-B**: set a section in a file to play the section repeatedly.
 - ▲/▼: adjust the volume.
4. Press [**C**] to close the player.

Listen to the FM radio

Listen to the radio

1. Plug the connector of the supplied headset into the headset jack on the phone.
2. In Idle mode, press <**Menu**> and select **Multimedia** → **FM radio**.
3. Press [**OK**] to start automatic tuning. Available radio stations are automatically saved.
4. Press [Left] or [Right] to find available radio stations. Alternatively, press [Up] or [Down] to select a stored radio station.
5. Press <**OFF**> to turn off the radio.

Store radio stations

1. From the radio screen, press <**Options**> and select **Save channel**.
2. Press [Left] or [Right] to select the station you want.
3. Press [Down] and then <**Edit**>.
4. Enter the title of the station and press [**OK**].
5. Press [**OK**] to save the station.

Browse the web

Launch the web browser

In Idle mode, press <**Menu**> and select **do mOre** → **Mobile browser**. The homepage of your service provider opens.

Navigate the web

- To scroll through browser items, press [Up] or [Down].
- To select an item, press <✓> or [**OK**].
- To return to the previous page, press [**C**].
- To return to the homepage, press and hold [**C**].
- To access browser options, press <**Menu**> and select **Menu**.

Use Contacts

Add a contact

1. In Idle mode, enter a phone number and press [**OK**].
2. Select **New entry**.
3. Press <**Edit**>.
4. Enter a name and press [**OK**].
5. To add a contact to the phone's memory, press [Left] or [Right] and select a number type.
6. Specify contact information.
7. Press [**OK**] to save the contact.

Find a contact

1. In Idle mode, press <**Search**>.
2. Enter the first few letters of the name you want.
3. Select a contact.
4. Scroll to a number and press [] to dial, or press [**OK**] to edit contact information.

Send messages

Send a text message

1. In Idle mode, press <**Menu**> and select **Messages** → **Text message** → **New message**.
2. Enter the message text and press [**OK**].

-
3. Press [**OK**] again.
 4. Enter a destination number and press [**OK**].
 5. Press [**OK**] to send the message.

Send a multimedia message

-
1. In Idle mode, press <**Menu**> and select **Messages** → **Multimedia message** → **New message**.
 2. Press <**Edit**>.
 3. Enter the message subject and press [**OK**].
 4. Move to the text field in the slide.

-
5. Enter the message text and press [**OK**].
 6. Move to **Picture/Video**.
 7. Press <**Options**> and add an image or video.
 8. Move to **Sound**.
 9. Press <**Options**> and add a sound.
 10. Press [**OK**].
 11. Enter a destination number or email address and press [**OK**].
 12. Press [**OK**] to send the message.

View messages

View a text message

1. In Idle mode, press **<Menu>** and select **Messages** → **Text message** → **Inbox**.
2. Select a message.

View a multimedia message

1. In Idle mode, press **<Menu>** and select **Messages** → **Multimedia message** → **Inbox**.
2. Select a message.

Use Bluetooth

Your phone is equipped with Bluetooth technology, enabling you to connect the phone wirelessly to other Bluetooth devices and talk hands-free.

Turn on Bluetooth

In Idle mode, press **<Menu>** and select **Multimedia** → **Bluetooth** → **Bluetooth on/off** → **On**.

Search for and pair with a Bluetooth device

1. In Idle mode, press **<Menu>** and select **Multimedia** → **Bluetooth** → **Search new devices**.
2. Select the device type.
3. Scroll to a device and press **<Connect>**.

-
4. Enter a Bluetooth PIN or the other device's Bluetooth PIN, if it has one, and press [**OK**].

Send data

1. In Idle mode, press <**Menu**> and select **Multimedia** → **Bluetooth** → **Data transfer** → an item category.
2. Select the items you want and press <**Send**>.
3. Scroll to a device and press <**Connect**>.
4. If necessary, enter the Bluetooth PIN and press [**OK**].

Receive data

1. When a device attempts to access your phone, enter the Bluetooth PIN and press [**OK**] to permit the connection.
2. If necessary, press <**Yes**> to confirm that you are willing to receive.

Menu functions

All menu options listed

This section provides brief explanations of menu functions on your phone.

do mOre

Menu	Description
TATA Zone	Download and use various Brew applications.
Mobile browser	Connect your phone to the network and load the homepage of the wireless web service provider.
VOD files	Download video or audio clips from the wireless web and play them.

Menu	Description
SMS Services	Use a variety of additional services offered by your service provider. This menu is available only when you use a UTK UIM card that provides additional services.

Display

Menu	Description
Wallpaper	Set up the idle screen and select an image to be displayed for incoming or outgoing calls, and when the phone is switched on or off.

Menu functions

Menu	Description
Main menu style	Select the menu display style.
Font color	Select a font colour for Menu mode.
Dial number style	Customise the settings for the display while dialling.
Backlight → Screen backlighting duration	Select the length of time the backlight stays on when the phone is not used.
Backlight → Screen brightness	Adjust the brightness of the display for varying lighting conditions.

Menu	Description
Backlight → Power saving mode	Set how the phone controls the use of the keypad light. Save mode turns off the keypad backlight during the daytime, from 8 to 17.

Sounds

Menu	Description
Ringtone	Select a ringtone and ringer type for incoming calls.
Alert tones	Set up audible alerts at a specified time to inform you that certain things have happened.

Menu	Description
Key tones/ others	Select the tone that the phone sounds when you press a key or set additional alert tones.
Volume	Adjust the volume for the various sounds on the phone.
Hourly chime	Set the phone to sound an alert every hour on the hour.
Cricket alert	Set the phone to alert you of the state of the current cricket game.

Menu	Description
Tone length	Set short or long DTMF (Dual-tone multi-frequency) tones to be sent to access teleservices, such as a bank accounts.

Messages

Menu	Description
Text message, Multimedia message → New message	Create and send text or multimedia messages.

Menu functions

Menu	Description
Text message, Multimedia message → Inbox, Outbox, Draft messages, Draft	Access messages that you have received, sent, saved to send at a later time, or that have failed during sending.
Text message, Multimedia message → Send settings, Settings	Set up various options for using the messaging services.
Text message → SMS groups	Create groups to which you most frequently send text messages.

Menu	Description
SPAM settings	Block unwanted messages by setting up the SPAM message filters.
SOS message	Specify options for sending and receiving an SOS message. You can send an SOS message by pressing [▲/▼] 4 times when the phone is closed and the exposed keys are locked.
Memory status	Check information about the memory currently in use.

Multimedia

Menu	Description
Camera → Capture	Take photos or record videos.
Camera → My album	Access the list of photos and videos in the phone's memory.
Camera → External album	Access the list of photos and videos on a memory card.
Camera → Photo studio	Edit photos by applying special effects and adding decorative frames.
Camera → Photo print	Print a photo by connecting the phone to a printer via Bluetooth.

Menu	Description
MP3	Listen to music. You can also make your own music playlist.
FM radio	Listen to music or news via the FM radio on your phone.
Bluetooth	Connect the phone wirelessly to other Bluetooth devices.
Game	Play various games.
Cricket scorer	Set the phone to let you know the cricket score. To use this service, you need to register your number first. You may be additionally charged for using the service.

Menu functions

Menu	Description
Voice functions	Use the answering machine feature or record voice memos.
Connect to PC	Access a memory card from your PC. This menu is only available when you insert a memory card into the phone.

Contacts

Menu	Description
Search	Search for contact information stored in Contacts.

Menu	Description
Add	Add a new contact to Contacts.
Groups	Set up a caller group list for organising contacts.
Speed dial	Assign a speed dial number for your most frequently dialled numbers.
Business card	Create a name card and send it to other people.
Call log	Check the time record for calls made and received.
My number	Check your phone number, or edit your number.

Utilities

Menu	Description
Wake-up call/ Alarms	Set a wake-up call to wake you up in the morning or an alarm to alert you to an event at a specific time.
Calendar → Calendar	Keep track of your schedule.
Calendar → Panchang	View the Panchang, ancient Vedic astrology, for a specific date.
Mobile prayer	Set the phone to alert you of time for prayer.
Memo	Make memos for things that are important and manage them.

Menu	Description
Calculator	Perform arithmetic functions.
Unit converter	Do conversions, such as length and temperature.
World clock	Find out the current time in another part of the world.
Stopwatch	Measure elapsed time.

Contents box

Menu	Description
Melodies	Access melodies and MP3 files you have downloaded from the wireless web.

Menu	Description
Images	Access images you have downloaded from the wireless web.
Photo album	Access photos you have taken and video clips you have recorded.
VOD files	Access video or audio files you have downloaded.
Memory info	Check information about the memory currently in use. You can also clear the memory.

Settings

Menu	Description
Call settings → Receive/End settings	Select how to answer an incoming call, or how to end a call.
Call settings → Call reject	Make a list of phone numbers from which you do not want to accept calls.
Call settings → International call prefix	Set international call service numbers.
Call settings → Flight mode	Switch to Flight mode and change the time setting.
Call settings → Call forwarding	Set the phone to reroute incoming calls to a phone number that you specify.

Menu	Description
Call settings → Call waiting	Set the phone to inform you when someone is calling you while on another call.
Call settings → Area code	Find and retrieve area and country codes to quickly and easily dial phone numbers.
Application Settings → Camera settings	Change the default settings for the options when you use the camera.
Application Settings → Message settings	Customise the settings of various options for receiving or sending messages.

Menu	Description
Application Settings → Bluetooth Settings	Change the default settings for the options when using the Bluetooth feature.
Shortcut settings → Shortcuts	Use the Navigation keys as shortcuts to access specific menus directly from Idle mode.
Shortcut settings → My menu	Set up a menu of your own using your favorite menu items.
Password/Lock Settings → Change password	Change the phone password.

Menu	Description
Password/Lock Settings → Select lock method	Activate your phone password to protect your phone against unauthorised use.
Password/Lock Settings → Call Lock	Restrict all outgoing and incoming calls.
Password/Lock Settings → Outgoing international restriction	Restrict outgoing international calls.
Password/Lock Settings → Emergency number	Store emergency numbers or edit them. You can dial these numbers, even if your phone is locked or all outgoing calls are restricted.

Menu	Description
Password/Lock Settings → Voice privacy	Use an encrypted high security line so that people cannot eavesdrop on your conversation, or use a standard line.
Password/Lock Settings → Card settings	Access the security options for the UIM card.
Password/Lock Settings → Mobile tracker	Set the phone to send the preset tracking message to your family or friends when someone tries to use your phone with another UIM card. This feature may be unavailable due to certain features supported by your service provider.

Menu	Description
Input method	Select a default text input mode.
Language setup	Select a language for the display text.
Domains preset	Change default domain name extensions and add new domain name extensions, if necessary.
Reset	Reset the phone's settings you have changed.
Version	Access your phone's information.

Health and safety information

Exposure to radio frequency (RF) signals

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on the safety standards that were developed by independent scientific organizations through periodic and through evaluation of scientific studies.

The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless phones employs a unit of measurement known as Specific Absorption Rate (SAR). The SAR limit set by the FCC is 1.6W/kg¹.

SAR tests are conducted using standard operating positions specified 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 of the phone.

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 limit established by the government-adopted requirement for safe exposure.

The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model.

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1. In the U.S. and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on FCC ID printed in the label on the phone.

For body operation

For body worn operation, this model phone has been tested and meets the FCC RF exposure guidelines when used with a Samsung-supplied or approved accessory designated for this product or when used with an accessory that contains no metal and that positions the handset a minimum from the body.

The minimum distance from the body for this model phone is written in the FCC certification information.

Non compliance with the above conditions may violate FCC RF exposure guidelines.

For more information concerning exposure to radio frequency signals, see the following websites:

Federal Communications Commission (FCC)

<http://www.fcc.gov/oet/rfsafety>

Cellular Telecommunications Industry Association

(CTIA): <http://www.wow-com.com>

U.S. Food and Drug Administration (FDA)

<http://www.fda.gov/cdrh/consumer>

World Health Organization (WHO)

<http://www.who.int/peh-emf/en>

Precautions when using batteries

- Never use any charger or battery that is damaged in any way.
- Use the battery only for its intended purpose.
- If you use the phone near the network's base station, it uses less power; talk and standby time are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Battery charging time depends on the remaining battery charge, the type of battery, and the charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- If left unused, a fully charged battery will discharge itself over time.
- Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- Extreme temperature will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and lifetime of the battery. Always try to keep the battery at room temperature.

A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0 °C (32 °F).

- Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and – terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.
- Dispose of used batteries in accordance with local regulations. Always recycle. Do not dispose of batteries in a fire.

Road safety

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 driving a car, driving is your first responsibility. When using your wireless phone behind the wheel of a car, make sure that you are following the special regulations in a given area or country.

Operating environment

Remember to follow any special regulations in force in any area and always switch your phone off whenever it is forbidden to use it, or when it may cause interference or danger.

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

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.

Persons with pacemakers:

- Should always keep the phone more than 15 cm (6 inches) from their pacemaker when the phone is switched on
- Should not carry the phone in a breast pocket
- Should use the ear opposite the pacemaker to minimize potential interference

If you have any reason to suspect that interference is taking place, switch your phone off 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 your phone off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

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

Potentially explosive atmospheres

Switch your phone off 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

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 (medical emergencies, for example).

Remember, to make or receive any 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. If the phone is not on, switch it on.
2. Key in the emergency number for your present location (for example, 100 or any other official emergency number). Emergency numbers vary by location.
3. Press [].

If certain features are in use (call barring, for example), you may first need to deactivate those features before you can make an emergency call. Consult this document and your local cellular service provider.

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your phone may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

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 both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.

Switch your phone off before boarding an aircraft. The use of wireless phones in aircraft may be dangerous to the operation of the aircraft, and is illegal.

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

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 will corrode electronic circuits.
- Do not touch the phone with a wet hand while it is charging. 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 temperature 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, a stove or a 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. Unauthorized 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.

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U.S Patent No. 4,901,307 5,056,109 5,099,204
5,101,501 5,103,459 5,107,225
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