* 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.

SAMSUNG ELECTRONICS

World Wide Web

http://www.samsungmobile.com

Printed in Korea

Code No.:GH68-xxxxxA

English (EU). 05/2006. Rev. 1.0

Draft
2006. 05. 17

SGH-P200
User’s Guide

Important safety precautions

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

Drive safely at all times

Do not use a hand-held phone while driving. Park the 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 or 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 97.

About this Guide

This User's Guide provides you with condensed information about how to use your phone. To quickly learn the basics for your phone, please refer to "Get started" and "Step outside the 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 can get more information on the referenced page.
→	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**>

- **Wi-Fi (Wireless fidelity)**
  In available Wi-Fi zones, use high speed Internet, Messaging, Call, and other network services.

Special features of your phone

- **Camera and camcorder**
  Use the camera module on your phone to take a photo or record a video.

- **Music player**
  Play music files using your phone as a music player.

- **Photo printing**
  Print your photos to preserve your best moments forever.

- **Offline mode**
  Switch your phone to use its none-wireless functions in an airplane.

- **Web browser**
  Access the wireless web to get up-to-the-minute information and a wide variety of media content.

- **Name card**
  Create name cards with your number and profile. Whenever introducing yourself to others, use this convenient electronic name card.

- **Get personal with photo caller ID**
  See who's calling you when their very own photo displays.

- **Multimedia Message Service (MMS)**
  Send and receive MMS messages with a combination of text, image, video, and audio.

- **E-mail**
  Send and receive e-mails with image, video, and audio attachments.

- **Java**
  Enjoy Java™-based embedded games and download new games.

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Overview of menu functions

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* Shows only if supported by your SIM card.

** Shows only if supported by your service provider.

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.

Your phone

Keys, features, and locations

Get started

First steps to operating your phone

SIM card information

When you subscribe to a cellular network, you receive a plug-in SIM (Subscriber Identity Module) card loaded with your subscription details, such as your PIN, and available optional services.

Install and charge the phone

1. Remove the battery.
   ☑ If the phone is already on, first turn it off by pressing and holding [ ].
2. Insert the SIM card.
   ☑ Make sure that the gold-coloured contacts on the card are face down.
3. Install the battery.
4. Plug the travel adapter into the phone.
5. Plug the adapter into a standard AC wall outlet.
6. When the phone is completely charged (the battery icon becomes still), unplug the adapter from the wall outlet.
7. Remove the adapter from the phone.

Low battery indicator

When the battery is low:

- a warning tone sounds,
- the low battery message displays, and
- the empty battery icon blinks.

If the battery level becomes too low, the phone automatically turns off. Recharge your battery.

Power on or off

Switch on Do not turn on the phone when mobile phone use is prohibited.	1. Open the phone. 2. Press and hold [ ]. 3. If necessary, enter the PIN and press <**OK**>.
Switch off	1. Open the phone. 2. Press and hold [ ].

Keypad lock

When you close the phone, the keypad lock feature locks the exposed keys so that nothing will happen if the keys are accidentally pressed.

To unlock the keypad, press <**Unlock**> and press <**OK**>.

Offline mode

You can switch the phone to Offline mode, in which the phone functions requiring network connection are deactivated. This mode is helpful when you want to use your phone in a place where you are not allowed to use mobile devices, such as in an airplane and at a hospital.

To switch to Offline mode, press <**Menu**> and select **Settings** → **Phone settings** → **Offline mode** → **On**.

In Offline mode, you can use non-wireless functions, such as games, calendar, camera, and music player.

Keys and display

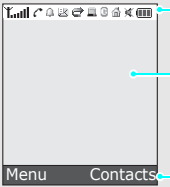
Keys

Soft keys	Perform the function indicated on the bottom line of the display.
Navigation keys	In Idle mode, press and hold to access your favourite menus directly. ▶ p. 40 In Menu mode, scroll through menu options.
Web key	In Menu mode, select the highlighted menu option or confirm input.
Send key	Make or answer a call. In Idle mode, retrieve numbers recently dialled, missed, or received.
C(Clear) key	Delete characters from the display, or items in an application.
End key	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.
Numeric keys	Enter numbers, letters, and some special characters. In Idle mode, press and hold [**1**] to access your voicemail server. Press and hold [**0**] to enter an international call prefix.
Special key	Enter special characters. In Idle mode, press and hold [#] to activate or deactivate Silent mode. Press and hold [*] to enter a pause between numbers.

Volume key	Adjust the phone volume. In Idle mode, with the phone open, adjust the key tone volume. With the phone closed, press and hold to turn on the display.
Camera key	In Idle mode, press and hold to turn on the camera. In Camera mode, take a photo or record a video.

Display

Layout



Icons
display various icons.

Text and graphics
display messages, instructions, and information you enter.

Soft key function indicators
show the current functions assigned to the soft keys.

Icons*		Received signal strength
		Call in progress
		Out of your service area; you cannot make or receive calls
		Alarm set ▸ p. 88
		New text message
		New multimedia message
		New e-mail
		New voicemail
		Call diverting feature active ▸ p. 45
		Connected with a computer via a USB port
		GPRS network
		EDGE network
		Home Zone, if registered for the appropriate service
		Office Zone, if registered for the appropriate service
		Roaming network
		Silent mode (Vibration)
		Silent mode (Mute)
		Mute mode, during a call
		Ringer type ▸ p. 43 • None: Melody • : Vibration • : Melody and vibration • : Vibration then melody • : Melody then vibration
		Battery power level

* Depending on your country or service provider, the icons shown on the display may vary.

Access menu functions

Use the soft keys

The roles of the soft keys vary depending on the function you are using. The bottom line of the display indicates their current role.

Press the left soft key to select the highlighted option.

Press the right soft key to return to the previous menu level.

Select an option

1. Press a desired soft key.
2. Press the Navigation keys to move to the next or previous option.
3. Press <**Select**> or [*i*] to confirm the function displayed or option highlighted.
4. To exit, choose either of the following methods.
   - Press <**Back**> to move up one level.
   - Press [ ] to return to Idle mode.

Use shortcuts

Press the number key corresponding to the option you want. For the index numbers 10, 11 and 12, press [**0**], [*], and [#], respectively.

Use Shortcut icons

In Idle mode, there are icons on the left side of the display, which give you easy access to popular menus.

Navigate around the idle screen

- To move among the Shortcut icons, press [Up] or [Down].
- To open a menu window, press [*i*] or [Right].
- To highlight a menu or access a highlighted menu, press [*i*].
- To return to the previous menu level, press [Left].
- To close a menu window, press [ ].

Shortcut icons

- : access the **Call history** menu. ▸ p. 31
- : create new SMS or MMS messages, or view the messages you have received.

  Create new message ▸ p. 56

  Inbox ▸ p. 60

  Email inbox ▸ p. 63
- : access the calendar features. ▸ p. 89
- : access the Orange homepage or other web services.

Customise your phone

Display language

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

Call ringer melody

1. In Idle mode, press <**Menu**> and select **Settings** → **Sound settings** → **Incoming call** → **Ring tone**.
2. Select a ringtone category.
3. Select a ringtone.
4. Press <**Save**>.

Idle mode wallpaper

You can set wallpaper for the idle screen on the display.

1. In Idle mode, press <**Menu**> and select **Settings** → **Display settings** → **Wallpaper** → **Wallpaper**.
2. Select an image category.
3. Select an image.
4. Press <**Save**>.

Menu mode skin colour

You can change the colour for the display components, such as title bars and highlight bars.

1. In Idle mode, press <**Menu**> and select **Settings** → **Display settings** → **Skin**.
2. Select a colour pattern.

Menu shortcuts

You can set the Navigation keys to function as shortcuts to access your favourite menus.

1. In Idle mode, press <**Menu**> and select **Settings** → **Phone settings** → **Shortcuts**.
2. Select a key.
3. Select a menu to be assigned to the key.

Silent mode

You can switch the phone to Silent mode to avoid disturbing other people.

Press and hold [#] in Idle mode.

Phone lock

You can protect the phone against unauthorised use with a phone password. The phone will require the password on power-up.

1. In Idle mode, press <**Menu**> and select **Settings** → **Security** → **Change password**.
2. Enter the default password, **00000000**, and press <**OK**>.
3. Enter a new 4- to 8-digit password and press <**OK**>.
4. Enter the new password again and press <**OK**>.
5. Select **Phone lock**.
6. Select **Enable**.
7. Enter the password and press <**OK**>.

Make/Answer calls

Make a call

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

Answer a call

1. When the phone rings, press [ ].
2. To end the call, press [ ].

Adjust the volume during a call

Press [▲/▼].

Step outside the phone

Begin with your camera, the music player, the web browser, and other special features

Use the camera

Take a photo

1. Open the phone.
2. In Idle mode, press and hold [ ] to turn on the camera.
3. Aim the lens at the subject and make any desired adjustments.
4. Press [*i*] or [ ] to take a photo. The photo is saved automatically.
5. Press <**Back**> to take another photo.

View a photo

1. In Idle mode, press <**Menu**> and select **Media album** → **Images** → **My photos**.
2. Select the photo you want.

Record a video

1. In Idle mode, press and hold [📷] to turn on the camera.
2. Press [**1**] to switch to Record mode.
3. Press [*i*] or [📷] to start recording.
4. Press <■> or [📷] to stop recording. The video is saved automatically.
5. Press <↩> to record another video.

Play a video

1. In Idle mode, press <**Menu**> and select **Media album** → **Videos** → **My video clips**.
2. Select the video you want.

Play music

Copy music files to the phone

Use these methods:

- Download from the wireless web ▶ p. 72
- Download from a computer using the optional Samsung PC Studio ▶ Samsung PC Studio User's Guide

Create a play list

1. In Idle mode, press <**Menu**> and select **Applications** → **Music Player**.
2. Press <**Options**> and select **Add music**.
3. Press [*i*] to select the files you want and press <**Add**>.

Play music files

1. From the music player screen, press [*i*].
2. During playback, use the following keys:
   - *i* : pauses or resumes playback.
   - Left: returns to the previous file.
   - Right: skips to the next file.
   - Up: opens the play list.
   - ▲/▼ : adjusts the volume.
   - Down: stops playback.

Browse the web

Using a built-in web browser, you can easily access the wireless web to get a variety of up-to-date services and information and to download web content.

Launch the web browser

1. In Idle mode, press [Up] or [Down] to scroll to the icon.
2. Select **Orange home**.

Navigate the web

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

Use Address book

Add a contact

To the phone's memory:

1. In Idle mode, enter a phone number and press <**Options**> to select <**Save**>.
2. Select **Phone** → **New** → a number type.
3. Specify contact information: First name, Last name, Mobile, Home, Office, Fax, Other, Email, Graphic ID, Ringtone, Group, and Notes.
4. Press <**Options**> and select **Save** to save the contact.

To the SIM card:

1. In Idle mode, enter a phone number and press <**Options**> to select <**Save**>.
2. Select **SIM**.
3. Enter a name.
4. Press <**Options**> and select <**Save**> to save the contact.

Find a contact

1. In Idle mode, press <**Contacts**>.
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 [*i*] to edit contact information.

Create and send a name card

1. In Idle mode, press <**Menu**> and select **Address book** → **My namecard**.
2. Specify your contact information.
3. Press <**Options**> and select **Save** to save the name card.
4. To send the name card, press <**Options**> and select **Send via** → a sending method.

Send messages

Send a text message (SMS)

1. In Idle mode, press [Up] or [Down] to scroll to the icon.
2. Select **New SMS**.
3. Enter the message text.
4. Press <**Options**> and select **Save and send** or **Send only**.
5. Enter destination numbers.
6. Press [*i*] to send the message.

Send a multimedia message (MMS)

1. In Idle mode, press [Up] or [Down] to scroll to the icon.
2. Select **New MMS**.
3. Select **Subject**.
4. Enter the message subject and press [*i*].

5. Select **Image or video** or **Sound**.
6. For **Image or video**, select **Add image** or **Add video** and add an image or a video clip.

   For **Sound**, select **Add sound** and add a sound clip.
7. Select **Text**.
8. Enter the message text and press [*i*].
9. Press <**Options**> and select **Send**.
10. Enter destination numbers or addresses.
11. Press [*i*] to send the message.

Send an e-mail

1. In Idle mode, press <**Menu**> and select **Messaging** → **Create new message** → **Email**.
2. Select **Subject**.
3. Enter the e-mail subject and press [*i*].
4. Select **Message**.
5. Enter the e-mail text and press [*i*].
6. Select **File attach**.
7. Add image, video, sound, music files, or document files.
8. Press <**Options**> and select **Send**.
9. Enter e-mail addresses.
10. Press [*i*] to send the e-mail.

View messages

View a text message

1. In Idle mode, press [Up] or [Down] to scroll to the icon.
2. Select **Unread Message**.
3. Select an SMS message ( ) from the Inbox.

View a multimedia message

1. In Idle mode, press [Up] or [Down] to scroll to the icon.
2. Select **Unread Message**.
3. Select an MMS message ( ) from the Inbox.

View an e-mail

1. In Idle mode, press [Up] or [Down] to scroll to the icon.
2. Select **Unread Email**.
3. Select **Check new mail** to download new e-mails of headers.
4. Select an e-mail or a header.
5. If you selected a header, press <**Options**> and select **Retrieve** to view the body of the e-mail.

Use Wi-Fi

Your phone is equipped with the Wi-Fi (Wireless Fidelity) technology, enabling you to access your network by connecting to a Wi-Fi access point. You can use the high speed Call, Messaging, Internet, and other network features available in Wi-Fi zones.

Activate the Wi-Fi feature

In Idle mode, press <**Menu**> and select **Settings** → **Wi-Fi** → **Preferences** → **Wi-Fi preferred**.

Search for and connec to an AP

1. In Idle mode, press <**Menu**> and select **Wi-Fi** → **Available Networks**.
2. Selec an AP from the list.
3. If necessarry, enter the password to be required for connecting to the selected AP and press <**Save**>.

Enter text

ABC, T9, Number, and Symbol modes

You can enter text for some features, such as Messaging, Address book, or Planner, using ABC mode, T9 mode, Number mode, and Symbol mode.

Changing the text input mode

- Press and hold [*] to switch between T9 mode (T9 Ab) and ABC mode (Abc).
- Press [*] to change case or switch to Number mode (123).
- Press and hold [#] to switch to Symbol mode (SYM).

Using ABC mode

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

Key	Characters in order displayed	
	Upper case	Lower case
1	. , - ? ! @ : ( ) / 1	
2	A B C Ä Å Æ Ç Γ 2	a b c ä à å æ ç Γ 2
3	D E F É Δ Φ 3	d e f è é Φ 3
4	G H I Θ Ψ 4	g h i ì Ψ 4
5	J K L Λ 5	j k l Λ 5
6	M N O Ñ Ö Ø 6	m n o ñ ö ò ø 6
7	P Q R S Π Σ Ξ 7	p q r s ß Σ Ξ 7
8	T U V Ü 8	t u v ü ù 8
9	W X Y Z Ω 9	w x y z Ω 9
0	+ = < > € £ $ % & ¥ ¤ 0	

(Creating an SMS message with GSM-alphabet encoding)

Other ABC mode operations

- To enter the same letter twice or to enter a different letter on the same key, wait for the cursor to move to the right automatically or press [Right]. Then, enter the next letter.
- Press [#] to insert a space.
- Press the Navigation keys to move the cursor.
- Press [**C**] to delete characters one by one. Press and hold [**C**] to clear the entire display.

Using T9 mode

T9 is a predictive text input mode that allows you to key in any character using single keystrokes.

Entering a word in T9 mode

1. Press [**2**] to [**9**] to start entering a word. Press each key once for each letter.

   For example, press [**4**], [**3**], [**5**], [**5**], and [**6**] to enter *Hello* in T9 mode.

   T9 predicts the word that you are typing, and it may change with each key that you press.
2. Enter the whole word before editing or deleting characters.
3. When the word displays correctly, go to step 4. Otherwise, press [**0**] to display alternative word choices for the keys that you have pressed.

   For example, *Of* and *Me* use [**6**] and [**3**].
4. Press [#] to insert a space and enter the next word.

Other T9 mode operations

- Press [**1**] to enter periods or apostrophes automatically.
- Press [#] to insert a space.
- Press the Navigation keys to move the cursor.
- Press [**C**] to delete characters one by one. Press and hold [**C**] to clear the entire display.

Adding a new word to the T9 dictionary

This feature may not be available for some languages.

1. Enter the word that you want to add.
2. Press [**0**] to display alternative words for your key presses. When there are no more alternative words, **Spell** appears on the bottom line.

3. Press <**Spell**>.
4. Enter the word you want using ABC mode and press <**Add**>.

Using Number mode

Number mode enables you to enter numbers.

Press the keys corresponding to the digits you want.

Using Symbol mode

Symbol mode enables you to insert symbols.

To	Press
display more symbols	[Up] or [Down].
select a symbol	the corresponding number key.
clear the entered symbols	[**C**].
insert the symbols	<**OK**>.

Call functions

Advanced calling features

Making a call

1. In Idle mode, enter the area code and phone number.

   ☑
   - Press [**C**] to clear the last digit or press and hold [**C**] to clear the entire display. You can move the cursor to edit an incorrect digit.
   - Press and hold [*] to enter a pause between numbers.

2. Press [ ].
3. When you want to end the call, press [ ].

Making an international call

1. In Idle mode, press and hold [**0**]. The **+** character appears.
2. Enter the country code, area code, and phone number, then press [ ].

Redialling recent numbers

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

Making a call from Address book

Once you have stored a number in Address book, you can dial the number by selecting it from Address book. ▶ p. 33

You can also use the speed dial feature to assign your most frequently dialled numbers to specific number keys. ▶ p. 36

You can quickly dial a number from the SIM card using its location number assigned when stored.

1. In Idle mode, enter a location number and press [#].
2. Press [Left] or [Right] to scroll through other numbers.
3. Press <**Dial**> or [ ] to dial the number you want.

Answering a call

When you receive a call, the phone rings and displays the incoming call image.

Press <**Accept**> or [ ] to answer the call.

Tips for answering a call

- When **Anykey answer** is active, you can press any key, except for <**Reject**> and [ ]. ▶ p. 42
- Press <**Reject**> or [ ] to reject a call.
- When **Up** in **Slide settings** is set to **Accept call**, you can simply open the phone. ▶ p. 40
- Press and hold [▲/▼] to reject a call or mute the ringer, depending on the **Volume key** setting. ▶ p. 41

Viewing missed calls

If you have missed calls, the icon displays how many calls you have missed.

1. In Idle mode, press [Up] or [Down] to scroll to the icon.

2. Select **Missed calls**.
3. If necessary, scroll through the missed calls.
4. Press [ ] to dial the number you want.

Using the headset

Use the headset to make or answer calls without holding the phone.

Connect the headset to the jack on the right side of the phone. The button on the headset works as follows:

To	Press
redial the last call	the button and then press and hold it again.
answer a call	and hold the button.
end a call	and hold the button.

Options during a call

You can access a number of functions during a call.

Adjusting the volume during a call

Use [▲/▼] to adjust the earpiece volume during a call.

Press [▲] to increase the volume level and [▼] to decrease the volume level.

Placing a call on hold/Retrieving

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

Making a second call

You can make another call if your network supports this function.

1. Press <**Hold**> to put the call on hold.
2. Make the second call in the normal way.
3. Press <**Swap**> to switch between the calls.
4. Press <**Options**> and select **End held call** to end the call on hold.
5. To end the current call, press [ ].

Answering a second call

You can answer an incoming call while already on the phone, if your network supports this function and you have activated the call waiting feature. ▶ p. 46

1. Press [ ] to answer the call. The first call is automatically put on hold.
2. Press <**Swap**> to switch between the calls.
3. Press <**Options**> and select **End held call** to end the call on hold.
4. To end the current call, press [ ].

Using the speakerphone feature

Use the phone as a speakerphone to talk and listen with the phone a short distance away.

Press [*i*] and then <**Yes**> to activate the speakerphone feature. Press [*i*] again to switch back to the earpiece.

Using In-call options

Press <**Options**> to access the following options during a call:

- **Voice clarity off**/**Voice clarity on**: remove extraneous noise and increase call quality so that the person with whom you are speaking can hear you clearly even if you are in a noise place.

  ☑ If you are using the speakerphone feature, you must first deactivate it in order to use the Voice Clarity feature.

- **Mute**/**Unmute**: switch off the phone's microphone so that the other person on the phone cannot hear you, or switch it back on.
- **Mute keys**/**Send keys**: switch the key tones off or on.

  ☑ To communicate with answering machines or computerised telephone systems, **Send keys** must be selected.

- **Phonebook**: access the contact list.
- **Send DTMF**: send the DTMF (Dual tone multi-frequency) tones as a group. The DTMF tones are the tones used in phones for tone dialling, sounding when you press the number keys. This option is helpful for entering a password or an account number when you call an automated system, like a banking service.
- **Message**: create and send an SMS message or access received messages.
- **SIM service**: access special services, such as news, weather forecasts, entertainment, and location services, provided by your SIM card.
- **Transfer**: transfer the currently active call to a caller on hold. The two callers can talk to each other, but you are disconnected from the call.
- **End held call**: disconnect the call currently on hold.
- **Join**: set up a multi-party call by adding a caller on hold to a currently active call. You can include up to 5 people on a multi-party call.
- **Split**: have a private conversation with the selected participant. The other participants can converse with each other. After the private conversation, select **Join** to return both private participants to the multi-party call.
- **Remove**: disconnect the selected participant.

Menu functions

All menu options listed

Call history *(Menu 1)*

Use this menu to view the calls you have dialled, received, or missed, and the length of the calls. You can also check the cost of your calls, if your SIM card supports this function.

To access this menu, press <**Menu**> in Idle mode and select **Call history**.

Recent contacts *(Menu 1.1)*

This menu displays the most recent calls dialled, received, or missed.

Missed calls *(Menu 1.2)*

This menu displays the most recent calls you did not answer.

Dialled calls *(Menu 1.3)*

This menu displays the most recent calls you have dialled.

Received calls *(Menu 1.4)*

This menu displays the most recent calls you have received.

Delete all *(Menu 1.5)*

Use this menu to delete all of the records in each call type.

Call time *(Menu 1.6)*

This menu displays the time log for calls made and received. The actual time invoiced by your service provider will vary.

Call costs *(Menu 1.7)*

This network feature displays the cost of calls. This menu is available only if supported by your SIM card.

Address book *(Menu 2)*

You can store phone numbers on your SIM card and in your phone's memory. The SIM card and phone's memory are physically separate but they are used as a single entity called Address book.

To access this menu, press <**Menu**> in Idle mode and select **Address book**.

Contact list *(Menu 2.1)*

Use this menu to search for numbers in Address book.

FDN contacts *(Menu 2.2)*

Use this menu to create a list of contacts to be used in FDN (Fixed Dialling Number) mode, in which the phone allows outgoing calls only to the specified phone numbers, if your SIM card supports this feature. You can activate FDN mode in the **FDN mode** menu. ▶ p. 48

Create contact *(Menu 2.3)*

Use this menu to add a new contact to Address book.

Group *(Menu 2.4)*

Use this menu to organise your contacts in caller groups.

Speed dial *(Menu 2.5)*

Use this menu to assign a speed dial number (2 to 9) for 8 of your most frequently dialled numbers.

My namecard *(Menu 2.6)*

Use this menu to create a name card and send it to other people.

Own number *(Menu 2.7)*

Use this feature to check your phone numbers, or to assign a name to each of the numbers. Changes made here do not affect the actual subscriber numbers on your SIM card.

Management *(Menu 2.8)*

Use this menu to manage contacts in Address book.

Service number *(Menu 2.9)*

Use this menu to view the list of Service Dialling Numbers (SDN) assigned by your service provider, including emergency numbers and numbers for directory enquiries. This menu is available if your SIM card supports SDN.

Settings *(Menu 3)*

The **Settings** menu provides you with various setting options to customise the phone to your preferences and needs. You can also reset the settings to their default status.

To access this menu, press <**Menu**> in Idle mode and select **Settings**.

Wi-Fi *(Menu 3.1)*

You can access your service provider's network by connecting to an access point (AP) via Wi-Fi in available Wi-Fi zones.

With the Wi-Fi feature enabled, your phone connects to an unlicensed wireless network within range of a Wi-Fi zone. When you leave the Wi-Fi zone, the phone automatically connects to a cellular network.

Time and date *(Menu 3.2)*

Use this menu to change the time and date displayed on your phone.

Phone settings *(Menu 3.3)*

Many different features of your phone's system can be customised to suit your preferences.

Display settings *(Menu 3.4)*

Use this menu to change settings for the display and backlight.

Sound settings *(Menu 3.5)*

Use this menu to customise various sound settings.

Light settings *(Menu 3.6)*

Use this menu to change settings for the light.

Network services *(Menu 3.7)*

Use this menu to access network services. Please contact your service provider to check their availability and subscribe to them, if you wish.

Security *(Menu 3.8)*

Use this menu to protect the phone against unauthorised use by managing the several access codes of your phone and SIM card.

☑ If you enter an incorrect PIN/PIN2 three times, the SIM card is blocked. To unblock it, you need to enter your PUK/PUK2 (Personal Unblocking Key). The codes are supplied by your service provider.

Memory status *(Menu 3.9)*

Use this menu to check the amount of memory being used for storing data in **Shared memory**, **Messaging**, **Media album, Calendar**, **Address book**, and **JAVA world**.

Reset settings *(Menu 3.10)*

Use this menu to reset the phone's settings you have changed.

VOD Settings *(Menu 3.11)*

Use this menu to select a connection profile to be used for accessing a video streaming server. This menu may not be shown depending on your service provider.

Key management *(Menu 3.12)*

Use this menu to manage the licence keys you have acquired to activate media contents locked by DRM systems.

Camera *(Menu 4)*

You can use the camera module embedded in your phone to take photos and record videos.

To access this menu, press <**Menu**> in Idle mode and select **Camera**, or press [ ].

- Do not take photos of people without their permission.
- Do not take photos in a place where cameras are not allowed.
- Do not take photos in a place where you may interfere with another person's privacy.

Take photo *(Menu 4.1)*

You can take photos in various modes. The camera produces JPEG photos.

When you take a photo in direct sunlight or in bright conditions, shadows may appear on the photo.

Record video *(Menu 4.2)*

You can record a video of what is displayed on the camera screen and save it.

Go to My photos *(Menu 4.3)*

Use this menu to access a list of photos you have taken. ▶ p. 83

Go to My video clips *(Menu 4.4)*

Use this menu to access a list of videos you have recorded. ▶ p. 84

Messaging *(Menu 5)*

Use the **Messaging** menu to send and receive text messages, multimedia messages, and e-mails. You can also access push messages and cell broadcast messages.

To access this menu, press <**Menu**> in Idle mode and select **Messaging**.

Create new message *(Menu 5.1)*

Use this menu to create and send messages.

My messages *(Menu 5.2)*

Use this menu to access messages you have received, sent, or which have failed in sending.

Templates *(Menu 5.3)*

Use this menu to make and use templates of frequently used messages or passages.

Delete list *(Menu 5.4)*

Use this menu to delete messages in each message folder all at once.

Settings *(Menu 5.5)*

Use this menu to set up various options for using the message service.

Broadcast messages *(Menu 5.6)*

The cell broadcast service delivers short messages on various topics such as the weather or traffic.

Memory Status *(Menu 5.7)*

Use this menu to view the number of messages or the amount of memory currently in use of each message type in each folder.

You can also access a message box by selecting it from this menu.

Browser *(Menu 6)*

The Wireless Application Protocol (WAP) browser on your phone allows you to access the wireless web. From the wireless web, you can access up-to-date information and a wide variety of media content, such as games, wallpapers, ringtones, and music files.

To access this menu, press <**Menu**> in Idle mode and select **Browser**.

Home *(Menu 6.1)*

Use this menu to connect your phone to the network and load the homepage of the wireless web service provider.

Bookmarks *(Menu 6.2)*

Use this menu to save URL addresses in order to quickly access web pages.

Enter URL *(Menu 6.3)*

Use this menu to manually enter a URL address and access the associated web page.

Clear cache *(Menu 6.4)*

Use this menu to clear information stored in the cache, which is the temporary memory that stores the web pages you have recently accessed.

Profile settings *(Menu 6.5)*

Use this menu to set up servers for the web browser. Contact your service provider for details about your settings options.

Current profile *(Menu 6.6)*

Use this menu to activate one of the proxy servers you have set up.

Applications *(Menu 7)*

Use this menu to play music files, record voice memos, play Java games, or edit photos.

To access this menu, press <**Menu**> in Idle mode and select **Applications**.

Music Player *(Menu 7.1)*

Use this menu to enjoy music. First, you need to save music files into your phone's memory.

Voice recorder *(Menu 7.2)*

Use this menu to record voice memos. A voice memo can be up to one hour long.

Image editor *(Menu 7.3)*

Use this menu to edit your photos using an assortment of editing tools.

Java world *(Menu 7.4)*

Use this menu to access the embedded Java games and downloaded Java applications.

SIM-AT *(Menu 7.5)*

This menu is available if you use a SIM-AT card that supports SIM Application Toolkit menus and provides additional services, such as news, weather, sports, entertainment, and location services. Available services may vary, depending on your service provider's plans. For details, see your SIM card instructions or contact your service provider.

Media album *(Menu 8)*

The **Media album** menu allows you to access images, videos, music files, and sound clips stored in the phone's memory.

To access this menu, press <**Menu**> in Idle mode and select **Media album**.

Tips for Digital Rights Management

As a result of the Digital Rights Management (DRM) system, some of the media items you download from the Internet or receive by MMS may require a licence key to access them.

You can acquire the key from the website which owns the rights to the content; use the **Activate key** option.

Note the following icons on the list:

- : Forwardable item with a valid key.
- : Forwardable item without a valid key.
- : Unforwardable item with a valid key.
- : Unforwardable item without a valid key.

Your service provider supports only count-based or unlimited-access DRM files.

Images *(Menu 8.1)*

This menu displays photos you have taken and images you have downloaded, or received in messages.

Videos *(Menu 8.2)*

This menu displays video clips you have recorded, downloaded, or received in messages.

☑ Video clips recorded on other devices, such as camcorders, may not play correctly.

Music *(Menu 8.3)*

This menu displays music files you have downloaded.

Sounds *(Menu 8.4)*

This menu displays voice memos you have recorded, and sound clips you have downloaded, received in messages, or imported from your computer.

Other files *(Menu 8.5)*

Use this menu to view, without corruption, various document files and files stored in the phone's memory. Available file formats are Microsoft Word, Adobe PDF, Plain text, and so on.

Memory status *(Menu 8.6)*

Use this menu to view memory information for media items in the phone's memory. You can also access a media box by selecting it from this menu.

Planner *(Menu 9)*

The **Planner** menu enables you to keep track of your schedule. You can also use convenient features, such as an alarm, world time, calculator, converter, timer, and stopwatch.

To access this menu, press <**Menu**> in Idle mode and select **Planner**.

Alarm *(Menu 9.1)*

Use this menu to set alarms. The alert type for a normal alarm corresponds to the call alert type settings. A wake-up alarm is not affected by your sound settings.

Calendar *(Menu 9.2)*

Use this menu to keep track of your monthly schedule.

World time *(Menu 9.3)*

Use this menu to find out the current time in another part of the world.

Calculator *(Menu 9.4)*

Use this menu to perform basic arithmetic functions, such as addition, subtraction, multiplication, and division.

Converter *(Menu 9.5)*

Use this menu for common conversions, such as currency and temperature.

Timer *(Menu 9.6)*

Use this menu to set a period of time for the phone to count down. The phone sounds an alarm when the specified period of time expires.

Stopwatch *(Menu 9.7)*

Use this menu to measure elapsed time. The maximum time is 10 hours.

Solve problems

Help and personal needs

To save the time and expense of an unnecessary service call, perform the simple checks in this section before contacting a service professional.

When you switch on your phone, the following messages may appear:

"Insert SIM"

- Be sure that the SIM card is correctly installed.

"Enter password"

- The automatic locking function has been enabled. You must enter the phone's password before you can use the phone.

"Enter PIN"

- You are using your phone for the first time. You must enter the PIN supplied with the SIM card.
- The PIN check feature is enabled. Every time the phone is switched on, the PIN has to be entered. To disable this feature, use the **PIN check** menu.

"Enter PUK"

- The PIN has been entered incorrectly three times and the SIM card is now blocked. Enter the PUK supplied by your service provider.

"No service," "Network failure," or "Not done" displays

- The network connection has been lost. You may be in a weak signal area. Move and try again.
- You are trying to access an option for which you have no subscription with your service provider. Contact the service provider for further details.

You have entered a number but it was not dialled

- Be sure that you have pressed [ ].
- Be sure that you have accessed the right cellular network.
- Be sure that you have not set an outgoing call barring option.

Your correspondent cannot reach you

- Be sure that your phone is switched on. ([ ] pressed for more than one second.)
- Be sure that you are accessing the correct cellular network.
- Be sure that you have not set an incoming call barring option.

Your correspondent cannot hear you speaking

- Be sure that you have switched on the microphone.
- Be sure that you are holding the phone close enough to your mouth. The microphone is located at the bottom of the phone.

The phone starts beeping and "Battery low" flashes on the display

- Your battery is insufficiently charged. Recharge the battery.

The audio quality of the call is poor

- Check the signal strength indicator on the display ( ). The number of bars indicates the signal strength from strong ( ) to weak ( ).
- Try moving the phone slightly or moving closer to a window if you are in a building.

No number is dialled when you re-call a Address book entry

- Use the **Contact list** menu to ensure the number has been stored correctly.
- Re-store the number, if necessary.

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

- Wipe the charging contacts both on the phone and on the battery with a clean soft cloth.

If the above guidelines do not help you to solve the problem, take note of:

- The model and serial numbers of your phone
- Your warranty details
- A clear description of the problem

Then contact your local dealer or Samsung after-sales service.

Health and safety information

xposure 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 Counsel 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.

When approval test is done, no Samsung supplied accessories are avialable but maybe available later after approval.

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: GSM1900 Head:0.20 W/Kg; GPRS1900 Body:0.70 W/Kg; WLAN Body: 0.11 W/kg

For body worn operation, this model phone has been tested and meets the FCC RF exposure guidelines whenused 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. This site uses the phone FCC ID number, A3LSGHP200. 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.

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 "hand-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

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, practice good common sense and remember the following tips:

1. Get to know your wireless phone and its features, such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.
2. When available, use a hands-free device. If possible, add an additional layer of convenience and safety to your wireless phone with one of the many hands free accessories available today.
3. Position your wireless phone within easy reach. Be able to access your wireless phone without removing your eyes from the road. If you get an incoming call at an inconvenient time, let your voice mail answer it for you.
4. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice and even heavy traffic can be hazardous.
5. Do not take notes or look up phone numbers while driving. Jotting down a “to do” list or flipping through your address book takes attention away from your primary responsibility, driving safely.
6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.

7. Do not engage in stressful or emotional conversations that may be distracting. Make people you are talking with aware you are driving and suspend conversations that have the potential to divert your attention from the road.
8. Use your wireless phone to call for help. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident or medical emergencies. Remember, it is a free call on your wireless phone!
9. Use your wireless phone to help others in emergencies. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.
10. Call roadside assistance or a special non-emergency wireless assistance number when necessary. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency number.

"The wireless industry reminds you to use your phone safely when driving."

For more information, please call 1-888-901-SAFE, or visit our web-site www.wow-com.com

Provided by the Cellular Telecommunications & Internet Association

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).

Using Your Phone Near Other 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 Environments

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 the phone off while at a refueling 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 below deck 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, 911 or 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.

Restricting Children's access to your Phone

Your phone is not a toy. Children should not be allowed to play with it because they could hurt themselves and others, damage the phone or make calls that increase your phone bill.

FCC Notice and Cautions

FCC Notice

- This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

  -Reorient or relocate the receiving antenna.

  -Increase the separation between the equipment and receiver.

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

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

The 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 Battery march 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 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 phone in aircraft is illegal and may be dangerous to the aircraft's operation.

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

Product Performance

Getting the Most Out of Your Signal Reception

The quality of each call you make or receive depends on the signal strength in your area. Your phone informs you of the current signal strength by displaying a number of bars next to the signal strength icon. The more bars displayed, the stronger the signal.

If you're inside a building, being near a window may give you better reception.

Understanding the Power Save Feature

If your phone is unable to find a signal after 15 minutes of searching, a Power Save feature is automatically activated. If your phone is active, it periodically rechecks service availability or you can check it yourself by pressing any key.

Anytime the Power Save feature is activated, a message displays on the screen. When a signal is found, your phone returns to standby mode.

Understanding How Your Phone Operates

Your phone is basically a radio transmitter and receiver. When it's turned on, it receives and transmits radio frequency (RF) signals. When you use your phone, the system handling your call controls the power level. This power can range from 0.006 watts to 0.2 watts in digital mode.

Maintaining Your Phone's Peak Performance

For the best care of your phone, only authorized personnel should service your phone and accessories. Faulty service may void the warranty.

There are several simple guidelines to operating your phone properly and maintaining safe, satisfactory service.

- Hold the phone with the antenna raised, fully-extended and over your shoulder.
- Try not to hold, bend or twist the phone's antenna.
- Don't use the phone if the antenna is damaged.
- Speak directly into the phone's receiver.
- Avoid exposing your phone and accessories to rain or liquid spills. If your phone does get wet, immediately turn the power off and remove the battery. If it is inoperable, call Customer Care for service.

Availability of Various Features/Ring Tones

Many services and features are network dependent and may require additional subscription and/or usage charges. Not all features are available for purchase or use in all areas. Downloadable Ring Tones may be available at an additional cost. Other conditions and restrictions may apply. See your service provider for additional information.

Battery Standby and Talk Time

Standby and talk times will vary depending on phone usage patterns and conditions. Battery power consumption depends on factors such as network configuration, signal strength, operating temperature,

features selected, frequency of calls, and voice, data, and other application usage patterns.

Battery Precautions

- 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 and the type of battery and 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 temperatures 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. In some areas, the disposal of batteries in household or business trash may be prohibited. For safe disposal options for Li-Ion batteries, contact your nearest Samsung authorized service center. Always recycle. Do not dispose of batteries in a fire.

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 the phone and all its parts and accessories out of the reach of small children.
- Keep the phone dry. Precipitation, humidity and liquids contain minerals that will 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 slightly dampened in a mild soap-and-water solution.
- 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 color. 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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