

9. User Manual

- * Depending on the software installed or your service provider, some of the descriptions in this manual may differ from your phone.
- * Depending on your country, your phone and accessories may appear different from the illustrations in this manual.

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SCH-A915

User's Manual



Important safety precautions



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

Use road safety 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 the SEND key.

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 accessories and batteries. Use of any unauthorised accessories could damage 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.

Qualified service






Only qualified service personnel may repair your phone.

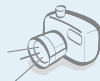
For more detailed safety information, see "Health and safety information" on page 42.

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, **[OK]**
-  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



- **Voice recognition**
Dial a number or access features with voice commands.



- **WAP browser**
Access the wireless web and access various services and current information.



- **Get personal with photo caller ID**

See who's calling you when their very own photo displays.



- **Name card**

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

- **Multimedia Message Service (MMS)**

Send and receive MMS messages with a combination of text, images, video, and audio.



- **Stopwatch**

Measure the time it takes to do your exercise or work



- **Calendar**

Keep track of your daily, weekly, and monthly schedule.



- **Voice recorder**

Record memos or sounds.



- **Bluetooth**

Transfer media files and personal data and connect to other devices using free, wireless Bluetooth technology.

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Unpack

Make sure you have each item

Phone	Travel Adapter
Battery	User Manual

You can obtain various accessories from your local Samsung dealer.

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

Get started

First steps to operate your phone


Install and charge the phone

- 1 Install the battery.
 - ☒ To remove the battery:
- 2 Plug the travel adapter into the phone.
- 3 Plug the adapter into a standard AC wall outlet.
- 4 When the phone is completely charged (the battery icon stops blinking), unplug the adapter from the power outlet.
- 5 Remove the adapter from the phone.

Low battery indicator



When the battery is low:

- a warning tone sounds,

- the battery low message displays, and
- the empty battery icon  blinks.

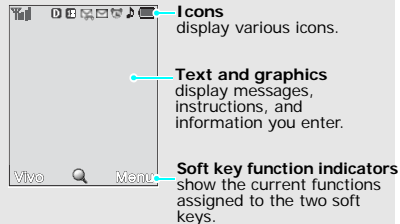
If the battery level becomes too low, the phone automatically turns off. Recharge your battery.

Power on or off








Switch on	1. Open the phone.
Do not turn on the phone when mobile phone use is prohibited.	2. Press and hold [] to turn on the phone.
Switch off	1. Open the phone.
	2. Press and hold [].

Display

Layout
















Icons

	Received signal strength
	Call in progress
	Out of your service area; you cannot send or receive calls
	New SMS message
	New MMS message
	New SMS & MMS message
	New voice mail

Icons

(continued)

	New WAP push message
	New WAP push & Voice mail
	Alarm set
	Ringer on
	Ringer type set to Silent
	Ringer type set to Vibration
	Silent mode is active
	Auto answer mode is active
	Roaming network
	Digital mode is active
	1x RTT mode is active
	EVDO mode is active
	Battery power level

Access menu functions

Select an option

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

Use shortcuts

Press the number key corresponding to the option you want.

Customise your phone

Display language

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

Call ringer melody

1. In Idle mode, press <Menu> and select **Settings** → **Sounds** → **Type** → **Call**.
2. Select a ringer category.
3. Select a ringer melody.
4. Press <Select> or [OK].

Idle mode wallpaper

You can set a wallpaper for the main or external display.

1. In Idle mode, press <Menu> and select **Settings** → **Display** → **Idle Screen** → **Wallpaper**.
2. Select an image category.
3. Select an image.
4. Press <Select> or [OK].

Display Banner

You can change the banner on the display.

1. In Idle mode, press <**Menu**> and select **Settings** → **Display** → **Idle Screen** → **Banner**.
2. Scroll to **Enable** and press [Down].
3. Enter your banner message and press [Down].
4. Select a text color.
5. Press <**Preview**> to preview your banner.
6. Press <**Select**> or [**OK**].

Silent mode

You can switch to silent mode to avoid disturbing other people with your phone sound.

Press and hold [#] in Idle mode.



Phone lock

You can protect the phone against unauthorized use with a phone password.



1. In Idle mode, press <**Menu**> and select **Settings** → **Security**.
2. Enter the default password, "0000."
3. Select **Change Pwd** and enter the default password.
4. Enter a new password.
5. Enter the new password again.
6. Select **Lock Phone**.
7. Select **On Power-Up** or **Lock Now**.

Make/Answer calls

Make a call

1. Enter an area code and phone number.
2. Press [].
3. To end the call, press [].

Answer a call

1. When the phone is ringing, press [] or <Answer>.
2. To end the call, press [].

Adjust the volume during a call


Press [ / ].

Step outside the phone

Begin with your camera, and other special features

Use 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 adjust the image.
4. Press [OK] to take a photo.
5. Press [OK] to save the photo.

View a photo

1. In Capture mode, press <Mode> and select **My Pictures**.
2. Press [Left] or [Right] to select a photo album and press [Down].
3. Scroll to a photo you want and press <View>.

Record a video

1. In Idle mode, press and hold [**8**] to turn on the camera.
2. Press <**Mode**> and select **Camcorder**.
3. Press [**OK**] to start recording.
4. Press [**OK**] to stop recording.
5. Press [**OK**] to save the video.

Play a video

1. In Record mode, press <**Mode**> and select **My Videos**.
2. Press [Left] or [Right] to select a video category and press [**Down**] .
3. Scroll to a video clip you want and press <**View**>.

Use Contacts

Add an entry

As a new entry

1. In Idle mode, enter a phone number and press [**OK**].
2. Select **New Entry** → a number type.
3. Specify the contact information: Name, Mobile, Work, Home, Pager, Fax, Email, URL, Group, Ringer, Birthday, Memo and Picture.
4. Press [**OK**] to save the entry.

Add an entry

(continued)

To an existing entry

1. In Idle mode, enter a phone number and press **[OK]**.
2. Select **Existing Entry**.
3. Select an entry from the Contacts list.
4. Select a number type.
5. Press **[OK]** to save the entry.

Find an entry

1. In Idle mode, press **[OK]**.
2. Select an entry.
3. Select a number and press **[↵]** to dial, or press **<Options>** to access options.

Create and send a name card

1. In Idle mode, press **<Contacts>** and select **Owner Info**.
2. Press **<Options>** and select **Edit**.
3. Specify your contact information.
4. Press **<Save>** to save the name card.
5. After saving the name card, press **<Options>** and select **Send vCard**.

Browse the web

Using a built-in WAP (Wireless Access Protocol) browser, you can get easy access to the wireless web to get a variety of up-to-date services and information and to enjoy downloads of web content.

Launch the browser

In Idle mode, press <**Menu**> and select **WAP**

Navigate with the WAP browser

- To access browser options, press <**Menu**> and select **Browser Menu**.
- To scroll through browser items, press the Navigation keys.
- To select an item, press <**OK**>.
- To return to the previous page, press [**CLR**] or <**Cancel**>.
- To return to the home page, press and hold [**CLR**].

Send messages

Send a text message (SMS)

1. In Idle mode, press <**Menu**> and select **Torpedos** → **New Torpedo** → **Torpedo SMS**.
2. Enter destination numbers and press [**OK**].
3. Enter the message text and press [**OK**].
4. Press <**Send**>.

Send a multimedia message (MMS)

1. In Idle mode, press <Menu> and select **Torpedos** → **New Torpedo** → **Foto Torpedo** or **Video Torpedo**.
2. Enter destination numbers and press [OK].
3. Select **Add Image** or **Add Sound** and add a media file. For **Video Torpedo**, select **Add Video** and add a video clip.
4. Select **Add Message/Add Subject** and enter the message text and subject.
5. Select **Attach** to add an entry as name card format.
6. Press <Send>.

View messages

View a text message

When a notification appears:

Press <Read>. The message displays.

From the Inbox:

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

View a multimedia message

When a notification appears:

Press <Down>. The message will be downloaded and displayed.

From the Inbox:

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

Use voice recognition

Your phone can recognize specific voice commands in order to dial a number or access features.

Voice dialing

1. In Idle mode, press and hold [*].
2. Say "Voice Dial."
3. Say a name or phone number.
4. If the name you hear is not what you want, say "No."
5. Say "Yes" when you hear what you want.
If the name has more than one number, select the number type you want.

Access features

1. In Idle mode, press and hold [*].
2. Say one of the following commands.
 - **Voice Dial:** begin voice dialing.
 - **Memo:** record a voice memo.
 - **Contacts:** open the Contacts list.
 - **Voice Mail:** access the **Voice Mail** menu.
 - **Voice Portal:** access the **Voice Portal** menu.
 - **My Phone #:** check your phone number.

Enter text

T9 English, Alphabet, 123, and Symbols mode

You can enter text for some features such as messaging, Contacts, or Planner, using T9 English mode, Alphabet mode, 123 mode, and Symbols mode.

Changing the text input mode

The text input mode indicator appears when the cursor is in a text field.

- Press <**Options**> to select to T9 English, Alphabet, or 123 mode.

Example: Writing a text message



Text input mode indicator

Using T9 English mode

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

Entering a word in T9 English mode

- 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 English mode.
T9 predicts the word that you are typing, and it may change with each key that you press.
- Enter the whole word before editing or deleting characters.
- 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**].
- Press [**#**] to insert a space and enter the next word.

Tips for using T9 English mode

- Press [**1**] to enter periods or apostrophes automatically.
- Press [**#**] to insert a space.
- Press [*****] to change case. Lower case (**abc**), Initial capital (**Abc**), and Capital lock (**ABC**) are available.
- Press [**CLR**] to delete characters one by one. Press and hold [**CLR**] to clear the display.
- To type words not found in T9 English mode, change the text input mode to Alphabet mode.

Using Alphabet mode

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

Key	Characters in order displayed	
	Upper case	Lower case
1	. @ ? ! - , & : ' (carriage return) 1	
2	A B C 2	a b c 2

Key	Characters in order displayed	
	Upper case	Lower case
3	D E F 3	d e f 3
4	G H I 4	g h i 4
5	J K L 5	j k l 5
6	M N O 6	m n o 6
7	P Q R S 7	p q r s 7
8	T U V 8	t u v 8
9	W X Y Z 9	w x y z 9
0	0	

Tips for using Alphabet mode

- 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 [*****] to change case. Lower case (**abc**), Initial capital (**Abc**), and Capital lock (**ABC**) are available.

- Press **[CLR]** to delete characters one by one. Press and hold **[CLR]** to clear the display.

Using 123 mode

123 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.

Press **<Options>** and select **Symbols**.

To	Press
display more symbols	the Navigation keys.
select a symbol	the corresponding number key.

Call functions

Advanced calling features

Making a call

1. In Idle mode, enter the area code and phone number.
2. Press [↵].

- ☒ Press **[CLR]** to clear the last digit or press and hold **[CLR]** to clear the whole display. You can move the cursor to edit an incorrect digit.

Using the dialing options

While entering a number, press **<Options>** to access the following options:

- **Hard Pause:** insert a hard pause. Numbers after the pause will be sent when you press [↵].
- **2 sec. Pause:** insert a 2-second pause. Numbers after the pause will be sent automatically.
- **Send:** send message to the number.

- **Save:** save the number to Contacts.

Redialing recent numbers

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

Making a call from Contacts

Once you have stored a number in Contacts, you can dial the number by selecting it from Contacts.

You can also use the speed dial feature to assign your most frequently called phone numbers to specific numbers. You can quickly dial them by pressing the associated number keys.

Making an emergency call

You can make calls to standard emergency numbers, such as 190, 192, or 193 on the Emergency # list, even if your phone is locked or all outgoing calls are restricted.

Voice dialing

Once you have stored a phone number in Contacts, you can dial it simply by stating the associated name or the number.

Before using the voice dial feature, you can programme your phone to better recognize your voice in the **Settings** menu.


1. In Idle mode, open the phone or press and hold [✱], depending on the setting in the **Voice Launch** menu.
2. At a prompt, say "Voice Dial."
3. State a name or phone number to the microphone.
4. When the phone ask for confirmation, say one of the following commands:
 - **Yes** to confirm the name.
 - **No** to skip to another name.
 - **Repeat** to start over with another command.
 - **Cancel** to end the voice recognition.
5. Say the number type you want, if the name has more than one number.

Speed dialing

When you store a number in Contact, a location number is assigned to the number so that you can dial it by entering its location number.

- For 1-digit locations, hold down the corresponding number key.
- For other locations, press the first number key and hold down the last number key.

Ending a call


Close the phone or press [].




Answering a call

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

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


Tips for answering a call

- When **Send Key** in the **Call Answer** menu is selected, you can press [] or <**Answer**>.

- When **Folder Open** in the **Call Answer** menu is selected, you can simply open the phone.
- When **Any Key** in the **Call Answer** menu is selected, you can press any key, except [], Volume keys, and soft keys.
- Press <**Ignore**> to reject a call.
- Press and hold [ / ] to mute a call ringer.

Viewing missed calls

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

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 left side of the phone.

The buttons on the headset work as listed below:

To	Press
redial the last call	the button twice.
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.

Answering a second call

You can answer an incoming call while already on the phone, if your network supports it.

1. Press [↶] to answer the call. The first call is automatically put on hold.

2. Press [↶] to switch between the calls.

Making a three-way call

If you have activated the three-way calling service, you can have conversation with two people simultaneously.

1. During a call, make another call or answer a second call. The first caller is placed on hold.
2. Press [↶] to begin with the three-way call.

Switching off the microphone (Mute mode)

You can temporarily switch off your phone's microphone so that the person on the phone cannot hear you.

- Press <Mute> or <Unmute>.

Menu functions

All menu options listed

Calls (Menu 1)


Use this menu to view the calls you have missed, received, or dialled, and the length of your calls.

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

Missed (Menu 1.1)

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

Accessing a call record

1. Press [Up] or [Down] to scroll through the call list.
2. Press [**OK**] to view the details of a call, or [] to dial a number.

Incoming (Menu 1.2)

This menu displays the most recent calls you have received.

Outgoing (Menu 1.3)

This menu displays the most recent calls you have dialled.

Call Timers (Menu 1.4)

Use this menu to display the total length of all outgoing and incoming calls. The actual time invoiced by your service provider will vary.

You can check the length of your last call and the total time of calls you have made to or received, since the phone was shipped from the factory.

Downloads (Menu 2)

You can download various Brew applications and multimedia files, such as melodies and images. You can also store and manage them.

Downloading applications

1. Select **Download Center**.

The following menu is available:

- **Catalog**: browse the server and purchase applications.
- **Search**: enter a keyword to search for a specific application.
- **About Download**: display help information about using the **Download Center** menu.

2. Select **Catalog**.

☒ When **Airtime Warnings** is set to **All Enabled**, you are prompted to connect to the server.

3. Select an application you want to download and follow the instructions on the screen.

Using the Media player

Using the Media player, you can play downloaded files or video clips you have recorded. You can also access the websites preset by your service provider and play media files.

Playing media content

1. Select **Media Player**.
2. Press **<Menu>** to access the following folder list.

Music: save downloaded music files.

Video: save downloaded video files.

My videos: save video clips you have recorded.

VoD/MoD: save URL addresses preset by your service provider. You can directly access the preset websites.

3. Select a folder and scroll to the file you want.
4. Press **[OK]** to play the file

During playback, Use the following keys:

Keys	Function
OK	Pauses/resumes playback.
Up	Exits the Media player.
Down	Stops playback.
Left	Skips backward through a file.
Right	Skips forward through a file.
▲/▼	Adjust the volume.

Accessing media content information

1. In the Media player screen, press <**Menu**> and select a folder.
2. Scroll to the media content you want to access and press [**Right**].
 - While viewing the information, you can delete the media content by pressing <**Erase**>.

Changing the player settings

1. Select Media Player.
2. Press <**Menu**> and select Settings to access the following options:
 - **Display**: select an image pattern for the player display.
 - **Play mode**: change Play mode.
 - Repeat**: set files to be played repeatedly.
 - Normal**: play files in order.
 - Suffle**: play files in random.
 - Single file**: play the selected file once and stop playback.

Managing Brew applications

1. Select **Settings**.

The following options are available:

- **Order Apps**: change the order of the downloaded applications.
- **Move Apps**: move an application to another folder.
- **Manage Apps**: display the Brew server and application properties. You can also manage downloaded applications.
- **Main Menu View**: change the view mode of the main menu screen.
- **Screen Savers**: save a screen saver, if you have downloaded it.
- **Airtime Warnings**: set the phone to alert you each time you access the Brew server.
- **View Log**: display the record of your browsing.

Viewing help information


1. Select **Help**.
2. Select a help item.

WAP (Menu 3)

The Wireless Application Protocol (WAP) browser on your phone allows you to access the wireless web. Using the WAP browser, you can access up-to-date information and a wide variety of media content.

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

Exiting the WAP browser

Press [

Torpedos *(Menu 4)*

Use the **Torpedos** menu to send and receive text messages and multimedia messages. You can also use WAP push message features.

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

New Torpedo *(Menu 4.1)*

Use this menu to create and send text message or multimedia messages.

Writing and sending a text message

Short Message Service (SMS) allows you to send or receive text messages.

1. Select **Torpedo SMS**.
2. Enter a destination number and press <**Next**>. To send the message to more than one recipient, press [Down] and fill in additional destination fields.
3. Enter your message and press <**Next**>.
4. If you are satisfied with the message you have entered, press <**Send**>.

Writing and sending a multimedia message

Multimedia Message Service (MMS) delivers messages containing a combination of text, image, video, and audio, from phone to phone or from phone to e-mail.

1. Select **Foto Torpedo** or **Video Torpedo**.
2. Enter a phone number or e-mail address. To add multiple destinations, insert a space between phone numbers or e-mail addresses.

If you want to send copies of the message to other people, press [Up] to highlight the address type tab and move to **CC** or **BCC**. Then press [Down] and add additional numbers or addresses.

3. Press <**Next**>.

If you selected **Video Torpedo** in step 1, go to step 6.

4. Select the **Add Image** line and add an image.
5. Select the **Add Sound** line and add a sound clip.
6. If you are writing a video message, select the **Add Video** line and add a video clip.
7. Select the **Add Message** line and enter your message.
8. Select the **Add Subject** line and enter a subject for your message.
9. Select the **Attach** line and attach a name card in a data format attachment.
10. Press <**Options**> to access the several options:
11. When you have finished, press <**Send**>.

Inbox *(Menu 4.2)*

This folder stores all of the messages you have received.

Outbox *(Menu 4.3)*

This folder stores messages that the phone is attempting to send, has sent, or has failed to send.

Voice Mail *(Menu 4.4)*

Use this menu to connect to the voice mail server and access your voice mails.



Your service provider can give the voice server number.

press <**Options**> to access the following options:

- **Listen:** access your voice mail server and listen to your voice mail.
- **Clear Icon:** clear the received Voice Mail notification.

Templates *(Menu 4.5)*

WAP Alerts *(Menu 4.6)*

Menu functions

This folder stores and access web messages you have received from the web server.

When a message has been received, you can:

- Press <**View**> to view the message immediately. The phone retrieve the message from the web server and display it.
- Press <**Skip**> to check it later.

Drafts (Menu 4.7)

This folder stores messages you have saved to send at a later time.

Settings (Menu 4.8)

Use this menu to set up various options for sending or receiving SMS messages.

- **Send Settings:** You can configure default SMS settings for sending messages.
Priority: select a priority level.
Delivery Ack: set the network to inform you when your message is delivered.
Signature: add your signature at the end of message.

Save Message: set how the phone acts for sent messages.

- **Prompt:** the phone prompts you to save the message.
- **Not Save:** the phone does not save the message in the Outbox.
- **Auto Save:** the phone immediately saves a copy of the message.

Callback#: enter a callback number.

- **Receive Settings:** You can configure default SMS settings for receiving messages.

Scroll Timer: select the scrolling time. When you select **Off**, you need to manually scroll the screen.

Notification: set how the phone informs you of new messages.

Auto Erase: set what happens if new messages arrive when the Inbox is full.

- **Off:** The phone displays a warning message. You need to erase old messages to receive new messages.
- **On:** the phone automatically erases old messages in order to receive new messages.

Message Reminder: set how often the phone reminds you of new messages.

- **Signature:** You can create your signature in order to add it to the end of message and send the message.
- **Buddy List:** You can set up a group of your contacts to which you frequently send a message.
- **Canned Msg:** You can make and use canned messages of frequently used messages.
- **Entry Mode:** You can select a default text input mode when creating a new message.
- **Message Alert:** You can set how the phone alerts you to new messages during a call.
On: the phone alerts you with a beep and displays the corresponding icon.
Off: the phone does not actively alert you to new messages, but displays the corresponding icon.

Memory Info *(Menu 4.9)*

Use this menu to view the total number of messages you can store, as well as the number of messages you

have received and the number of messages you can further store.

Play 3G *(Menu 5)*

Player 3G *(Menu 5.1)*

MP3 Player *(Menu 5.2)*

My Files *(Menu 5.3)*

Meu Vivo *(Menu 6)*

Vivo Menu mode contains the menus rearranged to let you more quickly and easily use network or the messaging service by your service provider.

To view brief information about a menu, press **<Info>**.

To customize a menu in Vivo Menu mode, press **<Options>**.

- **Change Icon:** assign a different icon for the selected menu.

Menu functions

- **Change Order:** change the position of the selected menu.
- **Initialize:** cancel your settings.

Voice Mail (Menu 7)

Use this menu to connect to the voice mail server and access your voice mails.

- ☒ Your service provider can give the voice server number.

press <**Options**> to access the following options:

- **Listen:** access your voice mail server and listen to your voice mail.
- **Clear Icon:** clear the received Voice Mail notification.

Messaging (Menu 8)

Chat (Menu 8.1)

Use this menu to use the WAP browser chatting service.

For further details about this service, contact your service provider.

Messenger (Menu 8.2)

Use this menu to access the WAP browser Instant Messenger (IM) service.

For further details about this service, contact your service provider.

E-Mail (Menu 8.3)

Use this menu to use the WAP browser e-mail service.

For further details about this service, contact your service provider.

Torpedos (Menu 8.4)

Utilidades (Menu 9)

Voice Services (Menu *)

Use this menu to access voice-related features.

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

Voice Portal (Menu *.1)

Use this menu to access this voice-activated service and get audio content, such as headline news, information on movies, the weather, finance, and traffic, supplied by your service provider.

For further details, contact your service provider.

Voice Information (Menu *.2)

Voice Command (Menu *.3)

Your phone can perform functions or access specific menus via your voice commands.

1. Access the **Voice Command** menu to activate voice recognition. You can also press and hold [*] in Idle mode.
2. State the name of the desired feature.
3. Follow the corresponding menu procedure.

Voice Memo (Menu *.4)

Use this menu to record voice memos.

Record (Menu *.4.1)

You can record up to 30 voice memos of up to 1 minute each (or 2Mbyte).

1. Speak into the microphone.
Press <**Pause**> to pause recording.
Press <**Resume**> to resume.
2. When you have finished, press <**Finish**>. After recording a voice memo, press <**Options**> to access the following options:
 - **Save As**: save the memo.
 - **Review**: replay the memo.
 - **Rerecord**: discard the current memo and record another one.

Review (Menu *.4.2)

You can access and play the memos you have recorded.

1. Scroll to a voice memo.

Menu functions

2. Press **[OK]** to view details, or press **<Options>** to access the following options:
 - **Play**: play the voice memo.
 - **Rename**: change the memo name.
 - **Delete**: delete the selected memo.
 - **Delete All**: delete all memos.
3. Select **Play**.

Delete All (Menu *.4.3)

You can delete all recorded voice memos at one time. When a confirmation message appears, press **<Yes>**.

Settings (Menu *.5)

Use this menu to customize settings for voice tools.

Digit Dialing (Menu *.5.1)

Use this menu to set the phone to better recognize your voice for voice dialing, and also to reset settings.

- **Adapt Digits**: adapt your phone to recognize your vocal style and pronunciation for each digit. Follow the voice prompts to adapt the phone.
- **Reset Digits**: return to default settings.

Sensitivity (Menu *.5.2)

Use this menu to adjust the sensitivity level of your phone to better recognize your voice.

Choice Lists (Menu *.5.3)

Use this menu to set the phone to require confirmation of your voice commands when using Name dialing, Digit dialing or accessing Contacts.

The following options are available for each item:

- **Automatic**: the phone ask for confirmation when results are not clear.
- **Always On**: the phone ask for confirmation at all times.
- **Always Off**: the phone does not require confirmation.

For further information about this feature, press **<Help>** on each item screen.

Sound (Menu *.5.4)

Use this menu to configure sound settings for voice dialing.

- **Prompts**: turn on or off audio prompts.

- **Digits:** turn on or off audio playback for digit dialing.
- **Names:** turn on or off audio playback for name dialing.
- **Name Settings:** adjust settings for the speed and volume for name dialing.

Voice Launch (Menu *.5.5)

Use this menu to set how voice dialing is initiated.

- [*****] **Only:** launch voice dialing by pressing and holding [*****] in Idle mode.
- [*****] / **Folder:** launch voice dialing by pressing and holding [*****] or by opening the phone.
- [*****] / **EarMic:** launch voice dialing by pressing and holding [*****] or the button on the headset.

About (Menu *.5.6)

Use this menu to display information about the voice command programme.

Other Functions (Menu 0)

Planner (Menu 0.1)

The calendar feature enables you to keep track of your schedule and tasks and to make a memo.

Today (Menu 0.1.1)

Use this menu to display Planner items stored for the current day on the Today view.

Calendar (Menu 0.1.2)

When you enter the **Calendar** menu, the calendar in Month view appears with today's date.

Task List (Menu 0.1.3)

Use this menu to create a list of tasks that need to be done.

Memo Pad (Menu 0.1.4)

Use this menu to make memos of important things you need to remember.

Alarms (Menu 0.1.5)

Use this menu to set alarms to sound at specific times. A wake-up alarm is not affected by your sound setting.

Menu functions

Calculator (Menu 0.1.6)

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

Countdown (Menu 0.1.7)

Use this menu to count how many days are left until a specific date.

World Time (Menu 0.1.8)

Use this menu to find out what time it is in another part of the world.

Scroll through the map by pressing [Left] or [Right].

To apply the DST (Daylight Savings Time) setting, press <**Set DST**>.

To cancel the setting, press <**Unset DST**>.

Units Conversion (Menu 0.1.9)

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

Stop Watch (Menu 0.1.0)

Help (Menu 0.2)

Use this menu to view information about your phone.

- **Version:** display the phone information.
- **Phone Number:** display your phone number.
- **Icon Glossary:** display icons shown on the screen when you use the phone.

Settings (Menu #)

Use this menu to customize your phone settings. You can also reset the settings to their default values.

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

Display (Menu #.1)

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

Phone Design (Menu #.1.1)

Use this menu to change the display properties for Menu mode and Dial mode.

- **Screen Color:** select the color of the screen.
- **Screen Font:** select the color of the screen font.

- **Dial Design:** select a color for the digits when entering a number for dialing.

Idle Screen (Menu #.1.2)

Use this menu to change display properties for Idle mode.

- **Wallpaper:** set the background image (wallpaper) to be displayed in Idle mode.
- **Func. Screen:** set the phone to display one of the following function screen in Idle mode.

Clock Style: display a clock.

Calendar: display the calendar of the current month.

Today: display the current day's Today view.

Launch Pad: display the shortcut assignments for the Navigation keys. You can also change the assignments.

- **Banner:** enter a banner message to be displayed at the bottom of the display in Idle mode.

Backlight (Menu #.1.3)

You can select the length of time the backlight stays on and the time the display remains on in Dimming mode, in which the backlight is off.

- **LCD:** specify the length of time the display backlight stays on.
- **Keypad:** specify the length of time the keypad backlight stays on.
- **Power Save:** set the phone to turn the display off when you don't use the phone.

Set Time (Menu #.1.4)

When you need to manually enter the current time and date in specific areas where call service reception is weak, use this menu to set the time and date on the idle screen. Only then you can use the Planner features when outside a call service area.

Enter the time and date using the numeric keys and press <**Set**>.

Service LED (Menu #.1.5)

The service light on the front of the phone, blinks to indicate the service status. In this menu, you can activate or deactivate the feature of the service light.

Sounds (Menu #.2)

Use this menu to customize various sound settings.

Volume (Menu #.2.1)

Use this menu to select a ringer volume for incoming calls, message alert, alarms, key tone, depending on the place where you are.

- **Silent:** the phone does not ring.
- **1-Beep:** the phone sound a beep.
- **Vibrate:** the phone vibrates but not rings.
- **Level 1~8:** select a volume for the call ringer. The more bars, the louder the volume.
- **Vib+Ring:** the phone vibrates and then rings.

Type (Menu #.2.2)

Use this menu to select the ringer type for incoming calls, roaming, message alert, key tone, or data calls.

- ☒ You can adjust the keypad tone volume using [^/√] in Idle mode.

Alerts (Menu #.2.3)

Use this menu to have the phone alert (beep) you to inform you that certain things have happened.

- **Tone Length:** set short or long DTMF (dual-tone multi-frequency) tones to be sent to access teleservices, such as a bank account. If the service is digital, as most are, short DTMF tones will almost always work.
- **Service:** set the phone to beep when you exit a service area or return to a service area.
- **Connect:** set the phone to beep when your call is connected to the system.
- **Disconnect:** set the phone to beep when your call is disconnected from the system.
- **Signal Fade:** set the phone to beep when a dropped call occurs during conversation in response to fading signal strength.
- **Minute Beep:** set the phone to beep every minute during an outgoing call to keep you informed of the length of your call.
- **Folder Sound:** set the phone to sound an alert when you open or close the phone.

- **Power On/Off:** set the phone to sound an alert when you turn on or off the phone.

Call Setup *(Menu #.3)*




Use this menu to customize the phone for making and receiving calls.

Auto Answer *(Menu #.3.1)*

Use this menu to set the phone to automatically answer calls after a specified time when you use the headset or an optional hands-free car kit.

Call Answer *(Menu #.3.2)*

Use this menu to set how to answer incoming calls.

- **Send Key:** the phone answers calls only when you press [] or <**Answer**>.
- **Folder Open:** the phone answers when you open the phone. If the phone is already open, press [] or <**Answer**>.
- **Any Key:** the phone answers when you press any key except for [], <**Ignore**>, and the Volume keys.

Auto Retry *(Menu #.3.3)*

Use this menu to set the phone to automatically redial calls when a connection fails.

Auto CSP *(Menu #.3.4)*

Use this menu to set the phone to automatically add the CSP (Carrier Selection Code) of your long distance call service to the entered number when making a call.



The code is added only when the phone number has 6,7,10, or 11 digits and starts with 0xx, for example, 012 or 015.

Language *(Menu #.4)*

Use this menu to select one of several languages for the display text.

Vivo Encontra *(Menu #.5)*

Use this menu to activate LBS (Location Based Services) to find current position information or to let other devices locate you.

WAP Setup *(Menu #.6)*

Security (Menu #.7)

Use this menu to protect the phone against unauthorized use.

To access the **Security** menu, you must enter the phone password. The password is preset to **0000**.

Lock Phone (Menu #.7.1)

Use this menu to lock the phone.

- **Unlock:** the phone remains unlocked.
- **On Power-Up:** the phone is locked automatically each time you turn it on.
- **Lock Now:** the phone is lock immediately.

When the phone is locked, you must enter your phone password each time you access menu functions.

Change Pwd (Menu #.7.2)

Use this menu to change your phone password. The password is preset to **0000**.

Restriction (Menu #.7.3)

Use this menu to restrict all call functions on the phone and access to your Contacts.

When this feature is enabled, you must enter the phone password to access restricted functions. The password is preset to **0000**.

Modem (Menu #.7.4)

Your phone can be used as a standard modem on a PC for sending and receiving digital data when connected to a Windows computer. Using your phone as a modem, you can wirelessly access data from Windows software applications.



The phone must be on a digital network to receive or send data.

Use this menu to change the phone mode for being used as a modem.

- **Voice Call Only:** receive voice calls only.
- **Data in Only:** receive data calls only.

Emergency # (Menu #.7.5)

Use this menu to store emergency numbers, which can be manually dialed at any time even if all call functions are restricted or your phone is in Lock mode.

To make a emergency call in Lock mode, enter a programmed number and then press [↵].

IMPORTANT NOTICE

Emergency calling may not be available on all wireless networks at all times. A connection cannot always be guaranteed, due to various transmission methods, network parameters, and user settings used to complete a call from your wireless phone.

DO NOT depend on this phone as a primary method of dialing 190 or for any other essential or emergency communications.

Remember to always turn your phone on and check for adequate signal strength before placing a call.

Erase Memory (Menu #.7.6)

Use this menu to erase all data stored in the phone's memory.

1. Select a data type and press **[OK]** to check data to be deleted.
2. Press ****.
3. Press **<Yes>** to confirm the deletion.

Reset Phone (Menu #.7.7)

Use this menu to reset the original phone settings, display settings, and sound settings individually. You can also reset all the settings in your phone at the same time.



The password is preset to **0000**. You can change this password ► p. 38

System (Menu #.8)

This menu provides you with options for selecting a network.

Set System (Menu #.8.1)

Roaming allows you to register your phone on other networks and use the facilities, if your own network is not available. Roaming is only relevant in areas where there are at least two cellular service providers having valid roaming agreements.

Menu functions

When you are using another network, the Roaming icon (R) appears.

- **Home Only:** you cannot roam. When your home system is not available, and the No service icon (X) appears and you cannot make or receive calls.
- **Standard:** your phone automatically searches for the first available service.

Set NAM (Menu #.8.2)

Your phone can have two NAMs (Numerical Assignment Module), essentially your phone number. Use this menu to switch your service back and forth between the two.

If you change the NAM, the phone turns off by itself and then back on to acquire service using the new NAM.

PRL Enabled (Menu #.8.3)

Your phone can find a cellular service provider's network on the Preferred Roaming List (PRL), a graded list of bands and channels which the phone uses when it attempts to locate and connect to a network while

roaming. In this menu, you can activate or deactivate the use of the PRL.

- **Yes:** the phone searches and lists all of the network providers' networks available for your area.
- **No:** the phone searches for the default channel to locate your own network.

Pref Mode (Menu #.8.4)

Use this menu to select the network to be used when roaming.

- **Hybrid:** the phone uses both the 1XRTT and EVDO network.
- **CDMA Only:** the phone uses the 1XRTT network.
- **EVDO Only:** the phone uses the EVDO network.

Bluetooth (Menu #.9)

Bluetooth technology enables cost-free wireless connections between electronic devices within a maximum range of 10 meters. A Bluetooth connection can be used to send photos, images,

videos, phonebook, scheduled items, and to connect wirelessly to devices using Bluetooth technology, such as computers. Since Bluetooth devices communicate using radio waves, your phone and the other Bluetooth device do not need to be in line of sight to each other. The 2 devices only need to be within a maximum of 10 meters of each other, although the connection can be subjected to interference from obstructions, such as walls or other electronic devices. In some countries, there may be restrictions on using Bluetooth devices. Please contact your service provider.

Activation (Menu #.9.1)

This feature allows you to activate the Bluetooth feature. When this option is set to on, the Bluetooth icon appears.

Search (Menu #.9.2)

This feature allows you to search the Bluetooth device.

Disconnect (Menu #.9.3)

Registered List (Menu #.9.4)

This feature allows you to view the registered Bluetooth devices.

Settings (Menu #.9.3)

My Device name

This feature allows you to change your phone's Bluetooth device name, which is displayed on other devices.

Visibility

Security

This feature allows you to select whether or not the phone asks for your confirmation when other devices access your data.

Mode

Health and safety information

Exposure to Radio Frequency (RF) Signals

Certification Information (SAR)

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. government. These FCC exposure limits are derived from the recommendations of two expert organizations, the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg). The FCC exposure limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC.

The highest SAR values for this model phone as reported to the FCC are Head: **1.34 W/Kg**, Body-worn: **0.924 W/Kg**.

For body worn operation, this model phone has been tested and meets the FCC RF exposure guidelines when used with a Samsung accessory designated for this product or when used with an accessory that contains no metal and that positions the handset a minimum of 1.5 cm from the body.

Non-compliance with the above restrictions may result in violation of FCC RF exposure guidelines.

SAR information on this and other model phones can be viewed on-line at www.fcc.gov/oet/fccid. [This site uses the phone FCC ID number, A3LSCHA915.](#)

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.

The phone may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the phone if such interference cannot be eliminated.

Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association, One Batterymarch Park, Quincy, MA 02269, Attn: Publication Sales Division.

Cautions

Changes or modifications made in the radio phone, not expressly approved by Samsung, will void the user's authority to operate the equipment.

Only use approved batteries, antennas and chargers. The use of any unauthorized accessories may be dangerous and void the phone warranty if said accessories cause damage or a defect to the phone.

Although your phone is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the phone or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including 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.