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SAMSUNG

SPH-N240

User's Manual

Please read this manual before operating your phone, and keep it for future reference .

Safety Quick Guide

Read these guidelines before using your wireless phone. Failure to comply with these guidelines may be dangerous or illegal. For more detailed safety information, see "Health and Safety Information" on page xx.

Road safety comes first
Do not use a hand-held phone while driving; park the vehicle first.

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

Switch off on aircraft
Wireless phones can cause interference. Using them on aircraft is both illegal and dangerous.

Switch off in hospital
Switch off your phone near medical equipment. Follow any regulations or rules in force.

Interference
All wireless phones may get interference which could affect performance.

Respect special regulations
Follow 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 (in a hospital for example).

Radio frequency exposure information
In August 1996, the Federal Communications Commisision (FCC) of the U.S. adopted an updated safety standard for human exposure to radio frequency electromagnetic energy emitted by FCC regulated transmitters. The design of this phone complies with the FCC guidelines and those standards

To maintain compliance with FCC RF exposure guidelines, use only third-party belt-clips, holsters and similar accessories that do not contain metallic components in its assembly.

If you do not use a body-worn accessory, ensure the antenna is at least 0.6 inch (1.5cm) from your body when transmitting. Use of non-approved accessories may violate FCC RF exposure guidelines.

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

Accessories and batteries
Use only SAMSUNG-approved accessories and batteries.

Use qualified service
Only qualified service personnel may install or repair your phone.

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Your Phone

Key Descriptions

Key **Functions**

MENU : Enters the menu facility.

OK : *In the menu facility*, selects a menu function or stores information that you have entered (such as a name) in the phone memory.
In Standby mode, enters the Message menu.

Navigation : *In the menu facility*, scroll through the menu tions and phonebook memory.
up/down: enters the phonebook.
left: enters the game menu.
right: connects the browser.

TALK : Makes or answers a call. In standby mode, press the key once to enter the outgoing call log.If you press and hold the key down you will initiate Voice Dial.

CLR : Deletes characters from the display.
In the menu facility, returns to the previous menu level.

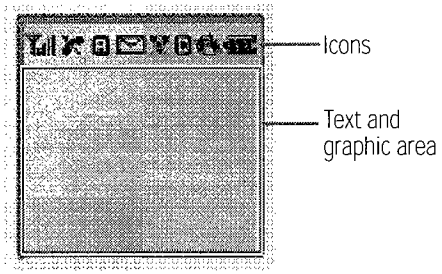
END : Ends a call. Also switches the phone on and off when pressed and held.
In the menu facility, returns to Standby mode and cancels your input.

Volume : *During a call*, adjusts the voice volume. *In Standby mode with the phone open*, adjusts the ringer volume. *In the menu facility*, scrolls through the menu options.

Display

Layout

The display comprises two areas; an upper line of fixed icons, and the lower text and graphic area. The following icons display at power-on:



Icons

Signal strength : Shows the received signal strength. The greater the number of bars, the better the signal strength.

Service: Appears when a call is in progress.

No service indicator: Appears when you are outside a service area. When it appears, you cannot make or receive calls. Wait a little while for a signal or move into an open area.

Roaming: Appears When you are out of your home area and have registered with a different network (when travelling in other countries, for example).

New Message: Appears when a new text message has been received.

Vibrator on: Appears when a vibrate mode is on. An incoming call will vibrate the phone rather than ring it.

Battery strength: Shows the level of your battery. The more bars you see, the more power you have left.

Backlight

The display is illuminated by a backlight. When you press any key, the backlight illuminates. It turns off if no key is pressed within a given period of time.

Service Light

The service light is at the top right of the phone. It flashes to indicate incoming call or message. Also, the service light flashes for a few seconds when you turn on the phone.

Getting Started

Charging a Battery

Your phone is powered by a rechargeable Li-ion battery. A travel adapter is provided with your phone. Use only approved batteries and chargers. Ask your local SAMSUNG dealer for further details.

The phone can be used while the battery is charging.

Note: You must fully charge the battery before using your phone for the first time.

1. Connect the lead from the travel adapter to the bottom of the phone. Check that the arrow on the lead connector is facing towards the front of the phone.

2. Connect the adapter to a standard AC wall outlet.

The LEDs on the front of the charger indicate the following:

Red indicates that the battery is charging.

Green indicates that the battery is fully charged.

Yellow indicates that the battery is operating at a temperature that is too high or too low, or that something is not plugged in correctly. Check the charger and battery for proper connections.

3. When charging is finished, disconnect the adapter from the power outlet.

   Disconnect the adapter from the phone by pressing the grey tabs on either side of the connector and pulling the connector out.

Low Battery Indicator

You can easily tell if your battery needs to be recharged by checking the battery strength indicator in the upper-right corner of your phone's display. The presence of all three bars indicates a full charge, two bars indicates a smaller charge, and one bar indicates an even smaller charge. No bars (the battery icon is empty) means your battery must be charged.
When the battery charge level gets low, the battery sensor blinks an empty battery icon ( ), sounds a tone. If the battery level gets too low, the phone will turn off automatically. Unfortunately, if this happens you'll lose whatever you are doing, including dropping your call. Watch the battery strength icon and make sure your battery is adequately charged.

Switching the Phone On/Off

1. Open the phone.
2. Hold down the **TALK** key for more than one second to switch the phone on.

   The service light on the right of the phone flashes, and an alert sounds. When the system locates services, the greeting message displays along with the date and time.

   If the phone is out of service, the icon appears in the display. In this case, you cannot place and receive calls. You can try again later when service is available.

3. When you wish to switch the phone off, hold down the **END** key for more than two seconds.

Call Functions

Making a Call

In Standby mode, key in the area code and phone number and press the **TALK** key.

Correcting the Number

To clear	Then .....
The last digit displayed	Press the **CLR** key.
The whole display	Hold down the**CLR** key for more than one second.

Ending a Call

When you have finished your call, briefly press **END** or close the phone.

If you press **END** , the call time (length of the call) displays briefly and the phone returns to Standby mode.

Redialing the Last Call

To redial the last call you made, press **TALK** twice quickly.

Your phone stores the last 10 incoming or outgoing calls. To recall any of these numbers, proceed as follows.

1. If there are any characters on the display, clear the display by holding down **CLR** for more than one second.
2. Press **TALK** . The list of outgoing calls are displayed.
3. Use the navigation key to scroll through the list until you select the required name or number.
4. Press **TALK** to dial the number displayed.

Speed Dialing

Once you have stored phone numbers in the phone book memory, you can dial them easily whenever you want.

You can dial the stored phone number automatically without pressing the **TALK** key. See below.

One-Touch Dial

Memory locations 01 through 09 are special one-touch locations. You can dial the phone numbers stored in the Phone Book memory from 01 through 09 simply by pressing one button.

Press and hold the third digit of the memory location containing the number to be dialed.

For example: Location no. 009
Press and hold **9**.

The number (and name) stored is displayed, then dialed.

Two-Touch Dial

Memory locations 10 through 99 are special two-touch locations.

Press the second digit briefly, then hold down the third digit of the memory cell.

For example: Location no. 023
Press 2 briefly and hold down 3.

The number (and name) stored is displayed, then dialed.

Three-Touch Dial

Memory locations 100 through 169 are special three-touch locations.

Press the first and the second digit briefly, then hold down the third digit of the memory cell.

For example: Location no. 123
Press 1 and 2 briefly, then hold down 3.

The number (and name) stored is displayed, then dialed.

Pause Dialing

When you call automated system, like banking services, you are often required to enter a password or account number. Instead of manually entering the numbers each time, you can store the numbers in your Phone Book, separated by special characters called pauses.

Your phone has two pause dialing methods:
- Pause dialing from the Phone Book
- Manual pause dialing

Storing Pauses in a Phone Book Entry

To store a number in your Phone Book that contains pauses:

1. Enter the phone number you want to store (such as the bank's tele-service phone number).

2. Press the **MENU** key.

   The letter "p" displays in the number, meaning that a hard pause will occur at that point in the dialing sequence.

   Note: The digits before the "p" dial the tele-service. The "p" stops the dialing and waits for the tele-service to prompt you for a number. The number following the "p" is your account number, PIN, etc.

3. Enter the digits that need to follow the pause (such as your account number).

4. Store the number in your Phone Book as you normally would by pressing the **OK** key and following the screen prompts.

Pause Dialing from a Stored Phone Book Entry

1. Dial the number from the Phone Book.

2. Wait for the appropriate prompt for the number (credit card number, bank account number, etc.).

3. When prompted, press the **TALK** key to send the DTMF number that follows your hard pause.

   "SENDING DTMF" flashed on the display and the transmitted tone sounds.

Manual Pause Dialing

You can enter pauses manually during the dialing process.

1. Enter the phone number of the service you want to connect to (such as a bank's tele-service phone number).

2. Press the **MENU** key to insert a pause.

   The phone displays a "p" meaning a pause. Enter the number to be sent after the pause and then press the **TALK** key.

3. After connecting, press the **TALK** key again to transmit the additional number at the prompt from the tele-service.

Answering a Call

When somebody calls you, the phone rings and the phone icon is displayed in the middle of the external display.

If the caller can be identified, the caller's phone number (or name if pre-stored in your Phone Book) is displayed. If the caller cannot be identified, only the phone icon appears.

1. To answer a call, open the phone. If the phone is already open, press the **TALK** key.
2. End the call by closing the phone or pressing the **END** key.

   Note: You can answer a call while using the phone book or menu features. The current operation will be interrupted.

In-Call Options

Your phone provides a number of functions that you can use during a call. You may not utilize all of these functions at all times. Many of the in-call options are network services.

Press the **MENU** key during a call to access the following in-call options:

Mute/Unmute: allows you to switch your phone's microphone off, so that the other party cannot hear you.

Example: You wish to say something to another person in the room but do not want the other party to hear you.

Calls: allows you to access the **Calls** menu.

Phone Book: allows you to access the **Phone Book** menu.

Silent Key: does not transmit the key tones. It allows you to press keys without hearing annoying key tones during a call.

Note: To communicate with answering machines or computerized telephony systems, the **Silent keys** option must be disabled.

Send Tel #: sends DTMF tones of your number.

My Phone #: shows your phone number.

Version: allows you to view the software and hardware version of your phone.

Send DTMF: sends DTMF tones of the currently displayed number. DTMF (Dual Tone Multi Frequency) tones can be used to control electronic phone services such as bank-by-phone or voicemail. During a call, key in the digits you want to send as DTMF tones, for example, the bank account number and password. Then select this in-call option.

Using Caller ID

This feature tells you who is calling you by displaying the caller's number when the phone rings. If a caller's name and number are stored in your Phone Book, the corresponding name is also displayed. If you call someone who has this feature, your phone number will be displayed on the their phone.

Note: Contact your service provider to setup the Caller ID service.

Viewing Missed Calls

Your phone keeps a list of calls that you do not answer when the phone is on and service is available. The phone indicates a missed call by displaying a text notification on the screen. Additionally, if caller information is available, the screen displays the phone number of the most recent missed call.

Press **TALK** to call the displayed number, or the **OK** key to save the number in Phone Book.

Dropped Calls

A dropped call can occur during a conversation in response to a signal fade or leaving a service area. In this case, the call ends and "Call Dropped" displays.

Failed Calls

A failed call can occur if your phone is out of calling range or the network is temporarily busy. Your phone responds to a failed call by displaying an appropriate message: "Call Failed Out of Range" or "Call Failed Network Busy."

Three-Way Calling

This feature enables you to conduct conference calls with two separate parties at the same time. The phone records each party into the Outgoing Calls Log. Also, You are billed airtime for each outgoing call separately.

Note: Contact your service provider to activate Three-Way Calling.

To place a Three-Way call:

1. During a conversation, press **TALK** . The phone places the other party on hold.

2. Enter the phone number for the third party, and then press **TALK** . The phone dials the third party.

3. When you are connected to the third party, press again to begin your three-way call.

If one of the callers (not you) hangs up, you and remaining caller stay connected. If you initiated the call and you hang up first, all three parties are disconnected.

Call Waiting

Call Waiting lets you receive a second call during conversation. Your phone notifies you of a call waiting by beeping an displaying "Call Waiting."

Your phone provides the option of turning the Call Waiting feature on and off (if you have subscribed to the service). Call Waiting is on by default in the phone. If you choose to have a undisturbed conversation, simply turn off the feature for the current call.

Note: Contact your service provider to activate the Call Waiting service.

To answer a waiting call:

1. To answer the call, press **TALK** . The phone connects the calling party, and places the current party on hold.

2. Press **TALK** again to switch between two parties.

Note: If you do not respond to a Call Waiting notification, the phone will forward the call to voicemail or another number that you have set up. Contact your service provider for more information.

Call Forwarding

This feature provides the option of forwarding incoming calls to another phone number, even while your phone is off. Activating Call Forwarding does not affect outgoing calls made from this phone. Contact your service provider to activate Call Forwarding.

Adjusting the Volume

During a call, if you want to adjust the voice volume, use the volume keys on the left side of the phone.

In Standby mode, you can adjust the ring volume using the same keys.

Entering Text

Changing Text Input Mode

When using your phone, you will need to enter text at many times. For example, when storing a name in the Phone Book, creating your personal greeting or scheduling events in your calendar. You can enter alphanumeric characters into your phone by using your phone's keypad.

When you are prompted to enter text, the current text entry method will appear in the bottom of the display as T9, Abc, 123 or SYM.

To change the input mode, press **MENU** and then press the navigation key to scroll to the mode you want and press **OK** .

T9 Mode

The T9 predictive text input mode allows you to enter words easily with a minimum of key presses. As you press each key, the phone selects a letter that makes up the word that it thinks you are typing, based on a built-in dictionary. As a new letter is added, the word changes based on the key that you have pressed.

1. When you are in the T9 predictive text input mode, start entering a word by pressing keys **2** to **9**. Press each key only once for one letter.

   The word that you are typing appears in the display. It may change with each key that you press.

2. Enter the whole word before editing or deleting any keystrokes.
3. If the word is correct, start entering the next word.

   Otherwise, press **0** repeatedly to display alternate word choices for the keys that you have pressed.

4. Complete each word with a space by pressing the **#** key.

To type words not found in the T9 mode, change the text input mode to the ABC mode.

To delete letters, press **CLR**. Press and hold down **CLR** to erase entire words.

Alpha Mode

When typing in **Alpha** mode, you should press key labeled with the required letter:
-Once for the first letter
-Twice for the second letter
-And so on.

For example, you press 2 three times quickly to display the letter "C" , 5 two times quickly to display the letter "K". So, this method is called Multi-tap typing.

Refer to the table on next page for the list of characters assigned on each key.

List of characters available:

Key	Characters in the Order Displayed
1	1 . - ? ' : @ ( ) ! / \ ; [ ] " < > $ ~ _ = + % * & # à á â ã ä ç è é ê ë ì í î ï ñ ò ó ô õ ö ù ú û ü ý
2	A B C 2
3	D E F 3
4	G H I 4
5	J K L 5
6	M N O 6
7	P Q R S 7
8	T U V 8
9	W X Y Z 9
0	0

(Caps Lock mode)

To shift the case of the next letter(s) that you type, press * one or more times. There are three shift states: Lower Case is indicated by abc in the right corner of the display, Initial Capital is Abc, and Capitals Lock is ABC.

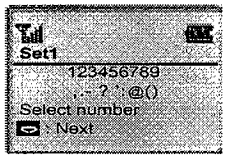
The cursor moves to the right when you press a different key. When entering the same letter twice (or a different letter on the same key), just wait for a few seconds for the cursor to move right automatically, and then select the next letter.

If you enter a specific word in this mode the first time, the word is automatically added to your phone's database, and offers the new word as an option for its keystroke sequence when you are in the T9(English) mode.

- Press # to insert a space.
- To move the cursor left or right through your text message, press the navigation key.
- Press **CLR** one or more times to clear letters to the left.

Symbol Mode

Symbol mode enables you enter symbols into a text message.



Press the navigation key to display more symbols up to Set 6.

Press keys corresponding to the desired mark, then the phone automatically switches back to the text entry mode used just prior to selecting the Symbol mode.

Number Mode

Number mode enables you to enter numbers into a text message. Press keys corresponding to the desired digits, and manually switch back to text entry mode of choice.

Using the Menus

The phone offers a range of functions that allows you to tailor the phone to your needs. These functions are arranged in menus and submenus.

The menus and submenus can be accessed by scrolling or by using the shortcuts.

Accessing a Menu Functions by Scrolling

1. In Standby mode, press the **MENU** key to access the menu facility. Scroll with the navigation key to reach the desired main menu. Press the **OK** key.

2. If the menu contains any submenus,find the one you want by scrolling with the navigation key. Press the **OK** key to enter the submenu.

   If the menu you have selected contains submenus, repeat this step.

3. Scroll with the navigation key to find the setting of your choice. Press the **OK** key to confirm the chosen setting.

Notes:
- You can return the previous menu level by pressing the **CLR** key.

- You can exit the menu without changing the menu settings by pressing **TALK**.

Accessing a Menu Functions by Using its Shortcut

The menu items (menu, submenus and setting options) are numbered and can be accessed quickly by using their shortcut number.

1. In Standby mode, press the **MENU** key to access the main menu.

2. Within three seconds, key in the first digit of the shortcut number. Repeat this for each digit of the shortcut number.

3. Find the setting of your choice pressing the navigation key and then press the **OK** key.

Note: The numbers assigned to each menu function are indicated on the list on the next page.

Your Phone's Main Menu

Main menu	Main menu 1	Main menu 2
1. Calls	1. Outgoing	
	2. Incoming	
	3. Missed	
	4. Erase History	1. Outgoing
		2. Incoming
		3. Missed
		4. All Calls
	5. Air Time	1. Last Call
		2. Total Airtime
2. Phone Book	1. Find Name	
	2. Add New Entry	
	3. My Phone #	
	4. Find Entry	
	5. Services	
3. Roaming	1. Set Mode	
	2. Call Guard	
4. Calendar	1. Today	
	2. Month View	
	3. Jump To Date	
	4. To Do List	
	5. Countdown	
	6. Alarm Clock	
	7. Set Time	
5. Messages	1. Voicemail	
	2. Page/Text	
	3. Erase Msgs	
6. Voice Dial	1. Record	
	2. Review	
	3. Erase All	

Main menu	Main menu 1	Main menu 2
7. Sounds	1. Ringer Volume	
	2. Ringer Type	
	3. Key Beep	
	4. Tone Length	
	5. Alerts	1. Minute Beep
		2. Service
		3. Connect
		4. Disconnect
	6. Roam Ringer	
8. Setup/Tool	1. Display	
	2. Security	
	3. Call Answer	
	4. Auto Answer	
	5. Language	
	6. Calculator	
9. Game	1. Flying Tight	
	2. Ring for money	
0. Key Guard		

Calls

You can use the **Calls** menu to:

- View and dial the last outgoing or incoming numbers.
- Erase the numbers in the Call Log memory.
- View the duration of calls.

Outgoing

Menu 1-1

The phone stores up to 10 outgoing calls you dialed. When you access this menu, the list of outgoing calls is displayed.

To ...	Press ...
Select an entry	up or down naviagiton key
Dial the selected entry	**TALK**
View the details	**OK**

When you press the **OK** key, you can view the date/time stamp for the selected entry. If there is a Phone Book match, the name and the label display.

Press the **MENU** key to access **Options**. The following options are available:

Talk: dials the selected number.

Show Entry (or **Store** if the phone number is not currently stored in the Phone Book): shows the phone book entry or stores the number in the Phone Book.

Prepend: allows to add an area code or feature code to the number before calling the number.

Incoming

Menu 1-2

This option lets you view the last 10 calls received. (if you are subscribed to the caller ID service). When you access this menu, the last incoming calls are displayed.

To...	Press ...
Select entry	up or down navigation key
Dial the selected entry	**TALK**
View the details	**OK**

When you press the **OK** key, you can view the date/time stamp for the selected entry. If there is a Phone Book match, the name and the label display.

Press **MENU** to access **Options**. The following options are available:

Talk: dials the selected number.

Show Entry (or **Store** if the phone number is not currently stored in the Phone Book): shows the phone book entry (or stores the number) in the Phone Book.

Prepend: allows to add an area code or feature code to the number before calling the number.

Missed

Menu 1-3

This option lets you view the last 10 calls missed. (if you are subscribed to the caller ID service). When you access this menu, the last missed calls are displayed.

To...	Press ...
Select entry	up or down navigation key
Dial the selected entry	**TALK**
View the details	**OK**

When you press the **OK** key, you can view the date/time stamp for the selected entry. If there is a Phone Book match, the name and the label display.

Press **MENU** to access **Options**. The following options are available:

Talk: dials the selected number.

Show Entry (or **Store** if the phone number is not currently stored in the Phone Book): shows the phone book entry (or stores the number) in the Phone Book.

Prepend: allows to add an area code or feature code to the number before calling the number.

Erase History

Menu 1-4

You can erase the numbers stored in the Call Log memory.

Outgoing: The numbers you called are erased.

Incoming: The numbers you received are erased.

Missed: The numbers you missed are erased.

All Calls: All calls you dialed and received are erased.

Airtime

Menu 1-5

Using this option, you can view the call time of the last call.

Last Call: the date, time, and length of your last call.

Total Airtime: the total air time for your phone since it was purchased. This airtime log is kept for historical and maintenance reasons, and cannot be erased.

Phone Book

The Phone book allows you to store frequently used phone numbers and the associated names in your personal directory to make it easy for you to make a call without having to remember or enter the phone number. You can store up to 169 numbers.

Find Name *Menu 2-1*

This option displays the stored names in the Phone Book in alphabetical list.

Press the navigation key to scroll to the desired name. You can also enter the first letter(s) of the name by pressing the associated alphanumeric key. Using this method, the phone searches for the names in the list beginning with that letter(s), and then displays the first name in that section of the list. Then, press **OK** to display the selected entry.

When the desired entry displays, press **SEND** to place a call.

If you press **MENU** , you can access the following options:

Talk: dials the number.

Add Phone#: allows you to add several different types of numbers to the name, such as work office number or mobile number.

Edit: allows you to edit phone number, name, or entry number. **Set Secret** option prevents the number from being displayed on the screen. **Set Speed Dial** option allows you to designate the number to be dialed as a speed-dial number.

Prepend: prepends the number to add an area code or feature code to the number before dialing.

Erase: erases the number.

Name Ringer: allows you to designate a unique tone to signal an incoming call by the number.

Email Address: allows you to add an e-mail address.

Add New Entry *Menu 2-2*

This menu allows you to store a number with a name in your Phone Book. Using this feature, you can keep someone's information together. It also helps you to find numbers easily in the Phone Book.

Creating a New Entry

1. Press the digit keys to enter the phone number up to 32 digits.
2. Press **OK** to save the number.
3. If the New Entry option is highlighted, press the **OK** key to enter information of the number in the phone book. If not, skip to step 7.

4. You can have seven items. To edit each items proceed as follows.

To ...	Then press the...
scroll through the items	navigation key
edit or enter each item	**MENU** key
save each item	**OK** key
go to the previous screen	**CLR** key

Phone Number: enter your new telephone number.
Name: enter a name up to 12 characters.
Location: enter a desired memory location or press the navigation key to assign the available memory location.
Secret: select secret On or Off.
Category: select one among Voice Dial, Speed Dial, Home, Office, Mobile, Pager or Fax and No Label using the navigation key.
Relation: select one among No group, Friend,Family, Colleague and VIP.
Ringtype: select the desired ring type.

4. Press the **OK** key to save the new phone number.

My Phone

Menu 2-3

This option allows you to display your phone's number.

Find Entry

Menu 2-4

This option allows you to find an entry by location number.

Enter the location by pressing the number keys or press the navigation key to scroll to the desired location, then press **OK** to display the selected entry.

When the desired entry displays, press **SEND** to place a call.

If you press **MENU** , you can access the Options. For details on the Options, refer to the **Find Name** menu.

Services

Menu 2-5

You must be in digital mode to access this services. Scroll to highlight one of option among Account Info, Customer Care, Dir Assist, Prepaid SVC then press **OK**. Press **TALK** to call that service.

Roaming

Your phone allows you to control your ability to roam by using the Roaming menu option, you can determine which signals your phone accepts.

Set Mode *Menu 3-1*

Choose from three different settings on your dual-band phone to control your roaming experience.

Sprint PCS: This setting allows you to select the Sprint PCS nationalwide network only, and prevents roaming on other networks.

Automatic: This setting seeks Sprint PCS service. When Sprint PCS service is unavailable, the phone searches for an alternative system.

Analog: This setting forces the phone to seek an analog roaming system. The next time the phone is turned on, the previous setting is restored.

Call Guard *Menu 3-2*

In addition to the roaming icon, Call Guard alerts you when roaming charges apply. This feature makes it easy to manage roaming charges by reminding you when you make or receive roaming calls. Is also reguires you to take additional steps before you place or answer a roaming call. These additional steps are not required when you make or receive calls while on the network.

Yes: An extra step is required to make or take roaming calls.

No: No extra step is required to make or take roaming calls.

Calendar

The Scheduler feature enables you to:

- Keep track of important dates and events
- Create a list of things to do
- Check the time in another part of the world
- Use the phone as a calculator

Today *Menu 4-1*

You can schedule up to 9 events for the current day indicating each event's start and end time. You can even have your phone's calendar alert you before an event is to start. Events scheduled for future dates automatically appear on your Today events schedule on that day.

Scheduling an Event

1. Enter your event information. You can enter up to 32 characters.

2. Press **OK** to accept your entry.

3. Enter the Start Time and Date, and press **OK**.

Note: Press the volume key on the left side of the phone to toggle between AM and PM.

4. Enter the End Time and Date, and press **OK**.

5. Select an alarm to notify your of your event by pressing the navigation key. The available alarm options are: **10 minutes Before**, **30 minutes Before**, **1 hour Before**, **No Alarm** and **On time**.

6. Press **OK** to save your event.

Adding, Editing, or Erasing an Event

If you already scheduled events when you select the **Today** menu option (**4.1**), the events are displayed. Press the navigation key to select the event you want to view. If necessary, press **OK** to display more contents in the selected to do item.

The following options are available when you press **MENU**.

New Event: allows you to add a new event.

Edit Event: allows you to edit a scheduled event.

Erase Event: allows you to erase a selected events.

Exit: exits the Options menu.

After you select an option, press **OK**. Then follow the screen prompt.

Month View *Menu 4-2*

This option allows you to view in calendar format the current month, or a past of future month. In this option, the current date is highlighted on the calendar. Days with the scheduled events are underlined.

Creating a New Event

Scroll to the desired date in the calendar using the navigation keys and volume keys and then press to confirm the selected date. And schedule a new event referring "Today".

Adding, Editing, or Erasing a Event

When a stored memo is displayed, press **MENU** to access the **Options**.

For further details on Options, refer "Today".

Jump To Date *Menu 4-3*

This feature allows you to specify the calendar date you want to view. Once at your desired date you can enter, edit and delete events in your calendar.

1. Enter the date using the numeric keys, and press **OK**.
2. The calendar screen displays the newly entered highlighted date.
3. Pressing the **MENU** key displays the options Vew and Add new.
4. Scroll to view and press the **OK** key.

To create, edit or erase the events, refer to "Today".

To Do List *Menu 4-4*

This feature allows you to draw up a list of tasks to be done and assign a priority and deadline to each task.

Creating the To Do List Item

1. Enter the first task.

   Note: You can enter up to 32 characters. For further details on how to enter characters, see page 36.

2. Press **OK** to confirm.

3. Enter your deadline using the numeric keys.

   Note: Press the volume key on the left side of the phone to toggle between AM and PM.

4. Select high or low priority using the navigation key and then press **OK**.

5. Your phone saves your input.

Adding, Editing and Erasing an To Do Item

If tasks are already defined in the To Do List when you select the **To Do List** menu option (**5.4**), the current contents are displayed with the deadline and the associated priority (**!** for High or **-** for Low).

Scroll to the desired item by pressing the navigation key. If necessary, press **OK** to display more contents in the selected to do item.

The following options available when you press **OK** .

New Event allows you to add a new task.

Edit Event allows you to edit a saved task.

Erase Event allows you to erase the selected task.

Exit: exits the Options menu.

After you select an option, press **OK** . Then follow the screen prompt.

Countdown

Menu 4-5

This menu help you know how much time it takes you to do something, or how many months, days, hours and minutes until a specific day. You can create up to 5 Count down timers using this menu.

Creating a Count down Timer

1. Enter a name for your new Count down item and press **OK** .
2. Enter the date and time that you want to count down to or from.

   Notes:

   - Press the volume key on the left side of the phone to toggle between AM and PM.
   - You can enter the years between 1980 and 2099 for dates.

3. Press **OK** to save the item.

Adding, Editing and Erasing a Countdown Timer

If a Countdown timer is already defined when you select the **Countdown** menu option (**4.5**), the defined Countdown timer is displayed.

If there are more than one items defined in the menu, scroll to the desired item by pressing the navigation key, and press **OK** .

The following options are available when you press **OK** .

New Event: allows you to create a new item.

Edit Event: allows you to edit the item.

Erase Event: allows you to delete the item.

Exit: exits the Options menu.

After you select an option, press **OK** . Then follow the screen prompt.

Alarm Clock *Menu 4-6*

Your phone has an alarm clock function with three separate alarms.Each alarm can be set to go off once, or daily at a set programmed time. Once you set an alarm, it is easy to change it's time or to turn it off.

1. Select the alarm you want to set by pressing the navigation key. Your choices are **No repeat** or **Daily**.

2. Press the **OK** to select the desired alarm.

3. Follow the prompts to save the alarm setting of choice.

4. Press the **CLR** to return to the previous menu.

Set Time *Menu 4-7*

Your phone is equipped with a standard clock. Your phoen automatically displays the time and date when in digital mode. This same information is unavailable on the screen when your phone is our of service or in analog mode when powered up.

When the time set menu displays, enter the time using the 12 hours format and date. Use **2** for A.M. and **7** for P.M..

Messages

Voicemail *Menu 5-1*

All unanswered calls to your phone are automatically transferred to voicemail, even if you rphone is off or in use. To avoid missing any important messages, you should set up your voicemail box and personal greeting as soon as your phone is activated.

Listen : You can listen to your voicemail using this menu.
Reset : You can reset your voicemail box using this menu.

Page/Text *Menu 5-2*

Press up or down navigation key to scroll to the desired one of the messages in the list and press **OK**. The phone displays the page or text message contents. If necessary, press up or down navigation key to scan through the contents.

Erase Msg *Menu 5-3*

Using this menu option, you can erase all messages in page/text box.
You can also erase all of the messages at one time.

Voice Dial

When your phone is in digital mode, you can call up to 20 stored entries by speaking the name into the microphone. Using the Voice dialing option requires that you first record the name of the person you are calling so your phone recognize it.

Record

Menu 6-1

This option allows you to record names and register numbers for subsequent voice dialing. The phone provides voice prompts and screen displays to guide you through the recording process.

1. Say the name you want to program at the prompt. The phone stores the name as a first sample, and then prompts for the name again.

2. Respond to the prompt by repeating the name after the beep. The phone stores the name as a second sample, and then requests the phone number.

3. Enter the phone number by pressing the numeric keys.

4. To store the phone number, press **OK**. The name (if matched up to Phone Book) and number display, along with the notification **Recorded**.

Tips on Recording Name

- Avoid recording similar names phonetically. If you record a similar name to the one already in memory, the phone requests another name.
- Speak clearly and naturally.
- The person who will use the phone should record the name. The phone does not recognize the name if the voice sounds differently.
- Avoid too long or too short name. Names with two to five syllables are recommended.
- If this feature does not work properly, erase the name, and record with another name.
- It is recommended to practice several times to obtain best result.
- You can record up to 20 names. If you try to record more than 20, the phone announces 'Memory is full'.

Review

Menu 6-2

This option allows you to review voice dial entries. A list of your stored voice dial numbers display, the names also display if stored in the internal phone book.

Press the associated key to select the desired entry, or scroll to the desired entry and press **OK**. The recorded name plays audibly. You can scroll through entries without having to listen to each one, or you can listen to them all as they play in order.

Erase All

Menu 6-3

This option allows you to check or erase an individual voice dial entry. A list of entries displays.

Press the numeric key to select the desired entry, or press the navigation key to scroll to the entry and press **OK**.

When you select the desired entry, the recorded name plays, and if you do nothing, your entire voice dial list is scrolled and each entry played. When the last entry is played, the phone returns to Standby mode.

Sounds

You can use the **Sounds** menu to customize various sound settings, such as the:

- Ring volume, type, and tone
- Alert sounds
- Alarm

Ringer Volume

Menu 7-1

This option allows you to adjust the ringing volume.

Press the navigation keys or the volume keys on the left side of the phone) to adjust the volume. The more the bars, the louder the volume, and no bar means the the ringer is turned off.

In Standby mode, you can adjust the ringer volume using the volume key.

Note: During an incoming call, you can mute the ringer by pressing the volume key on the left side of the phone.

You can choose one of the ringer type among Calls, Messages or Alarm.

When you select the ringer type, you can adjust the volume with the volume or navigation key, then press **OK** to save the setting.

Ringer Type

Menu 7-2

This option allows you to set a unique ring for voice calls, messages, and alarm. Select a unique ring tone for each status. As you change it, it sounds for a few seconds.

Note: You can download 5 melodys using PC Link.

Voice Calls: allows you to set a unique ring for an incoming voice call.

Messages: allows you to have a distinctive ring for a voice mail, page, text message or browser message.

Alarm: allows you to have a distinctive ring for an alarm.

Key Beep

Menu 7-3

This option allows you to adjust the tone volume that the keypad generates when you press a key.

Press the navigation keys up or down to adjust the volume. The more the bars, the louder the volume, and no bar means the the ringer is turned off.

Tone Length

Menu 7-4

Some older phones only recognize longer tones. Therfore you may have to change the tone length for some calls. When calling a paging system, remember that your phone should be set in the normal mode.

Scroll throught between Normal and Long, and press the **OK** to save the setting.

Alerts

Menu 7-5

Minute Beep: With this menu option set to **ON**, the phone sounds an alert 10 seconds before each elapsed minute to remind you of the length of the current call.

Service : With this menu option set to **ON**, the phone beeps when you exit service area or when you return to a service area.

Connect: You can set your phone to sound the connect tone when your call is connected to the system.

Disconnect: You can set your phone to sound the connect tone when a call is disconnected or dropped.

Fade: You can set your phone to sound when it's fade.

Roam: You can set your phone to sound when it's roaming.

Privacy: You can set your phone to sound when privacy mode.

Roam Ringer

Menu 7-6

When the roam ringer option is set to on, the phone sounds an alert when:

-The phone experiences a dropped call or a failed call.
-The phone enters or leaves a service area.

Setup/Tool

Display

Menu 8-1

Idle Screen

Your phone displays graphics images when it is turned on or off. This setting is just for fun and grins so have fun with it. You have a few graphics to select from for these power on and off images.

The following options are available:

Wall Paper: You can select an image to be displayed in idle mode.

Incoming: You can select an image to be displayed when you get an incoming call.

Power On: You can select an image to be displayed when you switch the phone on.

Power Off: You can select an image to be displayed when you switch the phone off.

Backlight

You have several options for setting how the LCD backlight operates. Remember that backlight use drains your battery faster.

Always On: The backlight used always.

7 SECONDS: The backlight comes on when you press a key or receive a call and switches off 7 seconds after the last key is pressed.

15 SECONDS: The backlight comes on when you press a key or receive a call and switches off 15 seconds after the last key is pressed.

30 SECONDS: The backlight comes on when you press a key or receive a call and switches off 30 seconds after the last key is pressed.

Folder Open: The backlight comes on each time you open the phone.

Greeting

The banner option allows you to edit the banner displayed on the standby screen. It can also be used as your ID when sendign an e-mail.
Enter your banner up to 12 digits by using the alphanumeric keys. For further details on how to enter letters, refer to page 36.

Contrast

The LCD has contrast setting that can help you see the screen better in different lighting conditions.

Version

The version menu displays the current hardware/software version that is installed in your phone. This feature is helpful if you need to call customer care.

Security *Menu 8-2*

Your phone provides many security options, including a user-programmable lock code and call restriction features.

To access the security menu, you must enter a four-digit lock code. The lock code is preset to **0000** at factory.

Lock Phone

When the phone is locked, you cannot operate the phone until you enter the lock code.

The following options are available:

Unlocked: the phone remains unlocked.

Lock Now: the phone locks immediately.

On Power-Up : the phone locks automatically at the next time your phone turned on.

To unlock the phone, press **OK** and enter the lock code. The phone returns to Standby mode.

Change Lock

You can change the lock code. Enter a different lock code number. This will override your original lock code number.

Special

You can help up to three phone numbers that require your lock code to make them special. All three special nubmers can be manually dialed at any time, even when your phone is locked.

Erase Phonebook

This menu allows you to erase all the numbers in your Phonebook.

When a confirmation message displays, press **OK** to clear the memory.

Reset Phone

Resetting the phone erases all of your saved options and returns them to the factory default settings, and erases your Phone Book, Call Logs, and SMS messages.

The phone reboots (turns itself off then on), restores the default settings, and then returns to Standby mode.

Call Answer

Menu 8-3

This option allows you to have incoming mesages stored directly into the phone. When the Call Answer option is turned on, the callers message is recorded directly into memeory. This uses the voice memo memory, so the amount of time available is dependent on the available memory less any voice memos. The total talk time is 240 seconds.

On/Off: This option allows you to activate or deactivate call answering.

Config: The screen displays:

-Greeting: the greeting can be played, recorded or turned on/off from this menu.

- Screening: this menu turns the screening speaker on/off.

- Wait Time: the wait time can be set to No Ring, After 3 sec, 5 sec, or 10 sec.

Inbox: the message list is displayed.

To...	Then press the...
play the message	**OK** key
to back	**CLR**
access the options	**MENU**

The following options are available:

Info: to display detail infomation about the call
Erase: to erase the message
Erase All: to erase all messages
Talk: to call the number
Save: to save the number in the phone book

Auto Answer

Menu 8-4

With this menu option set to **ON**, the phone automatically answers calls. This option is useful while driving, for instance.

Press **OK** to toggle between Off, after 1 seconds, after 3 seconds and every 5 seconds. Press the same key to save your option.

Language

Menu 8-5

Sets the language of voice prompts, menus and key-input.

Select the desired language by pressing the navigation key.

Calculator

Menu 8-6

The calculator allows you to perform basic mathematical calculations using your phone. Addition, subtraction, multiplication and division can be performed.

Performing a simple calculations:

1. Using the keypad, enter the first number of the calculation and press the Up arrow.

2. Press the Up or Down arrow to cycle through the different mathematical signs.

3. When the desired sign is displayed, enter the second number of the calculation.

4. Press **OK** to view the results.

Game

This menu allows you to play games.

Press the navigation key to scroll the entries, and then to select the desired one.

When the game start screen is displayed, press **MENU** to get help in playing the game.

The following options are displayed:

KEY HELP : displays each key function.

GAME HELP : gives you a demo play to show how the game is played.

GAME EXIT : allows you to exit the game. You are asked to confirm. Selecting **Yes** returns to Standby mode.

Press **END** to return to the game start screen, and play the game.

KeyGuard

The key guard feauter helps avoid accedental key presses withoug blocking incoming calls or messages. Key guard is disabled when you receive an incoming call and is automatically reactivated when the call is completed.

Health and Safety Information

Exposure to Radio Frequency (RF) Signals

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on the safety standards previously set by both U.S. and international standards bodies:

- American National Standards Institute (ANSI) IEEE. C95.1-1992
- National Council on Radiation Protection and Measurement (NCRP). Report 86. 1986
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1996
- Ministry of Health (Canada), Safety Code 6.

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

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg *.

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

Tests for SAR are conducted using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operation 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 phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. (Body-worn measurements may differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure

For additional information concerning exposure to radio frequency signals, see the following websites.

Federal Communications Commission (FCC)
RF Safety program (select "Information on Human Exposure to RF Fields from Cellular and PCS Radio Transmitters"):
http://www,fcc.gov/oet/rfsafety

Cellular Telecommunications Industry Association (CTIA): http://www.wow-com.com

World Health Organization (WHO)
International Commission on Non-Ionizing Radiation Protection (select Qs & As):
http://www.who.int/emf

United Kingdom, National Radiological Protection Board. http://www.nrpb.org.uk

U.S. Food and Drug Administration (FDA)
Center for Devices and Radiological Health:
http://www.fda.gov/cdrh/consumer/

Precautions When Using Batteries

Your phone is powered by a rechargeable Li-ion standard battery.

- 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 life-time 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 back of 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-circuit.
- Dispose of used batteries in accordance with local regulations. Always recycle. Do not dispose of batteries in a fire.

Road Safety

Your wireless phone gives you the powerful ability to communicate by voice - almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless phones, on 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, if possible, 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 wireless number.

Operating Environment

Remember to follow 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 of danger.

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

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

Electronic Devices

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

Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 6 inches (15 cm) be maintained between a wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent

with the independent research by and recommendations of Wireless Technology Research.
Persons with pacemakers:

- Should always keep the phone more than 6 inches (15cm) 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 the potential for interference.
- If you have any reason to suspect that interference is taking place, switch off your phone immediately.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want 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 they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch off your phone in health care facilities when 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 off your phone in any facility where posted notices so require.

Potentially Explosive Atmospheres

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

Users are advised to switch off the phone while at a 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 upon any wireless phone for essential communications (for example, medical emergencies).

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 the <SEND> key.

If certain features are in use (keyguard, restrict calls, etc.), you may first need to turn those features off before you can make an emergency call. Consult this document and your local cellular service provider.

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

Other Important Safety Information

- Only qualified personnel should service the phone, or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty which may apply to the unit.
- 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 in vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch off your phone before boarding an aircraft. The use of wireless phones in aircraft may be dangerous to the operation of the aircraft, and may be illegal.
- Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Care and Maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you to fulfill any warranty obligations and allow you to enjoy this product for many years. When using your phone, battery, charger, or any accessory:

- Keep it and all its parts and accessories out of small children's reach.
- Keep it dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not use or store it in dusty, dirty areas as its moving parts can be damaged.
- Do not store it in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store it in cold areas. When the phone warms up (to its nomal operating temperature), moisture can form inside the phone, which may damage the phone's electronic circuit boards.
- Do not drop, knock or shake it. Rough handling can break internal circuit boards.

- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean it. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

- Do not paint it. Paint can clog the device's moving parts and prevent proper operation.

- Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications of attachments could damage the phone and may 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 neccessary, arrange for service.

Glossary

Airtime - Actual time spent talking on the wireless phone. Most carriers bill customers based on how many minutes of airtime they use each month.

Antenna - A device for transmitting or receiving signals. The size and shape of antennas is determined, in part, by the frequency of the signal they receive. Wireless phones and the base station must have antennas.

Base Station - The fixed radio transmitter/receiver that maintains communications with mobile radio telephones within a given area. (Typically called a cell or cell site)

CDMA - (Code Division Multiple Access) A spread-spectrum approach to digital transmission. With CDMA, each conversion is digitized and then tagged with a code. The mobile phone deciphers only a particular code to pick the right conversation off the air. The transmitted signal is just above noise level across the available bandwidth.

Channel - Communications signals transmit along paths called channels.

Codec - Compression & Decompression.

Deactivation - The process of rendering a wireless phone inactive.

DTMF - (Dual-tone Modulated Frequency) You send DTMF signals when you enter numbers by pressing the digit keys.

EVRC - (Enhanced Variable Rate Codec) EVRC is a new global standard for compressing and decompressing voice signals. EVRCuses a lower bit rate (the number of bits sent per second) than existing CDMA vocoders, while providing significant improvements in voice quality. This technology enables your phone to provide superb voice quality while benefiting from the ability to process more cellular voice calls using less bandwidth than the voice codecs in CDMA networks today.

Frequency - A measure based on time, as one or more waves per second, in an electrical or light wave information signal. A signal's frequency is stated in cycles-per-second or Hertz (Hz).

Hands-Free - A feature that permits a driver to use a wireless phone without lifting or holding the handset - an important safety feature for automobiles, tractors and most other motorized vehicles.

LCD - (Liquid Crystal Display) Commonly used to refer to the screen display on the wireless phone.

LED - (Light Emitting Diode) Commonly used to refer to a small light on the wireless phone or on the Desktop Charger. The LED lights on the phone to indicate an incoming call. The lights on the charger indicate that battery charging is taking place.

Prepend - The addition of a prefix, such as an area code, to a phone number.

RF - Radio Frequency

Roaming - The ability to use a wireless phone to make and receive calls in places outside of the home service area.

Service Charge - The amount paid each month to receive wireless service.

Standby Time - The amount of time a fully charged wireless portable or transportable phone can be on and idle without being in use. (See Talk Time)

Talk Time - The length of time a person can talk on a portable or transportable wireless phone without recharging the battery.

Vocoder - Voice Coder. A device used to convert speech into digital signals.

Wireless - Radio-based Systems that allow transmission of telephone or data signals through the air without a physical connection, such as a metal wire (copper) or fiber optic cable.

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