

QUAD BAND Series
SGH-A226R
Portable Digital Mobile Phone
User Manual

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



Printed in Korea

Code No.: GH68-19089A

English 07/2008, Rev. 1.0

Intellectual Property

All Intellectual Property, as defined below, owned by or which is otherwise the property of Samsung or its respective suppliers relating to the SAMSUNG Phone, including but not limited to, accessories, parts, or software relating thereto (the "Phone System"), is proprietary to Samsung and protected under federal laws, state laws, and international treaty provisions. Intellectual Property includes, but is not limited to, inventions (patentable or unpatentable), patents, trade secrets, copyrights, software, computer programs, and related documentation and other works of authorship. You may not infringe or otherwise violate the rights secured by the Intellectual Property. Moreover, you agree that you will not (and will not attempt to) modify, prepare derivative works of, reverse engineer, decompile, disassemble, or otherwise attempt to create source code from the software. No title to or ownership in the Intellectual Property is transferred to you. All applicable rights of the Intellectual Property shall remain with SAMSUNG and its suppliers.

©2008 Samsung Electronics Canada, Inc. SAMSUNG is a registered trademark of Samsung Electronics Co., Ltd. and its related entities.

Table of Contents

Using This Manual	1
Instructional Icons	1
Important Safety Precautions	2
Your Phone	4
Features of Your Phone	4
Phone Layout	4
Display	8
Selecting Functions and Options	10
Getting Started	12
SIM Card	12
Activating Your Phone	12
Switching the Phone On and Off	16
Call Functions	17
Making a Call	17
Answering a Call	18
Missed Calls	19
Silent Mode	20
Options During a Call	22
In Call Options	22
Put a Call on Hold	22
Switching the Microphone Off (Mute)	23
Using the Speakerphone	23
Muting or Sending Key Tones	23
Making a Multi-party Call	24
Sending a Sequence of DTMF Tones	25
Searching for a Number in the Contact List	25
Call Waiting	26
Access Codes	27
Phone Password	27
PIN	27
PUK	27
PIN2	28
PUK2	28

Entering Text	29
Changing the Text Input Mode	29
Using T9 Mode	30
Using Alphabet Mode	31
Using Number Mode	32
Using Symbol Mode	32
Transferring Files	33
Transferring Files via USB Cable	33
Menus	34
Menu Navigation	34
List of Menu Functions	35
Rogers Mall	36
Media	37
Ring Tunes	37
Graphics	41
Memory Status	42
Games & Apps	43
Games	43
Get New Applications	44
Call History	45
All Calls	45
Missed Calls	46
Calls Made	46
Calls Received	46
Speed Dial List	47
Delete All	48
Call Time	48
Internet	49
Accessing an Internet Site	49
Using the Internet Browser	49
Enter a URL	50
Bookmarks	51
Messages	53
Rogers IM	53
Create New Message	54

Message Folders	59
Templates	61
Voice Mail	62
Delete All	63
Messages Settings	64
Memory Status	64
Tools	65
Alarms	65
Calendar	67
Calculator	70
Tip Calculator	72
Converter	72
World Clock	73
Stopwatch	74
Timer	74
Contacts	75
Add New Contact	75
Find Contact Information by Name	78
Group	79
Speed Dial List	80
Reject List	81
My Business Card	81
Settings	83
Set Sound	83
Set Display	85
Set Time & Date	86
Set Phone	87
Set Calls	88
Set Applications	92
Security	96
Reset Settings	97
Solving Problems	99
Health and Safety Information	102
Exposure to Radio Frequency (RF) Signals	102
For Body Operation	103
Precautions When Using Batteries	104
Operating Environment	105


Electronic Devices	105
Potentially Explosive Environments	107
Emergency Calls	108
Other Important Safety Information	109
Care and Maintenance	109
FCC Notice	111
Appendix A: Certification Information (SAR)	112
Appendix B: Safe and Responsible Wireless Phone Use	114
Appendix C: Consumer Update on Wireless Phones	117
STANDARD LIMITED WARRANTY	126
Index	131

Using This Manual

This user manual has been specially designed to guide you through the functions and features of your phone. To get started quickly, refer to Your Phone, Getting Started and Call Functions.

Instructional Icons

Before you start, familiarize yourself with the following visual aids:

- *Followed by* — the order of options or menus you must select to perform a step, for example: Select **Messages** → **Create New Message** → **Text Message** means you should select **Messages** from the menu, followed by **Create New Message**, followed by **Text Message**.
- [] *Square brackets* — phone keys, for example [] represents the Power On/Power Off/End key.
- < > *Angled brackets* — phone keys that control different functions at different times ("soft keys"), for example <**Back**> represents the **Back** soft key, as indicated at the bottom of the screen.

Important Safety Precautions

Please read these guidelines before using your wireless phone. Failure to comply with them may be dangerous or illegal.

Road Safety at All Times

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

Switching Off When Refueling

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

Switching Off in Aircraft

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

Switching Off in Hospitals

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

Interference

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


Special Regulations

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 (for example, in a hospital).

Sensible Use

Use the phone only in the normal position (held to the ear).

Emergency Call

Ensure the phone is switched on and in service. Key in the emergency number for your present location, then press . You must deactivate any unnecessary features before you can make an emergency call. Give all the necessary information as accurately as possible. Do not end the call until given permission to do so.

Water Resistance

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

Accessories and Batteries

Use only Samsung-approved accessories and batteries. Use of any unauthorized accessories could damage your phone and may be dangerous.

Qualified Service

Only qualified service personnel may repair your phone.

For more detailed safety information, see “Health and Safety Information” on page 102.

Your Phone

Features of Your Phone

Your phone is lightweight, easy-to-use and offers many valuable features. The following list outlines a few of the features included in your phone.

- ◆ Instant messaging capability (IM)
- ◆ Text and multimedia messaging
- ◆ Featured applications provide alarms, calendar, calculator, tip calculator, converter, timer, stopwatch, and world clock.
- ◆ Speakerphone capability
- ◆ WAP browser

Phone Layout

Closed View of Your Phone

The following illustration shows some of the external elements of your phone.



1. **Volume Keys/Menu Navigation:** Allow you to adjust the ringer volume in standby mode, mute the ringer when receiving a call and adjust the voice volume during a call. Can also be used to move to the top or bottom of a menu screen.
2. **Headset/Adapter/USB Jack:** Allows you to connect the headset, PC connection cable (see “Transferring Files via USB Cable” on page 33), and travel adapter (see “Charging the Battery” on page 14).

Open Views of Your Phone

The following illustrations show the rest of the main elements of your phone.

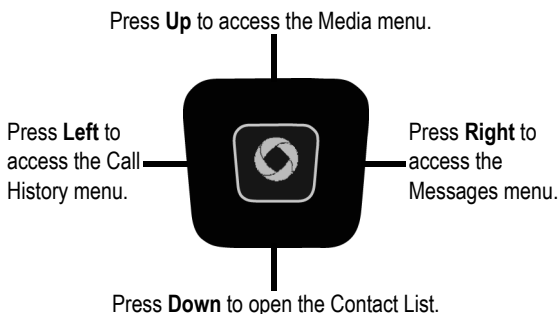
Front View






1. **Display:** This screen displays all the information needed to operate your phone.

2. **Navigation keys:** In Menu mode, the navigation keys work as directional keys to scroll through menus and lists. In Idle mode, the navigation keys work as shortcuts, allowing you to access other menus directly.

The shortcuts are:



When entering text, the left and right navigation keys move the cursor left and right.

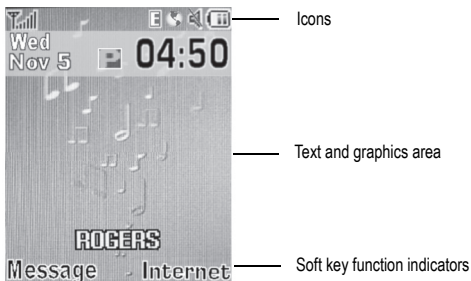
3. **Soft keys:** Perform the function indicated by text on the display directly above the key (see “Soft Keys” on page 10).
4. **Send key:** Allows you to place or receive a call. In Idle mode, press the key once to access the Call History screen. Press and hold the key to redial the most recent call.
5. **Voice Mail key:** Press and hold [] to automatically dial your voicemail.
6. **Special Function keys:** The [] key enters the [*] character for calling features, such as a pause between numbers. In text entry mode, press to change the character input type. The [] key enters the pound [#] character for calling features. In text entry mode, press to enter a space between characters. Press and hold to activate and deactivate Silent mode.

7. **Microphone:** Sensor that converts sound into an electrical signal during phone calls and voice recordings.
8. **Alphanumeric keypad:** Use these keys to enter numbers, letters, and some special characters.
9. **Clear key:** Deletes characters from the display when you are in text entry mode. When in a main menu, press to return to the previous menu. When in the Calendar, press to display Month view.
10. **Power On/Power Off/End key:** Ends a call. Press and hold for a few seconds to power your phone on or off. While in the main menu, it returns the phone to standby mode and cancels any input. Rejects an incoming call.
11. **Menu Access/Confirm/Speakerphone key:** While in Idle mode, it launches the main menu. When navigating through a menu, it accepts the highlighted choice in the menu. During a call, it turns the speakerphone function on and off.
12. **Earpiece/Speaker:** Transducer that converts electrical signal to sound so you can hear phone calls, recorded sound and music files.

Display

Display Layout

The internal display has three main areas:



Area	Description
Icons	Displays various icons that indicate phone status.
Text and graphics area	Displays messages, menus, instructions and any information that you enter, such as the number you are dialing.
Soft key function indicators	Shows the current functions assigned to the two soft keys.

Icons



Shows the received signal strength. The more bars, the stronger the signal.



Appears when a call is in progress.



Appears when there is no network coverage available.



Appears when an alarm is set. For details, see “Alarms” on page 65.



Appears when the Call Forwarding feature is active. For details, see “Call Forwarding” on page 89.



Appears when notification of a new voice mail has been received.




Appears when a new picture message has been received.



Appears when a new text message, broadcast message or push message has been received from the WAP server.



Appears at the bottom of the screen during a call to indicate that speakerphone can be accessed by pressing [].



Shows the level of your phone's battery. The more bars, the more power you have remaining.

Selecting Functions and Options

Soft Keys

There are two soft keys, left and right (see “Open Views of Your Phone” on page 5). The roles of the soft keys vary depending on the function you are currently using. The icons or labels on the bottom line of the display just above each key indicate their current role.


Some functions of the **Left soft key** are as follows.

- ◆ From the Idle screen, press to open the **Message** screen.
- ◆ In a menu mode, press to **select** the highlighted menu item.

Some functions of the **Right soft key** are as follows.


- ◆ From the Idle screen, press to access the **Internet** (for more information see “Internet” on page 49).
- ◆ When using other features, such as the web browser, it performs a context-sensitive action such as displaying the **Back** option.

Clear Key

The **Clear** key [] is used to erase or clear numbers, text, or symbols from the display. You can also use it to return to a previous menu or to return to standby mode from any menu.


- ◆ If you enter an incorrect character, press to backspace and delete the character.
- ◆ To erase an entire sentence, press and hold.
- ◆ To back up one menu level, press briefly.

End Key

The **End** key [


- ◆ Press and hold to turn on your phone.
- ◆ Briefly press once to disconnect a call.
- ◆ Press to return to standby mode from a menu or to cancel the last input.

Send Key

The **Send** key [

- ◆ Press once to answer a call.
- ◆ Enter a number and press to make a call.
- ◆ In standby mode, briefly press to display a list of all recent calls.
- ◆ Press twice in standby mode to call the most recent number.
- ◆ Press to pick up a waiting call.

Speakerphone Key

During a call, press [

Getting Started

SIM Card


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

Activating Your Phone

Activating your phone requires several steps: inserting the SIM card, charging the battery, and turning the phone on.

Removing the Battery

Note: To avoid damage, unplug the travel adapter before removing the battery from the phone.

If necessary, power-off the phone by pressing [] until the power-off image displays.

1. Press down on the battery cover and slide it off.



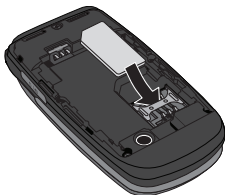
2. Lift the battery out of the phone (bottom edge first).



Installing the SIM Card

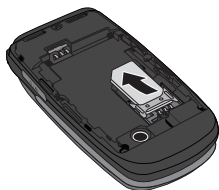
Important! The plug-in SIM card and its contacts can be easily damaged by scratches or bending. Use caution when inserting or removing the card and keep it out of reach of children.

Position the SIM card as indicated on the SIM card slot (angled corner at the outer left side), then slide the card into the slot.



Removing the SIM Card

To remove the SIM card, slide it out of the slot.



Installing the Battery

1. Align the top edge of the battery under the tabs at the top edge of the battery chamber. Press the battery down until it is seated in the battery chamber. Make sure that the battery is properly installed before replacing the cover.



2. With the battery in position in the phone, slide the cover back on the phone until it locks into position.



Charging the Battery

Your phone is powered by a rechargeable Li-ion (lithium ion) battery. Use the travel adapter to charge the battery, and use only Samsung approved batteries and chargers.

Note: Fully charge the battery before using your phone for the first time. A discharged battery recharges fully in approximately four hours. You can use the phone while the battery is charging, but this causes the phone to charge more slowly.

Warning! For connection to an electrical supply not located in North America, you must use an adapter of the proper configuration for the power outlet. Use of the wrong adapter could damage your phone and void your warranty.

1. Plug the connector of the travel adapter into the jack on the right side of the phone.




2. Plug the adapter into a standard AC wall outlet. If the phone is off, the display indicates that the phone is charging. If the phone is on, the bars in the battery icon flash to indicate charging.
3. When the phone is fully charged, the message “Battery Full” appears on the display or the bars in the battery icon stop flashing.
4. Unplug the adapter from the power outlet and disconnect it from the phone by gently pulling the connector out of the jack.

Note: To avoid damaging the phone, you must unplug the adapter before removing the battery from the phone.

Note: The phone is also charged when connected to the USB port of a PC using the USB cable.




Low Battery Indication

When only a few minutes of talk time remain, a warning tone sounds, the “Low Battery” message appears on the display and the empty battery icon

 flashes. The backlight dims to conserve the remaining battery power. When the battery level becomes too low, the phone automatically turns off. Recharge the battery to restore phone operation.


Switching the Phone On and Off

To switch the phone on:

1. Press and hold [- 2. If prompted, enter the password and press <OK> or [. For further details, see the Security option in “Set Phone” on page 87.
- 3. If prompted, enter the PIN and press <OK> or [. For further details, see the Check PIN Code section in “Set Phone” on page 87.


The phone searches for your network and, after finding it, the Idle screen appears on the display. You can now make and receive calls.

The default display language setting is **Automatic**, which is dependent on the setting in your SIM. For further details or to change the language, see the Language section in “Set Phone” on page 87.

To switch the phone off, press and hold [



Call Functions

Making a Call

From the Idle screen, enter the phone number (with area code, if necessary), then press [].




Note: When you activate the **Auto Redial** option, the phone automatically redials up to ten times when the call is not answered or someone is already on the phone. For carriers that automatically divert unanswered calls to voice mail, the Auto redial feature will not provide useful service. See the Auto Redial section in “Voice Call” on page 89 for further details.

Making an International Call

1. Press and hold []. The + character appears.
2. Enter the country code, area code and phone number, then press [].

Correcting an Entered Number

To correct one or more digits in a dialed number:

- ◆ To clear the last digit displayed, press [].
- ◆ To clear a different digit in the number, press the Left or Right navigation key until the cursor is immediately to the right of the digit to be cleared, then press [].
- ◆ To enter a missing digit, press the Left or Right navigation key until the cursor is in position and enter the digit.
- ◆ To clear the whole display, press and hold [].





Ending a Call

When you want to end your call, briefly press [] or close the phone.

Redialing a Recent Number

All incoming, outgoing and missed calls are listed in the Call History menu. If the number or caller is listed in your Contact List, the name associated with the number also displays.

To redial a number:

1. From the Idle Screen, press the Left navigation key or [] to directly access the Call History menu, or select [] → **Call History**.
2. Scroll to the required option (**All Calls**, **Missed Calls**, **Calls Made**, or **Calls Received**) and press [].
3. Highlight the number you want to call.
4. Press [] to dial the number.


Making a Call from the Contacts List


You can store phone numbers that you use regularly in the SIM card or the phone's memory. These entries are collectively grouped in the **Contacts** menu (see "Contacts" on page 75 for more information).

Answering a Call


When a call is received, the phone rings and displays the caller's phone number. If the number is associated with an entry in your Contact List, the contact's Display Name is displayed. If your phone service includes "call display" and the caller can be identified, the caller's name is displayed.

To answer a call:

1. Open the phone and press [] or <**Accept**>.

If the **Any Key** option in the **Call Answer** menu is activated, you can press any key to answer a call except [] and <**Reject**>. If the **Flip Open** option in the **Call Answer** menu is activated, you can answer


the call simply by opening the phone. See the Call Answer section in “General” on page 88 for more information.

2. End the call by pressing [.

Note: You can answer a call while using the Contact list or menu features. After ending the call, the phone returns to the menu screen you were using.

Missed Calls

Whenever you miss one or more calls, the number of calls missed and the date, time and name (if known) of the last caller are displayed on the Idle screen.

To scroll through the list, press the Up or Down navigation key. To call a number, scroll to the number and press [.


Missed Calls List

To access a list of missed calls from the Idle screen:

1. Press [] and select **Call History** → **Missed Calls**.
2. Press <**Select**> or [.

Viewing the Details of Missed Calls

To view the details of a missed call:

1. Open the Missed Calls list (see above).
2. Scroll to the call you want to view and press [] or <**Options**> and select **Details**.

Calling Back a Missed Call

To call back a missed call number:

1. Open the Missed Calls list (see above).

2. Scroll to the call you want to return, press **<Options>** and select **Call Back**.

Sending a Message to a Missed Call

To send a text or picture message to a missed call number:

1. Open the Missed Calls list (see above).
2. Scroll to the call you want to return, press **<Options>** and select **Send Message** → **Text Message** or **Picture Message**.

For more information on sending messages, see “Create and Send a Text Message” on page 54 or “Create and Send a Picture Message” on page 56.

Deleting Missed Calls



To delete one or more records of missed calls:


1. Open the Missed Calls list (see above).
2. If you want to delete one call, highlight the number you wish to delete and press **<Options>**. If you want to delete all calls, press **<Options>**.
3. Select **<Delete>**.
4. To delete one call, select **Selected**. To delete all calls, select **All**. Press **<Yes>** to confirm the deletion.

Silent Mode

The Silent sound mode prevents the phone from making any sounds. There are two choices for silent call alerts, Mute (the phone gives only visual indication when a call is received) or Vibration (the phone vibrates and provides visual indication). For instructions on selecting Silent mode, see “Set Sound” on page 83.

Your phone also provides a quick method for entering the Silent mode:

- ◆ From the Idle screen, press and hold [] until the “Silent Mode Activated” message and the Silent Mode icon  displays.

- ◆ To deactivate Silent Mode, press and hold [ disappears.

Options During a Call

Your phone provides a number of features that you can use during a call.

In Call Options

During a call, press **<Options>** to access the following:

- ◆ **Hold:** Places the call on hold.
- ◆ **New Call:** Places the current call on hold and allows you to enter and dial another number.
- ◆ **Contact List:** Accesses your Contact List.
- ◆ **Message:** Allows you to access Create Text Message or messages saved in My Messages.
- ◆ **Calendar:** Launches the calendar and lets you create events.
- ◆ **Mute Keypad Tone:** Silences the key tones when on the call.
- ◆ **Send DTMF:** Sends a sequence of DTMF tones to the caller (see “Sending a Sequence of DTMF Tones” on page 25).

Put a Call on Hold



You can place the current call on hold at any time. You can also make another call while you have a call in progress.

To put a call on hold:

1. While on a call, press **<Options>** and select **Hold**. The call is placed on hold.
2. You can reactivate the call by pressing **<Resume>**.

To make a call while you have a call in progress:

1. While on a call, press **<Options>** and select **New Call**.

2. Enter the new number and press [] to dial the second call.
3. To switch between the two calls, changing the one on hold to active and placing the other on hold, press <Options> and select **Swap**.
4. To finish, end each call by pressing [].

Switching the Microphone Off (Mute)



You can temporarily switch your phone's microphone off so that the other person on the call cannot hear you. For example, you might wish to speak to another person in the room without the person on the call hearing you.

To switch the microphone off, press <Mute>. The soft key indicator changes to Unmute and the person on the call can no longer hear you.

To switch the microphone back on, press <Unmute>. The other person on the call can hear you again.

Using the Speakerphone

The speakerphone lets people near the phone participate in a call by broadcasting the voice or voices of those on the other end of the line and using the microphone to capture the voices of everyone near the phone.

To use the speakerphone function during a call, press []. Press [] to toggle the speakerphone off. Use the volume keys to adjust the volume.

Muting or Sending Key Tones

This option allows you to turn the key tones off or on. If you press <Options> and select **Mute Keypad Tone**, your phone does not transmit the DTMF (Dual Tone Multi-Frequency) tones produced by the numeric keys during a call. This allows you to use the keypad without hearing annoying key tones.


Note: To communicate with answering machines or computerized telephone systems, the **Send Keypad Tone** option must be selected.

Making a Multi-party Call

Multi-party calling is a network service that allows up to six people to take part simultaneously in a multi-party or “conference” call.

Note: Please contact your service provider to determine if multi-party calling is supported.


To set up the multi-party call:

1. Call the first participant in the normal manner (see “Making a Call” on page 17).
2. To call another participant, press **<Options>** and select **New Call**. Enter the new number and press  to dial the second call.
3. To add this person to the call, press **<Options>** and select **Join**.
4. To continue adding people to the call, repeat steps 2 and 3 above.
You can also add incoming callers by answering the call, pressing **<Options>**, and selecting **Join**.

To have a private conversation with one participant:


1. Press **<Options>** and select **Split**.
2. Select the number of the person you wish to talk with.
3. You can now talk privately to that person. The other participants can still converse with each other.
4. To return to the multi-party call, press **<Options>** and select **Join**.
5. All the call participants can now hear each other.

To drop a participant:

1. Press **<Options>** and select **Remove**. Highlight a participant you wish to drop and press [].
2. Repeat step 1 as necessary.

The calls to the selected participant(s) are ended but you can continue to talk to the others.


To end the call:

When you want to end a multi-party call, press [].

Sending a Sequence of DTMF Tones


Your phone normally sends a DTMF (Dual Tone Multi-Frequency) tone each time a numeric key is pressed, but you can also choose to send a sequence of tones all at once, after you enter the entire number. This option is sometimes useful, for example, when entering an account number when you call an automated system like a banking service.

To send DTMF tones:

1. Press **<Options>** and select **Send DTMF**.
2. Enter the numbers you want to send and press **<OK>** or [].

Searching for a Number in the Contact List

You can search for a number in the Contact List during a call.



1. Press **<Options>** and select **Contact List**.
2. Begin entering the letters of the name. As you type, the first entry that matches the entered letters is highlighted. To select a different contact, scroll up or down until the entry you want is highlighted.
3. Press [] to open the contact information.

For further information on using the Contact list feature, see “Contacts” on page 75.

Call Waiting

Call Waiting lets you answer an incoming call while you have a call in progress, if your network supports this service and you have set the Call Waiting-Voice Call option to Activate. For information on changing Call Waiting settings see “Call Waiting” on page 91.

To answer a call while you have a call in progress:

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

To end the call on hold, press <**Options**> and select **End Held Call**.

Access Codes

There are several access codes used by your phone and its SIM card. These codes help protect the phone against unauthorized use.

When requested to enter any of the codes, enter the code and press **<Select>**.

Except for the PUK and PUK2 codes, access codes can be changed using the Security menu (see “Security” on page 96).

Important! Avoid using access codes that are similar to emergency numbers, such as 911, to prevent accidentally dialing an emergency number.

Phone Password

The Phone Lock feature allows you to set a password to protect your phone against unauthorized use. For instructions, see “Security” on page 96.

PIN

A 4 to 8-digit PIN (Personal Identification Number) protects your SIM card against unauthorized use. It is usually supplied with the card.

If you enter an incorrect PIN three times in succession, the code is disabled and cannot be used until you re-enable it by entering the PUK (see below). For instructions on activating or deactivating the PIN Check feature and changing the PIN, see “Security” on page 96.

PUK

The 8-digit PUK (PIN Unlocking Key) is required to change a disabled PIN. If a PUK was not supplied with your SIM card, contact your service provider.

To re-enable your PIN:

1. Enter the PUK and press **<OK>**.
2. Enter a new PIN of your choice and press **<OK>**.
3. When the **Confirm New PIN** message displays, enter the same code again and press **<OK>**.

If you enter an incorrect PUK ten times in succession, the SIM card becomes invalid. Contact your service provider for a new card.

PIN2

A 4 to 8-digit PIN2 is supplied with some SIM cards to allow access to specific functions supported by those cards.

If you enter an incorrect PIN2 three times in succession, the code is disabled and you cannot access the functions until you re-enable it by entering the PUK2.

To change the PIN2, see “Security” on page 96.

PUK2

An 8-digit PUK2 (PIN Unblocking Key 2) is required to change a disabled PIN2. If a PUK was not supplied with your SIM card, contact your service provider.

To re-enable your PIN2:

1. Enter the PUK2 and press **<OK>**.
2. Enter a new PIN2 of your choice and press **<OK>**.
3. When the **Confirm New PIN2** message displays, enter the same code again and press **<OK>**.

If you enter an incorrect PUK2 ten times in succession, the SIM card becomes invalid. Contact your service provider for a new card.

Entering Text

This section explains the various text input modes for entering characters into your phone. It also describes how to use the T9 predictive text entry system to reduce the number of key strokes required for entering text.










Your phone has the following text input modes:

- ◆ **Alphabet modes (ABC, abc, Abc):** Lets you enter letters by pressing a letter key multiple times until the desired character displays. You can select all upper case, all lower case, or initial capital format.
- ◆ **T9 Input modes (T9ab, T9Ab, T9AB):** Lets you enter words with one keystroke per letter by comparing keystrokes to a linguistic dictionary to determine the word.
- ◆ **Number mode:** Allows you to enter series of numbers.
- ◆ **Symbol mode:** Allows you to enter symbols and special characters.

Changing the Text Input Mode

When you are in a field that allows characters to be entered, you will see the text input mode indicator near the top right corner of the display.

To change the text input mode:

- ◆ Press and hold [] to switch between T9 and Alphabet modes.
- ◆ Press [,  **Abc**],  **ABC**],  **abc**], and  **123**] modes.
- ◆ To access the Symbol  **SYM** mode, press and hold [].
- ◆ You can also access any of the input modes by pressing <**Options**> and selecting **Input Mode**. Select the desired input method and case, then press <**Select**> or [].

Using T9 Mode

T9 is a predictive text input mode based on a built-in dictionary that allows you to key in characters using a single keystroke. Your phone selects the most likely word based on your keystroke combinations.

To enter a word in T9 mode:

1. Start entering a word by pressing the numeric keys. Press each key only once for each letter.

Example: To enter “HELLO”, press

[4^{GH}], [3^{DEF}], [5^{JKL}], [5^{JKL}] and [6^{MNO}].

As you type, the characters on the screen change as the built-in dictionary matches your keystrokes to commonly used words. Enter all letters in the word without editing or deleting the keystrokes.

2. If the word displayed is not correct, press [□+] to display an alternative choice. Continue until the correct word displays or no choices remain, at which time you can add the word to the phone’s dictionary (see below).
3. Press [⌘] to insert a space then start entering the next word.

To add a new word to the T9 dictionary:

1. When you press [□+] on the last alternative word available, the left soft key changes to **Spell**. Press <Spell> and enter the word you want.
 - ◆ To enter a punctuation mark (period, hyphen, colon, apostrophe, etc.), use the Symbol mode (see below).
 - ◆ To shift case, use [✱↑] to toggle between Initial Capital, Upper Case, Lower Case and Numeric modes.
 - ◆ You can move the cursor using the Left and Right navigation keys.
 - ◆ To delete letters, press [←]. Press and hold [←] to clear the display.
2. Press <Add>. The word is added to the T9 dictionary and becomes the first word for the associated key presses.

Using Alphabet Mode

In Alphabet mode you use the 0 to 9 keys to enter your text.



1. Press the key labeled with the letter you want:
 - ◆ Once to enter the first letter on the key
 - ◆ Twice in quick succession for the second letter
 - ◆ Three times in quick succession for the third letter
 - ◆ Four times in quick succession for the fourth letter
2. Select additional letters in the same way.

Note: The cursor moves to the right when you press a different key. To enter the same letter twice or a different letter on the same key, wait for the cursor to move to the right.

The following table shows the characters available for each key:

	. , ' - ? ! @ : / 1
	A B C 2 a b c 2
	D E F 3 d e f 3
	G H I 4 g h i 4
	J K L 5 j k l 5
	M N O 6 m n o 6
	P Q R S 7 p q r s 7
	T U V 8 t u v 8
	W X Y Z 9 w x y z 9
	+ = < > € £ \$ % & ¥ ¢ 0
	Space


- ◆ To shift the case, press [].
- ◆ Move the cursor using the Left and Right navigation keys.


- ◆ To delete letters, press [].
- ◆ To clear the display, press and hold [].

Using Number Mode

Number mode lets you enter numbers into a text message. Press the keypad keys corresponding to the digits you want to enter.

Using Symbol Mode

Symbol mode lets you insert symbols and punctuation marks into text. Press and hold [] to access Symbol mode.

To	Press the
select a symbol group	navigation keys
select a symbol	corresponding number key adjacent to the symbol
clear an entry	
insert the symbol(s) into your message	<OK>
cancel your input and return to the previous mode	<Cancel>

Transferring Files

You can transfer graphics and audio files between your phone and a personal computer using a USB cable.

Transferring Files via USB Cable

Between PC and Phone Using PC Studio 3

File transfer between your phone and a PC using Samsung's PC Studio 3 software (included with your phone) requires a PC with available USB port, installation of PC Studio 3 on the PC, and a USB cable.

Note: For more information on Samsung PC Studio 3, consult the online help provided with the PC Studio 3 software.

1. Start the PC Studio 3 software.
-

Note: The first time you start the PC Studio 3 software, a connection wizard appears that leads you through the process of setting up your phone connection.



2. Connect the USB cable to a USB port on your PC and to your phone.
 - ◆ The status message at the bottom right of the PC Studio screen changes from **Not Connected** to **SGH-A226 Connected**.
3. In the PC Studio program, select **Phone Explorer**. The Phone Explorer window appears. It displays the folders on your phone at the top left of the screen, folders on your PC at the bottom left and contents of the highlighted folder on the right side.
4. Using Phone Explorer, navigate to the folder(s) containing the files you wish to transfer. You can drag and drop files between computer and your phone.

Menus




This section explains the menu navigation for your phone. It also includes an outline of all the available menus associated with your phone. Some menu options are controlled by the SIM provided by your service provider.

Menu Navigation

The navigation keys on your phone allow you to scroll through menus quickly and easily. The scroll bar at the right of the menu keeps track of your position in the menu at all times.

- ◆ To access menus from the Idle screen, press [.
- ◆ To navigate through a menu, press the up or down navigation key. Press [**Volume**] (located on the left side of your phone) to move to the top or bottom of the displayed list.
- ◆ As you navigate through a menu, menu options are highlighted. To select the highlighted item, press <**Select**> or []. You can also select numbered options by pressing the corresponding keypad number.

Note: When you access a list of options, your phone highlights the current option. If, there are only two options, however, such as **On/Off** or **Enable/Disable**, your phone highlights the option that is not currently active.

- ◆ If Pop Up List Menu is set to On (see “Set Display” on page 85), submenus display below a highlighted menu item. Press either the Right navigation key or [] to access the submenu.
- ◆ To return to the previous level, press <**Back**> or [.
- ◆ To exit the menu and return to the Idle screen, press [.

List of Menu Functions

The menu structure is as follows:

1. Rogers Mall

2. Media

1. Ring Tunes
2. Graphics
3. Memory Status

3. Games & Apps

1. Get New Games
2. Get New Applications

4. Call History

1. All Calls
2. Missed Calls
3. Calls Made
4. Calls Received
5. Speed Dial List
6. Delete All
7. Call Time

5. Internet

6. Messages

1. Rogers IM
2. Create New Message
3. Inbox
4. Sent
5. Outbox
6. Drafts
7. My Folder
8. Templates
9. Voice Mail
10. Delete All
11. Messages Settings
12. Memory Status

7. Tools

1. Alarms
2. Calendar
3. Calculator
4. Tip Calculator
5. Converter
6. World Clock
7. Stopwatch
8. Timer

8. Contacts

1. Contact List
2. Add New Contact
3. Group
4. Speed Dial List
5. Reject List
6. My Business Card
7. Own Number
8. FDN List
9. Management
10. Service Number

9. Settings

1. Set Sound
2. Set Display
3. Set Time & Date
4. Set Phone
5. Set Calls
6. Set Applications
7. Security
8. Reset Settings
9. Memory Status

Rogers Mall

This menu selection (**Menu 1**) opens the Internet Browser and automatically accesses the Rogers Mall home page. You can also view other Internet sites, view sites saved as Bookmarks, create Bookmarks, or clear your cache.

For more information on using the Internet Browser, see “Internet” on page 49.

Media


The Media menu (**Menu 2**) is used to manage your media files (ring tunes and graphics) and access the audio recorder.

Ring Tunes

You can download ring tunes using the Internet browser and record audio clips. You can also manage your ring tunes and audio clips.

Get New Ring Tunes


This option allows you to download ring tunes from your service provider.

1. From the Idle screen, press [Media → **Ring Tunes** → **Get New Ring Tunes**. The browser launches and opens the Get Music & Tones screen.
2. Follow the on-screen options to select and download a file.


Press <**Menu**> to access browser options (see “Using the Internet Browser” on page 49).


Downloaded Ring Tunes

This menu allows you to select audio clips that you have downloaded, play them, and assign them as a ring tune or alarm.

1. From the Idle screen, press [Media → **Ring Tunes** → **Downloaded Ring Tunes**.
2. Select the desired ring tune and press <**Options**>.
3. To play the tune, select **Play**.


To use the tune as the phone's ring tune, select **Set as** → **Ring Tune**, then press <**Yes**> to confirm the choice.

To use the tune as a caller ring tune, select **Set as** → **Caller Ring Tune**. Highlight the desired contact and press [] or press <Options> and select **Select** to save.


To use the tune as an alarm sound, select **Set as** → **Alarm Tone**. Select an alarm option (Wake-up alarm, Alarm 1, Alarm 2). Program the alarm options (see “Alarms” on page 65) then press <Save> or [] to confirm the choice.


Default Ring Tunes

The Default Ring Tunes menu lists the ring tunes that came with your phone. You can play them and assign them as a ring tune, caller ring tune or alarm tone.

1. From the Idle screen, press [] and select **Media** → **Ring Tunes** → **Default Ring Tunes**.
2. Highlight the desired ring tune and press <Options>.
3. To play the tune, select **Play**.

To use the tune as the phone's ring tune, select **Set as** → **Ring Tune**, then press <Yes> to confirm the choice.

To use the tune as a caller ring tune, select **Set as** → **Caller Ring Tune**. Highlight the desired contact and press [] or press <Options> and select **Select** to save.

To use the tune as an alarm sound, select **Set as** → **Alarm Tone**. Select an alarm option (Wake-up alarm, Alarm 1, Alarm 2). Program the alarm options (see “Alarms” on page 65) then press <Save> or [] to confirm the choice.

Ring Tunes Options





The following options are available when you press <Options> with a ring tune highlighted. The availability of some of these options depends on the highlighted (selected) file:

- ◆ **Play:** Plays the currently selected ring tune.
- ◆ **Set as:** Lets you set the selected ring tune as your Ring Tune, a Caller Ring Tune or Alarm Tone.


Record Audio

Record Audio allows you to record audio clips such as voice memos and send audio clips to other people.


To create an audio recording:

1. From the Idle screen, press [>] and select **Media** → **Ring Tunes** → **Record Audio**.
2. To begin recording, press [].
3. To pause the recording, press []. To save the file press <**Save**>.
4. To play back the recording, press [].


Using Record Audio Options

Before recording, you can access various options by pressing <**Options**>. To execute an option, select it and press <**Select**> or []. The following options are available:

- ◆ **Record:** Immediately begins recording an audio clip.
- ◆ **Go to Recorded Audio:** Takes you to the Recorded Audio folder where recorded audio clips are stored.
- ◆ **Settings:** Allows you to select the maximum Recording Time (1 Hour or Limit for Multimedia Message), Volume and Default Name for recorded files.

After saving a recorded file you can access various options by pressing <**Options**>. To execute an option, highlight it and press <**Select**> or []. The following options are available:

- ◆ **Send via Multimedia Message:** Lets you send the selected file to a recipient in a picture message.


- ◆ **Set as Alarm Tone:** Lets you use the recording as an alarm. Select an alarm option (Wake-up Alarm, Alarm 1, Alarm 2). Program the alarm options (see “Alarms” on page 65) then press <Save> or [] to confirm the choice.
- ◆ **Delete:** Lets you delete the recorded file.
- ◆ **Rename:** Lets you specify a unique name for the audio file. Otherwise, the default naming convention is used. Note that you can also change the default naming convention (see “Record Audio Settings” on page 95).
- ◆ **Lock/Unlock:** Locking prevents the file from being accidentally deleted.
- ◆ **Properties:** Displays the properties of the currently selected file (Name, Date, Format, Length, Size, Lock/Unlock).

Recorded Audio

The Recorded Audio menu accesses the Recorded Audio folder where the audio files that you created with the built-in recorder are stored.

Recorded Audio Options

Highlight an audio file in the Recorded Audio folder and press <Options> to select one of the following options. The availability of some of these options depends on the highlighted (selected) file:

- ◆ **Play:** Plays the currently selected audio file.
- ◆ **Send via Multimedia Message:** Lets you send the selected file to a recipient in a picture message.
- ◆ **Set as Alarm Tone:** Lets you use the recording as an alarm. Select an alarm option (Wake-up Alarm, Alarm 1, Alarm 2). Program the alarm options (see “Alarms” on page 65) then press <Save> or [] to confirm the choice.
- ◆ **Delete:** Lets you delete the selected file or multiple files.
- ◆ **Rename:** Lets you change the name of the selected file.
- ◆ **Lock/Unlock:** Locking prevents the file from being accidentally deleted.


- ◆ **Properties:** Displays the properties of the currently selected file (Name, Date, Format, Length, Size, Lock/Unlock).

Graphics

This menu contains your collections of provided and downloaded pictures. You can also download pictures and select a picture to be displayed as wallpaper.


Get New Graphics

The Get New Graphics option allows you to download images from your service provider.

1. From the Idle screen, press [

Downloaded Graphics

This menu allows you to select graphics files that you have downloaded, view them, and assign them as wallpaper or a caller ID image.

1. From the Idle screen, press [


Graphics Options

The following options are available when you press <**Options**> with an image file highlighted. The availability of some of these options depends on the menu you are in and the type of file:

- ◆ **View:** Displays the image.
- ◆ **Display Mode:** Chooses whether to display images in Line View or Thumbnail View.
- ◆ **Set as:** Allows you to set the image as wallpaper or assign it to a Caller ID.
- ◆ **Delete:** Lets you delete the selected file or multiple files.
- ◆ **Rename:** Lets you change the name of the selected file.
- ◆ **Slide Show:** Consecutively displays all images in the folder. Select **1 Second** or **3 Seconds** for the time interval between slides.
- ◆ **Lock/Unlock:** Lets you lock the file and unlock it when necessary. Locking files prevents accidental deletion.
- ◆ **Properties:** Displays all the properties of the currently selected file.


Default Wallpaper

The Default Wallpapers menu lists all the standard wallpapers that come with your phone. Use the Left and Right navigation keys to scroll to the desired image and press **<Save>**.

1. From the Idle screen, press [

Memory Status

The Memory Status menu allows you to view the memory usage and available space in your phone. It displays the total memory used and available as well as the memory usage for each storage folder.

1. From the Idle screen, press [

Media
42


Games & Apps

Using the Games & Apps menu (**Menu 3**) you can play games already stored on your phone, as well as download games and other applications from your service provider.

Games

Get New Games

This selection allows you to download games from your service provider.

1. From the Idle screen, press [

Press <**Menu**> to access browser options (see “Using the Internet Browser” on page 49).



Game Options

When a game is highlighted in the **Games & Apps** screen, you can access the following options by pressing <**Options**>:



- ◆ **Start:** Starts the game.
- ◆ **Delete:** Lets you delete the selected game.
- ◆ **Lock/Unlock:** Allows you to lock the file to protect it from getting deleted.
- ◆ **Properties:** Displays the properties of the selected game, including Size, Version, Vendor, and Advanced.
- ◆ **Network Settings:** Allows you to view and change network settings (APN, Login ID, Password and Proxy).

Play a Game

To play a game:


1. From the Idle screen, press [Games & Apps.
2. Scroll to the game you want to play and press [Start.
3. The game's welcome screen displays information about the game. Follow the on-screen instructions to play the game.

Game Controls

While playing a game, to	Press the
adjust the sound volume	Volume keys up and down
exit the game	 key
highlight an option in a list	Navigation keys
select an option	 key

Get New Applications

This selection allows you to download applications from your service provider.

1. From the Idle screen, press [Games & Apps → **Get New Applications**.
2. Follow the on-screen options to select and download a file.

Press <Menu> to access browser options (see “Using the Internet Browser” on page 49).

Call History




In this menu (**Menu 4**), you can:



- ◆ View details of calls you missed, received or dialed
- ◆ Check your voice mail
- ◆ Add phone numbers from your call history to Speed Dial
- ◆ View the length of calls made and received


While in any of the call lists, press **<Options>** to access the following functions:

- ◆ **Details:** View call details (phone number, date and time of call).
- ◆ **Call Back:** Calls the highlighted number.
- ◆ **Save to Contacts:** Saves the number to your Contact List.
- ◆ **Send Message:** Lets you send a Text Message or Picture Message to the caller.
- ◆ **Delete:** Lets you delete the selected call or all calls from the list.
- ◆ **Add to Reject List:** Adds the phone number the selected call was made from to the Reject List. To view and configure your reject list, see “Reject List” on page 81.
- ◆ **View Contact Details:** Lets you view contact details of the selected call if the contact exists in Contact List.

All Calls



This menu (Menu 4.1) lets you view a list of calls made and received, including missed calls. Icons at the left of each listing indicate whether the call was made () , received () or missed () .

1. From the Idle screen, press [] and select **Call History** → **All Calls**.
2. Scroll through the list and press [] or **<Options>** and select **Details** to view call details, including number, time and date.

Note: You can access the most recent numbers in All Calls by pressing [] in Idle mode.



Missed Calls

This menu (Menu 4.2) lets you view a list of calls you received but did not answer.

1. From the Idle screen, press [] and select **Call History** → **Missed Calls**.
2. Scroll through the list and press [] or **<Options>** and select **Details** to view call details. The number is displayed along with the time and date when the call was made.



Calls Made

This menu (Menu 4.3) lets you view a list of the numbers you dialed.

1. From the Idle screen, press [] and select **Call History** → **Calls Made**.
2. Scroll through the list and press [] or **<Options>** and select **Details** to view call details. The number is displayed along with the time and date when the call was made.

Calls Received

This menu (Menu 4.4) lets you view a list of calls you answered.



1. From the Idle screen, press [] and select **Call History** → **Calls Received**.
2. Scroll through the list and press [] or **<Options>** and select **Details** to view call details. The number is displayed along with the time and date when the call was made.

Speed Dial List

Using Speed Dial (Menu 4.5), you can assign up to eight phone numbers from your Contact List to number keys 2 to 9 and dial them whenever you want simply by pressing and holding the associated number key.

Note: Speed dial key 1 is reserved for your Voice Mail server number.

To add a speed dial entry:

1. From the Idle screen, press [>] and select **Call History** → **Speed Dial List**. A virtual representation of your keypad appears on-screen with existing speed dial entries shown within their associated key.
2. Highlight the keypad number you want to associate with a speed dial number, press <**Options**> and select **Add**.
3. Select either **Contact** or **FDN Contact** to choose an entry (Fixed Dial Number mode, if enabled, restricts outgoing calls to phone numbers stored in the FDN List).
4. Highlight an entry from the list and press [>] or <**Options**> and select **Select**. The virtual keypad reappears with the new speed dial entry appearing in its associated key.

When an existing Speed Dial entry is highlighted, the following options are available by pressing <**Options**>:



- ◆ **View:** Allows you to view the number assigned to the key. You can dial the number by pressing the key.
- ◆ **Change:** Allows you to assign a different number to the key.
- ◆ **Remove:** Allows you to clear the setting so that no number is assigned to the key.

Using Speed Dial

From Idle mode, you can speed-dial the numbers assigned to numeric keys 2 to 9 by pressing and holding the key until the phone begins dialing.

Delete All


This menu (Menu 4.6) allows you to delete all of the records in one or more call record types.

1. From the Idle screen, press [>] and select **Call History** → **Delete All**.
2. Highlight the type(s) of records you want to delete and press [>] to enter a check mark in the selection box at the left side.
3. Press <**Delete**> and when a message displays asking you to confirm the deletion, press <**Yes**> to confirm.

Call Time

This menu (Menu 4.7) lets you view the timers for voice calls you made and received.

Note: The actual time invoiced for calls by your service provider may vary, depending on network features, rounding-off for billing purposes, etc.

From the Idle screen, press [>] and select **Call History** → **Call Time**.

The following timers are available:

- ◆ **Last Call Time:** Length of the last voice call.
- ◆ **Total Sent:** Total length of all calls made from this phone.
- ◆ **Total Received:** Total length of all calls received on this phone.
- ◆ **Total Time:** Total length of all calls made and received on this phone.

To reset a timer, press [>] or <**Reset**>. When “Are You Sure?” appears press <**Yes**>. Enter the phone password and press <**OK**> or [>].

Internet

This menu selection (**Menu 5**) opens the Internet Browser and automatically accesses the Rogers Mall home page. You can also view other Internet sites, view sites saved as Bookmarks, create Bookmarks, or clear your cache.




Accessing an Internet Site

There are three ways to access an Internet site:

- ◆ Select a link on the screen
- ◆ Enter the Web address directly on the phone screen (see Go to URL in “Browser Options” on page 50).
- ◆ Select a bookmark in the Bookmarks list (see “Bookmarks” on page 51).

Using the Internet Browser

While using the Internet Browser, the following navigational controls are available:


To	Press the
scroll through and select browser items	Up or Down navigation keys until the item is highlighted, then press [] to confirm
select a numbered item	corresponding numeric key
return to the previous page	press <Menu> or <Options> and select Back , or press []
return to the startup homepage	press <Menu> and select Home
exit the browser	press [] and then <Yes> to confirm

Entering Text in the Internet Browser

When you are prompted to enter text, the current text input mode is indicated at the upper right side of the screen. See “Entering Text” on page 29 for more information.

Browser Options


While using the Browser, press <Menu> to access the following functions:

- ◆ **Go to URL:** Opens a WAP page where you can enter a URL and access the associated Web site. Enter the URL, highlight **go** and press []. The page opens.
- ◆ **Go to Bookmarks:** Shows your Bookmarks list (see “Bookmarks” on page 51 for more information on using Bookmarks).
- ◆ **Go to Messages:** Accesses the Messages menu.
- ◆ **Go to Media:** Accesses the Media menu.
- ◆ **Home:** Returns the browser to the Rogers Mall home page.
- ◆ **Back:** Reloads the previously viewed page.
- ◆ **Show URL:** Displays the URL of the currently displayed Web page.
- ◆ **Reload:** Reloads the current page.
- ◆ **Clear Cache:** Deletes information stored in the phone’s memory cache (temporary memory where recently accessed web pages are stored).

Enter a URL

To directly enter a Web address and access the associated Web site:


1. From the Idle screen, press [>] and select <Internet>. The Rogers Mall home page opens.
2. Press <Menu> and select **Go To URL**.
3. Enter the name of the Web site you want to access (see “Entering Text” on page 29 for text entry instructions).

4. Highlight the **go** button and press []. The site opens.

Bookmarks

Bookmarks let you directly access your favorite Internet sites.

Go to Bookmarks


1. With the browser open, press <**Menu**> and select **Go to Bookmarks**.
2. Scroll to the bookmark you want to access and press [] or press <**Options**> and select **GO**.

While in the Bookmarks menu, press <**Options**> for the following choices:

- ◆ **GO**: Accesses the bookmarked page.
- ◆ **Edit**: Lets you edit the title and/or URL of the selected favorite.
- ◆ **Overwrite**: Lets you change the name and/or URL of the selected bookmark.
- ◆ **Send via**: Sends the URL of the current page via a text message.
- ◆ **Delete**: Removes the selected bookmark or all bookmarks.

Store a Bookmark

Use the following procedure to store a URL in you Bookmarks list.


1. With the Browser open, press <**Menu**> and select **Go to Bookmarks**.
2. Scroll to an **Empty** location and press <**Add New**> or []. The Bookmark screen opens and displays the Name and URL of the displayed Web page.

To change the name or URL of the bookmark, highlight the entry and edit the text as required.

3. Press <**Options**> and select **Save**.


Edit a Bookmark

Use the following procedure to edit the name or URL of a Bookmark stored in your Bookmarks list:


1. Open your Bookmarks list (see above).
2. Choose the Bookmark you want to change, press <**Options**> and select **Edit**.
3. Change the Name and URL as required.
4. Press [] or <**Options**> and select **Save** to save the changes.

Deleting Bookmarks

Use the following procedure to delete a bookmark from your list:

1. Open your Bookmarks list (see above) and choose the Bookmark you want to delete.
2. Press <**Options**> and select **Delete** → **Selected**.
3. Press <**Yes**> or [] to confirm the deletion.

To delete all bookmarks:

1. Open your Bookmarks list (see above).
2. Press <**Options**> and select **Delete** → **All**.
3. Press <**Yes**> or [] to confirm the deletion.

Messages

From the Messages menu (**Menu 6**), you can send and receive a range of different message types from your mobile phone, including:


- ◆ **Instant Message:** Rogers IM lets you send and receive instant messages using Windows Live and Yahoo! communities.
- ◆ **Text Message:** Short Message Service (SMS) allows you to exchange text messages with other text messaging-capable phones. Your phone also supports the Enhanced Messaging Service (EMS), which enables you to include simple pictures, melodies, and animated images in your messages. To use this feature, you must subscribe to your service provider's message service.
- ◆ **Picture Message:** Multimedia Messaging Service (MMS) allows you to exchange messages containing graphics and audio attachments with another MMS capable phone.
- ◆ **Broadcast Messages:** Broadcast Messages are messages received from your service provider containing information related to a specific area (cell).

You can also use your phone to access **Voice Mail** (recorded voice) messages.

Rogers IM

Use Rogers IM to send and receive instant messages.

To create and send an instant message:

1. From the Idle screen, press [

Messages
53


Create New Message

Use the Create New Message menu (Menu 6.2) to compose new text (SMS) and picture (MMS) messages and send them to other messaging-capable phones.

Create and Send a Text Message





Note: When creating a text (SMS) message, adding elements such as a picture, animation, or a melody automatically changes the EMS.

To create and send a text message:

1. From the Idle screen, press [

While you are composing your text message, press <**Options**> to select any of the following:

- ◆ **Insert:** Allows you to insert text from a Text Template, contact information from the Contact List, or a bookmarked URL from Bookmarks.
- ◆ **Add Media:** Lets you add a Picture, Animation or Melody to the message Note: this converts the message to EMS (enhanced message) format that allows the sending and receipt of simple images and sounds between phones that have EMS capability.
- ◆ **Attach:** Lets you attach information from your calendar to the message (Business Card, Appointment, Anniversary, Miscellaneous or Task).
- ◆ **Save to:** Saves the message to the Drafts folder or My Folder.

- ◆ **Select Language:** Allows you to temporarily change the input language used to create your message between English and Français (French).
 - ◆ **Input Mode:** Allows you to change the input method for adding text, numbers and symbols to your message. For more information, see “Changing the Text Input Mode” on page 29.
 - ◆ **Text Style:** Allows you to change the Text Size, Text Style, Bold, Italic and Alignment. The current text style is shown in the lower right corner of the message screen.
 - ◆ **Back:** Returns to the Create New Message menu.
3. When you finish entering your message, press **<Send To>** and enter the recipient's mobile phone number.
- ◆ You can enter additional recipients by pressing the Down navigation key to move the cursor to a new entry box.
 - ◆ You can also press **<Options>** and add recipients directly from the phone's Contact List, Recent Recipients, Group lists or FDN Contacts, or save the message to Drafts or My Folder.
 - **Contact List:** To find a specific name, begin entering the letters of the name. As you type, the first Contact List entry matching your input is highlighted. To select a different entry, scroll until the entry you want is highlighted and press [] to place a check mark next to it. Use the same procedure to select any additional recipients, then press **<Add>** to add the recipients to the address box.
 - **Recent Recipient:** Allows you to choose from a list of recently dialed phone numbers. Highlight a required entry and press [] to place a check mark next to the entry. Use the same procedure to select any additional recipients, then press **<Options>** and select **Add** to add the recipients to the address box.
 - **Group:** Allows you to insert Group members from your Group lists. Highlight a Group and press [] or **<Select>** to open the Group. Highlight a name and press [] to place a check mark next to the



entry. Use the same procedure to select any additional recipients, then press <**Select**> to add the recipients to the address box.

- **FDN Contacts:** Lets you add recipients from your FDN list (availability of FDN depends on your SIM card, contact your service provider for details).
- **Save to:** Lets you save the message to Drafts or My Folder.

4. Press <**Send**> to send the message.

Create and Send a Picture Message

Use the following procedures to compose and send new messages with graphics or audio attachments.





1. From the Idle screen, press [>] and select **Messages** → **Create New Message** → **Picture Message**.
2. To add a subject to the message, select **Subject**. Enter the required text then press [>] or press <**Options**> and select **Save**.
3. To add a graphic, select **Graphics**. The available options are:
 - ◆ **Add:** Lets you add an image from the Downloaded Graphics folder.
 - ◆ **Preview:** Lets you preview the message.
 - ◆ **Save to:** Saves the message to Drafts or My Folder.
 - ◆ **Add Page:** Adds a page to the message.
 - ◆ **Delete Page:** Deletes the current page from the message.
 - ◆ **Edit Page:** Lets you change the Duration, Move Page Forward, or Move Page Backward.
 - ◆ **Attach:** Lets you attach calendar information to the message (Business Card, Appointment, Anniversary, Miscellaneous, Task).
 - ◆ **Send Settings:** Lets you change the message send settings (Delivery Report, Read Reply, Priority, Expiry, Delivery After).
4. To add an audio file, select **Audio**. The available options are:

- ◆ **Add:** Lets you Record Audio or add a file from Recorded Audio or Downloaded Audio.
 - ◆ **Preview:** Lets you preview the message.
 - ◆ **Save to:** Saves the message to Drafts or My Folder.
 - ◆ **Add Page:** Adds a page to the message.
 - ◆ **Delete Page:** Deletes the current page from the message.
 - ◆ **Edit Page:** Lets you change the Duration, Move Page Forward, Move Page Backward.
 - ◆ **Attach:** Lets you attach calendar information to the message (Business Card, Appointment, Anniversary, Miscellaneous, Task).
 - ◆ **Send Settings:** Lets you change the message send settings (Delivery Report, Read Reply, Priority, Expiry, Delivery After).
5. To add message text, select **Message**. Type your message in the message window. The number in the top left corner of the screen displays the number of characters still available. For further information on entering characters, see “Entering Text” on page 29.

While you are composing your message, press <**Options**> to select any of the following:

- ◆ **Save:** Saves the text in the message.
- ◆ **Insert:** Allows you to insert text from a Text Template, contact information from the Contact List, or a bookmarked URL from Bookmarks.
- ◆ **Select Language:** Allows you to temporarily change the input language used to create your message between English and Français (French).
- ◆ **Text Style:** Allows you to change the Text Color or Text Size and add Bold, Italic or Underline.

When you are finished entering your message, press <**Options**> and select **Save** to save the text in the message and return to the New screen.

6. To send your message, press **<Send To>** and enter the recipient's mobile phone number.
- ◆ You can enter additional recipients by pressing the Down navigation key to move the cursor to a new entry box.
 - ◆ You can also press **<Options>** and add recipients from your Contact List, Recent Recipients, Group lists or FDN Contacts. You can also save the message to Drafts or My Folder.
 - **Contact List:** To find a specific name, begin entering the letters of the name. As you type, the first Contact List entry matching your input is highlighted. To select a different entry, scroll until the entry you want is highlighted. Press [] to place a check mark next to the entry. Use the same procedure to select additional recipients, then press **<Add>** to add the recipients to the address box.
 - **Group:** Allows you to insert Group members from your Group list. Highlight a Group and press [] or **<Select>** to open the Group. Highlight a name and press [] to place a check mark next to the entry. Use the same procedure to select additional recipients, then press **<Select>** to add the recipients to the address box.
 - **FDN Contacts:** Lets you add recipients from your FDN list (availability of FDN depends on your SIM card, contact your service provider for details).
 - **Recent Recipients:** Allows you to choose from a list of recently dialed phone numbers. Highlight a required entry and press [] to place a check mark next to the entry. Use the same procedure to select additional recipients, then press **<Options>** and select **Add** to add the recipients to the address box.
 - **Common Address:** Opens the Popular Email Accounts list, where you can store up to ten email addresses.
 - **Send:** Sends the message.
 - **Save to:** Saves the message to Drafts or My Folder.

- **Change Recipient:** Lets you change the recipient designation to Cc (carbon copy) or Bcc (blind carbon copy). Addresses of Bcc recipients are not visible to other recipients.

7. Press <**Send**> to send the message.

Message Folders


All incoming and outgoing text and picture messages are saved in a series of folders on your phone.

- ◆ **Inbox** (Menu 6.3): Stores received text and picture messages.
- ◆ **Sent** (Menu 6.4): Stores messages you have sent successfully.
- ◆ **Outbox** (Menu 6.5): Temporarily stores messages your phone is attempting to send. It also stores messages that you have created and configured to be sent some time in the future. Outbox messages are moved to the Sent folder after they are successfully sent.
- ◆ **Drafts** (Menu 6.6): Stores unsent messages you have manually saved as drafts. You can access these drafts and send them at a later time.
- ◆ **My Folder** (Menu 6.7): Provides a separate storage area for messages. You can manually move messages here from other folders. This is useful, for example, if you want to store personal messages and business messages separately.
- ◆ **Templates** (Menu 6.8): Accesses message files saved as templates. For information, see “Templates” on page 61.

Note: If the phone's memory is full, an error message displays and you cannot receive any new messages. Use the **Delete** option to delete unnecessary messages in each message box.

View Messages

To view a message stored in one of the message folders:

1. From the Idle screen, press [

Message Folder Options

While viewing a message list or a message, you can press <**Options**> to access a series of options (not all options are available in each menu):

- ◆ **View:** Allows you to view the selected message.
- ◆ **Play:** Plays a sound file received with a message.
- ◆ **Edit:** Lets you edit a draft message.
- ◆ **Reply:** Allows you to reply to the selected message.
- ◆ **Reply via:** Allows you to reply to the selected message via Text Message or Picture Message.
- ◆ **Reply to All:** Allows you to reply to the sender and other recipients of a message.
- ◆ **Send:** Allows you to send an unsent message.
- ◆ **Send Again:** Resends the selected message.
- ◆ **Forward:** Allows you to forward the message to someone.
- ◆ **Call Back:** Makes a call to the message's originating number.
- ◆ **Preview:** Previews multimedia files attached to the message.
- ◆ **Delete:** Allows you to delete the selected message or multiple messages.
- ◆ **Move to Phone/Move to SIM Card:** If a message is stored in the SIM card, this option transfers it to the phone's memory. If a message is stored in the phone's memory, it is transferred to the SIM card.
- ◆ **Move to My Folder:** Lets you move messages to the My Folder storage area.



- ◆ **Add to Block List:** Lets you add the sender's number to the Block Number list, a list of phone numbers that the phone automatically rejects messages from (see "Message Settings" on page 92).
- ◆ **Extract Address:** Lets you save the number a message was sent from to your Contact List.
- ◆ **Save Media:** Lets you save the attached media file to the appropriate storage folder. Press <Options>, select **Save to My Files** and choose **Selected** or **All Messages**. Files are saved to the Media folder for the corresponding file type (audio files to Recorded Audio, graphics to Downloaded Graphics).
- ◆ **Sort by:** Allows you to sort messages by Date, Read/Unread, Sender, Type, Size, or Subject.
- ◆ **Lock/Unlock:** Locking a message prevents it from being deleted.
- ◆ **Delivery Status:** Indicates whether a sent message has been delivered.
- ◆ **Properties:** Displays the properties of the message (Date, To, Cc, Bcc, Size, Priority).

Templates

Templates let you save and reuse commonly used content for text and picture messages. For further details on sending messages, see "Messages" on page 53.

Create a Template



To create a text template:

1. From the Idle screen, press [] and select **Messages** → **Templates**.
2. Scroll to an **Empty** template location and press [] or press <Options> and select **Add New** to open a blank template. Enter the text you want to save as a template.

3. While the template screen is open, you can also press **<Options>** to access the following options:
 - ◆ **Save:** Saves the template file and adds it to the list of templates.
 - ◆ **Select Language:** Allows you to temporarily change the input language used to create your message between English and Français (French).

Use a Template

To access templates:

1. From the Idle screen, press [>] and select **Messages → Templates**.
2. Scroll to a template and press [>] to enter the text directly into a new text message or **<Options>** to access the following options:
 - ◆ **Send via:** Allows you to compose a Text Message or Picture Message with the template content inserted into the body of the message.
 - ◆ **Edit:** Allows you to edit the template text.
 - ◆ **Delete:** Allows you to delete the selected template or multiple templates. Press **<Yes>** to confirm the deletion.

Voice Mail



These menus allow you to access your voice mailbox, if your account supports this service.

Note: Voice mail is a network feature. Please contact your service provider for further details.

Configure Voice Mail


Before using your phone's Voice Mail features, you must have a valid server number configured in your phone. If your service provider has not


configured the number for you already or you need to change the number, use the following procedure to enter the server number obtained from your service provider.

1. From the Idle screen, press [>] and select **Messages** → **Voice Mail** → **Voice Server Number** → **1. Voice Mail**.
2. Enter a name and the server number.
3. Press [>] or <**Options**> and select **Save** to save the number in your phone.

Listen to Voice Mail



To listen to your voice mail messages:

1. From the Idle screen, press [>] and select **Messages** → **Voice Mail** → **Connect to Voice Server**. Your phone connects to the mail server.
2. Follow the recorded instructions to listen to your messages.

Note: You can also automatically dial voice mail directly from the Idle screen by pressing and holding [].


Delete All

Use this menu to delete groups of messages:

1. From the Idle screen, press [>] and select **Messages** → **Delete All**.
2. Use the navigation keys to move through the list of folders and press [>] to check or uncheck categories of text messages.
3. When you have finished making selections, Press <**Delete**> → <**Yes**> to delete messages in all checked categories. If any messages are locked, a message appears asking whether to delete protected messages; press <**Yes**> or <**No**> as required.

Messages Settings

This menu lets you configure various options for using text and picture messaging services. To access the **Messages Settings** menu:

1. From the Idle screen, press [Messages → **Messages Settings**.

For details on the various messages settings, see “Message Settings” on page 92.

Memory Status

The Memory Status menu allows you to view the usage and available memory in your phone. It displays the total memory used and available as well as the memory usage for each storage folder.

1. From the Idle screen, press [Messages → **Memory Status**.
2. Use the Left or Right navigation keys to toggle between **Text Message**, **Picture Message** and **Push Message**.

Tools

Tools (**Menu 7**) enables you to:


- ◆ Set alarms so the phone plays a ring tune at a specific time
- ◆ View the calendar and organize your schedule
- ◆ Use the phone as a calculator
- ◆ Use the tip calculator for tip calculations
- ◆ Use the phone for unit conversions including currency exchange calculations
- ◆ View times in different parts of the world
- ◆ Use a timer or stopwatch

Alarms

This menu (Menu 7.1) allows you to:






- ◆ Set up alarms to ring at a specific time
- ◆ Set the phone to switch on automatically and play the alarm when switched off

Set an Alarm

1. From the Idle screen, press [

Tools
65

Note: Your phone is preset to a 12-hour format. To change the time format, see “Set Time & Date” on page 86.



5. Choose the **Alarm Day** panel. Press [] to open the selection menu. The menu choices are:
 - ◆ **Everyday:** The alarm sounds each day at the Alarm Time.
 - ◆ **Once Only:** The alarm sounds the first time the Alarm Time occurs.
 - ◆ **Individual days:** The alarm sounds at the Alarm Time only on the selected day(s).
6. For each selection you want to make, highlight it and press [] to put a check mark in the selection box. When you are finished, press <OK>.
7. Choose **Alarm Tone** and press []. Use the right and left navigation keys to choose the type of tone (Basic Tones, Default Ring Tunes, Recorded Audio, or Downloaded Ring Tunes) then the Up and Down keys to choose a tone. Press <Select> or [].
8. To change the **Snooze** setting, use the Left and Right navigation keys to toggle the setting (Off, 1 Min, 3 Min, 5 Min, 7 Min, 10 Min). Choose **Repeat** and set number of times to repeat the alarm (1, 2, 3, 5, 10).
9. Press [] or <Save> to save the settings.

Note: The Alarm icon appears in the Icon area on the Idle screen to show that an alarm has been set.

Note: To stop the alarm when it rings, open the phone and press any key. To use the snooze function to delay the alarm, press <Snooze>.

Setting Power On for Alarm


To allow the phone to power on if it is switched off when an alarm time occurs:

1. From the Idle screen, press [Tools → **Alarms** → **Auto Power-up**.
2. Choose **On** or **Off** and press <**Save**> or [

Calendar

Using the Calendar feature (Menu 7.2), you can view any month, week or day. You can also create Appointment, Anniversary, Miscellaneous and Task events on any day.


To view the Calendar:

1. From the Idle screen, press [Tools → **Calendar**. The calendar opens in Month, week or day view, depending on the Default View setting (see “Calendar Options” on page 68).

In **Month** view, the current date is highlighted by a box around the number. Use the navigation keys to move to other dates. Appointments are indicated by a blue arrow at the lower right corner of the date, Anniversaries by a yellow arrow at the upper right, Miscellaneous events by a green arrow at the lower left and Tasks by a red arrow at the upper left. The number of each type of event occurring on the highlighted day is indicated below the calendar.


Note: You can also move to the previous or next month by pressing the Volume keys on the left side of the phone.

Week view provides a grid with the days of the week across and daytime hours arranged vertically. Use the navigation keys to move to specific days and times. The same arrow indicators as in Month view appear on the initial indicating the day and colored rectangles indicate the time slots where events are scheduled.

To view the events on a specific day, use the navigation keys to highlight the day and press [

Day view provides a list of the events associated with the chosen day, the scheduled time for each and icons indicating the type of event, alarm indicator, etc.

To Change the View

While in any of the Calendar views, press <**Options**> and select **View by**. Choose the view you want and press <**Select**> or [].

Calendar Options

While using the Calendar, press <**Options**> to access the Calendar options (not all options are available in each view):

- ◆ **View:** Opens the Day view for the selected day.
- ◆ **Create:** Used to create a new event (Appointment, Anniversary, Miscellaneous or Task).
- ◆ **Send via:** Lets you send the information for the highlighted event to someone else via text message or picture message.
- ◆ **View by:** Lets you change the view to one of the other options.
- ◆ **Go to:** Lets you directly select the current day or a specific date.
- ◆ **Event List:** Displays a list of specific type of event (Appointments, Anniversaries, Miscellaneous events or Tasks).
- ◆ **Delete:** Lets you delete events for the selected day, all events in a specific time period, all events in the selected month or all events.
- ◆ **Settings:** Allows you to select the calendar Starting Day (whether weeks start on Sunday or Monday) and Default View (whether the current month, week or day is displayed when the calendar is opened).
- ◆ **Missed Alarm Events:** Provides a list of events with alarm time that has passed.
- ◆ **Memory Status:** Shows the number of each type of event saved on your phone. The phone holds a maximum of 100 events.

Creating Calendar Entries

To create a calendar entry on a specific date:

1. Use the navigation keys to select the date.
2. Press **<Options>** and select **Create**.
3. Select the type of entry you want to make (Appointment, Anniversary, Miscellaneous or Task).

Depending on the type of entry, some of the following options are available:

◆ **Subject/Occasion/Task:** Enter text describing the event.

Note: The Start Date and End Date on event entry screens are automatically set to the date highlighted on the calendar when the screen is opened.

◆ **Details:** Lets you save details of an entry.

◆ **Start Date:** If the displayed start date is not correct, enter the required date.

◆ **Start Time:** Use the numeric keypad to set the start time. Use the Left or Right navigation key to toggle the AM/PM setting.

◆ **End Date:** If the displayed end date is not correct, enter the required date.


◆ **End Time:** Use the numeric keypad to set the end time. Use the Left or Right navigation key to toggle the AM/PM setting.

◆ **Date:** If the displayed date for the event is not correct, enter the required date.

◆ **Due Date:** If the displayed due date is not correct, enter the required date.

◆ **Priority:** Select High, Normal or Low.

◆ **Location:** Enter text detailing the location of the appointment.



- ◆ **Alarm (before):** Allows you to set an alarm to remind you of this event and the length of time before the event to sound the alarm.
 - ◆ **Alarm Time:** Allows you to set the time of day that the alarm will sound.
 - ◆ **Alarm Tone:** Allows you to set the tone for the alarm.
 - ◆ **Repeat:** Allows you to repeat the same event on a daily, weekly or monthly basis.
 - ◆ **Repeat Every Year:** Allows you to repeat the event on the same day each year.
4. When you have finished, press [] or press <**Options**> and select **Save**. The entry is indicated on the calendar by a colored arrow at a corner of the date.

Event Options

The following options display when you press <**Options**> while setting an event.







- ◆ **Save:** Saves the event in the corresponding event list.
- ◆ **Select Language:** Toggles the input language between English and Français (French).
- ◆ **Cancel:** Cancels the event.

Viewing a Calendar Entry

To view the details for a day, highlight the day in the calendar view and press []. To view the details of an entry, highlight it and press [] or <**Options**> and select **View**.

Calculator

With this feature (Menu 7.3), you can use the phone as a calculator with basic arithmetic operators (addition, subtraction, multiplication, division) and numerous math functions. To use the calculator:



1. From the Idle screen, press [Tools → **Calculator**.
2. Enter the equation you want to solve.
 - ◆ Enter numbers using the numeric keys.
 - ◆ As shown in the diagram on the lower part of the screen, enter basic operators (+, -, × or ÷) using the navigation keys, decimal point using , brackets using  (press once for left bracket, twice for right bracket).
 - ◆ To enter math functions, press <**Options**>, choose a function on the list and press [Select>.
 - ◆ To make corrections, use the volume keys to move left and right in the equation and press the  key to delete the character to the left of the cursor.
3. To view the result, press [

From the Calculator screen, you can access the following option by pressing <**Options**>:

- ◆ **Go to Converter:** Opens the Converter (see “Converter” on page 72).

Tip Calculator




The tip calculator (Menu 7.4) calculates the tip on a meal or service and splits the bill between the number of people paying. To use the calculator:



1. From the Idle screen, press [Tools → **Tip Calculator**.
2. Using the numeric keypad and the  key (to enter the decimal point), enter the total amount of the bill in **Bill**.
3. If you want a percentage other than the default 15%, choose **Tip (%)** and enter the new value.
4. If more than one person is paying, choose **# paying** and enter the number.

The total amount of the tip is shown in **Tip (\$)** and the amount each person pays in **You pay**.

Converter

Using the Converter (Menu 7.5), you can determine many unit conversions.


1. From the Idle screen, press [Tools → **Converter**.
 2. Select the conversion type required (Currency, Length, Weight, Volume, Area or Temperature) and press **<Select>** or [ - 3. Use the navigation keys to select the original unit type.
 - 4. Use the navigation keys to select the amount field and enter the amount to convert. Use the  key to insert a decimal.
 - 5. Use the navigation keys to select the second Unit field and to select the final unit type.
 - 6. The converted value is displayed below the final unit type.
- ◆ To reverse the direction of the conversion, press **<Options>** and select **Reverse**.

- ◆ To change the amount to be converted, scroll to the amount field and enter the new value using the numeric keypad.
- ◆ To perform a different conversion, press <**Back**> to return to the Converter menu.
- ◆ To change the preset currency conversion rates, press <**Options**> and select **Currency Rates**. Use the navigation keys to select the base rate to use. Use the navigation key to select the value to be changed. Press [, enter the new value using the keypad, and press <**Save**> or [].

World Clock

World Clock (Menu 7.6) allows you to view the time of day in two other parts of the world and graphically depicts the position of these time zones relative to the one you are in. Your current time zone is shown on the map by a blue and white vertical line (see “Set Time & Date” on page 86 for information on setting your time zone).

To use World Clock:

1. From the Idle screen, press [] and select **Tools** → **World Clock**.
2. Use the Left and Right navigation keys to scroll to a time zone. The selection box lists one or more well-known cities within the zone and the current time within that zone. The location of the zone is indicated on the map by a red and white vertical line.




To view a second time zone, press the down navigation key to choose the second selection box then use the Left and Right navigation keys to scroll to a time zone. The location of this zone is indicated on the map by a red and white vertical line and the indicator for the zone indicated in the first (inactive) selection box changes to a white vertical line.

To toggle the application of Daylight Savings Time to the selected time zone, press <**Options**> and select **Apply Daylight Saving Time**. Press [] to add or remove a check mark beside the selected time zone and

press **<Save>**. If Daylight Savings Time is applied it is indicated by an icon at the right side of the scrolling date and time bar.

Stopwatch



The Stopwatch (Menu 7.7) allows you to time an event and measure up to four sub-intervals, such as lap times. To use the stopwatch:

1. From the Idle screen, press [] and select **Tools** → **Stopwatch**.
2. Press [] to start the stopwatch.
3. Press [] to measure sub-intervals.
4. Press **<Reset>** to erase the recorded times.

Timer

The Timer (Menu 7.8) allows you to count down from a preset time to zero. A series of tones plays when the time reaches zero.

To start the timer:

1. From the Idle screen, press [] and select **Tools** → **Timer**.
2. Press **<Set>**.
3. Using the numeric keys, enter the number of hours, minutes and seconds that you wish to count down then press **<OK>**.
4. Press [] to start the timer.

To pause the countdown, press [].

When the count reaches 0, an alarm sounds and Time Out displays on the screen. Press **<OK>** to cancel the alarm and message.

Contacts

The Contacts menu (**Menu 8**) is used to manage your contact list. You can store names and phone numbers in both your SIM card and your phone's memory, which are physically separate but both used to create the contact list. You can also create contact groups, an FDN list, and speed dial numbers.

Note: When you change phones, numbers stored in your SIM card memory are automatically available with the new phone, whereas numbers stored in the phone's memory must be re-entered or transferred using a data kit accessory. However, contacts stored on the phone may include additional details that can not be stored on the SIM card.

Add New Contact

Use the following procedures to store a new contact to your phone or SIM card.

Note: Your phone can be set to save automatically save contacts to your SIM Card, automatically save to your Phone, or Ask on Saving. The default setting is "Phone". The following procedures assume that the phone is set to Ask on Saving. To change the setting, see "Contacts Settings" on page 95.

Storing a Number in the Phone's Memory


1. From the Idle screen, press [

Note: You can also enter a phone number on the Idle screen, press <**Options**> and select **Save** → **Phone** → **New** → type of phone number to open the Add New Contact Screen with the phone number already entered.


2. Enter the information you want to save for this contact. The following fields are available for input:

- ◆ **First Name:** For recording the contact's first name.

- ◆ **Last Name:** For recording the contact's last name.
- ◆ **Mobile:** Allows entry of a mobile phone number.
- ◆ **Home:** Allows entry of a home number for this contact.
- ◆ **Office:** Allows entry of an office number for this contact.
- ◆ **Fax:** Allows entry of a fax number for this contact.
- ◆ **Other:** Allows entry of any other contact number for this contact.
- ◆ **Email:** For recording an e-mail address.
- ◆ **Graphic ID:** Lets you assign a graphic ID for this contact. You can use a downloaded graphic or default image.
- ◆ **Ring Tune:** Allows you to choose a ring tune that plays when this contact calls. For information on selecting a ring tune, see "Ring Tunes" on page 37.
- ◆ **Group:** Allows you to assign this contact to a group.
- ◆ **Notes:** Lets you add any other information you wish to record with this contact.

Note: You can change any number type designation (Mobile, Home, Office, Fax, Other). Press <Options> and select **Change Type**. Highlight the required type and press <Select> or [].

For information on text and numeric entry, see "Entering Text" on page 29.

3. To save the information, press [] or press <Options> and select **Save**.

Storing a Number in the SIM Card

1. From the Idle screen, press [] and select **Contacts** → **Add New Contact** → **SIM Card**. The Add New Contact screen opens.

Note: You can also enter a phone number on the Idle screen, press <Options> and select **Save** → **SIM Card** → **New** → type of phone number to open the Add New Contact screen with the phone number already entered.

2. Enter the information you want to save for this contact. The following fields are available for input:

- ◆ **Name:** For recording the contact's name.
 - ◆ **Phone Number:** Allows entry of a phone number or, if you already entered a number, it appears here.
 - ◆ **Location:** Allows you to assign a location on your SIM for the contact being entered. The default is the next available SIM location.
 - ◆ **Memory Status:** Displays the number of contacts saved on the SIM card and the number of spaces remaining.
 - ◆ **Graphic ID:** Lets you assign a graphic ID for this contact. You can use a downloaded graphic or default image.
-


Note: Graphic ID can not be stored on the SIM card. The contact must be copied to the phone first (when the message "Copy to Phone?" appears press <Yes>).

- ◆ **Ring Tune:** Allows you to choose a ring tune that plays when this contact calls. For information on selecting a ring tune, see "Ring Tunes" on page 37.
-

Note: Ring Tune can not be stored on the SIM card. The contact must be copied to the phone first (when the message "Copy to Phone?" appears press <Yes>).




- ◆ **Group:** Allows you to assign this contact to a group.
-

Note: Group can not be stored on the SIM card. The contact must be copied to the phone first (when the message "Copy to Phone?" appears press <Yes>).

3. To save the information, press [] or press <Options> and select **Save**. The phone displays a screen that lists the details of your new entry onto the SIM.

Find Contact Information by Name

To view the stored information for a contact:

1. From the Idle screen, press [] and select **Contacts** → **Contact List**.
2. Begin entering the letters of the name. As you type, the first entry matching your input is highlighted. To select a different entry, scroll through the list until the entry you want is highlighted.
3. Press [] to dial the number or [] to view the contact information.

Contact List Options

While accessing the Contact List, press <Options> to use any of the following options:

- ◆ **View:** Lets you view the information for the highlighted contact.
- ◆ **Edit:** Lets you edit the information for the highlighted contact.
- ◆ **Send Message:** Allows you to send a text message or picture message to this contact.
- ◆ **Add New Contact:** Allows you to create a new contact. See “Add New Contact” on page 75 for more information.
- ◆ **Call:** Allows you to call the highlighted contact.
- ◆ **Copy to SIM Card/Phone:** Saves the Contact List entry, either to your SIM card or phone.
- ◆ **Send Business Card via:** Allows you to send a message to the selected entry that contains your Business Card. This can be sent as a text message or picture message.



- ◆ **Assign Speed Dial:** Allows you to set a speed dial for the selected Contact List entry.
- ◆ **Delete:** Allows you to delete the selected Contact List entry or all entries.
- ◆ **Add to Reject List:** Adds the selected Contact list entry to the Reject List.
- ◆ **Select Language:** Allows you to temporarily change the input language used to create your message between English and Français (French).

Group

Using Groups you can organize your contacts into lists such as Family, Office and Friends. You can also assign a unique Caller ID or ring tune to members of the group.

Note: Only contacts that are stored on the phone can be added to groups.

Adding Contacts to a Group

1. From the Idle screen, press [.
3. If the group has no members, select **<Add>**; if the group already has members, press **<Options>** and select **Add**. The Contact List opens.
4. Scroll to each name to be added to the Group and press [

To find a specific name, begin entering the letters of the name. As you type, the first Contact List entry matching your input is highlighted. To select a different entry than the one that is highlighted, scroll through the list until the entry you want is highlighted.

When you are finished selecting names, press **<Options>** and select **Add**. The selected contacts are added to the group.


Group Options

From the Group screen, you can access the following options for each group by highlighting the group name and pressing **<Options>**:

- ◆ **View:** Opens the group list.
 - ◆ **Add New Group:** Allows you to create a new group and save it to your phone or, if your SIM card allows Group storage, to your card.
 - ◆ **Edit:** Lets you change the Name, Graphic ID and Ring Tune.
 - ◆ **Send Message:** Allows you to send a text message or picture message to group members.
 - ◆ **Delete Group:** Allows you to delete the selected group.
-

Note: Deleting a group does not delete individual Contact entries.

Creating a New Group

1. From the Idle screen, press [





Speed Dial List

Using Speed Dial (Menu 8.4), you can assign up to eight phone numbers from your Contact List to number keys 2 to 9 and dial them whenever you want simply by pressing and holding the associated number key. For information on adding and using speed dial entries, see “Speed Dial List” on page 47.

Note: Speed dial key 1 is reserved for your Voice Mail server number.


Reject List

Your phone can reject calls from specific phone numbers on the Reject List. To add a phone number to the reject list:

1. From the Idle screen, press [>] and select **Contacts** → **Reject List**.
2. Press <**Options**>, select **Add New** and choose the number or list of numbers you want to reject. The choices are:
 - ◆ **Number:** Lets you directly enter the number to be rejected. Press <**Save**> to add the number to the reject list.
 - ◆ **Contacts:** Lets you choose one or more numbers from your Contact List. Press [>] to place a check mark beside each number you want to reject then press <**Options**> and select **Select**.
 - ◆ **Group:** Lets you reject all numbers in a group. Scroll to the group then press <**Select**>.
 - ◆ **FDN Contacts:** Lets you choose one or more numbers from your FDN Contacts List. Press [>] to place a check mark beside each number you want to reject then press <**Select**>.
 - ◆ **Recent Contacts:** Lets you choose one or more numbers from a list of recent contacts. Press [>] to place a check mark beside each number you want to reject, then press <**Select**>.
 - ◆ **Unknown numbers:** Lets you reject all calls from unknown numbers.

My Business Card

This menu option lets you create a Business Card file containing your contact information that can be sent to others for addition to their contact list.

1. From the Idle screen, press [>] and select **Contacts** → **My Business Card**.
2. Enter the information you want to save for your Business Card. The following fields are available for input:
 - ◆ **First Name:** For recording your first name

- ◆ **Last Name:** For recording your last name
- ◆ **Mobile:** For recording a mobile phone number
- ◆ **Home:** For recording a home phone number
- ◆ **Office:** For recording a work number
- ◆ **Fax:** For recording a fax number
- ◆ **Other:** For recording an additional phone number
- ◆ **Email:** For recording an email address
- ◆ **Notes:** For adding any other information

For information on text and numeric entry, see “Entering Text” on page 29.

To change the type of phone number field in a specific location, press **<Options>** and select **Change Type**. Scroll to the required field type and press **<Select>**.

3. When you are finished entering information, press **<Options>** and select **Save**.

Settings


This menu (**Menu 9**) lets you customize numerous phone settings to suit your preferences.



Set Sound

You can use the Set Sound menu to customize various sound settings, such as:

- ◆ ring melody, volume and type
- ◆ sounds made when you press a key, receive a message, or switch your phone on or off

To customize sound settings:

1. In Idle mode, press [Settings → **Set Sound**.

The following options are available. Use the navigation keys, <**Select**> and [Save> or [

Incoming Call

This menu allows you to specify the way the phone alerts you to incoming calls. For example, you can choose to be alerted by a melody or by a melody then vibration. You can also specify ring tunes and set audio volume. The following options are available:

- ◆ **Get New Ring Tunes:** Lets you download new ring tunes from your service provider.
- ◆ **Alert Type:** Specifies how you want to be alerted to incoming calls (various combinations of melody and vibration).
- ◆ **Ring Tune:** Lets you select a ring tune for incoming voice calls from the Ring Tune folders.
- ◆ **Volume:** Lets you specify the volume for the selected ring tunes (level 1 to 7).

Keypad Tone

This menu allows you to select the tone and volume when you press the keypad, or turn the sound off. The following options are available:

- ◆ **On/Off:** Turns the keypad tone on or off.
- ◆ **Key Tone:** Selects the type of tone (Beep or Xylophone).
- ◆ **Volume:** This option allows you to adjust the keypad volume to one of seven levels.

Message Tone

This menu allows you to control how the phone informs you that a new text message or multimedia message has been received. You can select a different type of tone for different kinds of messages.

For each message tone, the following options are available:

- ◆ **Message Tone:** Lets you specify a tone for incoming text or multimedia messages.
- ◆ **Alert Type:** Specifies how you want to be alerted to incoming messages (various combinations of melody and vibration).


Power On/Off Tone

This menu allows you to enable or disable the melody that the phone plays when it is switched on and off. The following options are available: **Off**, **Tone 1** or **Tone 2**.

Silent Mode

This menu item allows you to select how your phone will respond to calls, messages or alarms when it is in Silent mode. The following options are available:


- ◆ **Vibration:** Your phone will only vibrate.
- ◆ **Mute:** Your phone will not make a sound or vibrate.



Note: You can turn the Silent mode on at any time by pressing and holding []. The phone displays the message "Silent Mode Activated". Press and hold this key again to deactivate Silent mode.

Set Display

In this menu, you can change settings for the display and backlight.

To change settings for the display:

1. In Idle mode, press [] and select **Settings** → **Set Display**.

The following options are available. Use the navigation keys, <Select> and [] to change selections, <Save> or [] to confirm changes.

Main Display

The following options are available:

- ◆ **Wallpaper:** Lets you choose a screen background image from downloaded graphics or default wallpapers. You can also set the transparency level.
- ◆ **Info Display:** Lets you change text attributes for the Idle screen (Text Position, Text Style and Text Color).
- ◆ **Pop Up List Menu:** Select whether pop-up menus are On or Off.
- ◆ **Dialing Display:** Lets you change the properties of the font used for the dialing display.
 - **Font Size:** Selects the font size (Large, Medium, or Small).
 - **Font Color:** Selects a text color (Monochrome, Gradation, or Basic).
 - **Background Color:** Allows you to select a color for the background screen.
- ◆ **Calendar:** Allows you to display the calendar on the main display.

Front Display

This menu selects the image to display in the centre of the front LCD. The choices are:

- ◆ **Clock:** Displays a digital clock with AM/PM indicator and date.
- ◆ **My Image:** Lets you choose one of a series of preset icons (happy face, star, heart, etc.).
- ◆ **Screen Slogan:** Lets you enter a line of text to display.

Light Settings

This menu lets you change properties of the LCD display.


- ◆ **Brightness:** Allows you to adjust LCD display brightness for best viewing in different lighting conditions.
- ◆ **Backlight Time:** Allows you to select the length of time the backlight remains on at full brightness (15 Seconds, 30 Seconds, 1 Minute, 3 Minutes, or 10 Minutes) and on but dimmed while the phone is idle (Off, 15 Seconds, 30 Seconds, 1 Minute, or 3 Minutes).
- ◆ **Front LCD Contrast:** Allows you to adjust the Front LCD contrast to help readability in different lighting conditions.

Note: Increasing brightness and light times will reduce the length of time the phone can be operated before battery recharging is necessary.

Set Time & Date

Use this menu (Menu 9.3) to configure the settings for the time and date display.

To modify Time & Date settings:

1. In Idle mode, press [

Settings

3. To save changes, press **<Save>**.

◆ **Time Zone Updating:** Lets you specify how the time zone information is updated (Automatic, Manual Only or Prompt First).

If Manual Only is selected, the following options are enabled:

- **Home Zone:** Lets you specify your location relative to Greenwich Mean Time. Scroll left or right to indicate your time zone. You can also enable or disable Daylight saving, as appropriate.
- **Time:** Lets you change the time setting. Scroll left or right to choose the number you want to modify and then enter a new number using the keypad. To switch between AM and PM, highlight the indicator and press the left or right navigation key.
- **Date:** Lets you change the date setting using the keypad. Scroll left or right to choose the number you want to modify and then enter a new number using the keypad.


◆ **Time Format:** Lets you specify the time format you prefer (12 hour or 24 hour clock). Scroll left or right to select.

◆ **Date Format:** Lets you specify the date format you prefer. Scroll left or right to choose a format. The choices are MM/DD/YYYY, DD/MM/YYYY, or YYYY/MM/DD.




Set Phone

Use this menu (Menu 9.4) to configure phone settings related to the user interface language, shortcuts, greeting message, Airplane Mode, and network settings. You can also check the phone number of the phone.

To access phone settings:

1. In Idle mode, press [Settings → **Set Phone**.
2. Change settings as required (see below).
3. To save changes, press **<Save>**.


The following options are available:

- ◆ **Language:** Lets you specify the language used for the user interface. The choices are Automatic, English or Français (French). If you select Automatic, the language setting is read from the SIM card in the phone.
- ◆ **Shortcuts:** Lets you change the applications assigned to the navigation keys for quick access. To select a new application for a key, press the key and then press [] or press <Options> and select **Change**. Choose the application you want to assign to the key and press [] or <Save>.
- ◆ **Greeting Message:** Lets you set a greeting to be displayed briefly when the phone is switched on. Enter the text you want to display and press [] or press <Options> and Select **Save**.
- ◆ **Network Selection:** Lets you configure your phone for Automatic or Manual network selection.
- ◆ **Airplane Mode:** For locations where you are not permitted to send or receive calls or access online information, this operating mode lets you use all other phone functions. When it is on, “Airplane Mode” is displayed on the Idle screen.

Set Calls

Call settings (Menu 9.5) let you configure the actions taken by the phone when you dial and receive calls.


To access call settings:


1. In Idle mode, press [] and select **Settings** → **Set Calls**.
2. To change a setting, choose another setting and press <Save>.

The following options are available:

General

This menu (Menu 9.5.1) lets you configure high-level features that specify how calls are handled. Use the navigation keys to choose the feature. If

necessary press [

- ◆ **Show My Number:** Lets you specify how your ID is handled when you initiate an outgoing call.
 - **Set By Network:** You are identified to the recipient using the default network information.
 - **Hide Number:** Your identification is hidden from the recipient.
 - **Show Number:** Your phone number and name are sent to the recipient.
- ◆ **Call Answer:** Provides additional methods for answering a call on your phone (Flip Open, Any Key). The phone can always be answered by pressing .
- ◆ **Call Status Tones:** Lets you activate alert tones that sound during a call.
 - **Minute Minder:** Sounds a tone after each minute of a call.
 - **Connection Tone:** Sounds a tone when a call connection is successful.
- ◆ **Alerts on Call:** Lets you specify whether you want to be alerted by a tone when a message is received or the time for an alarm is reached while you are on a call.


Voice Call

This menu (Menu 9.5.2) lets you configure the default settings for voice call features.

Call Forwarding

Call forwarding lets you reroute incoming calls to another number or to your voicemail. Availability of the various options depends on your service provider. Contact your provider for more details on enabling this feature.

To set call forwarding options:

1. In Idle mode, press [<Options> to select **Voice Server** or a number from your **Contacts**. The phone sends your settings to the network and the network's acknowledgement is displayed.
- ◆ **Busy:** Forwards calls when you are on another phone call.
- ◆ **No Reply:** Forwards calls when your phone is not answered.
- ◆ **Unreachable:** Forwards calls when you are not in an area covered by your service provider or when your phone is switched off.

Note: To use the options, **Busy**, **No Reply**, or **Unreachable**, please contact your service provider.


- ◆ **Cancel All:** Deactivates call forwarding.

The phone sends your settings to the network and the network's acknowledgement is displayed.



Call Barring

Call Barring allows you to restrict various types of calls from being made or received with your phone. This option is SIM dependent and requires a subscription. For more information, contact your service provider.

To configure call barring options:




1. In Idle mode, press [

Settings

[]. Use the left and right navigation keys to change the setting (Activate, Deactivate). Highlight the Password box, enter the Call Barring password and press [] or **<Select>**. The screen confirms whether call barring is activated or deactivated for the selected call type.


Changing the Password for Call Barring

To change the password:

1. From the Call Barring screen, select **Change Barring Password**.
2. Type the current password into the Enter Password box and press **<OK>** or [].
3. Type the new password into the Enter New Password box and press **<OK>** or []. Enter the new password again in the Confirmation box and press **<OK>** or [].

Call Waiting



Call Waiting informs you when someone is trying to reach you while you are on another call. To set Call waiting options:

1. In Idle mode, press [] and select **Settings** → **Set Calls** → **Voice Call** → **Call Waiting**.

To change call waiting status for Voice Calls or Data Calls, press **<Select>** or [], choose **Activate** or **Deactivate** and press **<Select>** or [].

Auto Redial

Auto Redial lets you configure your phone to automatically redial the last dialed number if the connection is lost or the call was unable to connect. To enable or disable Auto Redial:

1. In Idle mode, press [] and select **Settings** → **Set Calls** → **Voice Call** → **Auto Redial**.
2. Choose **On** or **Off** and press **<Save>** or [].

Note: For carriers that automatically divert unanswered calls to voice mail, the Auto redial feature will not provide useful service.

Set Applications

The Set Applications menu (Menu 9.6) provides a convenient way to access most settings menus for phone functions from one list. These menus can be accessed from their respective applications as well and most are described in more detail in other sections of this manual.

Message Settings

Messages settings (Menu 9.6.1) let you configure the default settings for the following messaging features:

- ◆ **Text Message:** Lets you configure the text delivery parameters used when sending a text message.
 - ◆ **Send Settings:** Lets you set the following parameters:
 - **Reply Path:** Allows the recipient of your message to send you a reply using your message center, if your network supports this service.
 - **Delivery Report:** Provides a delivery report after sending a message.
 - **Validity Period:** Specifies how long a message is valid. The message must be sent and received within the specified time period or it is removed from the text message server. Choose 1 Hour, 6 Hours, 1 Day, 1 Week or Maximum.
 - **Message Type:** Specifies the default format of text (SMS) messages. Choose Text, Fax, Voice, ERMES, X.400 or Email.
 - **Service Center:** Stores the phone number for the text message center.
 - ◆ **Block Number:** Lets you store a list of numbers that your phone automatically rejects messages from.

◆ **Picture Message:** Lets you configure the delivery parameters used when sending a picture (MMS) message.

◆ **Send Settings:**

- **Delivery Report:** When this option is enabled, the network informs you whether or not your message has been delivered.
- **Read Reply:** When this option is enabled, your phone sends a request for a reply along with your message to the recipient.
- **Priority:** Specify a priority level for your messages (High, Normal, Low).
- **Expiry:** Select the length of time you wish the message to remain on the MMS server (1 Hour, 6 Hours, 1 Day, 1 Week, Maximum).
- **Delivery After:** Set a time delay before the phone sends your messages (Immediately, 1 Hour, 6 Hours, 12 Hours, 1 Day, 3 Days, 1 Week, 1 Month).

◆ **Receive Settings:**

- **Anonymous Reject:** Automatically rejects messages belonging to the Anonymous category.
 - **Ads Allowed:** Automatically accepts messages belonging to the Advertisement category.
 - **Report Allowed:** Automatically sends notification to the recipient indicating that you received the message.
 - **Send Read Report:** Sends a read report to the message sender.
 - **Message Reception:** Lets you specify how messages are retrieved from the home network (Automatic, Reject, Manual).
- ◆ **Profiles:** Lets you select a connection profile to be used when connecting to a message server and change profile settings.
- ◆ **Block Number:** Lets you store a list of numbers that your phone automatically rejects messages from.
- ◆ **Message Class:** Specify the acceptable type of received messages (Text Only, Small Imaging, Moderate Imaging).

- ◆ **Creation Mode:** Specify how new media content is sent: Warning, Free, Restricted.

◆ Rogers IM

- ◆ **Default Community:** Allows you to select Windows Live or Yahoo!
- ◆ **Favorite IDs:** Stores a list of IDs. Press <Create> and enter the Sign in as, Email Address and Password information.
- ◆ **Power On Sign In:** Allows automatic sign in to Windows Live or Yahoo! when the phone is switched on.
- ◆ **Community Settings:** Allows you to turn automatic sign-in on or off; change sound settings for Receive Message, Contact Alert and System Message (Melody, Vibration, Vibration then Melody, Silent); and set Repetition (Once, Every 1 Min, Every 2 Min).
- ◆ **IM Profiles:** Lets you set the Current Profile and Profile Settings for sending and receiving IM messages.


◆ Push Message

- **Receive:** Specifies push message reception (Always, Never, Text Message-C Specific).
- **Service Center:** Lets you change the service center phone number.

◆ Broadcast Message: Broadcast messages are transmitted to all phones within the area.

- **Read:** Specifies how broadcast messages are handled after they are read (Archive or Temporary).
- **Activation:** Enables or disables broadcast message reception.
- **Channel List:** Lets you specify the channels from which the phone will accept broadcast messages. You can enable all channels or enter individual channels in the My Channels box.
- **Language:** Allows you to select your preferred language for display of cell broadcast messages. The choices are All, English or Français (French).

Browser Settings

Browser settings (Menu 9.6.2) let you select the Current Profile used when connecting to the Internet and make changes to Profile Settings. To change Profile Settings, highlight a profile and press [] or <Select>. Make changes to the Profile Settings as required (Profile Name, Home URL, Proxy Use, GPRS Settings).

Record Audio Settings

Record Audio settings (Menu 9.6.3) let you specify the following audio recording preferences:

- ◆ **Recording Time:** Lets you specify the maximum allowable length of an audio recording made with the phone (1 Hour or Limit for Multimedia Message).
- ◆ **Volume:** Sets the default playback volume.
- ◆ **Default Name:** Lets you set a default name prefix for audio recordings made with the phone.

Calendar Settings

Calendar settings (Menu 9.6.4) let you specify the following preferences for the calendar:

Starting Day: Sets whether weeks in the calendar start on Sunday or Monday.

Default View by: Specifies whether the calendar opens in Month, Week or Day view.

Contacts Settings

Contact settings (Menu 9.6.5) let you manage the saving and viewing of contact information, including your own.

- ◆ **Default Saving:** Lets you specify the default save location for contact information (Phone, SIM Card or Ask on Saving).
- ◆ **Copy All to:** Lets you copy all contacts to Phone or SIM Card.
- ◆ **Sort by Contacts:** Chooses whether contacts are sorted by First Name or Last Name.
- ◆ **Delete All:** Lets you delete various groups of contacts (All, Phone, SIM Card, or SIM Card FDN).
- ◆ **Memory Status:** Allows you to view the amount of memory allocated and available in categories (Phone, SIM Card and SIM Card FDN).

Security

The Security feature allows you to restrict the use of your phone by others and the types of calls that can be made using various codes and passwords.

1. From the Idle screen, press [] and select **Settings** → **Security**.

2. The following options are available:

- ◆ **Lock Phone:** When the phone lock is enabled, the phone password must be entered each time the phone is switched on. The phone remains operational until switched off.
- ◆ **Lock SIM Card:** When the Lock SIM Card feature is enabled, your phone only works with the current SIM. To lock the SIM card, enter a four digit password and press <OK>, then enter it again to confirm. To deactivate the SIM and allow use of a different SIM card, enter the password and press <OK>.
- ◆ **Lock Applications:** Using this option you can lock various phone applications, which requires entry of the phone's password to access the associated menus. The selection includes: All, Messages, Call History, Ring Tunes, Graphics, and Contacts.
- ◆ **Check PIN Code:** When the Check PIN Code feature is enabled, your PIN must be entered each time the phone is switched on.

Note: Before disabling the Check PIN Code feature, you must enter your PIN.

- ◆ **Change Phone Password:** Allows you to change your phone password. You must enter the current password before you can specify a new one.
 - ◆ **Set FDN Mode:** Set FDN (Fixed Dial Number) mode, if supported by your SIM card, allows you to restrict outgoing calls to phone numbers stored in the FDN List. To set this mode you must enter your PIN2.
-

Note: Not all SIM cards have a PIN2. If your SIM card does not, this menu does not display.

- ◆ **Change PIN Code:** Allows you to change your PIN, provided that the PIN Check feature is enabled. You must enter the current PIN before you can specify a new one.
 - ◆ **Change PIN2 Code:** Allows you to change your PIN2. You must enter the current PIN2 before you can specify a new one.
-

Note: Not all SIM cards have a PIN2. If your SIM card does not, this menu does not display.

Reset Settings

This menu (Menu 9.8) allows you to reset some or all of your phone settings to their default value. To reset phone settings:



1. Select one or more of the following reset options by highlighting it and pressing **<Check>**:
 - ◆ **All:** Resets all configuration options listed in this menu to their default values.
 - ◆ **Sound Settings:** Resets sound options to their default values. For more information on sounds, see “Set Sound” on page 83.
 - ◆ **Display Settings:** Resets only display options to their default values. For more information on Display settings, see “Set Display” on page 85.

- ◆ **Phone Settings:** Resets only phone options to their default values. For more information on Phone settings, see “Set Phone” on page 87.

2. Press <**Reset**> and then <**Yes**> to confirm.
3. Enter the phone password and press <**OK**>.

Memory Status

Memory Status (Menu 9.9) let you view used and available memory in the following categories: Shared Memory, Messages (Text Message, Picture Message, Push Message), Media, Contacts, and Calendar.

Select the memory location for which you want to view status and press <**Select**> or []. Use the navigation keys to view subfolders. To view the contents of a specific subfolder, highlight it and press <**Select**> or [].

Solving Problems

If you are experiencing problems with your phone, perform the following simple checks before contacting a service professional. This may save you the time and expense of an unnecessary service call.

When you switch your phone on, one of the following messages appears

Insert SIM Card

- ◆ Check that the SIM card is correctly installed.

Phone Locked Enter Password

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

Enter PIN

- ◆ You are using your phone for the first time. You must enter the Personal Identification Number (PIN) supplied with the SIM card.
- ◆ The PIN Check feature is enabled. Every time the phone is switched on, the PIN has to be entered. To disable this feature, use the **Check PIN Code** menu (see Security in "Set Phone" on page 87).


Enter PUK

- ◆ The PIN code was entered incorrectly three times in succession and the phone is now blocked. Enter the PUK supplied by your service provider. Phones use both PIN1 and PIN2 codes, which require PUK1 and PUK2 codes to unblock. Make sure you know which PIN code is locked and apply the correct PUK code.


“No service,” “Network failure” or “Not done” displays

- ◆ The network connection was lost. You may be in a weak signal area (in a tunnel or surrounded by buildings). Change location and try again.
- ◆ You are trying to access an option for which you have not taken out a subscription with your service provider. Contact the service provider for further details.

You have entered a number but it was not dialed

- ◆ Have you pressed the  key?
- ◆ Are you accessing the right cellular network?
- ◆ Is Call Barring turned on? (see “Call Barring” on page 90 for more details).

Your correspondent cannot reach you

- ◆ Is your phone switched on (the  key pressed for more than one second)?
- ◆ Are you accessing the right cellular network?
- ◆ Is Call Barring turned on? (see “Call Barring” on page 90 for more details).
- ◆ Has your phone been call forwarded to another number?




Your correspondent cannot hear you speaking

- ◆ Have you switched off the microphone?
- ◆ Are you holding the phone close enough to your mouth? The microphone is located at the bottom of the phone.

The phone starts beeping and “Low Battery” flashes on the display

- ◆ Your battery is insufficiently charged. Recharge the battery.

The audio quality of the call is poor

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

No number is dialed when you recall a Contacts entry

- ◆ Check that the number has been stored correctly, by using the Contact List Search feature.
- ◆ Store the number again, if necessary.

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

- ◆ the model and serial numbers of your phone
- ◆ your warranty details
- ◆ a clear description of the problem

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

Health and Safety Information

Exposure to Radio Frequency (RF) Signals

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

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

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

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

-
- *. 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.

Before a new model phone is available for sale to the public, it must be tested and certified by 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. While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement.

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

For Body Operation

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

The minimum distance from the body for this model phone is written in the FCC certification information. Non-compliance with the above conditions may violate FCC RF exposure guidelines.

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

- ◆ Federal Communications Commission (FCC)
 - <http://www.fcc.gov>
- ◆ Cellular Telecommunications Industry Association (CTIA):
 - <http://www.ctia.org>
- ◆ U.S. Food and Drug Administration (FDA)

•<http://www.fda.gov/cdrh/consumer>

◆ World Health Organization (WHO)

•<http://www.who.int/peh-emf/en>

Precautions When Using Batteries

- ◆ Never use any charger or battery that is damaged in any way.
- ◆ Use the battery only for its intended purpose.
- ◆ If you use the phone near the network's base station, it uses less power; talk and standby time are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- ◆ Battery charging time depends on the remaining battery charge, the type of battery and the charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- ◆ If left unused, a fully charged battery will discharge itself over time.
- ◆ Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers. When a charger is not in use, disconnect it from the power source.
- ◆ Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- ◆ Extreme 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. Shortcircuiting the terminals may damage the battery or the object causing the short-circuiting.
- ◆ Dispose of used batteries in accordance with local regulations. Always recycle. Do not dispose of batteries in a fire.

Operating Environment

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

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

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

Electronic Devices

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

Pacemakers

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

Persons with pacemakers:

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

If you have any reason to suspect that interference is taking place, switch your phone off immediately.

Hearing Aids

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

Audio Shock

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

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. 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 the areas 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 the  key.

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

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

Other Important Safety Information

- ◆ Only qualified personnel should service the phone or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- ◆ Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.
- ◆ Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.
- ◆ For vehicles equipped with an air bag, remember air bag inflates with great force. Do not place installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed, and the air bag inflates, serious injury could result.
- ◆ Switch your phone off before boarding an aircraft. The use of wireless phones in aircraft is illegal unless permitted 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, 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 help you fulfill any warranty obligations and allow you enjoy this product for many years:

- ◆ Keep the phone and all its parts and accessories out of reach of small children.
- ◆ Keep the phone dry. Precipitation and humidity contain minerals that may 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 or dirty areas. Moving parts may become damaged or clogged.
- ◆ 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.
- ◆ 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.

FCC Notice

Cautions

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Compliance Information

This device complies with Part 15 of 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.

Information to User

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- ◆ Reorient or relocate the receiving antenna.
- ◆ Increase the separation between the equipment and receiver.

- ◆ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- ◆ Consult the dealer or an experienced radio/ TV technician for help.

Appendix A: Certification Information (SAR)

THIS MODEL PHONE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

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 safety standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

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

-
- *. In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kilogram (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.

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 by 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. The highest SAR values of this model phone as reported to FCC are:

GSM850

- ◆ Head: 1.03 W/kg
- ◆ Body: 1.28 W/kg

EDGE850

- ◆ Head: 1.03 W/kg
- ◆ Body: 1.28 W/kg

GSM1900

- ◆ Head: 1.13 W/kg
- ◆ Body: 0.43 W/kg

EDGE1900

- ◆ Head: 1.13 W/kg
- ◆ Body: 0.43 W/kg

Body-worn operations are restricted to Samsung-supplied, approved or non-Samsung designated accessories that have no metal and must provide at least 1.5cm separation between the device, including its antenna whether extended or retracted, and the user's body. Non-compliance to the above restrictions may violate FCC RF exposure guidelines.

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

Appendix B: Safe and Responsible Wireless Phone Use

Cellular Telecommunications & Internet Association

“Safety is the most important call you will ever make.”

A Guide to Safe and Responsible Wireless Phone Use

Tens of millions of people in North America today take advantage of the unique combination of convenience, safety and value delivered by the wireless telephone. Quite simply, the wireless phone gives people the powerful ability to communicate by voice-almost anywhere, anytime with the boss, with a client, with the kids, with emergency personnel or even with the police. Each year, North Americans make billions of calls from their wireless phones, and the numbers are rapidly growing.

But an important responsibility accompanies those benefits, one that every wireless phone user must uphold. When driving a car, driving is your first responsibility. A wireless phone can be an invaluable tool, but good judgment must be exercised at all times while driving a motor vehicle whether on the phone or not.

The basic lessons are ones we all learned as teenagers. Driving requires alertness, caution and courtesy. It requires a heavy dose of basic common sense-keep your head up, keep your eyes on the road, check your mirrors frequently and watch out for other drivers. It requires obeying all traffic signs and signals and staying within the speed limit. It means using seat belts and requiring other passengers to do the same.

But with wireless phone use, driving safely means a little more. This brochure is a call to wireless phone users everywhere to make safety their first priority when behind the wheel of a car. Wireless telecommunications is keeping us in touch, simplifying our lives, protecting us in emergencies and providing opportunities to help others in need. When it comes to the use of wireless phones, safety is your most important call.

Wireless Phone “Safety Tips”

Below are safety tips to follow while driving and using a wireless phone which should be easy to remember:

1. Get to know your wireless phone and its features such as speed dial and redial. Carefully read your instruction manual and learn to take advantage of valuable features most phones offer, including automatic redial and memory. Also, work to memorize the phone keypad so you can use the speed dial function without taking your attention off the road.
2. When available, use a hands free device. A number of hands free wireless phone accessories are readily available today. Whether you choose an installed mounted device for your wireless phone or a speaker phone accessory, take advantage of these devices if available to you.
3. Position your wireless phone within easy reach. Make sure you place your wireless phone within easy reach and where you can grab it 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. Suspend conversations during hazardous driving conditions or situations. 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 and ice can be hazardous, but so is heavy traffic. As a driver, your first responsibility is to pay attention to the road.

5. Do not take notes or look up phone numbers while driving. If you are reading an Contact list or business card, or writing a to do list while driving a car, you are not watching where you are going. It's common sense. Don't get caught in a dangerous situation because you are reading or writing and not paying attention to the road or nearby vehicles.
6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan your calls before you begin your trip or attempt to coincide your calls with times you may be stopped at a stop sign, red light or otherwise stationary. But if you need to dial while driving, follow this simple tip-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. Stressful or emotional conversations and driving do not mix-they are distracting and even dangerous when you are behind the wheel of a car. Make people you are talking with aware you are driving and if necessary, suspend conversations which have the potential to divert your attention from the road.
8. Use your wireless phone to call for help. Your wireless phone is one of the greatest tools you can own to protect yourself and your family in dangerous situations-with your phone at your side, help is only three numbers away. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident, road hazard or medical emergency. Remember, it is a free call on your wireless phone!
9. Use your wireless phone to help others in emergencies. Your wireless phone provides you a perfect opportunity to be a Good Samaritan in your community. 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 wireless non emergency assistance number when necessary. Certain situations you encounter

while driving may require attention, but are not urgent enough to merit a call for emergency services. But you still can use your wireless phone to lend a hand. 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.

Careless, distracted individuals and people driving irresponsibly represent a hazard to everyone on the road. Since 1984, the Cellular Telecommunications Industry Association and the wireless industry have conducted an educational outreach program to inform wireless phone users of their responsibilities as safe drivers and good citizens. As we approach a new century, more and more of us will take advantage of the benefits of wireless telephones. And, as we take to the roads, we all have a responsibility to drive safely.

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

Cellular Telecommunications & Internet Association For more information, please call 1-888-901-SAFE.

For updates: <http://www.ctia.org>

Appendix C: Consumer Update on Wireless Phones

U.S. Food and Drug Administration

1. 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.

2. 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.

3. 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.

4. 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 the 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.

5. 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.

6. 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.

7. 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.

8. 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.

9. 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 hearing aids for interference from handheld 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.

10. 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 the 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 phone 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.

11. 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 10 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.

12. Which other federal agencies have responsibilities related to potential RF health effects?

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-slc.gov/SLTC/radiofrequencyradiation/index.html>

National Institute for Occupational Safety and Health (NIOSH):

<http://www.cdc.gov/niosh/topics.emf>

World health Organization (WHO):

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

International Commission on Non-Ionizing Radiation Protection:

<http://www.icnirp.de>

National Radiation Protection Board (UK):

<http://www.hpa.org.uk/radiation>

US Food and Drug Administration

<http://www.fda.gov/cellphones>

STANDARD LIMITED WARRANTY

What is Covered and For How Long? SAMSUNG ELECTRONICS CANADA INC. (SAMSUNG) warrants to the original purchaser ("Purchaser") that SAMSUNG's Phones and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase and continuing for the following specified period of time after that date:

Phone	1 Year
Batteries	1 Year
Leather Case/Pouch	90 Days
Holster	90 Days
Other Phone Accessories	1 Year

What is Not Covered? This Limited Warranty is conditioned upon proper use of Product by Purchaser. This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abuse, neglect, unusual physical, electrical or electromechanical stress, or modification of any part of Product, including antenna, or cosmetic damage; (b) equipment that has the serial number removed or made illegible; (c) any plastic surfaces or other externally exposed parts that are scratched or damaged due to normal use; (d) malfunctions resulting from the use of Product in conjunction with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (e) defects or damage from improper testing, operation, maintenance, installation, or adjustment; (f) installation, maintenance, and service of Product, or (g) Product used or purchased outside the United States or Canada.

This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery, (ii) any of the seals on the battery are broken or show evidence of tampering, or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's Obligations? During the applicable warranty period, SAMSUNG will repair or replace, at SAMSUNG's sole option, without charge to Purchaser, any defective component part of Product. To obtain service under this Limited Warranty, Purchaser must return Product to an authorized phone service facility in an adequate container for shipping, accompanied by Purchaser's sales receipt or comparable substitute proof of sale showing the date of purchase, the serial number of Product and the sellers' name and address. To obtain assistance on where to deliver the Product, call Samsung Customer Care at 1-800-SAMSUNG. Upon receipt, SAMSUNG will promptly repair or replace the defective Product. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product or replace Product with a rebuilt, reconditioned or new Product. Repaired/replaced leather cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Product will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for 90 days, whichever is longer. All replaced parts, components, boards and equipment shall become the property of SAMSUNG. If SAMSUNG determines that any Product is not covered by this Limited Warranty, Purchaser must pay all parts, shipping, and labor charges for the repair or return of such Product.

What Are the Limits On SAMSUNG's Liability? EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED HEREIN, PURCHASER TAKES THE PRODUCT "AS IS," AND SAMSUNG MAKES NO WARRANTY OR REPRESENTATION AND THERE ARE NO

CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT, INCLUDING BUT NOT LIMITED TO:

- ◆ THE MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR ANY PARTICULAR PURPOSE OR USE;
- ◆ WARRANTIES OF TITLE OR NON-INFRINGEMENT;
- ◆ DESIGN, CONDITION, QUALITY, OR PERFORMANCE OF THE PRODUCT;
- ◆ THE WORKMANSHIP OF THE PRODUCT OR THE COMPONENTS CONTAINED THEREIN; OR
- ◆ COMPLIANCE OF THE PRODUCT WITH THE REQUIREMENTS OF ANY LAW, RULE, SPECIFICATION OR CONTRACT PERTAINING THERETO.

NOTHING CONTAINED IN THE INSTRUCTION MANUAL SHALL BE CONSTRUED TO CREATE AN EXPRESS WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT. ALL IMPLIED WARRANTIES AND CONDITIONS THAT MAY ARISE BY OPERATION OF LAW, INCLUDING IF APPLICABLE THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY LIMITED TO THE SAME DURATION OF TIME AS THE EXPRESS WRITTEN WARRANTY STATED HEREIN. SOME STATES/ PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. IN ADDITION, SAMSUNG SHALL NOT BE LIABLE FOR ANY DAMAGES OF ANY KIND RESULTING FROM THE PURCHASE, USE, OR MISUSE OF, OR INABILITY TO USE THE PRODUCT OR ARISING DIRECTLY OR INDIRECTLY FROM THE USE OR LOSS OF USE OF THE PRODUCT OR FROM THE BREACH OF THE EXPRESS WARRANTY, INCLUDING INCIDENTAL, SPECIAL, CONSEQUENTIAL OR SIMILAR DAMAGES, OR LOSS OF ANTICIPATED PROFITS OR BENEFITS, OR FOR DAMAGES ARISING FROM ANY TORT

(INCLUDING NEGLIGENCE OR GROSS NEGLIGENCE) OR FAULT COMMITTED BY SAMSUNG, ITS AGENTS OR EMPLOYEES, OR FOR ANY BREACH OF CONTRACT OR FOR ANY CLAIM BROUGHT AGAINST PURCHASER BY ANY OTHER PARTY. SOME STATES/ PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE/PROVINCE TO PROVINCE. THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS PRODUCT AND STATES PURCHASER'S EXCLUSIVE REMEDY. IF ANY PORTION OF THIS LIMITED WARRANTY IS HELD ILLEGAL OR UNENFORCEABLE BY REASON OF ANY LAW, SUCH PARTIAL ILLEGALITY OR UNENFORCEABILITY SHALL NOT AFFECT THE ENFORCEABILITY FOR THE REMAINDER OF THIS LIMITED WARRANTY WHICH PURCHASER ACKNOWLEDGES IS AND WILL ALWAYS BE CONSTRUED TO BE LIMITED BY ITS TERMS OR AS LIMITED AS THE LAW PERMITS.

THE PARTIES UNDERSTAND THAT THE PURCHASER MAY USE THIRD-PARTY SOFTWARE OR EQUIPMENT IN CONJUNCTION WITH THE PRODUCT. SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE OR SUITABILITY OF ANY THIRD-PARTY SOFTWARE OR EQUIPMENT, WHETHER SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG OR OTHERWISE, INCLUDING THE ABILITY TO INTEGRATE ANY SUCH SOFTWARE OR EQUIPMENT WITH THE PRODUCT. THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE AND SUITABILITY OF ANY SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT LIE SOLELY WITH THE PURCHASER

AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT, AS THE CASE MAY BE.

This Limited Warranty allocates risk of Product failure between Purchaser and SAMSUNG, and SAMSUNG's Product pricing reflects this allocation of risk and the limitations of liability contained in this Limited Warranty. The agents, employees, distributors, and dealers of SAMSUNG are not authorized to make modifications to this Limited Warranty, or make additional warranties binding on SAMSUNG. Accordingly, additional statements such as dealer advertising or presentation, whether oral or written, do not constitute warranties by SAMSUNG and should not be relied upon.

Samsung Electronics Canada, Inc.

©2008 Samsung Electronics Canada, Inc. SAMSUNG is a registered trademark of Samsung Electronics Co., Ltd. and its related entities.

No reproduction in whole or in part allowed without prior written approval.

Specifications and availability subject to change without notice.

Index

A

- Access Codes, 27
- Alarms, 65
- All Calls, 45
- Alphabet Mode, 31
- Answering
 - call, 18
 - second call, 26
- Audio Recorder, 39
- Auto Redial, 91

B

- Battery
 - charging, 14
 - installing, 14
 - low indicator, 15
 - removing, 12
- Bookmarks, 51
- Broadcast Messages, 53
- Browser, 49
- Browser Settings, 95
- Business Card, 81

C

- Calculator, 70
- Calendar, 67
 - Appointment, 69
- Call Barring, 90
- Call barring
 - password, 91
- Call Functions, 17
- Call History, 45
- Call Options, 22
- Call Settings, 88
- Call Time, 48
- Call Waiting, 26, 91
- Calls
 - All, 45
 - answering, 18
 - ending, 17
 - from contact list, 18

- holding, 22
- international, 17
- made, 46
- making, 17
- missed, 19, 46
- received, 46
- redialing, 18
- waiting, 91

- Care and Maintenance, 109
- Characters, entering, 29
- Charging battery, 14
- Clear Key, 7, 10
- Contact
 - find information, 78
- Contact Settings, 95
- Contacts, 75
 - add to Group, 79
- Converter, 72

D

- Date and Time, 86
- Delete All, 48, 63
- Display
 - layout, 8
- Display Settings, 85
- DTMF tones, send, 25

E

- Earpiece/Speaker, 7
- Emergency Call, 3
- Emergency Calls, 108
- End Key, 11
- Entering Text, 29
 - Alphabet Mode, 31
 - Using Number Mode, 32
 - Using T9 mode, 30
 - Using the Symbol Mode, 32
- Explosive Environments, 107

F

- FCC Notice, 111
- File Transfer
 - USB cable, 33
- Front Display
 - Settings, 86

G

Games and Apps, 43

Get New

Graphics, 41

Ring Tunes, 37

Getting Started

activating your phone, 12

Graphics, 41

get, 41

Groups, 79

H

Headset Jack, 5

Health and Safety Information, 102

Hold Call, 22

I

Icons, 8

Inbox, 59

International Call, 17

Internet, 49

Browser, 49

K

Keypad, 7

Keypad tones

sending, 23

L

Light Settings

Backlight Time, 86

Brightness, 86

Listen to Voice Mail, 63

Low Battery Indicator, 15

M

Main Display, 5

Maintenance, 109

Making a Call, 17

Media menu, 37

Memory Settings, 98

Memory Status

Media, 42

Messages, 64

Menu Access/Confirm/Speakerphone key, 7

Menu Function List, 35

Menus

using, 34

Message Folders, 59

Options, 60

Message Templates, 61

Messages, 53

creating, 54

Settings, 64, 92

Microphone, 7

Missed Calls, 19, 46

calling back, 19

deleting, 20

sending message, 20

Multimedia Messaging Service, 53

Mute, 23

My Business Card, 81

My Folder, 59

N

Navigation keys, 6

New Contact

in phone memory, 75

in SIM card, 76

Number Mode, 32

O

On/off Switch, 16

Outbox, 59

P

Password, 27

Phone

activating, 12

display, 8

icons, 8

layout, 4

switching on/off, 16

Phone Settings, 87

Picture Message

Send, 56

PIN, 27

PIN2, 28

Power On/Power Off/Menu Exit key, 7

PUK, 27
PUK2, 28

R

Radio Frequency Signals, 102
Received Calls, 46
Recent Log, 55, 58
Record Audio Settings, 95
Recorded Audio, 40
Recording audio, 39
Redial, 91
Redialing manually, 18
Reset Settings, 97
Responsible Use, 114
Ring Tunes, 37
 get, 37
Rogers Mall, 36

S

Safety
 Information, 102
 Precautions, 2
 Tips, 115
SAR Information, 112
Search
 number, 25
Send
 Text Message, 54
Send Key, 11
Send key, 6
Sending
 DTMF tones, 25
 Key Tones, 23
Settings
 Applications, 92
 Audio recorder, 95
 Browser, 95
 Call, 88
 Call Barring, 90
 Call Waiting, 91
 Contact, 95
 Date & Time, 86
 Display, 85
 Memory, 98
 Messages, 92

Phone, 87
Reset, 97
Short Message Service, 53
Silent Mode, 20
SIM card
 installing, 13
 removing, 13
SMS, 53
Soft keys, 6
Solving Problems, 99
Speakerphone, 7, 23
 key, 11
Specific Absorption Rate, 112
Speed Dial, 47
Stopwatch, 74
Switching on/off, 16
Symbol Mode, 32

T

T9 Mode, 30
Templates, 61
Text
 Entering, 29
 Input Mode, 29
Text Message, 54
 Settings, 64
Time format, 86
Timer, 74
Tip Calculator, 72
Tools menu, 65
Transfer Files to PC, 33
Transferring Files
 USB, 33
Travel adapter, 14

V

View Messages, 59
Vice Call Forwarding, 89
Voice Mail, 62
Voice Server, 62
Voicemail key, 6
Volume
 Key, 5

W

Waiting call, 91

Warranty, 126

Web pages

 Favorites, 51

World Clock, 73

Y

Your Phone, 4