

SGH-A706 Series
P O R T A B L E Q u a d - B A N D
M O B I L E P H O N E
User Guide

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



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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 an aircraft

Wireless phones can cause interference. Using them in an 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 the  key. 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 196.

Your Phone

Features of your phone

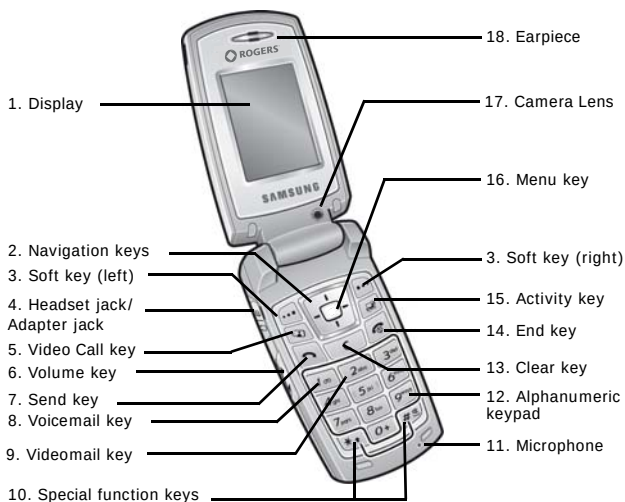
Your phone is lightweight, easy-to-use and offers many exciting features. The following list outlines a few of the features included in your phone.

- ◆ User friendly, menu driven access to features and options
- ◆ Video calling
- ◆ Bluetooth
- ◆ Camera and camcorder
- ◆ Instant Messaging capability
- ◆ Email
- ◆ Featured applications provide Alarms, Calendar, Tasks, Notes, Calculator, Tip calculator, Converter, World time, Timer, and Stopwatch.
- ◆ Name card
- ◆ Multimedia Message Service (MMS)
- ◆ Multimedia capability (with included Media player)
- ◆ Photo caller ID
- ◆ Speakerphone capability
- ◆ Web browser

Phone layout

Open view of your phone

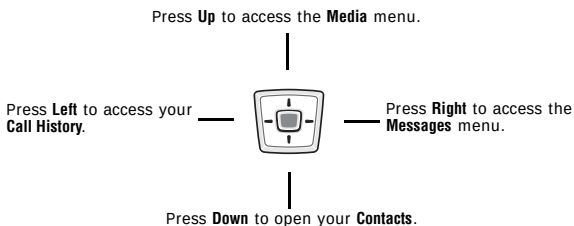
The following illustrations show the main elements of your phone:



1. **Display:** This screen displays all the information needed to operate your phone.
2. **Navigation keys:** This key allows you to scroll through phone menu options and provides a shortcut to phone functions from standby mode.

During text entry, the navigation keys move the cursor to the left or right, depending on which side you press.

In Idle mode, the navigation keys act as shortcuts, allowing you to access other menus directly. You can customize the shortcuts (**Menu 9.4.2**) to your own personal preferences. The default shortcuts are:



3. **Soft key:** Performs the functions indicated by the screen text on the bottom of the display.
 4. **Headset jack/Adapter jack:** Allows you to plug in the travel adapter (power), PC connection cable (data transfer), and optional headset for safe, hands-free conversations.
 5. **Video call key:** Allows you to make video calls.
 6. **Volume key:** Allows you to adjust the ringer volume in standby mode or adjust the voice volume during a call. The volume key can also be used to scroll up or down to navigate through the different menu options. To mute the ringer during an incoming call, press the volume key up or down. This key is also used when the Music player is active.
- ◆ If you are playing music and the backlight goes out, you will need to press and hold this key to gain access to the music player keys when the flip is closed. If the backlight is out, the keys themselves will not reactivate the phone or control the Media player.

7. **Send key:** Allows you to answer calls, dial calls, and to recall the last number(s) dialed, received, or missed.
 - ◆ Press  once to answer calls.
 - ◆ Enter a number and briefly press  to make a call.
 - ◆ Briefly press  in standby mode to display a list of recent calls to and from your phone. Press  twice in standby mode to call the most recent number.
 - ◆ Press  to pick up a waiting call.
8. **Voicemail key:** Press and hold the  key to automatically dial your voicemail.
9. **Videomail key:** Press and hold the  key to automatically dial you video mail if your service provider offers this functionality.
10. **Special Function keys:**
 - ◆ **Asterisk/Shift key:** Enters the asterisk character (*) for calling features. In text mode, press to change the character input type.
 - ◆ **Pound/Space/Quiet Mode key:** Enters the pound character (#) for calling features. In Idle mode, press and hold the  key to activate/deactivate the Silent profile. In text entry mode, the  key is used to insert a space. Press and hold the  key to switch to Symbol mode.
11. **Microphone:** The microphone allows the other callers to hear you clearly when you are speaking to them.
12. **Alphanumeric keypad:** Use these keys to enter numbers, letters and characters.

13. **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.
- ◆ If you enter an incorrect character, briefly press  to backspace (and delete) the character.
 - ◆ To erase the entire sentence, press and hold .
 - ◆ To back up one menu level, briefly press .
14. **End key:**
- ◆ Press and hold the End key  to turn your phone on and off.
 - ◆ Briefly press  once to end a call.
 - ◆ Press  to return to standby mode from any menu, or to cancel the last input.
 - ◆ When you receive an incoming call, press  to reject the call.
15. **Activity key:** Opens the application switch window which allows you to select from a group of different applications without having to exit from the currently active application.
16. **Menu key:** When navigating through a menu, the menu key opens the highlighted choice in the menu. If you press it once in Idle mode, the main menu will launch.
17. **Camera lens:** The camera lens is used for taking photos. There is also a camera lens on the front of the phone flip lid. For further details about the Camera feature, see page 80.
18. **Earpiece:** Used to listen to audio from your phone.

Closed view of your phone

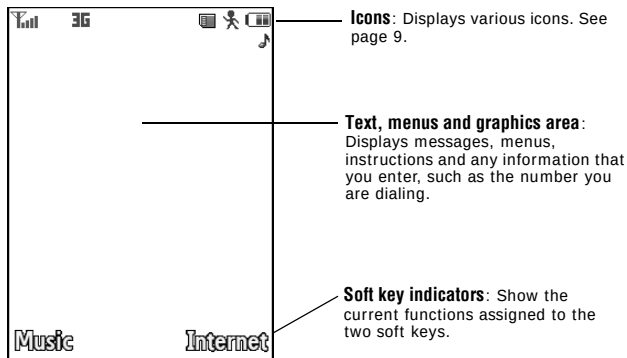


1. **Camera lens:** The camera lens is used for taking photos. For further details about the Camera feature, see page 80.
2. **Front LCD:** Your phone has an external display on the front of the phone. It indicates when you have an incoming call or message. It also displays time, reception, battery power, and any icons associated with alerts, such as messages, or a set alarm.
3. **Media player control keys:** This touch sensitive pad controls the progress of the media being displayed on the front LCD. These controls include: return to the previous file, pause/resume playback, and skip to the next file during playback.
4. **Speakers:** Your phone has external speakers, which are used for audio and video (with audio) playback.
5. **Camera key:** While in Idle mode, holding down this key for a few seconds launches the Camera in Capture mode. While in Capture mode, this key allows you to take the picture.
6. **Memory card slot:** Used to install an optional microSD™ card for additional data storage. This memory card and adapter enables images, music, and voice data to quickly and easily be exchanged between SD-compatible devices. For more information, see “Transferring files via your microSD card” on page 47.

Display

Display layout

The display has the following areas:



Icons



Shows the received signal strength. The greater the number of bars, the stronger the signal.



Appears when the phone is accessing services in a GPRS network. When data is being transferred, this icon animates.



Appears when the phone is accessing services in an EDGE network. When data is being transferred, this icon animates.



Appears when the phone is accessing services in a UMTS network. When data is being transferred, this icon animates.



Appears when the phone is accessing services in a 3G+ (HSDPA) network. When data is being transferred, this icon animates.



Appears when a call is in progress.



Appears when there is no network coverage available. When you are out of the service area, you cannot make or receive voice calls.



Appears when a video call is in progress.



Appears when there is no network coverage available. When you are out of the service area, you cannot make or receive video calls.



Appears when a new voice mail has been received.



Appears when a new text message has been received.



Appears when a new multimedia message has been received.



Appears when a new email message has been received.



Indicates that a microSD card is inserted in the handset.



Appears when Bluetooth wireless technology is active. When transferring data, this icon blinks red and blue.



Appears when you are connected to a PC via a USB port.



Appears when you are browsing the Internet while using the phone as a modem.



Appears when you are connected to a secured web page.



Appears when the phone's profile is set to **Silent**. In this case, the speaker is muted and the phone only vibrates and displays information on its front panel LCD. This mute icon is accompanied on screen by the Vibrate icon.



Appears when the phone's profile is set to **Silent**. This indicates that the phone's incoming Alert type is set to vibrate only. This icon is accompanied on screen by the Mute icon.



Appears when the phone's profile is set to **Driving**. In this case, the speaker is active. In this case, the speaker is active and will launch the currently selected ringtone or melody when the associated notification is activated. This icon is accompanied on screen by the Audio icon.



Appears when the phone's profile is set to **Meeting**. In this case, both the speaker and vibration features are disabled and only the front panel LCD displays information. This icon is accompanied on screen by the Mute icon.



Appears when the phone's profile is set to **Outdoor**. In this case, the speaker is active, the volume settings are raised to their highest levels, any currently active ring tones or melodies are activated, and the phone's vibrate feature is activated.



Appears when an incoming call Alert type is set to **Offline**. This indicates that the phone's incoming Alert Type allows you to use many of your phone's features, such as Games, Music, Notepad, Voice Memos, etc., but you cannot send or receive any calls or access online information. This icon is accompanied on screen by the Mute icon.



Appears when the incoming Alert type is set to mute the speakers and deactivate the vibration feature.



Appears when the incoming Alert type is set to melody.



Appears when the incoming Alert type is set to melody and vibrate.



Appears when the speakerphone feature is being used during an active call.



Shows the level of your battery. The more bars you see, the more power you have remaining.

Activity key

The Activity key  opens an application-switch window, which allows you to select from a group of commonly used applications without having to exit from the currently active application. Press the  key to access this feature.



Note: The availability of this feature depends on the current state of the phone. For example, you cannot access the switch window while using Java-based features including Rogers Mobile TV or while playing games.

When the switch window is open, scroll to the application you want to open using the navigation keys, or press the Activity key repeatedly. When you have highlighted the application you want, press the  key to launch that application. Press the **Back** or **No** soft key to return to the previous screen. The **End all?** option returns the phone to Idle mode.

Note: While performing some Internet-based activities, you can access the switch window, but some applications may not be functional. For example, if you are browsing the Internet and use the Activity key to initiate a phone call, the call will not connect.

Backlight

The backlight illuminates the display and the keypad. When you press any key or open the phone, the backlight turns on and remains on for a given period of time, depending on your setting in the Backlight menu. When no keys are pressed, the display dims and turns off after a specified length of time to conserve your battery power.

Note: To specify the length of time the backlight is active, use the Backlight menu (**Menu 9.2.3.2**). See “Backlight time” on page 154 for further details.

Getting Started

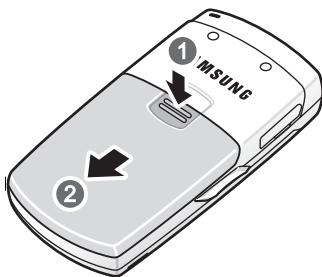
SIM card information

Your Subscriber's Identity Module (SIM) card contains your wireless information to authorize your GSM device to make and receive calls and use services on the Rogers Wireless network. For more information, refer to the "Your SIM Card and Service Agreement" in the box.

Opening the battery and SIM card cover

To access the rechargeable battery and SIM card compartment:

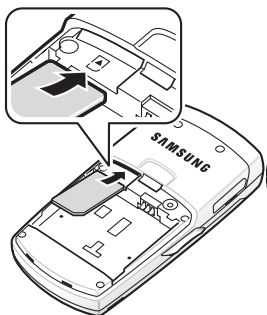
1. If necessary, power-off the phone by holding down the  key until the power-off image displays.
2. Remove the battery cover by 1) pressing the battery lock down and holding it in position, then 2) slide the battery cover down, as shown.



Installing the SIM card

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

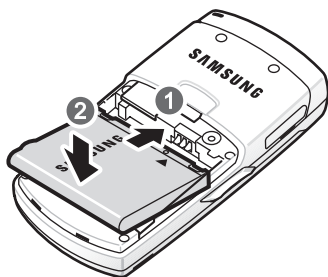
Make sure the gold contacts of the card face into the phone, then slide the SIM card into the socket.



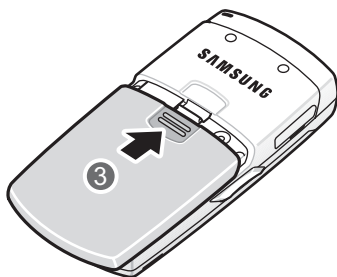
Installing the battery

1. Align the battery so that the 3 brass tabs on the end align with the 3 brass prongs at the bottom of the battery compartment.

2. Press the battery down until it clicks into place. Make sure that the battery is properly installed before switching on the phone.



3. With the battery in position on the phone, place the cover back on the handset and slide it in until it clicks.



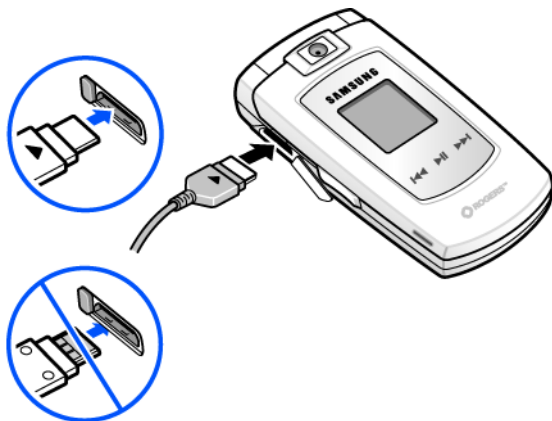
Charging the battery

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

Note: You must fully charge the battery before using your phone for the first time. A discharged battery recharges fully in approximately 200 minutes. You can use the phone while the battery is charging, but this causes the phone to charge more slowly.

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

1. With the battery in position on the phone, plug the connector of the travel adapter into the jack on the left side of the phone.



2. Plug the adaptor into a standard AC wall outlet. When charging is finished (the battery icon becomes still), unplug the adaptor from the power outlet.



3. Remove the adaptor from the phone by gently pulling the connector out.

Note: You must unplug the adaptor before removing the battery from the phone during charging; otherwise, the phone could be damaged.

Low battery indicator

When the battery is weak and only a few minutes of talk time remain, a warning tone sounds and the “Low Battery” message repeats at regular intervals on the display. The backlight turns off to conserve the remaining battery power. When the battery level becomes too low, the phone automatically turns off.

Switching the phone on or off

Do not turn the phone off while transferring files between locations or devices.

1. Open the phone.
2. Press and hold the  key until the phone switches on.
3. If you are prompted to enter the phone password, enter the password and press the **OK** soft key. For further details, see “Phone lock” on page 187.
4. If you are prompted for a PIN, enter the PIN and press the **OK** soft key. For further details, see “PIN check” on page 188.

The phone searches for your network and, after finding it, the idle screen appears on the display. You can now make or receive a call.

The display language is preset to **Automatic** and is dependent on the setting in the SIM as determined by your service provider. To change the language, use the Language menu (**Menu 9.4.1**). For further details, see “Phone settings” on page 158.

5. To switch the phone off, press and hold the  key until the power-off image is displayed.

Call Functions

Selecting functions and options

The roles of the soft keys vary depending on the function you are currently using. The labels on the bottom line of the display just above each key indicate their current role.



Press the Left soft key to access the item on the screen above.

Press the Right soft key to access the item on the screen above.

Use the **Left soft key**  to do the following:

- ◆ In Idle mode, press to access the Rogers Music Player. For more information, see “Rogers Music Player” on page 104.
- ◆ When using other features, such as the web browser, the left soft key performs a context-sensitive action, such as displaying the **Options** submenu. This action is shown in the bottom left corner of the Display Screen.

Note: Some submenus display  to the right of an option, indicating additional sub-options. Highlight the option and press either the right navigation key or the  key to display the sub-options.

Use the **Right soft key**  to do the following:

- ◆ In Idle mode, press to access the **Internet**. (See “Internet” on page 63.)
 - ◆ When using other features, such as the web browser, the right soft key performs a context-sensitive action such as displaying the **Back** option. This action is shown in the bottom right corner of the display screen.
-

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

Making a call

When the Idle screen is displayed, enter the area code and phone number, then press the  key.

Note: When you activate the **Auto redial** option in the **Voice Call** menu (**Menu 9.5.2**), the phone automatically redials up to ten times when the person does not answer the call or is already on the phone. For carriers that automatically divert unanswered call to voice mail, the Auto redial feature will not provide useful service. See “Voice call” on page 162 for further details.

Making an international call

1. In Idle mode, press and hold the  key. The + character appears.
2. Enter the country code, area code and phone number and press the  key.

Making corrections when dialing numbers

To clear	Press the
the last digit displayed	 key.
any other digit in the number	left or right navigation key until the cursor is immediately to the right of the digit to be cleared. Press the  key. You can also insert a missing digit simply by pressing the appropriate key.
the whole display	 key and hold it for more than one second.

Ending a call

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

Redialing the last number

The phone stores the numbers you have dialed, received or missed if the caller is identified. See “Call History” on page 96 for further details.

To access your Call history:

1. If you have typed characters on the display, press either the **Back** soft key or the  key to return to Idle mode.
2. Press the  key to display your Call history.

3. By default, the **All calls** list is displayed, showing all numbers made, received or missed. Scroll left or right to access either your **Missed calls**, **Calls made**, or **Calls received**.
4. Use the up and down navigation keys to scroll through the numbers until the number you want is highlighted.
5. To dial the number, press the  key.

Making a call from the Contacts list

You can store the phone numbers that you use regularly in the SIM card or the phone's memory, which are collectively called **Contacts**. To access **Contacts**, press **Menu 8**, then select a name to recall the associated number. For further details, see "Contacts" on page 136.

Adjusting the volume

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

- ◆ Press the volume key  up to increase the volume level and down to decrease the level.
- ◆ In Idle mode, you can also adjust the Ring tune volume using these keys.

Answering a call

When somebody calls you, the phone alerts you and displays the incoming call image. When the caller can be identified, the caller's phone number or name, if stored in your Contact list, is displayed.

To answer a call:

1. If necessary, open the phone.

2. Press the  key or the **Accept** soft key to answer the incoming call.
 - ◆ When the **Any key** option in the **Answering mode** menu (**Menu 9.5.1.4**) is activated, you can press any key to answer a call except for the  key and the **Reject** soft key. See “All calls” on page 160.
 - ◆ When the **Active flip** option in the **Answering mode** menu (**Menu 9.5.1.4**) is activated, you can answer the call simply by opening the phone.
 - ◆ To reject the call, press and hold one of the side volume key , or press the **Reject** soft key or  key. A quick press of the side volume key  silences the ringer for the incoming call.
3. End the call by pressing the  key.

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

Viewing missed calls

When you are unable to answer a call, you can find out who called. The number of calls you missed is displayed on the Idle screen immediately after a call is missed.

To view the missed call when you receive the alert:

1. If necessary, open the phone.
2. Press the **View** soft key.

The number for the most recent missed call is displayed, if available.

To view your missed calls log:

1. From the Idle screen, select **Menu 4** for Call History.
2. Scroll down to highlight **Missed calls** and press the **Select** soft key.

Saving a missed call number

Note: When the number for the missed call is not available, the **View** option is not displayed.

1. When you receive a missed call notification, press the **View** soft key.
2. Press the up or down navigation key to highlight the number you want to save and press the **Options** soft key.
3. Highlight **Save to Contacts** and press the **Select** soft key.
4. Choose between the **Phone** and **SIM** locations and press the **Select** soft key.

If you select **Phone**, use the up and down navigation keys to highlight **New** (if the number is for a new contact) or **Update** (to update an existing contact) and press the **Select** soft key.

5. Enter the name or choose from the provided list and press the **Options** soft key and select **Save**.

For more options on this function, see “Storing a number in Idle mode” on page 138.

Deleting a missed call

1. Press the **Options** soft key.
2. If necessary, press the up or down navigation key to highlight the **Delete** option.
3. Press the **Select** soft key to delete the currently highlighted (**Selected**) call or **All** to delete all your missed calls.

You can press the  key at any time to exit the Missed history feature.

Note: You can access the Missed calls feature at any time by selecting the **Call History** menu (**Menu 4**). For further details, see “Missed calls” on page 97.

Silent mode

Silent mode is convenient when you wish to stop the phone from making noise, such as when you are in a theater, for example. In Silent mode, your phone's speakers are muted. The phone will vibrate and light up the external LCD display or just light the external LCD display depending on the settings of the Silent profile.

- ◆ In Idle mode, press and hold the  key until the “Silent profile on” message and icon () are displayed.
- ◆ To return to normal, press and hold the  key until the “Normal profile on” message is displayed.

Note: For further details on Profiles, see “Profiles” on page 142.

Options During a Call

Your phone provides a number of features that you can use during a call. During a call, press the **Options** soft key to access the following:

- ◆ **Switch to headset/phone:** Lets you switch between a Bluetooth headset and the phone during a call. This option appears only if you have a headset connected.
- ◆ **Whisper mode on/off:** Increases the microphone sensitivity level so that you do not have to speak louder to be heard by the other party.
- ◆ **Hold:** Places the current call on hold.
- ◆ **Mute keypad tone:** Silences/mutes the key tones when on the call. To turn this feature off (unmute the keypad), return to this option and select **Send keypad tone**.
- ◆ **New call:** Places the current call on hold and then allows you to enter and dial another number.
- ◆ **Send DTMF:** Sends DTMF (Dual Tone Multi-Frequency) tones to the contacts you have selected. These DTMF tones are sent as a group. The DTMF tones are the tones used in phones for tone dialling, sounding when you press the number keys. This option is helpful for entering a password or an account number when you call an automated system, like a banking service.
- ◆ **Contacts:** Allows you to access your Contacts list.
- ◆ **Save to Contacts:** Allows you to add the currently phone number to your Contacts list on either your phone or SIM card.
- ◆ **View contact details:** If information is saved for the person on the line, the information is displayed.
- ◆ **Send message:** Allows you to create and send a new SMS/MMS message.
- ◆ **Calendar:** Allows you to temporarily access your calendar while still maintaining the current call active.
- ◆ **Notes:** Allows you to associate a note with the current phone number.

- ◆ **Switch to video call:** Changes the call from a voice call to a video call if supported and if the person on the line is properly equipped. For more information on video calls, see “Video Calling” on page 33.
- ◆ **End call:** Allows you to end the current call.

Putting a call on hold

You can place the current call on hold whenever you want. You can make another call while you have a call in progress if your network supports this service.

- ◆ To place a call on hold, press the **Options** soft key and select **Hold**. You can reactivate the call whenever you want, by pressing the **Resume** soft key.

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

1. To place a call on hold, simply press the **Options** soft key and select **Hold**. Your current call is placed on hold.
2. Enter the phone number that you wish to dial.
3. Press the  key to dial the second call.

- ◆ When you have an active call and another call on hold, you may switch between the two calls, placing the active call on hold. Select **Swap** from the **Options** soft key menu.

The current call is placed on hold and the call on hold is reactivated so that you can continue conversing with the other person.

4. When you want to finish, end each call by pressing the  key.

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 wish to say something to another person in the room but do not want the person on the call to hear you.

To switch the microphone off temporarily:

- ◆ Press the **Mute** soft key. The other person can no longer hear you.

To switch the microphone back on:

- ◆ Press the **Unmute** soft key. The other person can hear you again.

Making a multi-party call

A multi-party call 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 21.
2. Call the second participant in the normal way. The first call is automatically put on hold.
3. To join the first participant to the multi-party call, press the **Options** soft key and select the **Join** option.

4. To add a new person to the multi-party call, call the person in the normal way and press the **Options** soft key. Select the **Join** option.

You can also add incoming callers by answering the call, pressing the **Options** soft key, and selecting the **Join** option. Repeat as required.

To have a private conversation with one participant

1. Press the **Options** soft key and select **Split**.
2. Choose the number you wish to talk with and press the **Split** soft key.

You can now talk privately to that person. The other participants can still converse with each other.

3. To return to the multi-party call, press the **Options** soft key and select the **Join** option.

All the multi-party call participants can now hear each other.

Dropping one participant in a multi-party call

1. Press the **Options** soft key and select **End**.
2. Highlight **Select participant** and press the **Select** soft key.
3. Highlight a participant you wish to drop and press  to check/uncheck that participant. Repeat this step as necessary.
4. When you are finished, press the **Drop** soft key.

The call ends with that participant(s), but you can continue to talk to the others.

5. When you want to end the multi-party call, press the  key.

Sending a sequence of DTMF tones

You can send the DTMF tones after entering the entire number you need to send. This option is helpful for entering a password or an account number when you call an automated system, like a banking service.

To send the DTMF tones:

1. When you are connected to the teleservice system, press the **Options** soft key.
2. Press the down navigation key to highlight the **Send DTMF** option.
3. Press the **Select** soft key.
4. Enter the number you want to send and press the **Send** soft key. The tones are sent.

Browsing the Contacts list during a call

You can search for a number in the Contacts list during a call.

1. Press the **Options** soft key.
2. Scroll down to highlight the **Contacts** option and press the **Select** soft key.
3. Enter the name that you wish to find.

If you enter the first few letters of the name, the Contact list entries are listed, starting with the first entry matching your input.

4. Use the navigation keys to highlight an entry.
5. To view the highlighted entry, press  or the **View** soft key.

For further details about the Contact list feature, see “Contacts” on page 136.

Call waiting

You can answer an incoming call while you have a call in progress, if your network supports this service and you have set the **Call waiting** option (**Menu 9.5.2.3**) to **Activated**. For further details about call waiting, see “Call settings” on page 159.

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

1. Press the  key or the **Accept** soft key to answer the incoming call. The first call is automatically put on hold.
2. To switch between the two calls, press the **Options** soft key and select **Swap**.
3. To end the call being held, press the **Options** soft key and select **End** and then select **Held call**.

To end the active call, press the  key.

Video Calling

Video calling allows you to see and hear the person you are talking to in real-time from your video calling capable handset to another video calling capable handset. Both phones must be located within a UMTS/ HSDPA coverage area.

Making a video call

To make a video call from the Idle screen:

1. Enter the area code and phone number.
2. Press the video send key .

Your phone switches to video calling mode. During the video call, you will be able to see and hear the person you are talking to in real-time.

3. When you want to end your call, briefly press the end key  or close the phone.

Tip: To quickly make a video call, press the video send key and enter the phone number followed by the video send key again.

To make a video call to one of your Contacts:

1. In Idle mode, press the center key  to access the main menu.
2. Highlight **Contacts** and press the **Select** soft key or the center key.
3. Highlight the desired contact and press the video send key.

Your phone switches to video calling mode. During the video call, you will be able to see and hear the person you are talking to in real-time.

4. When you want to end your call, briefly press the end key  or close the phone.

Receiving a video call

When somebody requests a video call with you, the phone rings and displays the incoming video call image. When the caller can be identified, the caller's phone number or name, if stored in your Contact list, is displayed.

To answer a video call:

1. If necessary, open the phone.
2. Press the video send key  or the **Accept** soft key to answer the incoming video call.

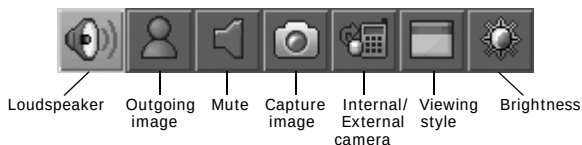
Your phone switches to video calling mode. During the video call, you will be able to see and hear the person you are talking to in real-time.

Note: When you receive a video call, your video will not be transmitted until you click the Show Me soft key. After the video call is set up, then you will be able to see and hear the person you are talking to in real-time.

3. When you want to end your call, briefly press the  key or close the phone.

Options During a Video Call

Your phone provides a number of features that you can use during a video call. The **Options** soft key contains all the video call features and a menu bar at the bottom of the video screen display contains the most popular features. You can use both to change the video call features during a call. Press the **Options** softkey and then navigate left/right or up/down for the various options. Press the center key to change the option. For the menu bar, navigate left or right and press the center key to toggle an option.



- ◆ **Loudspeaker:** Switches between **Normal** speaker volume and **Loudspeaker**. The other phone's sound is not affected.
- ◆ **Outgoing image:** Controls the image or video that is displayed on the other phone. You can select between:
 - ◆ **Show me:** Displays your current camera view (either Internal or External).
 - ◆ **Default image:** Shows the default picture on the other phone. Your camera is no longer transmitting video.
 - ◆ **Freeze me:** Takes a photo using your camera and transmits that photo to the other phone.

Note: To update the photo, select **Show me** again, followed by **Freeze me**.

- ◆ **My image:** Transmits a preselected image stored in your phone's memory. To select the image, see "Settings" on page 38.

- ◆ **Mute:** Press  to check/uncheck one or more of the following:
 - ◆ **All:** To mute/unmute both **My voice** and **Keypad tones**.
 - ◆ **My voice:** Mutes your microphone so that the other caller cannot hear you.
 - ◆ **Keypad tones:** Mutes your keypad tones so that the other caller cannot hear them.
- ◆ **Capture Image:** Saves the current image that you are receiving from the other phone as a photo.
- ◆ **External/Internal camera:** Allows you to switch the view you are transmitting between your internal camera and the external camera.
- ◆ **Viewing style:** Switches the view on your Internal Display between. Press the center key to change views:
 - ◆ full screen view of receiving image
 - ◆ full screen view of my receiving image with picture-in-picture view of transmitting image
 - ◆ full screen view of my transmitting image
 - ◆ full screen view of my transmitting image with picture-in-picture view of receiving image
- ◆ **Brightness:** Allows you to change the brightness of your displayed image. Press the left or right navigation key to adjust the brightness and press the center key  when finished.

Press the **Options** soft key to access the following during a video call:

- ◆ **Normal/Speaker on:** Switches between **Normal** speaker volume and **Loudspeaker**. The other caller's sound is not affected.
- ◆ **Whisper mode on/off:** Increases the microphone sensitivity level so that you do not have to speak louder to be heard by the other party.
- ◆ **Outgoing image:** Controls the image or video that is displayed on the other phone. For more information, see page 35.
- ◆ **Mute:** Allows you to mute/unmute your microphone and keypad volume. For more information, see page 36.

- ◆ **External/Internal camera:** Allows you to switch the view you are transmitting between your internal camera and the external camera.
- ◆ **Capture Image:** Saves the current image that you are receiving from the other phone as a photo.
- ◆ **Display options:** Select this option to choose one of the following:
 - ◆ **Brightness:** Allows you to change the brightness of your displayed image. Press the left or right navigation key to adjust the brightness and press the center key  when finished. This options is not available if **Show me** is not selected.
 - ◆ **Effects:** Allows you to apply effects to your displayed image. This options is not available if **Show me** is not selected.
 - ◆ **Quality:** Allows you to optimize the transmitted video quality for **Normal**, **Little movement** or **Lots of movement**.
 - ◆ **Viewing style:** Switches the view on your Internal Display. For more information, see page 36.
 - ◆ **Zoom:** Allows you to increase or decrease the zoom of your displayed image. This options is not available if **Show me** is not selected.
 - ◆ **Hide/Show caller ID:** Hides the caller ID of the person you are speaking with from your screen.
- ◆ **More options**
 - ◆ **Contacts:** Allows you to access your Contacts list. Your video call will continue.
 - ◆ **Send message:** Allows you to create and send a new text or multimedia message. Your video call will continue.
 - ◆ **Message inbox:** Allows you to access your Message Inbox. Your video call will continue.
 - ◆ **Send DTMF:** Sends DTMF (Dual Tone Multi-Frequency) tones to the person you are calling. These DTMF tones are sent as a group. The DTMF tones are the tones used in phones for tone dialling, sounding when you press the number keys. This option is helpful for entering a password or an account number when you call an automated system, like a banking service.

- ◆ **Calendar:** Allows you to temporarily access your calendar. Your video call will continue.
- ◆ **Notes:** Allows you to create a note with the current phone number. Your video call will continue.
- ◆ **Switch to voice call:** Ends the video call and initiates a voice call.
- ◆ **Settings:** Saves the current image that you are receiving from the other phone as a photo.
 - ◆ **Select my image:** Press the **Select** soft key and select either **Get from Media** or **Use preset image**.
 - ◆ **Use call fail options:** Select either **Off** or **On**. When this option is on, you will be prompted to choose another connection method when a video call connection is not successful.
 - ◆ **Auto redial:** Select either **Off** or **On**. While On, your phone will redial automatically if a call is unable to connect or is cut off.

Entering Text

When using your phone, you will often need to enter text, such as when storing a name in the Contacts list, creating your personal greeting or scheduling events on your calendar. You can enter alphanumeric characters by using your phone's keypad.

Your phone has the following text input modes:

- ◆ **T9 mode:** This mode allows you to enter words with only one keystroke per letter. Each key on the keypad has more than one letter; for example, when you press the  key once, J, K or L displays. T9 mode automatically compares your keystrokes with an internal linguistic dictionary to determine the correct word, thus requiring far fewer keystrokes than the traditional Alphabet mode.
- ◆ **Alphabet mode:** This mode allows you to enter letters by pressing the key labeled with the letter you want. Press the key once, twice, three or four times until the desired character displays.
- ◆ **Number mode:** This mode allows you to enter numbers.
- ◆ **Symbol mode:** This mode allows you to enter various symbols and special characters.

Changing the text input mode



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

To change the text input mode:

- ◆ Press and hold the key to switch between **Abc** : Alphabet mode and **T9** : T9 mode.
- ◆ Press the key to cycle between upper and lower case (for both T9 mode and Alphabet mode) and for **123** : Numeric mode.
- ◆ You can also change the text input mode by pressing the **Options** soft key and selecting **Input method**. Highlight the desired input method (and case) and press the key.

Using T9 Mode

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

For information on changing input modes, see “Changing the text input mode” on page 40.

To enter a word in T9 mode:

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

Example: To enter “HELLO” in T9 mode, press the , , , , and  keys.

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

2. Enter the whole word before editing or deleting the keystrokes.
3. When the word displays correctly, go to step 4.

If the word displayed is not the one you want, press the  key to display alternative word choices for the keys that you have pressed.

Note: Example: Both “Of” and “Me” have the  and  keys. The phone displays the most commonly used choice first.

4. Insert a space by pressing the  key and start entering the next word.

To add a new word into the T9 dictionary:

1. After pressing the keys corresponding to the word you want to add, press the  key to display the alternative words.
2. When you press the  key on the last alternative word, the left soft key changes to **Spell**. Press the **Spell** soft key.
3. If necessary, clear the word using  and enter the word you want using Alphabet mode. See page 42.

4. Press the **Add** soft key. The word is added to the T9 dictionary and becomes the first word for the associated key presses.
- ◆ To enter periods, hyphens or apostrophes, press the  key. T9 mode applies grammar rules to ensure that the correct punctuation is used.
 - ◆ To shift the case in T9 mode, use the  key.
 - ◆ You can move the cursor by using the left and right navigation keys. To delete letters, press . Press and hold  to clear the display.

Using Alphabet mode

Use the 0 to 9 keys to enter your text. For information on changing input modes, see “Changing the text input mode” on page 40.

1. Press the keys labeled with the letter you want:
 - Once for the first letter
 - Twice for the second letter
 - And so on
2. Select the other letters in the same way.

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

Refer to the table below for further details about the characters available:

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

- ◆ To shift the case in Alphabet mode, use the  key.
- ◆ You can move the cursor by using the left and right keys. To delete letters, press . Press and hold  to clear the display.

Using Number mode

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

Using Symbol mode

Symbol mode enables you to insert symbols into a text message. Press and hold the  key access Symbol mode.

To	Press the
select a symbol	corresponding number key adjacent the symbol.
display more symbols	navigation keys.
clear the symbol(s)	 key.
insert the symbol(s) into your message	OK soft key.
cancel your input and return to the previous mode	Cancel soft key.

Transferring Files between your Phone and PC

You can transfer songs and other files such as pictures, video clips, or Personal Information Management (PIM) files between your phone and personal computer in several different ways, including:

- ◆ using a USB cable
- ◆ using the phone's Bluetooth feature
- ◆ using a microSD card reader
- ◆ downloaded over the wireless Internet

Your phone comes with Samsung's PC Studio 3 software, which allows you to manage your Contacts, transfer messages, song and other files between your phone and a computer.

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

Transferring files over the USB cable

Using PC Studio 3, you can transfer files such as mp3s from your computer to your phone over a USB cable. Do not plug the USB cable to a USB port on your PC until instructed.

1. Install the Samsung PC Studio 3 software (provided with your phone) on your PC.

2. Start the PC Studio 3 software, and follow the connection wizard instructions. Connect the USB cable to a USB port on your PC and to your phone when instructed.
3. Select **Transfer files**. The Phone Explorer window appears. It displays the folders on your phone in the top-left and the folders on your PC in the bottom-left.
4. Using the Phone Explorer, navigate to the folder(s) containing the files you wish to transfer. You can drag and drop files between your computer's and your phone's folders.

Note: When transferring mp3 files onto your phone place them in the **Music** folder on your phone.

Note: Files transferred from the computer are stored in your phone's memory. You can transfer them from the phone's memory to a microSD card if necessary.

Transferring files via Bluetooth

Before you can use Bluetooth to transfer files, you must ensure that the proper Bluetooth hardware and software are installed on your PC.

1. Install the Samsung PC Studio 3 software (provided with you phone) on a Bluetooth-enabled PC.
2. Start the PC Studio 3 software.
3. Select **Transfer files**. The Phone Explorer window appears. It displays the folders on your phone in the top-left and the folders on your PC in the bottom-left.

4. Select **Connection** on the **File** menu. Select **Bluetooth**. If you do not have a Bluetooth connection established, follow the on-screen instructions to create your connection.

Note: To receive data via Bluetooth, your phone's Bluetooth feature must be active. For more information on activating Bluetooth on your phone, see "Activation" on page 171.

5. Using the Phone Explorer, navigate to the folder(s) containing the files you wish to transfer. You can drag and drop files between your computer's and your phone's folders.

Note: When transferring mp3 files onto your phone place them in the **Music** folder on your phone.

Note: Files transferred from the computer are stored in your phone's memory. If desired, you can transfer them from the phone's memory to a microSD card.

Transferring files via your microSD card

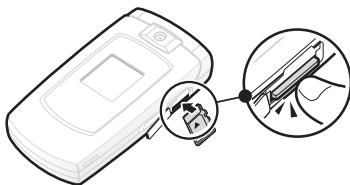
Your phone supports microSD (Secure Digital) memory cards, which you can use to expand the phone's available memory space. It allows you to easily store images, videos, music files, and voice data in your phone. You can also use the cards to transfer files to and from your PC if your PC is equipped with a microSD card reader.

Note: Before using your microSD card, it must be formatted with a FAT32 file system. Please check the documentation that comes with your memory card before using it with your handset.

Inserting the microSD card

To insert the microSD card into your phone:

1. With the microSD card slot opened, and the gold contacts facing down, insert the microSD card into the slot.



2. Position the microSD card perpendicular to the opening and gently slide it into place until it is fully inserted and locked. Ensure that the microSD card is locked in place before replacing the protective cover.

Note: If this is the first time that the microSD card is inserted into your phone, your phone will create folders for Music, Sounds, Images, etc.

Note: Be sure to use only recommended memory cards (up to 1GB). Using non-recommended memory cards could cause data loss and damage your phone

MicroSD icon indicators

The MicroSD icon  is displayed on the main screen to indicate that a microSD card is inserted in the handset.

Note: Make sure your battery is fully charged before using the microSD card. Your data may become damaged or unusable if the battery runs out while reading or writing to the microSD card.

Formatting the microSD card

If this is the first time that the microSD card is inserted into your phone, your phone will create folders for Music, Sounds, Images, etc.

1. Insert the card into the slot as described in “Inserting the microSD card” on page 48.
2. In Idle mode, press the  key and open the Media menu (**Menu 2**).
3. Press the **Options** soft key, highlight **Memory card settings**, and press the **Select** soft key.
4. Scroll down to **Format** and press the **Select** soft key.
5. You may be prompted regarding losing the data on the memory card. Press the **Yes** soft key if you agree. The card is formatted.
6. Enter a card name. This will help you identify the card if you have multiple cards.
7. Press the **Save** soft key.

Transferring songs via microSD card

You can copy music, and other files from your PC directly to your microSD card.

1. Insert the microSD card into your PC's card reader. For more information on how to insert a microSD card into an SD-compatible reader, see "Using the microSD adapter" on page 51.
2. If the card has not previously been inserted into your phone, create a Folder on your microSD card called "Music".

Note: When you insert your microSD card into your phone, the Music folder is automatically created.

3. Copy your music files to the Music folder on the microSD card.
4. When you are finished copying the files, transfer the microSD card to your phone.

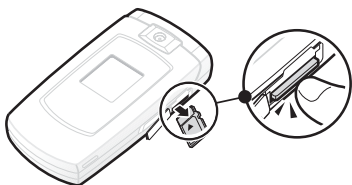
Note: Samsung recommends to use PC Studio 3 for transferring file and music.

Removing the microSD card

To remove the microSD card from your phone:

1. Open the microSD access panel located on the bottom-right side of the phone.

2. Use your thumb to press and release the microSD card. It will pop-out to allow you to remove the card.



3. Pull the microSD card out of the handset.

Warning: DO NOT remove a microSD card while files are being accessed or transferred. It could result in loss or damage of data.

Using the microSD adapter

Available microSD adapters allow microSD cards to be used in SD-compatible devices including computers with card readers. Some adapters can connect to USB ports.

To insert the microSD card into a microSD adapter:

- ◆ With the label side of the microSD card facing up, insert the card into the microSD adapter and gently slide the card until it is fully inserted.

To remove the microSD card from the microSD adapter:

- ◆ Hold the front edge of the microSD card and gently pull outward to remove it from the adapter.

Menus

The navigation key on your phone allows 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 navigate through a menu, simply press the navigation key up or down. If you are in a first-level menu, such as **Settings**, you may also navigate to the next menu by pressing the navigation key left or right.
- ◆ As you navigate through the menu, menu options are highlighted. Select any numbered option by simply pressing the corresponding number on the phone's keypad. You may also select any item by highlighting it and pressing the **Select** soft key or the  key.
- ◆ Some submenus display  to the right of an option, indicating additional sub-options. Highlight the option and press either the Right navigation key or the  key to display the sub-options.

Tip: You can also access numbered menu items by pressing the number key by pressing the number keys (1 to 0) corresponding to their location on the screen. For example, from the Main Menu, press [9] for **Settings**.

To	Press the
scroll through the menus	up or down navigation key, or the Volume  key.
confirm the chosen setting	Select soft key or  key.
return to the previous menu level	Back soft key or  key.
exit the menu without changing the settings	 key.

Menu style

You can select the format in which menu items are displayed. You can choose between a 3x3 grid of icons, or a list. For more information, see “Menu style” on page 149.

Pop up list menu

You can enable the Pop up list menu feature to view submenus without having to open the parent menu. When this option is on, a pop up menu appears on the screen when you highlight a menu. The pop up menu displays what is inside the highlighted menu so that you do not have to open the menu to see what it contains. Press the right navigation key to access items in the pop up menu. Then you can scroll up or down to select an item in the menu.

For information on enabling and disabling Pop up list menu, see “Pop up list menu” on page 149.



List of Menu Functions

1. Internet (See page 63)

1. Home
2. Bookmarks
3. Saved pages
4. History
5. Advanced
 1. Clear cache
 2. Empty cookies
 3. Cookie options
 - Accept all
 - Reject all
 - Prompt

4. Preferences
 - Run JavaScript
 - Display images
 - Play sound
5. About browser
6. Browser settings
 - GoRogers
 - RogersMedia

2. Media (See page 68)

- Ring Tunes
 - Download Ring Tunes
- Graphics
 - Download Graphics
- Video
 - Download Videos
- Music
- Voice list
- Media applications
 1. Camera
 2. Media player
 - All music
 - Recent music
 - Most played music
 3. Record audio
- Other files
- Memory status

3. Games & Apps (See page 94)

- Download games
- GameloftMEGAHits
- Wheel Of Fortune 2005

4. Call History (See page 96)

1. All calls
2. Missed calls
3. Calls made

4. Calls received
5. Voice mail
 1. Connect to voice mail
 2. Voice/Video mail number
6. Video mail
 1. Connect to Video mail
 2. Voice/Video mail number
7. Speed dial
8. Delete all
 - All calls
 - Missed calls
 - Calls made
 - Calls received
9. Voice call time
 - Last voice call time
 - Total sent
 - Total received
10. Video call time
 - Last video call time
 - Total sent
 - Total received

5. Vision (See page 104)

1. Rogers Mobile TV
2. Rogers Video/Radio
3. Rogers Music Player

6. Messages (See page 106)

1. Rogers IM*
 1. Sign in
 2. Saved conversations
 3. Offline conversations (Yahoo! only)
 4. Settings
 1. Choose your community
 2. Community settings
 3. Profile settings

- *. The first time you use Instant Messaging, you will be prompted to choose between MSN Messenger and Yahoo!.

- 5. Help
 - 1. Service provider info
 - 2. Help text
- 2. Create new message
 - 1. Message
 - 2. Email
- 3. Inbox
- 4. Email inbox
- 5. Sent
- 6. Outbox
- 7. Drafts
- 8. My folder
- 9. Templates
 - 1. Text templates
 - 2. Multimedia message templates
- 10. Delete all
 - All
 - Inbox
 - Email inbox
 - Sent
 - Outbox
 - Drafts
 - My folder
- 11. Messages settings
 - 1. Text message
 - 1. Common settings
 - 2. Text message center settings
 - 2. Multimedia message
 - 1. Sending options
 - 2. Receiving options
 - 3. Multimedia message profiles
 - 4. Auto resize image
 - 5. Creation mode
 - 6. Default style
 - 3. Email
 - 1. Sending options
 - 2. Receiving options
 - 3. Email profiles
 - 4. Email accounts

- 4. Broadcast
 - Activation
 - Receiving channels
 - My channels
 - Language
- 5. Voice/Video mail
- 6. Push message
 - Receiving option
 - Service loading
- 12. Memory status

7. Tools (See page 123)

- 1. Alarms
 - 1. Wake-up alarm
 - 2. Alarm1
 - 3. Alarm2
 - 4. Alarm3
 - 5. Alarm4
 - 6. Auto power-up
- 2. Calendar
- 3. Tasks
- 4. Notes
- 5. Calculator
- 6. Tip calculator
- 7. Converter
 - 1. Currency
 - 2. Length
 - 3. Weight
 - 4. Volume
 - 5. Area
 - 6. Temperature
- 8. World time
- 9. Timer
- 10. Stopwatch

8. Contacts (See page 136)

- Contacts (tab)
- Groups (tab)
 - Family
 - Friends
 - Work

9. Settings (See page 142)

1. Profiles
 - Normal
 - Silent
 - Driving
 - Meeting
 - Outdoor
 - Offline
2. Display settings
 1. Main display
 1. Wallpaper
 2. Greeting message
 3. Menu style
 4. Pop up list menu
 5. Idle screen setting
 6. Dialing display
 2. Front display
 1. Wallpaper
 2. Greeting message
 3. Light settings
 1. Brightness
 2. Backlight time
 3. Keypad light
 4. Touch light
 5. Front LCD contrast
3. Time & date
 - Time zone updating
 - Home zone
 - Time
 - Date
 - Time format
 - Date format

- 4. Phone settings
 - 1. Language
 - Screen text
 - Input T9
 - 2. Shortcuts
 - 3. Own number
 - 1.TELEPHONE
 - 2.Empty
 - 3.Empty
 - 4.Empty
- 5. Call settings
 - 1. All calls
 - 1.Show my number
 - 2.Closed user group
 - 3. Auto reject
 - 4.Answering mode
 - 5.Show caller ID
 - 6.Call status tones
 - 7. Alerts on call
 - 2. Voice call
 - 1.Call forwarding
 - 2.Call barring
 - 3.Call waiting
 - 4.Auto redial
 - 3. Video call
 - 1.Select my image
 - 2.Use call fail options
 - 3.Call forwarding
 - 4.Call barring
 - 5.Auto redial
 - 4. Data call
 - 1.Call forwarding
 - 2.Call barring
 - 3.Call Waiting
- 6. Connectivity
 - 1. Bluetooth
 - 1.Activation
 - 2.My devices
 - 3.My phone's visibility

- 4. My phone's name
- 5. Secure mode
- 6. Bluetooth service
- 2. Network selection
 - Automatic
 - Manual
- 3. Connections
 - GoRogers
 - RogersMedia
 - RogersInternet
 - streaming
- 7. Application settings
 - 1. Message settings (see "Messages settings" on page 56)
 - 2. Browser settings (see "Browser settings" on page 54)
 - 3. Camera settings
 - Size (Tab)
 - Quality (Tab)
 - Display (Tab)
 - Scene program (Tab)
 - Shutter sound (Tab)
 - Multi-shot speed (Tab)
 - White balance (Tab)
 - Default storage (Tab)
 - Default name (Tab)
 - 4. Camcorder settings
 - Recording mode (Tab)
 - Size (Tab)
 - Quality (Tab)
 - Audio recording (Tab)
 - White balance (Tab)
 - Default storage (Tab)
 - Default name (Tab)
 - 5. Media player settings
 - Repeat
 - Shuffle
 - Visualization type
 - Volume
 - Show controller

- 6. VOD settings
 - GoRogers
 - RogersMedia
 - RogersInternet
 - streaming
- 7. Record audio settings
 - Default name
 - Recording time
- 8. Calendar settings
 - 1.Starting day
 - 2.Default view mode
- 9. Contact settings
 - 1.Speed dial
 - 2.Save new contacts to
 - 3.View contacts from
 - 4.Own number
- 8. Security
 - 1. Phone lock
 - On/Off
 - 2. SIM lock
 - On/Off
 - 3. PIN check
 - On/Off
 - 4. Lock applications
 - Lock all
 - Messages
 - Media
 - Call History
 - Contacts
 - Calendar
 - Notes
 - IM
 - Tasks
 - 5. FDN mode
 - On/Off
 - 6. Change phone password
 - 7. Change PIN code
 - 8. Change PIN2 code
 - 9. Mobile tracker
 - On/Off

- 9. Reset settings
 - All
 - Phone settings
 - Display settings
 - Profiles
 - Alarms
- 10. Memory settings
 - 1. Clear memory
 - All
 - Media
 - Messages
 - Contacts
 - Calendar
 - Tasks
 - Notes
 - 2. Memory status
 - 1.Shared memory
 - 2.Messages
 - 3.Media
 - 4.Calendar
 - 5.Tasks
 - 6.Notes
 - 7.Contacts

Internet

This menu (**Menu 1**) allows you to surf the Internet, create bookmarks, configure your Internet browser or clear your cache.

Home

This menu (**Menu 1.1**) takes you to an online homepage provided by your service provider. Selecting this menu connects the phone to the network and loads the homepage.

- ◆ To scroll through the screen, use the up and down navigation keys.
- ◆ To select a browser item, press the  key.
- ◆ To exit the browser at any time, press the  key.

Exiting the internet browser

To exit the browser at any time, press the  key.

Navigating the internet browser

To	Press the
scroll through and select browser items	up or down navigation key until the item is highlighted, and then press the  key to confirm the selection.
select a numbered item	corresponding numeric key.
return to the previous page	Back soft key or the  key.
return to the startup homepage	press the Options soft key, select Go to homepage .

Entering text in the internet browser

When you are prompted to enter text, the current text input mode is indicated on the screen. See “Entering Text” on page 39 for information.

Bookmarks

With the Bookmarks menu (**Menu 1.2**), you can create bookmarks for your favorite Internet sites. Bookmarks store your favorite URL addresses for quick access later.

To create a bookmark

You can create bookmarks for your favorite web pages:

- ◆ While viewing the web page you wish to bookmark, press the **Options** soft key, select **Add Bookmarks**.

To access a web page using a bookmark

1. In Idle mode, press the **Menu** soft key to access the menu.
2. Highlight **Internet** and press the **Select** soft key or the  key.
3. Highlight **Bookmarks** and press the **Select** soft key or the  key.
4. Scroll to the desired bookmark and press the  key.

Saved pages

You can save a web page for offline viewing later. The **Saved pages** option (**Menu 1.3**) displays a list of web pages that you have saved.

- ◆ To view a saved web page, highlight the desired web page on the list and press the  key.
- ◆ To save a web page you are currently viewing, press the **Options** soft key and select **Save**, then highlight **Web page** and press the  key.

History

The History option (**Menu 1.4**) displays a list of your most recently visited sites.

- ◆ To view a recently visited site, highlight the desired site in the History list and press the  key.
- ◆ To delete a site from your History list, highlight the site and press the **Options** soft key. Select **Delete**, followed by **Selected** to delete the current site or **All** to erase your History list.

Advanced

The Advanced menu (**Menu 1.5**) lets you manage your browser cache, saved cookies, and preferences.

Clear cache

The Clear cache menu (**Menu 1.5.1**) lets you clear the information stored in the cache, the phone's temporary memory, which stores the most recently accessed Web pages.

- ◆ To clear, press the **Yes** soft key to confirm the deletion. Otherwise, press the **No** soft key.

Empty cookies

The Empty cookies menu (**Menu 1.5.2**) lets you empty all the stored cookies from your browser. Cookies are text files given to your browser by a web server. Cookies are primarily used to identify users for later visits to the web site that provided the cookie.

- ◆ To clear, press the **Yes** soft key to confirm the deletion. Otherwise, press the **No** soft key.

Cookie options

Cookie options (**Menu 1.5.3**) let you configure how your browser handles cookies. Highlight one of the following and press the **Save** soft key.

- ◆ **Accept all:** Accepts all cookies.
- ◆ **Reject all:** Rejects all cookies.
- ◆ **Prompt:** Prompts you every time that a web site wishes to send you a cookie.

Preferences

Preferences (**Menu 1.5.4**) let you configure how your browser handles multimedia content and web scripts. Highlight one of the following and press the ☐ key to check or uncheck the option. When you are finished, press the **Save** soft key.

- ◆ **Run JavaScript:** your browser will run any JavaScript on the web page.
- ◆ **Display images:** your browser will download and display all images on the web page.
- ◆ **Play sound:** your browser will play sounds on the web page.

About browser

The About browser option (**Menu 1.5.5**) displays the current browser software version.

Browser settings

Browser settings (**Menu 1.6**) let you set up and choose different profiles for the Internet browser.

To change your browser profile:

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Internet** and press the **Select** soft key or the  key.
3. Highlight **Browser settings** and press the **Select** soft key or the  key.
4. Highlight the profile you want to use and press the  key.

For more information managing and editing browser profiles, see “Connections” on page 176.

Media

The Media menu (**Menu 2**) is used to manage your collection of ring tones, graphics, videos, music and other files. as well as recorded audio files. Files are organized in a series of named folders, but you can create additional folders or folders within folders to further organize your files.

This menu also lets you access the phone's built in camera, camcorder, media player and audio recorder.

By default, you can access the following folders from this menu:

Note: If you have inserted a microSD memory card, you can scroll right or left while in the Media menu (**Menu 2**) to view these same folders, and the files they contain, in the memory card.

- ◆ **Ring Tunes:** Contains ring tune files that come with the phone, as well as those that you download. You can also access the **Download Ring Tunes** tool from this folder. For more information, see “Ring Tunes” on page 69.
- ◆ **Graphics:** Contains graphic files that come with the phone, as well as those that you download or create with the built in camera. You can also access the **Download Graphics** tool from this folder. For more information, see “Graphics” on page 71.
- ◆ **Video:** Contains video files that you have downloaded or created with the built in camcorder. You can also access the **Download Videos** tool from this folder. For more information, see “Video” on page 73.
- ◆ **Music:** Contains downloaded music files. For more information, see “Music” on page 75.
- ◆ **Voice list:** Contains the audio files that you create with the built in recorder. For more information, see “Voice list” on page 76.
- ◆ **Media applications:** Provides access to the phone's built in camera, camcorder, media player and audio recorder. For more information, see “Media applications” on page 78.

- ◆ **Other files:** Contains files that you have saved to this folder. By default, the calendar files you save are saved to this location. For more information, see “Other files” on page 78
- ◆ **Memory status:** Displays the current memory usage for each of the Media folders listed above, and for files saved from the Games and apps menu (**Menu 3**). For more information on Memory status, see “Memory status” on page 80.

Ring Tunes

In this folder, you can shop for new ring tunes, play a ring tune from your collection, and set default ringers for different types of calls. For descriptions of available options, see “Ring Tunes options” on page 69.

Download Ring Tunes

The **Download Ring Tunes** option allows you to download ring tunes from your service provider. Follow the online instructions shown on your display screen after you launch this service. To launch the service, scroll to **Download Ring Tunes** and press the  key. Press the **Options** soft key to access additional options.

Ring Tunes options

The following options are available when you press the **Options** soft key while in the Ring tunes folder. The availability of some of these options depends on what is currently highlighted (selected) in the folder:

- ◆ **Play:** Plays the currently selected ring tune.
- ◆ **Set as:** Lets you set the selected ring tune as your **Voice call Ring Tune**, **Video call Ring Tune** or **Caller Ring Tune**.
- ◆ **Move:** Lets you move the **Selected** file or **Multiple** files to another folder on the phone or in the microSD memory card if one is inserted.

- ◆ **Copy:** Lets you place a copy of the **Selected** file or **Multiple** files in another location, including folder on the microSD memory card if one is inserted.
- ◆ **Delete:** Lets you delete the **Selected** file or select **Multiple** files for deletion.
- ◆ **Rename:** Lets you change the name of the selected file.
- ◆ **Create folder:** Lets you create a subfolder. After you create a folder, you can highlight it and access the following additional options from the **Option** soft key:
 - ◆ **Open:** Opens the selected folder or subfolder.
 - ◆ **Create folder:** Lets you create a folder.
 - ◆ **Move folder:** Lets you move the folder to another location.
 - ◆ **Copy folder:** Lets you place a copy of the selected folder in another location.
 - ◆ **Delete folder:** Deletes the selected folder or subfolder.
 - ◆ **Rename folder:** Lets you rename the selected folder or subfolder.
 - ◆ **Sort by:** Lets you arrange all your files by **Date**, **Type**, **Name** or **Size**.
 - ◆ **Bluetooth visibility:** Allows the media file to be shared or released for the use with another Bluetooth device.
 - ◆ **Memory card settings:** Lets you set the defaults for Memory card settings. For more information, see “Memory card settings” on page 71.
 - ◆ **Properties:** Displays all the properties of the currently selected folder.
- ◆ **Sort by:** Lets you arrange all your files by **Date**, **Type**, **Name** or **Size**.
- ◆ **Bluetooth visibility:** Allows the media file to be shared or released for the use with another Bluetooth device.
- ◆ **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.

Memory card settings

If you have inserted a microSD memory card, you can access settings that let you view card details, format the card and configure the card name and Bluetooth visibility.

- ◆ **Memory card details:** Displays information about your the microSD card.
- ◆ **Format:** Formats or reformats the microSD card to work with the phone.
- ◆ **Rename memory card:** Lets you rename the card.
- ◆ **Bluetooth visibility:** Enables or disables Bluetooth visibility for the card. Allows other Bluetooth-enabled devices within range to download access information on the card.

Graphics

This folder, contains your collections of provided and downloaded pictures. You can download additional images. You can also select and set pictures to be displayed as wallpaper on the LCD screens on your phone, or as caller ID images that are displayed to identify callers. For descriptions of available options, see “Graphics options” on page 72.

Download Graphics

The **Download Graphics** option allows you to download images from your service provider. Follow the online instructions shown on your display screen after you launch this service. To launch the service, scroll to **Download Graphics** and press the  key. Press the **Options** soft key to access additional options.

Graphics options

The following options are available when you press the **Options** soft key while in the Graphics folder. The availability of some of these options depends on what is currently highlighted in the folder:

- ◆ **View**: Displays the image. While viewing the image, press the **Options** soft key to access additional options.
- ◆ **Send via**: Lets you send the selected file to a recipient in a **Message** or **Email**. You can also send the file via **Bluetooth** to another Bluetooth device.
- ◆ **Set as**: Lets you set the selected image as wallpaper on the **Main display** or **Front display**. You can also set the image to be used as a **Caller ID**.
- ◆ **Move**: Lets you move the **Selected** file or **Multiple** files to another folder on the phone or in the microSD memory card if one is inserted.
- ◆ **Copy**: Lets you place a copy of the **Selected** file or **Multiple** files in another location, including folder on the microSD memory card if one is inserted.
- ◆ **Delete**: Lets you delete the **Selected** file or select **Multiple** files for deletion.
- ◆ **Rename**: Lets you change the name of the selected file.
- ◆ **Take photo**: Lets you take a picture using your phone's camera.
- ◆ **Create folder**: Lets you create a subfolder. After you create a folder, you can highlight it and access the following additional options from the **Option** soft key:
 - ◆ **Open**: Opens the selected folder or subfolder.
 - ◆ **Create folder**: Lets you create a folder.
 - ◆ **Move folder**: Lets you move the folder to another location.
 - ◆ **Copy folder**: Lets you place a copy of the selected folder in another location.
 - ◆ **Delete folder**: Deletes the selected folder or subfolder.
 - ◆ **Rename folder**: Lets you rename the selected folder or subfolder.
 - ◆ **Sort by**: Lets you arrange all your files by **Date**, **Type**, **Name** or **Size**.

- ◆ **Bluetooth visibility:** Allows the media file to be shared or released for the use with another Bluetooth device.
- ◆ **Memory card settings:** Lets you set the defaults for Memory card settings. For more information, see “Memory card settings” on page 71.
- ◆ **Properties:** Displays all the properties of the currently selected folder.
- ◆ **Sort by:** Lets you arrange all your files by **Date**, **Type**, **Name** or **Size**.
- ◆ **Bluetooth visibility:** Allows the media file to be shared or released for the use with another Bluetooth device.
- ◆ **Print via:** Lets you print the media file via **USB** connection to a printer or computer, or via **Bluetooth**.
- ◆ **Lock/Unlock:** Lets you lock the file and unlock it when necessary. Locking files prevents accidental deletion.
- ◆ **Properties:** Display all the properties of the currently selected file.

Video

In this folder, you can view the videos you have taken using the built in camcorder, as well as videos downloaded from the web server. You can also download additional videos to add to your collection.

Download Videos

Using the **Download Videos** option, you can access your Service Provider’s site where you can download new videos. Follow the online instructions shown on your display screen after you launch this service. To launch the service, scroll to **Download Videos** and press the  key. Press the **Options** soft key to access additional options.

Video options

Highlight an item and press the **Options** soft key. The availability of some of these options depends on what is currently highlighted (selected) in the folder:

- ◆ **Play:** Plays the currently selected video.
- ◆ **Send via:** Lets you send the selected file to a recipient in a **Message** or **Email**. You can also send the file via **Bluetooth** to another Bluetooth device.
- ◆ **Move:** Lets you move the **Selected** file or **Multiple** files to another folder on the phone or microSD memory card if one is inserted.
- ◆ **Copy:** Lets you place a copy of the **Selected** file or **Multiple** files in another location, including folder on the microSD memory card if one is inserted.
- ◆ **Delete:** Lets you delete the **Selected** file or select **Multiple** files for deletion.
- ◆ **Rename:** Lets you change the name of the selected file.
- ◆ **Record video:** Lets you record and save a video clip using your phone's camcorder.
- ◆ **Create folder:** Lets you create a subfolder. After you create a folder, you can highlight it and access the following additional options from the **Option** soft key:
 - ◆ **Open:** Opens the selected folder or subfolder.
 - ◆ **Create folder:** Lets you create a folder.
 - ◆ **Move folder:** Lets you move the folder to another location.
 - ◆ **Copy folder:** Lets you place a copy of the selected folder in another location.
 - ◆ **Delete folder:** Deletes the selected folder or subfolder.
 - ◆ **Rename folder:** Lets you rename the selected folder or subfolder.
 - ◆ **Sort by:** Lets you arrange all your files by **Date**, **Type**, **Name** or **Size**.
 - ◆ **Bluetooth visibility:** Allows the media file to be shared or released for the use with another Bluetooth device.

- ◆ **Memory card settings:** Lets you set the defaults for Memory card settings. For more information, see “Memory card settings” on page 71.
- ◆ **Properties:** Displays all the properties of the currently selected folder.
- ◆ **Sort by:** Lets you arrange your files by **Date**, **Type**, **Name** or **Size**.
- ◆ **Bluetooth visibility:** Allows the media file to be shared or released for the use with another Bluetooth device.
- ◆ **Lock/Unlock:** Lets you lock the file and unlock it when necessary. Locking files prevents accidental deletion.
- ◆ **Properties:** Display all the properties of the currently selected file.

Music

In this folder, you can access your music files. Press the **Options** soft key to access additional options.

Music options

Press the **Options** soft key to select one of the following options. The availability of some of these options depends on what is currently highlighted (selected) in the folder:

- ◆ **Play:** Plays the currently selected audio file.
- ◆ **Send via:** Lets you send the selected file to a recipient in a **Message** or **Email**. You can also send the file via **Bluetooth** to another Bluetooth device.
- ◆ **Move:** Lets you move the **Selected** file or **Multiple** files to another folder on the phone or in the microSD memory card if one is inserted.
- ◆ **Copy:** Lets you place a copy of the **Selected** file or **Multiple** files in another location, including folder on the microSD memory card if one is inserted.
- ◆ **Delete:** Lets you delete the **Selected** file or select **Multiple** files for deletion.
- ◆ **Rename:** Lets you change the name of the selected file.
- ◆ **Add to playlist:** Lets you add the file to a saved playlist.

- ◆ **Create folder:** Lets you create a subfolder. After you create a folder, you can highlight it and access the following additional options from the **Option** soft key:
 - ◆ **Open:** Opens the selected folder or subfolder.
 - ◆ **Create folder:** Lets you create a folder.
 - ◆ **Move folder:** Lets you move the folder to another location.
 - ◆ **Copy folder:** Lets you place a copy of the selected folder in another location.
 - ◆ **Delete folder:** Deletes the selected folder or subfolder.
 - ◆ **Rename folder:** Lets you rename the selected folder or subfolder.
 - ◆ **Sort by:** Lets you arrange all your files by **Date, Type, Name** or **Size**.
 - ◆ **Bluetooth visibility:** Allows the media file to be shared or released for the use with another Bluetooth device.
 - ◆ **Memory card settings:** Lets you set the defaults for Memory card settings. For more information, see “Memory card settings” on page 71.
 - ◆ **Properties:** Displays all the properties of the currently selected folder.
- ◆ **Sort by:** Lets you arrange all your files by **Date, Type, Name** or **Size**.
- ◆ **Bluetooth visibility:** Allows the media file to be shared or released for the use with another Bluetooth device.
- ◆ **Lock/Unlock:** Lets you lock the file and unlock it when necessary. Locking files prevents accidental deletion.
- ◆ **Properties:** Display all the properties of the currently selected file.

Voice list

This folder contains the audio files that you create with the built in recorder. This is the default save location for recorded audio files.

Voice list options

Press the **Options** soft key to select one of the following options. The availability of some of these options depends on what is currently highlighted (selected) in the folder:

- ◆ **Play:** Plays the currently selected audio file.
- ◆ **Send via:** Lets you send the selected file to a recipient in a **Message** or **Email**. You can also send the file via **Bluetooth** to another Bluetooth device.
- ◆ **Move:** Lets you move the **Selected** file or **Multiple** files to another folder on the phone or in the microSD memory card if one is inserted.
- ◆ **Copy:** Lets you place a copy of the **Selected** file or **Multiple** files in another location, including folder on the microSD memory card if one is inserted.
- ◆ **Delete:** Lets you delete the **Selected** file or select **Multiple** files for deletion.
- ◆ **Rename:** Lets you change the name of the selected file.
- ◆ **Record audio:** Lets you record and save an audio clip using your phone's microphone. Recorded clips are saved to the **Voice list** folder.
- ◆ **Create folder:** Lets you create a subfolder. After you create a folder, you can highlight it and access the following additional options from the **Option** soft key:
 - ◆ **Open:** Opens the selected folder or subfolder.
 - ◆ **Create folder:** Lets you create a folder.
 - ◆ **Move folder:** Lets you move the folder to another location.
 - ◆ **Copy folder:** Lets you place a copy of the selected folder in another location.
 - ◆ **Delete folder:** Deletes the selected folder or subfolder.
 - ◆ **Rename folder:** Lets you rename the selected folder or subfolder.
 - ◆ **Sort by:** Lets you arrange all your files by **Date**, **Type**, **Name** or **Size**.
 - ◆ **Bluetooth visibility:** Allows the media file to be shared or released for the use with another Bluetooth device.

- ◆ **Memory card settings:** Lets you set the defaults for Memory card settings. For more information, see “Memory card settings” on page 71.
- ◆ **Properties:** Displays all the properties of the currently selected folder.
- ◆ **Sort by:** Lets you arrange all your files by **Date**, **Type**, **Name** or **Size**.
- ◆ **Bluetooth visibility:** Allows the media file to be shared or released for the use with another Bluetooth device.
- ◆ **Lock/Unlock:** Lets you lock the file and unlock it when necessary. Locking files prevents accidental deletion.
- ◆ **Properties:** Display all the properties of the currently selected file.

Media applications

Provides access to the phone’s built in camera, camcorder, media player and audio recorder.

- ◆ For information on taking pictures and videos, see “Camera” on page 80.
- ◆ For information on using the media player, see “Media player” on page 87.
- ◆ For information on making audio recordings, see “Record Audio” on page 91.

Other files

This folder allows you to store and access other types of files on your phone. This includes Excel spreadsheets, text files, WMF files, PowerPoint presentations, PDFs, HTML, JPEGs, GIFs, BMPs, and Word documents. You can send these files by message or Bluetooth. You can also move or copy the files to your memory card. By default, the calendar files you save are also saved to this location.

While in the Other files folder, press the **Options** soft key to access additional options. Option availability depends on the type of file currently highlighted (selected):

- ◆ **View:** Lets you view the selected graphic file.

- ◆ **Send via:** Lets you send the selected file to a recipient in a **Message** or **Email**. You can also send the file via **Bluetooth** to another Bluetooth device.
- ◆ **Move:** Lets you move the **Selected** file or **Multiple** files to another folder on the phone or in the microSD memory card if one is inserted.
- ◆ **Copy:** Lets you place a copy of the **Selected** file or **Multiple** files in another location, including folder on the microSD memory card if one is inserted.
- ◆ **Delete:** Lets you delete the **Selected** file or select **Multiple** files for deletion.
- ◆ **Rename:** Lets you change the name of the selected file.
- ◆ **Create folder:** Lets you create a subfolder. After you create a folder, you can highlight it and access the following additional options from the **Option** soft key:
 - ◆ **Open:** Opens the selected folder or subfolder.
 - ◆ **Create folder:** Lets you create a folder.
 - ◆ **Move folder:** Lets you move the folder to another location.
 - ◆ **Copy folder:** Lets you place a copy of the selected folder in another location.
 - ◆ **Delete folder:** Deletes the selected folder or subfolder.
 - ◆ **Rename folder:** Lets you rename the selected folder or subfolder.
 - ◆ **Sort by:** Lets you arrange all your files by **Date**, **Type**, **Name** or **Size**.
 - ◆ **Bluetooth visibility:** Allows the media file to be shared or released for the use with another Bluetooth device.
 - ◆ **Memory card settings:** Lets you set the defaults for Memory card settings. For more information, see “Memory card settings” on page 71.
 - ◆ **Properties:** Displays all the properties of the currently selected folder.
- ◆ **Sort by:** Lets you arrange all your files by **Date**, **Type**, **Name** or **Size**.
- ◆ **Bluetooth visibility:** Allows the media file to be shared or released for the use with another Bluetooth device.

- ◆ **Lock/Unlock:** Lets you lock the file and unlock it when necessary. Locking files prevents accidental deletion.
- ◆ **Properties:** Display all the properties of the currently selected file.

Memory status

This folder displays the current memory usage for each of the Media folders listed above, and for files saved from the Games & Apps menu (**Menu 3**).

MicroSD memory status

If you have inserted a microSD memory card, you can view its memory status from the Memory status folder by scrolling left and right between **On phone** and **On card**.

Camera

Using the Camera menu in your phone, you can take photos of people or events while on the move. Additionally, you can send photos to other people in a multimedia message or set one as wallpaper on your display screen. The camera produces JPEG photo files.

You can also record videos using your phone as a video camcorder. For more information, see “Using the camcorder” on page 84.

Caution: Do not take photos of people without their permission. Do not take photos where cameras are not allowed or where you might interfere with a person's privacy.

For information on configuring the default settings for the camera, see “Camera settings” on page 183.

Taking photos

The phone is equipped with two camera lenses. One is located on the front cover of the phone. The other is located on the inside of the phone. You can launch the camera and take a photo while the phone is open or closed.

Taking a photo with the phone open

1. Press **Menu 2** to open the **Media** tools.
2. Scroll down to the **Media applications** folder and press the  key.
3. Press the **Select** soft key for the highlighted **Camera** item. You are now in Capture mode. The main LCD screen acts as the viewfinder.

Note: To quickly launch the camera in Capture mode, from the Idle screen press and hold the camera key  on the right side of the phone.

4. If necessary, press the left soft key to configure settings or apply effects. For more information, see “Using the Camera options in Capture mode” on page 82.
5. Position the shot on the screen.
 - ◆ You can change the zoom with the left and right navigation keys.
 - ◆ You can change the brightness using the up and down navigation keys.
6. Press the  key to take the photo.
 - ◆ To discard the photo and return to the capture mode, press the left soft key and select **Delete**.
 - ◆ To send the image in a message, press the  key.
 - ◆ To return to the capture mode, press the right soft key.

Taking a photo with the phone closed

1. Press and hold the camera key  on the right side of the phone.
2. Position the shot on the front LCD screen. You can flip the image left and right or up and down using the volume key  on the left side of the phone.
3. Press the camera key  again to take the shot.
4. You can open the phone to view the picture and access the **Options** soft key menu. For information on this menu, see “Options after taking your photo” on page 83.

Using the Camera options in Capture mode

In Capture mode, you can use various **Options** by pressing the left soft key. The following options are available:

- ◆ **Take photo:** Takes the shot.
- ◆ **Switch camera:** Lets you switch between the camera lens on the front of the phone and the lens on the inside of the phone.
- ◆ **Shooting mode:** Allows you to switch camera modes.
 - ◆ **Single shot:** This is the default for the camera
 - ◆ **Multi-shot:** Allows you to take a series of action stills. Select the number of photos the camera will take.
 - ◆ **Mosaic style:** Allows you to take a series of photos successively and arrange them in a grid. Select the number of photos in the grid and whether each picture is taken manually.
- ◆ **Effects:** Allows you to change the color tone or apply special effects to the photo.
- ◆ **Frames:** Allows you to set the picture you take in a decorated frame. Highlight a frame from the list using the navigation keys and press the  key for a preview. If you wish to keep the selected frame, press the **Select** soft key. To return to the list, press the **Back** soft key.

- ◆ **Timer:** Allows you to add a delay time before the camera takes the photo. Select the length of time you want. When you press the camera key , the camera takes the photo after a specified time.
- ◆ **Record video:** Launches the camcorder so you can take a video.
- ◆ **Go to Graphics:** Allows you to view photos stored in your photo album.
- ◆ **Camera settings:** Allows you to change the options for taking a photo. For more information, see “Camera settings” on page 183.
- ◆ **Camera shortcuts:** Displays an illustration of the key commands used in Camera mode.

Options after taking your photo

When you press the left soft key for **Options** after taking a photo, the following options are available:

- ◆ **Send via:** Allows you to send the photo in a multimedia message, email or to a compatible Bluetooth enabled device.
- ◆ **Send to Online Album:** Lets you send the photo to your online album hosted by your service provider.
- ◆ **Delete:** Deletes the photo.
- ◆ **Viewfinder:** Lets you take another picture.
- ◆ **Set as:**
 - ◆ **Main display:** Sets the photo as your wallpaper for the idle screen on the main LCD display.
 - ◆ **Front display:** Sets the photo as your wallpaper for the idle screen on the front LCD display.
 - ◆ **Caller ID:** Sets the photo as a caller ID image for Contact list entries.
- ◆ **Edit photo:** Opens the Edit screen, which contains the following editing and sharing tools when you open the **Options** soft key menu:
 - ◆ **Save as:** Lets you specify a unique name for the photo file. Otherwise, the default naming convention is used. Note that you can change the default naming. See “Camera settings” on page 183.

- ◆ **Effects:** Allows you to change the color tone or apply special effects to the photo.
- ◆ **Partial effects:** Lets you perform redeye repair and apply a partial blur effect.
- ◆ **Adjust:** Lets you adjust light, contrast and color settings.
- ◆ **Transform:** Lets you resize, rotate or flip the image.
- ◆ **Crop:** Lets you crop the image to a selected area.
- ◆ **Insert:** Lets you add frames, clipart, emoticons and text to the picture.
- ◆ **Set as:** See **Set as** described earlier in this list.
- ◆ **Send via:** See **Send via** described earlier in this list.
- ◆ **Print via:** Lets you print via Bluetooth or USB connection.
- ◆ **Rename:** Lets you specify a different name for the file.
- ◆ **Go to Graphics:** Opens the Graphics folder.
- ◆ **Lock/Unlock:** Lets you lock the file and unlock it when necessary. Locking files prevents accidental deletion.
- ◆ **Bluetooth visibility:** Allows the media file to be shared or released for the use with another Bluetooth device.
- ◆ **Properties:** Displays all the properties of the currently selected file.

Viewing your pictures

For information on accessing your photo files, see “Graphics” on page 71.

Using the camcorder

Using the camcorder, you can record videos with your phone. The video clips you create can be sent to other properly equipped phones. You can also view the clips with the built-in media player.

Caution: Do not take videos of people without their permission. Do not take videos in a place where cameras are not allowed or where you might interfere with another person’s privacy.

For information on configuring the default settings for the camcorder, see “Camcorder settings” on page 184.

Recording videos

The camcorder allows you to take videos. Your camera produces 3gp video files.

To record a video:

1. Press **Menu 2** to access **Media** tools.
2. Scroll down to **Media applications** and press the  key.
3. Press the **Select** soft key for the highlighted **Camera** item. The camera is launched in photo Capture mode.
4. Press the left soft key, highlight **Record video** and press . The phone is now in Record mode.

Note: To quickly launch the camcorder in Record mode, from the Idle screen press and hold the camera key  on the right side of the phone and then press .

5. You can do the following:
 - ◆ Apply effects and options. For information, see “Using the Video options in Record mode” on page 86.
 - ◆ Change the zoom using the left and right navigation keys.
 - ◆ Change the brightness using the up and down navigation keys.
6. Press the  key to start the video.
7. When you are finished, press the  key to stop the video.

The video clip is saved in the **Video** folder. You can now preview it or access the **Options** soft key menu. For more information on menu options, see “Options after taking your video” on page 86.

Using the Video options in Record mode

In Record mode, you can use various options for the camera by pressing the left soft key. The following options are available:

- ◆ **Record video:** Starts recording.
- ◆ **Switch camera:** Lets you switch between using the lens on the front of the phone and the lens on the inside of the phone.
- ◆ **Effects:** Allows you to change the color tone or apply special effects to the video.
- ◆ **Timer:** Allows you to set a time delay before the camera starts recording a video. Select the length of delay you want. When you press the key, the camera begins recording a video after the specified time.
- ◆ **Take photo:** Switches your phone to Camera mode.
- ◆ **Go to Video:** Allows you to go to the **Video** menu.
- ◆ **Camcorder settings:** Allows you to change the default camcorder settings. For more information, see “Camcorder settings” on page 184.
- ◆ **Camcorder shortcuts:** Displays an illustration of the key commands you can use in Video mode.

Options after taking your video

When you press the **Options** soft key after saving a video, the following options are available:

- ◆ **Play:** Plays the video you recorded.
- ◆ **Send via:** Allows you to send the photo in a multimedia message, email or to a compatible Bluetooth enabled device.
- ◆ **Send to Online Album:** Lets you send the video to your online album hosted by your service provider.
- ◆ **Delete:** Deletes the video.
- ◆ **Viewfinder:** Lets you take another video.
- ◆ **Rename:** Lets you specify a unique name for the video file. Otherwise, the default naming convention is used. Note that you can change the default naming. See “Camcorder settings” on page 184.
- ◆ **Go to Video:** Displays the video album in the handset.

- ◆ **Lock/Unlock:** Prevents a video in your video album from being accidentally deleted. You must unprotect a video before deleting it.
- ◆ **Bluetooth visibility:** Allows other Bluetooth-enabled devices within range to download copies of your video.
- ◆ **Hide/Show controller:** Displays or hides the on-screen video playback controller.
- ◆ **Properties:** shows the properties of the video, such as Size, Format, Duration, Forwarding, Date, Time, Location.
- ◆ **Player Settings:** Allows you to change the options for taking videos. See “Camcorder settings” on page 184.

Viewing your videos

For information on accessing your video files and viewing videos, see “Video” on page 73.

Media player

The Media player lets you play music and video files you have either downloaded onto your phone, or transferred from your PC. Music downloaded into the Rogers Music Player, however, cannot be played with the Media player. For information on the Rogers Music Player, see page 104.

Note: The Media Player can play only those MP3 files recorded at 192 kbps or less.

Note: The following music formats are compatible with your MP3 player: AMR-NB, MPEG4 AAC (unprotected), MP3, SP-midi, midi, and imelody.

Note: The following characters cannot be used in the filename: / \ * ? “ < > : | . The file name is limited to 50 characters).

Adding songs to your phone

Before you can play songs on your phone, you must load songs from your computer on to the phone's internal memory or onto a microSD card. You can add songs via a Bluetooth connection, a microSD card reader or via USB connection. For more information, see "Transferring Files between your Phone and PC" on page 45.

Creating music playlists

If you have not added songs, see "Transferring Files between your Phone and PC" on page 45 before proceeding.

To play create a playlist:

1. Press **Menu 2**, scroll down and select **Media applications**. In the application list, select **Media player** to launch the player.
2. Press the **Options** soft key and select **Create playlist**.
3. Enter a name for the playlist and press the **Save** soft key.
4. Highlight the new playlist and press .
5. Press the **Options** soft key, select **Add** and then select **Files**.
6. Scroll through the songs you added to your phone and press  to add a checkmark next to the songs you want to add to the new playlist. You can select **All** if you want to add all of the songs.
7. When you are finished selecting songs, press the **Add** soft key. The songs are added to your playlist.

Using Playlists

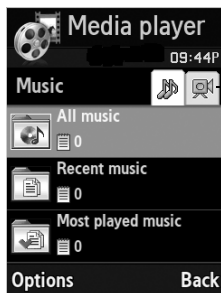
Playlists are organized groups of songs. Your playlist can contain up to 30 songs. Press the **Options** soft key for the following options:

- ◆ **Play via:** Lets you listen to the selected song on the **Phone** or a **Bluetooth stereo headset**.
- ◆ **Add:** Lets you add a **Playlist** or **Files**.
- ◆ **Move track in playlist:** Lets you move the selected song up or down in the playlist order.
- ◆ **Send via:** Lets you send the song by **Message**, **Email**, or **Bluetooth**.
- ◆ **Remove:** Lets you remove **Selected** or **All** files from the playlist.
- ◆ **Properties:** shows the properties of the currently highlighted song.

Playing a media file with the Media player

To access Media player files and playlists:

1. From the Idle screen, open the Media menu (**Menu 2**).
2. Scroll down to **Media applications** and press the  key.
3. Highlight **Media player** and press .
4. The Media player screen opens with the Music tab in view. To view files in the Video tab, scroll right using the navigation keys.



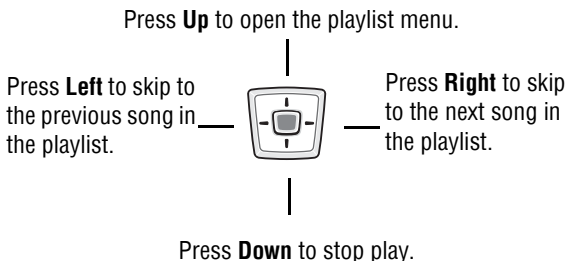
Press the left and right navigation buttons to view the Music or Video tabs.

5. Do one of the following:

- ◆ If you are on the Music tab, scroll down to the playlist from which you want to play songs and select the song you want to hear first.
- ◆ If you are on the Video tab, select the video you want to view.

6. Press  to begin play. The Media player opens and plays the media file.

7. You can use the navigation keys to control the player:



- ◆ Press  to play or pause the current song.
- ◆ Use the side volume key  to change the song volume.

Using the Media player options

With a media file selected, press the **Options** soft key to access the following options:

- ◆ **Play via:** Lets you listen to the selected song on the **Phone** or a **Bluetooth stereo headset**.
- ◆ **Add to playlist:** Lets you add the **Selected file** or **Multiple files** to a playlist.
- ◆ **List by:** Lets you sort the files in the folder by different criteria (**Album**, **Artist**, **Genre**).

- ◆ **Send via:** Lets you send the selected file by **Message**, **Email**, or **Bluetooth** connection.
- ◆ **Lock/Unlock:** Lets you lock the selected media file to protect it from deletion.
- ◆ **Properties:** Display the properties of the currently loaded media file.

When a media file is playing, you can access various options by pressing the **Options** soft key. The following options are available:

- ◆ **Pause/Resume:** Pauses and resumes play.
- ◆ **Stop:** Stops play.
- ◆ **Transfer to Bluetooth stereo headset:** lets you listen to your music via a Bluetooth headset.
- ◆ **Open playlist:** Lets you select another playlist.
- ◆ **Jump to track time:** Lets you specify a time in the track to which you want the player to begin playing.
- ◆ **Properties:** Display the properties of the currently playing media file.
- ◆ **Player settings:** Allows you to change the option settings for the media player. For more information, see “Media player settings” on page 185.

Record Audio

Record Audio launches the media player in Record mode. You can use it to make audio recordings.

To create audio recordings:

1. From the Idle screen, open the Media menu (**Menu 2**).
2. Scroll down to the **Media applications** folder and press the  key.
3. Scroll down to **Record audio** and press the **Select** soft key.

4. To begin recording, press the  key. To pause the recording, press the  key again.
5. To stop recording, press the down navigation key. The recording is saved.
6. To play back the recording, press the  key.

Using Record Audio options

While recording or playing audio files, you can access various options by pressing the **Options** soft key. The following options are available:

- ◆ **Play:** Plays the selected media file.
- ◆ **Record:** Lets you record again.
- ◆ **Go to Voice List:** Takes you to the Voice List folder, which contains the audio files that you create with the built in recorder folder.
- ◆ **Send via:** Lets you send the selected file to a recipient in a **Message** or **Email**. You can also send the file via **Bluetooth** to another Bluetooth device.
- ◆ **Delete:** Deletes the selected file.
- ◆ **Rename:** Lets you specify a unique name for the audio file. Otherwise, the default naming convention is used. Note that you can change the default naming. See “Record audio settings” on page 186.
- ◆ **Bluetooth visibility:** Allows other Bluetooth-enabled devices within range to download copies of your video.
- ◆ **Lock/Unlock:** Lets you lock the selected media file to protect it from deletion.
- ◆ **Properties:** Display the properties of the currently selected media file.
- ◆ **Record audio settings:** Lets you set default Record audio settings. For more detailed information, see “Record audio settings” on page 186.

Samsung PC Studio 3

Your phone comes with Samsung's PC Studio 3 software, which allows you to transfer files between your phone and a computer. For more information on Samsung PC Studio 3, consult the online help provided with PC Studio 3.

Games & Apps

From this menu (**Menu 3**), you can play games already stored on your phone, and download additional games and applications.

Download games

This option allows you to download games from your service provider. Follow the online instructions shown on your display screen. Once you have downloaded games, they are added to your phone's list of games.

Starting a game

1. In Idle mode, press the **Menu** soft key to access the menu.
2. Highlight **Games & Apps** and press the **Select** soft key or the  key.
3. Scroll to the game you want and press the  key.
4. The game's welcome screen displays information about the game.

While you are playing a game, you can	by pressing the
adjust the sound volume	Volume key  .
exit the game	 key.
highlight an option in a list	Navigation keys.
select an option	 key.

GameloftMEGAHits

This option allows you to try out a selection of popular game demos. Follow the online instructions shown on your display screen.

Wheel Of Fortune 2005

This game demo is based on the popular Wheel of Fortune game show. After you launch the game, follow the instruction displayed, or select **Help** for more information.

Call History

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

- ◆ view calls you missed, received or dialed
 - ◆ check your voice mail
 - ◆ add phone numbers from your call history to your Speed Dial
 - ◆ view the length of calls made and received
-

Note: You can access the most recent numbers in the three types of call records by pressing the  key in Idle mode.

All calls

This menu (**Menu 4.1**) lets you view the last 90 numbers you dialed, received or missed. Use the navigation key to scroll through the list, and press the  key to view call details.

The number is displayed along with the time and date when the call was made.

By pressing the **Options** soft key, you can:

- ◆ **Details:** View call details.
- ◆ **Voice call:** Call the number back. You can also dial the number by pressing the  key.
- ◆ **Video call:** Make a Video call to the number.
- ◆ **Save to Contacts:** Save the number to your Contacts list in either the **Phone** or **SIM**.
- ◆ **Send message:** Send a message to the number.
- ◆ **Delete:** Delete either the **Selected** call or **All** calls from the list.
- ◆ **Add to reject list:** Add the selected call to the reject list. To view and configure your reject list, see “To enable and configure the Auto reject feature” on page 161.

Missed calls

This menu (**Menu 4.2**) lets you view the last 30 numbers of the calls you received, but did not answer. Use the navigation key to scroll through the list, and press the  key to view call details.

The number is displayed along with the time and date when the call was made. By pressing the **Options** soft key, you can access the same options as “All calls” on page 96.

Calls made

This menu (**Menu 4.3**) lets you view the last 30 numbers you dialed. Use the navigation key to scroll through the list, and press the  key to view call details.

The number is displayed along with the time and date when the call was made. By pressing the **Options** soft key, you can access the same options as “All calls” on page 96.

Calls received

This menu (**Menu 4.4**) lets you view the last 30 numbers from which you have received calls. Use the navigation key to scroll through the list, and press the  key to view call details.

The number is displayed along with the time and date when the call was made. By pressing the **Options** soft key, you can access the same options as “All calls” on page 96.

Voice mail

This menu (**Menu 4.5**) allows you to access your voice mailbox, if your network supports this service.

The following options are available:

- ◆ **Connect to voice mail:** Before using the voice mail feature, you must have a valid voice server number configured in your phone. Your service provider may have configured the number for you already or you have to enter the voice server number obtained from your service provider. You can then select this option and press the **Select** soft key to listen to your messages.
-

Tip: You can quickly connect to the voice server by pressing and holding the **1** key in Idle mode.

- ◆ **Voice/Video mail number:** Allows you to change the voice mail server number, if necessary.

To change the Voice server number:

1. Select the voice server that you wish to change and press the **Edit** soft key.
2. To change the voice server number:

To	Press the
enter the server number	corresponding numeric keys.
correct a digit	
move the cursor to the left or right without clearing a digit	left or right navigation key.

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

Video mail

This menu (**Menu 4.6**) allows you to access your video mailbox, if your network and service provider support this service.

The following options are available:

- ◆ **Connect to Video mail:** Before using the Video mail feature, you must have a valid video server number configured in your phone. Your service provider may have configured the number for you already or you have to enter the video server number obtained from your service provider. You can then select this option and press the **Select** soft key to view your messages.
- ◆ **Voice/Video mail number:** Allows you to change the video mail server number, if necessary.

To change the Video server number:

1. Select the video server number and press the **Edit** soft key.
2. To change the video server number:

To	Press the
enter the server number	corresponding numeric keys.
correct a digit	
move the cursor to the left or right without clearing a digit	left or right navigation key.

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

Speed dial

Using Speed dial (**Menu 4.7**), you can assign up to eight phone numbers from your Contact list that you use most frequently to the number keys (3 to 9), and then dial them easily whenever you want, simply by pressing and holding the associated number key.

To add a speed dial entry:

1. A virtual representation of your keypad appears onscreen. Existing speed dial entries appear within their associated key.
Using the navigation keys, select a number from the onscreen keypad to assign the speed dialling number, and press the **Options** soft key followed by **Assign**.

Note: Memory location 1 is reserved for your Voice mail server number. Memory location 2 is reserved for your Video mail server number.

2. Select either **Contacts** or **FDN contacts**.
3. Select an entry from the list and press the **Select** soft key.
The virtual keypad reappears with the new speed dial entry appearing with its associated key.
4. When you are finished, press the  soft key.

To edit the number use the following options by pressing the **Options** soft key:

- ◆ **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.
- ◆ **Voice call:** Dials the selected speed dial number to start a voice call.
- ◆ **Video call:** Dials the selected speed dial number to start a video call.

Using Speed dial

In Idle mode, to speed-dial the numbers assigned to the 3 to 9 keys, press and hold the appropriate key. A voice call connection is made.

Delete all

This menu (**Menu 4.8**) allows you to delete all of the records in each call record type. You can also delete all of your call records at one time.

To	Press the
select a call record type to delete	up or down key to highlight the desired call record type. To delete all of your call records, select All calls .
add or remove a check mark	 key.
delete the marked records	Delete soft key.

When a confirming message displays, press the **Yes** soft key to confirm.

Voice call time

This menu (**Menu 4.9**) 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 and so on.

The following timers are available:

- ◆ **Last voice call time:** Length of the last voice call.
- ◆ **Total sent:** Total length of all calls you made since the timer was last reset.
- ◆ **Total received:** Total length of all calls you received since the timer was last reset.

To reset the timers

1. Press **Menu 4.9** for **Voice call time**.
2. Press the **Reset** soft key.
3. Enter the phone password and then press the **Confirm** soft key.

Note: For information on this password, see “Phone lock” on page 187.

Video call time

This menu (**Menu 4.10**) lets you view the timers for video 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 and so on.

The following timers are available:

- ◆ **Last video call time:** Length of the last video call.
- ◆ **Total sent:** Total length of all calls you made since the timer was last reset.
- ◆ **Total received:** Total length of all calls you received since the timer was last reset.

To reset the timers

1. Press **Menu 4.0** for **Video call time**.
2. Press the **Reset** soft key.
3. Enter the phone password and then press the **Confirm** soft key.

Note: For more information on this password, see “Phone lock” on page 187.

Vision

The Vision menu (**Menu 5**) provides access to services such as mobile television, video and audio clips, radio, and an online music player, which lets you download, manage, and play music files. In some cases, fees are associated with these features. For more information on any of these services, go to www.rogers.com.

Rogers Mobile TV

Rogers Mobile TV transforms your wireless phone into a mini portable TV you can watch anywhere, anytime. Tune in anywhere, anytime 24 hours a day to watch real-time news, sports, weather and more. You can launch the Rogers Mobile TV from the Vision menu (**Menu 5.1**) and scroll the guide to watching a TV channel.

Rogers Video/Radio

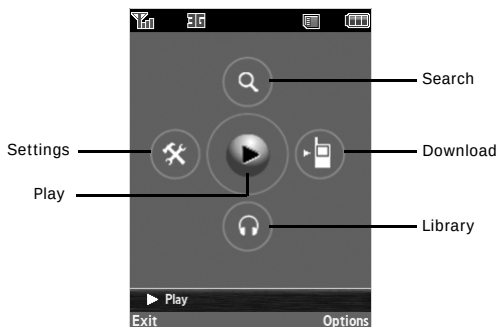
This option allows you to view video clips from your favourite TV shows, news, weather, sports, etc. You can also listen to radio right from your handset. You can launch the Rogers Video/Radio from the Vision menu (**Menu 5.2**) and scroll the menu to watch a video clip, listen to an audio clip or listen to a radio station.

Rogers Music Player

The Rogers Music Player lets you play music you have downloaded from your service provider or loaded from your PC to your Micro SD memory card. This feature also lets you buy new songs, manage your playlists and customize your Rogers Music Player settings.

You can launch the Rogers Media Player by pressing the left soft key on the Idle screen, or from the Vision menu (**Menu 5.3**). When you launch Rogers Music Player, a control panel is displayed.

Use the corresponding navigation keys to access the **Search**, **Download**, **Library**, and **Settings** menus. Press  to play.



Shopping for music

When shopping for music, use the navigation keys to browse, and follow the online instructions to download songs. In most cases a fee is associated with each song you download. To access online Help, press the right soft key for **Options**, and select **Help**. See your service provider for further details.

Messages

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

- ◆ **Rogers IM** (Instant Messaging) allows you to send and receive instant messages using different IM clients. For more information, see “Rogers IM” on page 106.
- ◆ **Create new message** allows you to compose and send text (SMS), multimedia (MMS) and email messages to other phones able to receive the messages. For more information:
 - ◆ on text (SMS) and multimedia messaging, see “Create new message” on page 108
 - ◆ on email messaging, see “Email” on page 114.

Rogers IM

Rogers IM (Instant Messaging), **Menu 6.1**, is a way of sending short, simple messages that are delivered immediately to users online at that moment.

Before using this feature, you need to subscribe to a messenger service. For further details, contact your service provider.

Signing into the IM service

You must sign into the IM service in order to send and receive instant messages.

To sign on to your IM service:

1. Press **Menu 6.1** for **Rogers IM**.

Note: If this is your first time using Instant Messaging, scroll to the desired IM service that you are subscribed to and press the **Select** soft key.

2. Highlight **Sign In**, and press the **Select** soft key.

If you selected the **MSN** community, highlight the email address you want to sign in with, and press the **Select** soft key.

3. Enter the required sign on information. The information required for signing on will vary depending on the IM community you are accessing.

- ◆ If you want to save the password so you don't have to enter it again, highlight **Save Password** (MSN) or **Remember my ID & pwd** (Yahoo!) and press the  key to enable it with a checkmark.
- ◆ If you want the phone to sign you automatically upon startup, highlight automatic sign-in option and press the  key to enable it with a checkmark

Note: Saving your password can pose a security risk if your phone should be lost or stolen.

4. Press the **Options** soft key, highlight **Sign In** and press the **Select** soft key.

To sign out of the IM service

Press the **Options** soft key, highlight **Sign Out** and press the **Select** soft key.

Sending an instant message

After you sign in, follow the on-screen instructions to read, reply to, compose, and send messages, and to manage your IM account. Use the **Options** menu to perform tasks as you would when using IM on your computer, including adding and blocking contacts, configuring your display name.

Configuring default IM settings

For information, see “Message settings” on page 178.

Create new message

Use the Create new message menu (**Menu 6.2**) to compose new text (SMS) and multimedia (MMS) messages and send them to other messaging-capable phones. You can also create email messages. For more information, see “Creating and sending an email” on page 114.

Creating and sending a text message

While creating your message, you can access various options from the **Options** soft key menu. For information, see “Text message options” on page 109.

If you want to send multimedia files with your message, see “Creating and sending a multimedia message” on page 111.

Note: When creating a text (SMS) message, adding elements such as a subject line, or image, sound or video files automatically changes the message type to multimedia (MMS). The icon in the top-left corner of the message creation screen indicates message type. Some cell phones do not accept multimedia messages.

To create and send a text message:

1. Press **Menu 6.2.1** for **Message**.
2. Highlight the address box and enter the recipient's mobile phone number.
 - ◆ You can enter multiple recipients by separating them with a semicolon (;).
 - ◆ You can also press the **Options** soft key to **Add recipients** from your **Contacts**, **Group**, or **FDN contacts** lists, or add recent recipients.
3. Highlight and create your message in the large text box. The number in the bottom-right corner of the screen displays the number of characters still available for you to use.

For details about entering characters, see “Entering Text” on page 39.

4. Press the  key or the **Options** soft key and select **Send**.

Your phone sends the text message, and saves the message in the Sent folder.

Creating a long text message

When you write a text message, the phone automatically splits it into several messages if the message exceeds the maximum number of characters allowed in a single message. The number of split messages to be sent is shown each time your message is split. Depending on your service provider, the maximum number of characters may vary. You can also add pages to your message from the **Options** soft key menu. For more information on options, see “Text message options” on page 109.

Text message options

While you are composing your text message, press the **Options** soft key to select from the following.

Note: Some of the following options will change your message to a multimedia message.

- ◆ **Send:** Sends the message. This option appears only after you have entered a recipient’s phone number.
 - ◆ **Text:** When Text selection is on, you can use the navigation keys to highlight text, then, by pressing the  key, you can access **Cut**, **Copy**, **Paste**, and **Remove** features. When Text selection is off, you can move the cursor back without highlighting text.
-

Note: You can enable and disable Text selection by pressing the  key while you are entering text in a message box.

- ◆ **Add item:** Lets you add image, sound, or video files to multimedia messages.

- ◆ **Create item:** Lets you take a picture or record a sound or video file to be sent in a multimedia message.
 - ◆ **Insert:** Lets you insert the following into the currently highlighted text box:
 - ◆ **Text template:** Lets you apply a preset message template to the text.
 - ◆ **Text emoticon:** Lets you add commonly used emoticons in text format.
 - ◆ **Name card:** Allows you to add your name card to the message.
 - ◆ **Bookmarks:** Allows you to add Internet addresses to your message.
 - ◆ **Add recipients:** Lets you add recipients from your **Contacts**, **Group**, or **FDN contacts** lists. You can also select recent recipients by selecting **Recent Log**.
 - ◆ **View recipient list:** Displays the recipients added so far, if any, as well as empty text boxes to which you can scroll and add more recipients.
 - ◆ **Change to multimedia message:** Converts the current message to/from a text or multimedia message prior to being sent.
-

Note: Send multimedia messages only to those recipients whose phones you know support the receipt and display of this message type.

- ◆ **Add/Delete page:** Adds or Deletes a page to/from the message. Pages are delineated by a dotted line in the message text box. The current page is indicated in the bottom-left corner of the screen.
- ◆ **Input language:** Lets you set the language to English or Français.
- ◆ **Input method:** Lets you select the desired combination of lettercase (uppercase, lower case or mixed case) and the input method (T9, numeric or symbols).
- ◆ **Add subject:** Takes you to the subject text box where you can add a subject to the message.
- ◆ **Add attachment:** Lets you attach files, a name card, as well as appointment, anniversary, private, holiday, important, task, notes, and bookmarks information from your calendar to your message.
- ◆ **Sending options:** Lets you configure default message settings. For information, see “Message settings” on page 178.

- ◆ **Save to Drafts:** Saves the message to the Drafts folder.
- ◆ **Save as template:** Saves the message to the Templates folder to be used in the future when creating similar messages.

Creating and sending a multimedia message

Multimedia messages carry more information than simple text messages. You can add image, sound, and video files to multimedia messages. While creating your message, you can access various options from the **Options** soft key menu. For information, see “Multimedia message options” on page 112.

To create and send a multimedia message:

1. Press **Menu 6.2.1** for **Message**.
2. Messages are text messages by default, to change the message to a multimedia message, press the **Options** soft key, highlight **Change to multimedia message** and press the **Select** soft key.
3. Highlight the address box and enter the recipient's mobile phone number.
 - ◆ You can enter multiple recipients by separating them with a semicolon (;).
 - ◆ You can also press the **Options** soft key to **Add recipients** from your **Contacts**, **Group** or **FDN contacts** lists, or add recent recipients by selecting **Recent Log**.
4. Scroll to and create your message in the large text box. The number in the bottom-right corner of the screen displays the number of characters still available for you to use.

For further details about entering characters, see “Entering Text” on page 39.
5. To add a subject, press the **Options** soft key, select **Add subject** and enter the desired text in the subject box that appears.

6. To add additional media or to access additional options, press the **Options** soft key and refer to “Multimedia message options” below for options descriptions.
7. After you have created the message, press the **Options** soft key and select **Send**.

Multimedia message options

While you are composing your multimedia message, press the **Options** soft key to select from the following.

- ◆ **Send**: Sends the message. This option appears only after you have entered a recipient's phone number.
 - ◆ **Preview**: Displays a preview of your message as it will be displayed to the recipient.
 - ◆ **Text**: When Text selection is on, you can use the navigation keys to highlight text, then, by pressing the  key, you can access **Cut**, **Copy**, **Paste**, and **Remove** features. When Text selection is off, you can move the cursor back without highlighting text.
-

Note: You can enable and disable Text selection by pressing the  key while you are entering text in a message box.

- ◆ **Add item**: Lets you add image, sound, or video files to multimedia messages.
- ◆ **Create item**: Lets you take a picture or record a sound or video file to be sent in a multimedia message.
- ◆ **Insert**: Lets you insert the following into the currently highlighted text box:
 - ◆ **Text template**: Lets you apply a preset message template to the text.
 - ◆ **Text emoticon**: Lets you add commonly used emoticons in text format.
 - ◆ **Name card**: Allows you to add your name card to the message.
 - ◆ **Bookmarks**: Allows you to add Internet addresses to your message.

- ◆ **Add recipients:** Lets you add recipients from your **Contacts**, **Group** or **FDN contacts** lists. You can also select recent recipients by selecting **Recent Log**.
- ◆ **View recipient list:** Displays the recipients added so far, if any, as well as empty text boxes to which you can scroll and add more recipients.
- ◆ **Change to text message:** Converts the current message to/from a text or multimedia message prior to being sent.
- ◆ **Add/Delete page:** Adds or Deletes a page to/from the message. Pages are delineated by a dotted line in the message text box. The current page is indicated in the bottom-left corner of the screen.
- ◆ **Input language:** Lets you set the language to English or Français.
- ◆ **Input method:** Lets you select the desired combination of lettercase (uppercase, lower case or mixed case) and the input method (T9, numeric or symbols).
- ◆ **Edit style:** Lets you configure default settings for page style in multimedia messages. For more information, see “Message settings” on page 178.
- ◆ **Add subject:** Takes you to the Subject text box where you can add a subject to the message.
- ◆ **Add attachment:** Lets you attach files, a name card, as well as appointment, anniversary, private, holiday, important, task, notes, and bookmarks information from your calendar to your message.
- ◆ **Sending options:** Lets you configure default message settings. For information, see “Message settings” on page 178.
- ◆ **Save to Drafts:** Saves the message to your Drafts folder.
- ◆ **Save as template:** Saves the message to the Template folder to be used in the future when creating similar messages.

Configuring default text and multimedia message settings

For information, see “Message settings” on page 178.

Email

The Email menu (**Menu 6.2.2**) lets you send email to any email address. Recipients can access your emails from email-equipped phones or from their computers. The messages you create can contain text, photos, videos and voice attachments.

Before you begin

You must have an active email account configured on the phone before you can connect to the email server to send and receive mail. If you are prompted to configure an account when you first access the Email menu, you must provide the information provided by your internet or email service provider. You can create multiple accounts if necessary. For example, if you already have one or more mail boxes provided by different email service providers (e.g. Rogers, Hotmail, Yahoo) you can create an account on your phone for each and then send and receive emails from those accounts using your handset.

You can access, edit and create multiple email accounts from the Settings menu. For more information, see “Message settings” on page 178.

Creating and sending an email

You can create simple text-only emails and send them to one or multiple recipients. You can even send them to all contacts in a Group that you have created as long as the contacts have email address saved in them. You can also add image, sound, and video files to email messages. While creating your message, you can access various options from the **Options** soft key menu. For information, see “Email options” below.

To create and send an email:

1. Press **Menu 6.2.2** for **Email**. If you are prompted to configure email, see “Before you begin” on page 114.
2. Create your message in the text box. The number in the bottom-right corner of the screen displays the number of characters still available for you to use.

For details about entering characters, see “Entering Text” on page 39.

3. Do one of the following:
 - ◆ Scroll up to the address text box and type the recipient’s email address. You can specify multiple recipients by separating them with a semicolon (;).
 - ◆ Press the  key and scroll down to add recipients from your **Contacts**, **Group** list, or **Recent log**, or select **View recipient list** to select recipients from a list of recent recipients.
4. Do one of the following:
 - ◆ To send the email, press the **Options** soft key and select **Send**. The message is sent.
 - ◆ To add additional content or files, or to further configure the email, press the **Options** soft key. Refer to “Email options” on page 116, for more information. When you are done, proceed to the next step.
5. Press the **Options** soft key, scroll to **Send** and press the **Select** soft key to send the message.

Email options

While you are composing your email message, press the **Options** soft key to select from the following.

- ◆ **Send:** Sends the message. This option appears only after you have entered a recipient's email address.
 - ◆ **Text:** You must type something into the message text box to access this option. When Text selection is on, you can use the navigation keys to highlight text, then, by pressing the  key, you can access **Cut**, **Copy**, **Paste** and **Remove** features. When Text selection is off, you can move the cursor back without highlighting text.
-

Note: You can enable and disable Text selection by pressing the  key while you are entering text in a message box.

- ◆ **Add recipients:** Lets you add recipients from your **Contacts**, **Group** lists or **Recent log**. You can also select recent recipients.
- ◆ **View recipient list:** Displays the recipients added so far, if any, as well as empty text boxes to which you can scroll and add more recipients.
- ◆ **Add attachment:** Lets you attach files, a name card, as well as appointment, anniversary, private, holiday, important, task, notes, and bookmarks information from your calendar to your email message.
- ◆ **Create item:** Lets you take a picture or record a sound or video file and attaches it to the email message.
- ◆ **Insert:** Lets you insert the following into the currently highlighted text box:
 - ◆ **Text template:** Lets you apply a preset message template to the text.
 - ◆ **Text emoticon:** Lets you add commonly used emoticons in text format.
 - ◆ **Name card:** Allows you to add your name card to the email message.
 - ◆ **Bookmarks:** Allows you to add Internet addresses to your message.

- ◆ **Input language:** Lets you set the language to English or Français.
- ◆ **Input method:** Lets you set the desired combination of lettercase (uppercase, lower case or mixed case) and the input method (T9, numeric or symbols).
- ◆ **Add subject:** Takes you to the Subject text box where you can add a subject to the message.
- ◆ **Sending options:** Lets you configure default message settings. For information, see “Message settings” on page 178.
- ◆ **Save to Drafts:** Saves the message to your Drafts folder.
- ◆ **Save as text template:** Saves the message to the Templates folder.

Configuring default email settings

For information, see “Message settings” on page 178.

Message folders

When you create or receive text, multimedia, and email messages they are saved in various folders. In most cases, messages, incoming and outgoing, are saved by default in their respective folders. In some cases you can manually save a message in a folder specified by you, as is the case with messages you want to save as drafts, for example.

The message folders let you access saved messages and perform various tasks with them, such as viewing, resending, moving, deleting, and forwarding them. You can perform these tasks and others by selecting a message in a folder and pressing the **Options** soft key.

You can view messages in the following message folders:

- ◆ **Inbox:** **Menu 6.3** stores received text and multimedia messages.
- ◆ **Email inbox:** **Menu 6.4** stores received email messages.
- ◆ **Sent:** **Menu 6.5** stores the messages you have sent successfully.

- ◆ **Outbox: Menu 6.6** temporarily stores the messages and emails 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 delivered to the recipient(s). Unsent messages remain in the Outbox.
- ◆ **Drafts: Menu 6.7** stores the unsent messages and emails you have manually saved as drafts. You can access these drafts and send them at a later time.
- ◆ **My folder: Menu 6.8** is a personal, customizable storage area for messages. You can create subfolder here, and manually move messages into them from other folders. This feature is useful, if you want to keep personal messages and business messages in separate locations.
- ◆ **Templates:** For information, see “Templates” on page 120.

To view a message in a folder, highlight the message and press . You can then do the following:

- ◆ Press the  or  key to scroll to the next or previous message.
- ◆ Press the up or down navigation key to scroll through the message if necessary.
- ◆ Press the left or right navigation key to scroll to other pages, if the message has more than one page.
- ◆ For Multimedia messages, you can press the  key to toggle the display of multimedia elements.
- ◆ Access the message options by pressing the **Options** soft key. For more information, see “Using message folder options” on page 119.

To return to the previous screen, press the **Back** soft key.

To exit, press the  key.

Using message folder options

The following options are available when you press the **Options** soft key.

- ◆ **View:** Lets you view the selected message.
- ◆ **Edit:** Lets you edit the draft message.
- ◆ **Reply:** Allows you to reply to the message received.
- ◆ **Send again:** Attempts to resend the selected message.
- ◆ **Send:** Lets you send the draft message.
- ◆ **Cancel sending:** Stops the send attempt for the selected file.
- ◆ **Forward:** Allows you to forward the message to another destination. Depending on the message type, you may **Add Subject** or simply **Send**.
- ◆ **Voice call:** Initiates a voice call to the sender of the selected message.
- ◆ **Video call:** Initiates a video call to the sender of the selected message.
- ◆ **Delete:** Deletes the currently selected message.
- ◆ **Preview:** lets you view the draft message.
- ◆ **Sort by:** Lets you sort the list of messages by different criteria.
- ◆ **Move to phone/SIM:** Allows you to move the message to the Phone or SIM card's memory.
- ◆ **Add to Contacts:** Lets you add the sender of the selected message to your phone or SIM card address book.
- ◆ **Mark as read:** Lets you change the message icon to indicate that you have read a previously unread message.
- ◆ **Move to My folder:** Lets you move the selected message to one of the folders in My folder.
- ◆ **Properties:** Shows you information about the message.

Additional options for Email inbox

Download: Downloads messages from the email server.

Email accounts: Lets you access and configure email accounts. For more information, see “Before you begin” on page 114.

Additional options for My folder

- ◆ **Open:** Opens the selected folder.
- ◆ **Create folder:** Lets you create a new folder in the My folder screen.
- ◆ **Rename folder:** Lets you change the name of the selected folder.
- ◆ **Delete folder:** Deletes the selected folder.

Templates

Using this menu (**Menu 6.9**), you can preset the messages that you use most frequently so you can send them easily.

Select the message type, **Text templates (Menu 6.9.1)** or **Multimedia message templates (Menu 6.9.2)** and then select the template you want to use and press the **Options** soft key. If you have no saved templates, you can press the **Add new** soft key to create one. After you save a template, you can access **Add new** from the **Options** soft key menu.

The following options are available:

- ◆ **Send:** Allows you to compose a message with the template already inserted into the body of the message. Once you have completed your message, you can send, save and send, or simply save it. For further details about how to send a message, see page 108.
- ◆ **Add new:** Allows you to create a new template message.
- ◆ **Edit:** Allows you to edit the currently-highlighted message. For further details about entering characters, see “Entering Text” on page 39.
- ◆ **Delete:** Allows you to delete the **Selected** message or **All** messages. You are asked to confirm the deletion by pressing the **Yes** soft key.

Delete All

This menu (**Menu 6.10**) allows you to delete all of the text messages in each message box. You can also delete all of your messages at one time.

1. In Idle mode, press the **Menu 6.0** for **Delete all**.
2. Scroll to highlight the type of messages you want to delete.
3. Use the  key place checkmarks next to the message types you want to delete. Place a checkmark next to **All** to delete all messages.
4. Press the **Delete** soft key.
5. Press the **Yes** soft key to confirm.

Messages settings

With Message settings (**Menu 6.11**), you can set up various option settings to configure the default behavior of the following messaging services.

- ◆ **Text message:** Menu 6.11.1
- ◆ **Multimedia message:** Menu 6.11.2
- ◆ **Email:** Menu 6.11.3
- ◆ **Broadcast:** Menu 6.11.4
- ◆ **Voice/Video mail:** Menu 6.11.5
- ◆ **Push message:** Menu 6.11.6

You can set these same options from the Settings menu (**Menu 9.7.1**). For descriptions of the Message Settings options, see “Message settings” on page 178.

Memory Status

With the Memory Status menu (**Menu 6.12**), you can check the total memory available and remaining for storing messages.

1. From the Idle screen, select **Menu 6.12** for **Memory Status**.
2. The screen displays the amount of memory being used by your text messages. Press the left and right soft keys to view the memory usage of different types of messages.
3. When you have finished, press the  key.

Tools

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

- ◆ set an alarm so that the phone rings at a specific time, such as to remind you of an appointment.
- ◆ view the calendar and organize your schedule.
- ◆ use the phone as a calculator for basic mathematical equations or currency exchange operations.
- ◆ use a timer or stopwatch.
- ◆ view times in different parts of the world.

Alarms

In Idle mode, press **Menu 7.1** to start the Alarms feature. This feature allows you to:

- ◆ set the alarm to ring at a specific time.
- ◆ set the phone to switch on automatically and ring the alarm even if the phone is switched off.

The following options are available:

- ◆ **Wake-up alarm:** This alarm type repeats daily on a specified range of days in the week.
- ◆ **Alarm1-4:** This alarm type occurs only once or repeats daily.
- ◆ **Auto power-up:** When this option is set to **On**, the alarm rings at the specified time, even if the phone is switched off. If the menu option is set to **Off** and the phone is switched off at the specified time, the alarm does not ring.

Setting an alarm or wake-up call:

1. In Idle mode, press **Menu 7.1**.
2. Highlight the type of alarm you want to set. Press the **Options** soft key, highlight **Select** and press the  key.

3. Turn the **Alarm activation On** or **Off** by pressing the left or right navigation keys.
4. Press the down navigation key to highlight **Alarm time**. Use the left and right navigation keys to highlight the time elements you want to change. Enter the time for the alarm to sound.

Your phone is preset to use 12-hour format. To change the format, see “Time & date” on page 157.
5. Press the down navigation key to highlight **Alarm type** and press the  key to choose. Make a selection and press the **OK** soft key.
6. Press the down navigation key to highlight **Alarm tone**. Press the  key to display the available audio folders from which you can select a tone. See “Media” on page 68 for further information about the different audio folders.
7. Press the down navigation key to highlight **Alarm volume**. Press the  key to hear a preview. Press the left or right navigation keys to adjust the volume.
8. Press the down navigation key to set the alarm frequency. Press the  key and scroll up or down to highlight a frequency option and press the  key to add a checkmark. Press the **OK** soft key.
9. Press the down navigation key to highlight **Snooze**. Scroll left or right to set the snooze time. Select **Off** to disable snooze or specify a duration.
10. If you enabled snooze, scroll down to set the number of snooze repeats
11. When you are finished, press the  key.

Note: To stop the Wake-up call when it rings, open the phone and press the **OK** or **Snooze** soft key.

Calendar

With the Calendar feature (**Menu 7.2**), you can:

- ◆ consult the calendar to check your memos.
- ◆ write memos to keep track of your schedule.
- ◆ set an alarm to act as a reminder.

Consulting the Calendar

You can view the Calendar in one of the following ways:

- ◆ **Month view**: Displays a monthly calendar, the calendar appears with today's date highlighted.
- ◆ **Week view**: Displays all of your week's appointments in hourly blocks.
- ◆ **Day view**: Displays all the scheduled events for a given date.

To change the view

In **Menu 7.2**, press the **Options** soft key and highlight **View mode** and press the **Select** soft key. In the **View mode** submenu, highlight the view you want and press the **Select** soft key.

Calendar Options

Depending on your current view, some of the following options are available when you press the **Options** soft key:

- ◆ **View**: Opens a view of the highlighted calendar day.
- ◆ **View mode**: Changes how the calendar is displayed.
- ◆ **Create**: Allows you to create the following types of calendar entries. See "Writing a Calendar entry" on page 126 for further information:
 - ◆ **Appointment**: Specify an event at a specific time and place.
 - ◆ **Anniversary**: Specify a special occasion.
 - ◆ **Holiday**: Specify a holiday.
 - ◆ **Important**: Specify miscellaneous events.
 - ◆ **Private**: Specify personal events.
- ◆ **Go to**: Allows you to go to a specific date.

- ◆ **Event list:** Lets you view the events you have created.
- ◆ **Delete:** Allows you to delete entries according to the selected criteria.
- ◆ **Settings:** Lets you specify the default settings. For more information, see “Calendar settings” on page 186.
- ◆ **Missed alarm event:** Lists the scheduled calendar entries that you have missed.
- ◆ **Memory status:** Displays the memory status by event type. The numbers indicate memory used and memory available. For example, 1/100 in the Appointment category means 1 appointment entry exists and 99 more may be added.

Writing a Calendar entry

You can create up to 100 Appointment entries, in addition to 50 Anniversary, 50 Holiday, 20 Important, and 20 Private entries. To write or edit a calendar entry on a specific date:

1. Highlight a timeslot on the current view (month, week or day), using the navigation keys and press the  key.

Note: If you are on the Monthly view, you can skip to the previous or next month by pressing the Volume keys on the left side of the phone.

2. Press the **Options** soft key and select **Create**.
3. Choose the type of entry and press the **Select** soft key.
4. Enter the event information. Press the down navigation key to highlight each option.

Note: Because some of the following options are associated with particular fields or event types and may not always be present, options are listed in alphabetical order.

- ◆ **Alarm:** Press the  key to enable or disable the alarm. If enabled, you can specify a warning to go off some time **Before** the event

(for example, 1 day, or 2 minutes prior to the event). You can then scroll down to set the **Alarm tone** that will sound. Press the  key to select a different alarm tone.

- ◆ **By date:** Lets you specify a reminder by date.
- ◆ **By day:** Lets you specify a reminder by day.
- ◆ **Date:** Enter a date for an occasion, anniversary or holiday.
- ◆ **Details:** Enter additional information, if required.
- ◆ **End date:** Enter the end date for the event or due date for the task.
- ◆ **End time:** Enter the end time.
- ◆ **Every:** Specify a day for the reminder.
- ◆ **Except weekends:** Lets you exclude weekends.
- ◆ **Expiry:** Enter the date when the entry is no longer repeated.
- ◆ **Location:** Enter text describing the location.
- ◆ **Repeat every year:** Indicate if you want to be reminded yearly of this occasion, anniversary or holiday
- ◆ **Repeat:** Press the  key to enable or disable the repeat. Depending on the type of entry, you can configure the repeat period by pressing the left or right navigation key.
- ◆ **Start date:** Enter the start date. Use the numeric keys to enter the numbers for dates and times.
- ◆ **Start time:** Enter the start time.
- ◆ **Title/Occasion:** Enter text describing the event. See “Entering Text” on page 39 for further information.

5. Press the **Save** soft key to save the calendar entry.

The corners of the date on the calendar change to indicate that a calendar entry exists for that date.

Viewing a Calendar entry

To view the details for a day, highlight the day in the calendar view and press the  key. The entry for the day is displayed.

If more than one entry is stored, press the up or down navigation key to scroll to highlight the previous or next entry and then use the following options by pressing the **Options** soft key.

- ◆ **View:** Allows you to view the highlighted entry details. You can press the **Options** soft key for additional options. See “Options available while viewing the details of a saved event” below.
- ◆ **Create:** Allows you to create a new entry for the highlighted date.
- ◆ **Send via:** Allows you to send the highlighted entry as a message or email, or to a compatible Bluetooth device.
- ◆ **View mode:** Changes how the calendar is displayed.
- ◆ **Event list:** Lets you view specific types of scheduled events.
- ◆ **Delete:** Allows you to delete the **Selected** entry or **All** entries.
- ◆ **Save to media:** Saves the details of the event to the **Other files** folder. For information on accessing files, see “Other files” on page 78.
- ◆ **Print via Bluetooth:** Lets you print the details of the event using a Bluetooth-enabled device.
- ◆ **Settings:** Lets you set the defaults for calendar options. For more information, see “Calendar settings” on page 186.
- ◆ **Missed alarm event:** Displays a list of events that have passed without your acknowledgement of the alarm. For more information, see “Missed alarm events” on page 129.
- ◆ **Memory status:** Displays the current memory usage for saved events.

Options available while viewing the details of a saved event

When viewing the details of a saved event, press the **Options** soft key to access the following options. Some of the following options are associated with particular fields or event types and may not always be present.

- ◆ **Edit:** Lets you edit the details of the selected entry.
- ◆ **Send via:** Allows you to send the highlighted entry as a message or email, or to a compatible Bluetooth device.
- ◆ **Delete:** Deletes the selected entry.
- ◆ **Save to media:** Saves the details of the event to the **Other files** folder. For information on accessing files, see “Other files” on page 78.
- ◆ **Print via Bluetooth:** Lets you print the details of the event using a Bluetooth-enabled device.

- ◆ **Settings:** Lets you set the defaults for calendar options. For more information, see “Calendar settings” on page 186.
- ◆ **Missed alarm event:** Displays a list of events that have passed without your acknowledgement of the alarm. For more information, see “Missed alarm events” on page 129.
- ◆ **Memory status:** Displays the current memory usage for saved events.

Missed alarm events

While viewing the calendar or a calendar entry, the **Missed alarm events** option is accessible from the **Options** soft key menu. It shows all the calendar entries that you have missed. If more than one entry is stored, press the up or down navigation key to scroll to the previous or next entry. You can use the following options by pressing the **Options** soft key:

- ◆ **View:** Allows you to view the highlighted entry details.
- ◆ **Delete:** Allows you to delete the currently selected missed alarm event.
- ◆ **Delete all:** Allows you to delete all missed alarm events.

Tasks

You can use the Task function (**Menu 7.3**) to in the same way you would use a to-do list. When the task has been completed, you can check it off as done.

To enter tasks:

1. In Idle mode, press **Menu 7.3** to start the **Tasks** feature
2. The first time you enter the task menu, it will be empty. Press the **Options** soft key and highlight **Create**. Press the **Select** soft key or the  key.
3. In the **Title** text box, give the task a name.

4. In the **Task** text box, enter your task. It can be up to 100 characters long.
5. Press the down navigation key and highlight the **Start date** option. Enter the start date.
6. Scroll down and repeat step 5 for the **Due date**.
7. Scroll down to highlight **Alarm**. Press the  key to enable or disable the alarm. If you enabled the alarm:
 - ◆ You can specify a warning to go off some time **Before** the event (for example, 1 day, or 2 weeks prior to the event).
 - ◆ In the **Alarm time** box, specify the time of day you want the alarm to sound.
 - ◆ Set the **Alarm Tone** you prefer. Press the  key to select a different alarm tone.
8. Scroll down and highlight **Priority**. Use the left or right navigation keys to set a level.
9. Press the  key to save.

To view your Task list

You can go to the Task menu (**Menu 7.3**) or you can see each task in the Day view of the calendar on the day it was scheduled.

To mark a task as done

1. Select the task in the task list.
2. Press the **Options** soft key and highlight **Done**. Press the **Select** soft key or the  key.
3. The task will have a check mark after it in the Task list.

Task options

From **Menu 7.3**, you can access the following options from the **Options** soft key menu:

- ◆ **View**: Lets you view the details of the highlighted task.
- ◆ **Create**: Lets you create new tasks.
- ◆ **Send via**: Allows you to send the highlighted task as a message or email, or to a compatible Bluetooth device.
- ◆ **Done/Not done**: Lets you indicate if a task is done or not.
- ◆ **Sort by**: Lets you sort tasks by **Priority**, **Due date**, or **Done** status.
- ◆ **Delete**: Deletes the file that is **Selected** (highlighted on the list) or you can opt to delete **All** files. Select **Done**, to delete those tasks marked as done.
- ◆ **Save to Media**: Saves the task details to the **Other files** folder.
- ◆ **Print via Bluetooth**: Lets you print the task details with a Bluetooth-enabled device.
- ◆ **Missed alarm event**: Lists the scheduled task entries that you have missed.
- ◆ **Memory status**: Displays the memory status for tasks.

Notes

You can use the Notes function (**Menu 7.4**) to in the same way you would use a to-do list or memo pad.

To write a note:

1. In Idle mode, press **Menu 7.4** to start the **Notes** feature.
2. The first time you enter the task menu, it will be empty. Press the **Options** soft key and highlight **Create**. Press the **Select** soft key or the  key.
3. In the **Notes** text box, enter your memo. It can be up to 100 characters long. The number in the bottom-right corner of the screen displays how many characters you have used.
4. Press the  key.

Notes options

From **Menu 7.4**, you can access the following options from the **Options** soft key menu:

- ◆ **View**: Lets you view the details of the highlighted note.
- ◆ **Create**: Lets you create new notes.
- ◆ **Send via**: Allows you to send the highlighted note as a message or email, or to a compatible Bluetooth device.
- ◆ **Delete**: Deletes the note that is **Selected** (highlighted on the list) or you can opt to delete **All** notes.
- ◆ **Save to media**: Saves the note details to the **Other files** folder.
- ◆ **Print via Bluetooth**: Lets you print the note details with a Bluetooth-enabled device.
- ◆ **Memory status**: Displays the memory status for notes.

Calculator

With this feature (**Menu 7.5**), you can use the phone as a calculator. The calculator provides basic arithmetic functions: addition, subtraction, multiplication and division.

1. Enter the first number using the numeric keys.
 - ◆ To delete mistakes or clear the display, press the  key.
 - ◆ To include a decimal point or a bracket, press the left soft key until the symbol you want is displayed.
2. Use the navigation keys to select the operations that you want. The diagram on the screen indicates which keys perform the functions.
3. Enter the second number.
4. To view the result, press the  key.
5. Repeat steps 1 to 4 as many times as required.

Tip calculator

Use the Tip calculator (**Menu 7.6**) to calculate tips when paying bills at restaurants, for example. You can also use it to calculate how much each person owes when multiple people are paying a bill.

To use the tip calculator:

1. In the **Bill** text box, enter the bill amount. The asterisk (*) key enters a decimal point.
2. The **Tip(%)** is set to 15 by default, but you can modify this percentage as necessary. The asterisk (*) key enters a decimal point. The **Tip(\$)** box displays the amount of the tip based on the specified bill amount and tip percentage.
3. If multiple people are paying the bill, specify this in the **# paying** box to calculate how much each person pays.
4. The total per paying person is displayed in the **You pay** box.
5. To make another calculation, press the **Reset** soft key and re-enter the values.

Converter

Using the Converter application (**Menu 7.7**), you can easily determine many unit conversions (length, weight, volume, area, temperature) as well as currency conversions.

1. Highlight the conversion type and press the **Select** soft key:
 - ◆ **Currency**
 - ◆ **Length**
 - ◆ **Weight**
 - ◆ **Volume**
 - ◆ **Area**
 - ◆ **Temperature**

2. Press the left or right navigation key to specify the original unit type and scroll down to highlight the next field.

If you highlight **Currency**, you can view the exchange rates by pressing the **Options** soft key and selecting **View rate**.

3. Enter the amount to convert. Use the  key to insert a decimal. Scroll down to highlight the next field.
4. Press the left or right navigation key to specify the new unit type.
The converted value is displayed.
5. Press the **Back** soft key to calculate a new value.

Converter Options

From **Menu 7.7**, you can access the following options from the **Options** soft key menu depending on the conversion type selected:

- ◆ **View rate**: Displays currency exchange rates.
- ◆ **Reverse**: Reverses the specified units.

World Time

The World Time (**Menu 7.8**) allows you to view the time of day or night in any part of the world.

1. Use the navigation keys to scroll through different time zones. For each time zone, a major city is displayed. You can select and view two time zones below the map.
2. You can choose the following options by pressing the **Options** soft key:
 - ◆ **Save**: Change the home time zone in the display.
 - ◆ **Daylight saving**: Lets you use daylight saving time for the displayed time zone.

Timer

The Timer application (**Menu 7.9**) allows you to create a digital countdown.

To start the timer:

1. Press the **Set** soft key.
2. Using the numeric keys, enter the amount of time that you wish to countdown from and press the **OK** soft key. Press the  key to start timer.
3. Press the  key to stop or restart timer.

Stopwatch

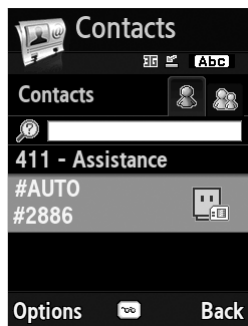
The Stopwatch application (**Menu 7.10**) allows you to use your phone as a stop watch.

1. Press the  key to start the stopwatch. You can take up to four laptimes by pressing the  key.
2. Press the **Reset** soft key to erase all stop watch times recorded.

Contacts

You can store phone numbers and their corresponding names in both your SIM card and phone's memory. They are physically separate but are used as a single entity, called your **Contacts** (**Menu 8**).

From the **Contacts** menu, you can view two tabs: **Contacts** and **Groups**.



Press the left or right navigation keys to move between the tabs.

Contacts

The **Contacts** tab displays all your stored phone numbers located in both your phone's memory and your SIM card.

While viewing your **Contacts** list, press the **Options** soft key to access the following options:

- ◆ **View**: Displays the details for the highlighted contact.
- ◆ **Add New Contact**: Allows you to create a new contact. See “Adding a new contact” on page 138.
- ◆ **Voice call**: Calls the highlighted contact.

- ◆ **Video call:** Sets up a video call with the highlighted contact.
- ◆ **Send message:** Allows you to send a text **Message** or **Email** message to the highlighted contact.
- ◆ **Edit:** Allows you to edit the name and contact information.
- ◆ **Duplicate:** Creates a copy of the highlighted contact. You can edit this contact entry and save it as a new contact.
- ◆ **Delete:** Allows you to delete either the **Selected** number or **Multiple** numbers from the Contact List. You are asked to confirm that you wish to delete the name and number by pressing the **Yes** soft key.
- ◆ **Save to Media:** Saves a copy of the contact as a .vcf file in your Other files for in the Media Menu.
- ◆ **Send Name Card via:** Sends a copy of your Contact details to another phone. Select **Message**, **Email** or **Bluetooth**.
- ◆ **My Name Card:** Displays the saved information on your name card, which you can edit.
- ◆ **Assign speed dial:** Assigns the highlighted phone number to a speed dial number. For more information, see “Speed dial” on page 100.
- ◆ **Copy to phone/SIM:** Allows you to copy either the **Selected** contact or **Multiple** contacts from the phone to the SIM card or from the SIM card to the phone.
- ◆ **Move to phone/SIM:** Allows you to move either the **Selected** contact or **Multiple** contacts from the phone to the SIM card or from the SIM card to the phone.
- ◆ **Service number:** Allows you to search through your address book listings of saved service numbers.
- ◆ **FDN contacts:** Allows you to search through the list of your FDN contacts.
- ◆ **Copy to FDN contacts:** Allows you to copy the frequently dialed contact entry from your phone to the FDN section of the SIM card.
- ◆ **Print via Bluetooth:** Allows you send the selected contact entry information to a Bluetooth compatible printer.

- ◆ **Contact settings:** Allows you to access the address book settings menu. For more information, see “Contact settings” on page 186.
- ◆ **Memory status:** Allows you to view the amount of memory allocation for the following categories: Phone, USIM, Additional No.1, Additional No.2, Email, and FDN.

Adding a new contact

There are two ways to store a number: from the Idle screen and from the Contacts menu.

Storing a number in Idle mode

As soon as you start to enter a number, **Options** appears above the left soft key to allow you to store the number in the Contact List.

1. Enter the number you want to store.

Note: If you make a mistake while entering a number, correct it using .

2. When you are sure that it is correct, press the **Options** soft key.
3. Select **Add to contacts**. Select the memory location to store the new contact, either **Phone** or **SIM**.

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

4. Highlight **New** and press the **Select** soft key or the  key.

5. If you are saving the number to your Phone, select the type of number (Mobile, Landline, etc.), and press the **Select** soft key or the  key. If you are saving the number to your SIM card, skip this step.
6. Enter a First Name and then press the down navigation key.
7. Enter a Last Name. For further details about entering characters, see “Entering Text” on page 39.
8. When you are finished, press the  key to save the contact.

Storing a number using the Contacts menu

1. In Idle mode, press the **Menu** soft key to access the menu.
2. Highlight **Contacts** and press the **Select** soft key or the  key.
3. Press the **Options** soft key. Scroll to **Add new Contact** by pressing the up or down navigation key and press the **Select** soft key.
4. Select a memory location, either **Phone** or **SIM**, by pressing the up or down navigation key and press the **Select** soft key.
5. Enter a First Name and then press the down navigation key.
6. Enter a Last Name. For further details about entering characters, see “Entering Text” on page 39.
7. When you are finished, press the  key to save the contact.

Searching for a number by name

1. In Idle mode, press the  key to access the Main Menu.
2. Highlight **Contacts** and press the **Select** soft key or  key.

3. Enter the first few letters of the name that you want to find. The Contacts entries are listed, starting with the first entry matching your input.

To	Press the
view the highlighted entry	 key.
select a different entry	up or down navigation key until the entry you want highlights.
look for a name starting with a different letter	key labeled with the letter you want.

4. Once you have found the entry, press the  key to dial the number, or press the **Options** soft key to access the Contacts entry options.

Groups

You can organize your contacts into groups such as Work, Family and Friends. Once contacts are organized into groups, you can send messages to all members of a group simultaneously. Additionally, you can assign a unique picture or ringtone for all members of the group.

From the Groups tab, press the **Options** soft key to access the following options:

- ◆ **View:** Allows you to view the contacts in the group.
- ◆ **Create group:** Allows you to add a new group.
- ◆ **Send message:** Allows you to send a text message or Email message to all group members.
- ◆ **Delete:** Allows you to delete the highlighted group.
- ◆ **Rename:** Lets you change the name of the selected group.
- ◆ **Group settings:** Allows you to change either the Picture or the Ring Tune associated with the group.

Creating a new group

1. In Idle mode, press the **Menu** soft key to access the menu.
2. Highlight **Contacts** and press the **Select** soft key or  key.
3. Select the **Groups** tab by pressing the left or right navigation key.
4. Press the **Options** soft key and select **Create group**.
5. Enter the name of the new group.
6. When you are finished, press the **Save** soft key.

Adding a contact to a group

1. In Idle mode, press the **Menu** soft key to access the menu.
2. Highlight **Contacts** and press the **Select** soft key or  key.
3. Select the **Groups** tab by pressing the left or right navigation key.
4. Highlight the desired group that you wish to add the contact to and press the  key.
5. Press the **Options** soft key and select **Add member**. Your Contact List is displayed.
6. To add a contact to the group, highlight the desired contact and press  to check/uncheck the contact. Repeat for any additional contacts that you wish to add.
7. When you have finished, press the **Add** soft key.

Settings

You can customize many different features of your phone to suit your preferences. You can access all of these feature settings from the **Settings** menu (**Menu 9**).

Profiles

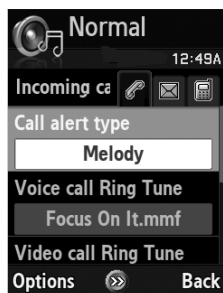
Profiles (**Menu 9.1**) are groups of customized settings, each specifically designed to make your phone behave differently in different situations. For example, you may not want your incoming call ring tune to play as loudly in a meeting as you would if you were outdoors. For this reason, the phone is equipped with a profile for both of these situations.

Your phone is equipped with the following six profiles:

- ◆ **Normal:** For use in situations that do not require special sound settings.
- ◆ **Silent:** For use in situations where you do not want your phone to use audible sounds for incoming call alerts, new message alerts, or when turning the phone on or off.
- ◆ **Driving:** For use while driving.
- ◆ **Meeting:** For use in situations where you want to minimize loud interruptions.
- ◆ **Outdoor:** For use outdoors or in loud environments where it may be difficult to hear alert tones.
- ◆ **Offline:** For use when your phone is not connected to the network, which may be the case if you are using the calculator, for example.

To view the settings for each of the profiles

Scroll to a profile listed in **Menu 9.1**, press the **Options** soft key, highlight **Edit** and press the **Select** soft key. With the exception of the Offline profile, each profile is divided into three setting categories, which you can scroll to using the left and right navigation keys:



Scroll left and right to change the setting category:

1. **Incoming call**
2. **New messages**
3. **Phone sounds**

1. **Incoming call:** Lets you specify the manner in which the phone alerts you to incoming voice and video calls. For example, you can choose to be alerted by a melody, or by a melody and vibration. You can also specify ring tunes for voice and video calls, and set the volume of audible alerts. This setting tab is not available for the Offline profile.
2. **New messages:** Lets you specify the manner in which the phone alerts you to incoming messages. You can also specify the message alert tone and the frequency of alert reminders. This setting tab is not available for the Offline profile.
3. **Phone sounds:** Lets you specify the sounds made by the phone when you press a key, turn the phone on or off, or open and closed the phone.

Specifying the profile you want to use

Select the profile that best suits your surroundings or situation. For detailed information about profiles, see “Profiles” on page 142.

To select a profile:

1. In Idle mode, press the **Menu** soft key to access the menu.
2. Highlight **Settings** and press the **Select** soft key.
3. Highlight **Profiles** and press the **Select** soft key.
4. Highlight a profile and press the  key.

A message appears notifying you that the profile has been changed.

Note: You can turn the Silent profile on at any time by pressing and holding the pound key. The phone displays the message “Silent Profile on”. Press and hold this key again to enable Normal mode.

Editing the settings within a profile

You can customize the settings within any profile if the default settings do not suit your needs or preferences. For detailed information about profiles, see “Profiles” on page 142.

To edit profile settings:

1. In Idle mode, press the **Menu** soft key to access the menu.
2. Highlight **Settings** and press the **Select** soft key.
3. Highlight **Profiles** and press the **Select** soft key.
4. Highlight the profile you want to modify and press the **Options** soft key.

5. Highlight **Edit** and press the **Select** soft key. If you are modifying the Offline profile, the **Phone sounds** tab is displayed. If you are modifying any other profile, the **Incoming call** tab is displayed and the currently configured **Call alert type** sound is played.
6. If necessary, use the left and right navigation keys to select a setting tab: **Incoming call**, **New messages**, or **Phone sounds**.
7. Do one of the following depending on your selection in the previous step:
 - ◆ If you selected the **Incoming call** setting tab, you can configure the following settings:
 - Call alert type**: Lets you specify how you want to be alerted to incoming calls. Highlight an alert type and press the **OK** soft key.
 - Voice call Ring Tune**: Lets you specify a ring tune for incoming voice calls. You can select ring tunes from the **Ring Tunes** folder which contains default and downloaded ring tunes.
 - Video call Ring Tune**: Lets you specify a ring tune for incoming video calls. You can select ring tunes from the **Ring Tunes** folder which contains default and downloaded ring tunes.
 - Ring Tune volume**: Lets you specify the volume (level 1 to 7) for the selected ringtones.
 - Auto reply**: Lets you enable and configure auto reply. Use the left and right navigation keys to enable (**On**) and disable (**Off**) auto reply. If you select **On**, press the down navigation key to highlight the **Reply to send** area and type the message you want to use for automatic replies.

- ◆ If you selected the **New messages** setting tab, you can configure the following settings:
 - **Message alert type:** Lets you specify how you want to be alerted to incoming text messages. Highlight an alert type and press the **OK** soft key.
 - **Message alert tone:** Lets you specify an alert tone for incoming text messages. You can select **Use effect tone** or **Use my alert tone** from the **Ring Tunes** folder which contains default and downloaded tones.
 - **Message alert repetition:** Lets you specify whether the message alert tone is used to notify you of a new message only once or periodically until you open the message.
 - **Alert tone volume:** Lets you specify the volume (level 1 to 7) for the selected alert tone.
- ◆ If you selected the **Phone sounds** setting tab, you can configure the following settings:
 - **Keypad tone:** Lets you specify the tone played when you press a button on keypad.
 - **Power on type:** Lets you specify the tone played when you turn the phone on.
 - **Power off type:** Lets you specify the tone played when you turn the phone off.
 - **Folder open/close tone:** Lets you specify the tone played when you flip the phone open or closed.
 - **Volume, phone sounds:** Lets you specify the volume (level 0 to 7) for the selected tones.

8. To save changes made to the profile settings, press the **Options** soft key, highlight **Save** and press the **Select** soft key.

Display settings

Display settings (**Menu 9.2**) let you configure the appearance of both LCD displays on your phone, as well as the backlight illumination of keys and screens.

You can customize the following settings:

- ◆ **Main display:** Lets you configure the appearance of the LCD display on the inside of the phone. For more information, see “Main display” on page 147.
- ◆ **Front display:** Lets you configure the appearance of the LCD display on the front of the phone. For more information, “Front Display” on page 151.
- ◆ **Light settings:** Lets you configure the backlight illumination of keys and screens. For more information, “Light settings” on page 154.

Main display

Use the Main display settings (**Menu 9.2.1**) to configure the appearance of the LCD display on the inside of the phone.

Wallpaper

This menu allows you to change the background image on the main LCD display.

To change the wallpaper:

1. In Idle mode, press the **Menu** soft key to access the menu.
2. Highlight **Settings** and press the **Select** soft key.
3. Highlight **Display settings** and press the **Select** soft key.
4. Highlight **Main display** and press the **Select** soft key.
5. Highlight **Wallpaper** and press the **Select** soft key.

6. Scroll down to the folder that contains the file you want to use as wallpaper and press the  key.
7. Scroll to highlight the file and then press the **Select** soft key. A preview is displayed.
8. Press the **Set** soft key.

Greeting message

This menu allows you to change the greeting that is displayed on the main LCD display when you turn the phone on.

To change the greeting message:

1. In Idle mode, press the **Menu** soft key to access the menu.
2. Highlight **Settings** and press the **Select** soft key.
3. Highlight **Display settings** and press the **Select** soft key.
4. Highlight **Main display** and press the **Select** soft key.
5. Highlight **Greeting message** and press the **Select** soft key. The current greeting message is displayed. The number in the bottom-right corner of the screen indicates how many characters you can use. The maximum greeting length is 42 characters.
6. Use the keypad to enter a greeting message.
 - ◆ To delete characters, press the  key. Hold the  key down to delete all text.
 - ◆ Press the **Options** soft key to change the **Input language** (English or Français) or the **Input method**. For more information, see “Entering Text” on page 39.

7. To configure the appearance of the message, press the **Options** soft key, highlight **Edit style** and press the **Select** soft key. Use the up and down navigation keys to highlight an option and then use the left and right navigation keys to change the settings for the option.
8. Press the **OK** soft key to save the style changes.
9. Press the **Options** soft key and select **Save** to save the new greeting message settings.

Menu style

This option lets you specify how you want the main menu to be displayed. You can select **List menu** to arrange menu items in a list or **Icon menu** to arrange menu items in a grid.

Pop up list menu

Pop up list menus let you see the options within a menu without having to open the menu. A pop up list appears when the menu is highlighted. Highlight **On** or **Off** to enable or disable pop up lists and press the **Save** soft key. For more information on using menus, see “Menus” on page 52.

Idle screen setting

This menu lets you configure the functionality of the main LCD display when it is in idle mode. You can set it to display a calendar or select from a list of various clock styles and positions.

To change the idle screen settings:

1. In Idle mode, press the **Menu** soft key to access the menu.
2. Highlight **Settings** and press the **Select** soft key.
3. Highlight **Display settings** and press the **Select** soft key.

4. Highlight **Main display** and press the **Select** soft key.
5. Highlight **Idle screen setting** and press the **Select** soft key.
6. Use the left and right navigation keys to scroll through and see a preview of the options. If you select a clock that you can position, the position options are displayed. Scroll down to highlight the option, and scroll left or right to view the available positions.
7. Press the **Save** soft key when you have finished the modification.

Dialing display

This menu lets you configure the appearance of the LCD display when you dial phone numbers. You can specify font type, size and color, as well as the background color.

To modify dialing display settings:

1. In Idle mode, press the **Menu** soft key to access the menu.
2. Highlight **Settings** and press the **Select** soft key.
3. Highlight **Display settings** and press the **Select** soft key.
4. Highlight **Main display** and press the **Select** soft key.
5. Highlight **Dialing display** and press the **Select** soft key.
6. Scroll to the option you want to configure and press the **Select** soft key:
 - ◆ **Font type:** Lets you select a font style. Scroll left or right to view the options and press the **Save** soft key to make a selection.

Note: The remaining options are available only when you specify Normal as the font type.

- ◆ **Font size:** Lets you specify the size of the dialing font. Scroll left or right to view the options and press the **Save** soft key to make a selection.
- ◆ **Font color:** Lets you specify the color of the dialing font. Scroll left or right to view the options and press the **Save** soft key to make a selection. For some color options, you can scroll down to additional selections.
- ◆ **Background color:** Lets you specify a background color to be used on the LCD display when you dial a number. Scroll left or right to view the options and press the **Save** soft key to make a selection.

Front Display

Use the Front display settings (**Menu 9.2.2**) to configure the appearance of the LCD display on the outside of the phone.

Wallpaper

This menu lets you specify what is displayed on the LCD display on the front of the phone when the phone is closed.

To specify wallpaper for the front LCD display:

1. In Idle mode, press the **Menu** soft key to access the menu.
2. Highlight **Settings** and press the **Select** soft key.
3. Highlight **Display settings** and press the **Select** soft key.
4. Highlight **Front display** and press the **Select** soft key.
5. Highlight **Wallpaper** and press the **Select** soft key.

6. Select either **Clock**, **My image**, or **Screen slogan**. A preview of the wallpaper is displayed.
- ◆ If you do not want to change what is displayed in the preview, press the **Options** soft key and select **Save**. The modifications are complete.
 - ◆ If you want to make further configurations to the previewed wallpaper, press the **Options** soft key, select **Edit**, and continue with this procedure.
7. Do one of the following depending on the wallpaper you selected in the previous step:
- ◆ If you selected **Clock**, scroll left or right to view clock options. Press the **Save** soft key to make your selection.
 - ◆ If you selected **My image**, follow these steps:
 - Press the **Change** soft key to access the Media folders.
 - Scroll to the folder that contains the image you want to use and press the **Select** soft key.
 - Scroll to the image and press the **Select** soft key.
 - If necessary, use the navigation keys to isolate a specific area of the image and use the soft keys to zoom in or out.
 - When you are done, press the  key, press the **Options** soft key and select **Set**.
 - ◆ If you selected **Screen slogan**, follow these steps
 - Type the new slogan in the edit box. To delete characters, press the  key. Hold this key down to delete all text. For more information on entering text, see “Entering Text” on page 39.
 - Press the **Save** soft key when you are done. The slogan will be displayed after the greeting message when you turn on the phone. For information on configuring the greeting message for the front LCD display, see “Greeting message” on page 153.

Greeting message

This menu lets you specify the greeting message that is displayed on the front LCD display when you turn on the phone. After the greeting is displayed, the front LCD will display according to the settings in the Wallpaper options for the front LCD. For information on Wallpaper settings, see “Wallpaper” on page 151.

To modify the greeting message for the front LCD display:

1. In Idle mode, press the **Menu** soft key to access the menu.
2. Highlight **Settings** and press the **Select** soft key.
3. Highlight **Display settings** and press the **Select** soft key.
4. Highlight **Front Display** and press the **Select** soft key.
5. Highlight **Greeting message** and press the **Select** soft key. The current message is displayed in a preview, and an edit box is located below it.
6. Type the new greeting message in the edit box.
 - ◆ To delete characters, press the  key. Hold the key down to delete all text.
 - ◆ Press the **Options** soft key to change the input language (English or Français) or the input method. For more information on entering text, “Entering Text” on page 39.
7. To change the font characteristics, press the **Options** soft key and select **Edit style**. Scroll to the option you want to configure:
 - ◆ **Background color**: Lets you specify a background color. Scroll left or right to view the options.
 - ◆ **Font color**: Lets you specify the color of the dialing font by scrolling left or right.
 - ◆ **Font size**: Lets you specify the size of the dialing font. Scroll left or right to view the options.
 - ◆ **Font type**: Lets you select a font style by scrolling left or right.

8. Press the **OK** soft key when you have completed the configuration. The preview is updated with the new settings.
9. To save, press the **Options** soft key and select **Save**.

Light settings

Use the Light settings (**Menu 9.2.3**) to configure screen backlight, keypad light and touch light options.

Brightness

This menu lets you set screen brightness. Scroll left or right to change the brightness and see a preview. Press the **Save** soft key to make the selection.

Backlight time

This menu lets you configure screen backlight behavior. While you use the phone, the display screens are backlit for improved viewing. If the phone remains idle for a specified period of time, the back light is turned off and the screen is dimmed for a specified amount of time, after which the screen turns off. With these settings, you can specify how long the LCD screens' backlights stay on when the phone is idle, and how long the screens remain on but unlit (dimmed) before going into power save mode (screens turn off).

To configure backlight settings:

1. In Idle mode, press the **Menu** soft key to access the menu.
2. Highlight **Settings** and press the **Select** soft key.
3. Highlight **Display settings** and press the **Select** soft key.
4. Highlight **Light settings** and press the **Select** soft key.
5. Highlight **Backlight time** and press the **Select** soft key. The current settings are displayed in edit boxes.

6. Highlight **On** and press the  key to access the On options.
7. Scroll up or down to select the amount of time you want the screens to remain backlit when the phone is idle. Press the **OK** soft key to make the selection.

Note: Shorter backlight times maximize battery charge duration.

8. Scroll down to highlight **Dim** and press the  key to access the Dim options.
9. Scroll up or down to highlight the amount of time the screen stays on without backlighting after the backlight time expires. Keep in mind, when the specified Dim time expires, the screen will turn off until you press a button or key again.
10. Press the **OK** soft key to make the selection.
11. Press the **Save** soft key to save the new settings.

Keypad light

This menu lets you specify how long the keypad remains lit while the phone is idle.

To modify the Keypad Light settings:

1. In Idle mode, press the **Menu** soft key to access the menu.
2. Highlight **Settings** and press the **Select** soft key.
3. Highlight **Display settings** and press the **Select** soft key.
4. Highlight **Light settings** and press the **Select** soft key.
5. Highlight **Keypad light** and press the **Select** soft key. The options are displayed with the current setting.

6. Use the up and down navigation keys to select one of the following options:
- ◆ **Use at any time:** The keypad light is enabled regardless of the time of day.
 - ◆ **Use at custom time:** The keypad light is enabled only during the specified time of day, which you can configure.
-

Note: Shorter key light times maximize battery charge duration.

7. Do one of the following:
- ◆ If you selected **Use at any time**, press the **Save** soft key to save the setting and exit. The configuration is complete.
 - ◆ If you selected **Use at custom Time**, press the  key to access the time settings. Proceed to the next step.
8. In the **After Time** edit box, specify the time of day (on a 24 hour clock) after which the keypad light are enabled. Scroll left or right to highlight and change numbers. Press  to delete a number. Hold  down to delete all the highlighted numbers. For example, if you want the keypad lights to be enabled when daylight ends during the summer months, enter 19:00. The keypad lights will then work when you use the phone anytime after 7:00pm.
9. Scroll down to the **Until Time** edit box and specify the time of day (on a 24 hour clock) after which the keypad lights are disabled. Scroll left or right to highlight and change numbers. Press  to delete a number. Hold  down to delete all the highlighted numbers. For example, if you want the keypad lights to be disabled during daylight hours, enter 6:00. The keypad lights will then be disabled after 6:00am.
10. Press the **Save** soft key to save both time settings.

Touch light

This menu lets you enable or disable the illumination of the Media player control keys on the front of the phone. For information on using the Media player, see “Media player” on page 87.

Front LCD contrast

This menu lets you adjust the contrast on the LCD display located on the flip lid of the phone.

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 the **Menu** soft key to access the menu.
2. Highlight **Settings** and press the **Select** soft key.
3. Highlight **Time & date** and press the **Select** soft key.
4. Scroll up or down to select the setting you want to change, then press the  key to view the options for that setting:
 - ◆ **Time zone updating:** Lets you specify how the time zone information is updated. You can select **Manual only**, **Prompt first**, or **Automatic**.
 - ◆ **Home zone:** Lets you specify the time zone in which you are located based on Greenwich Mean Time. Scroll left or right to indicate your time zone. You can also enable or disable **Daylight saving** depending on whether it is observed where you live. Press the **OK** soft key after you configure this setting.
 - ◆ **Time:** Lets you enter the current time using the keypad. Scroll left or right to highlight the information you want to modify and then type the new information. To switch between AM and PM, highlight this information, and press the right navigation key or any number key.

- ◆ **Date:** Lets you enter the current date using the keypad. Scroll left or right to highlight the information you want to modify and then type the new information.
- ◆ **Time format:** Lets you specify the time format (12 hour or 24 hour clock). Scroll left or right to select.
- ◆ **Date format:** Lets you specify the date format you prefer to use. You can scroll up or down to select different orders of day, month, and year information. Press the **OK** soft key after you configure this setting.

5. Press the **Save** soft key to save and exit.

Phone settings

Use this menu (**Menu 9.4**) to configure general phone settings. You can modify settings related to the user interface language, shortcuts, your phone number.

To modify Phone settings options:

1. In Idle mode, press the **Menu** soft key to access the menu.
2. Highlight **Settings** and press the **Select** soft key.
3. Highlight **Phone settings** and press the **Select** soft key.
4. Scroll up or down to highlight the setting you want to change, then press the **Select** soft key to view the options for that setting. Press the **Save** soft key to save changes. You can configure the following options:
 - ◆ **Language:** Lets you specify the language used for user interface text that is displayed on the screen, as well as for the T9 text input dictionary.
 - **Screen text:** You can select **English** or **Français**. If you select **Automatic**, the language is automatically set based on the language read from the SIM card in the phone.

• **Input T9:** You can select **English** or **Français** as the language used in T9 input mode. For more information on this input mode, see “Using T9 Mode” on page 40.

- ◆ **Shortcuts:** Lets you assign applications to the navigation keys for quick access. To change the application assigned to a navigation key, press the navigation key you want to modify and press the  key. Scroll up or down to select the application you want to assign to the navigation key.
- ◆ **Own number:** Lets you view your cell phone number and record numbers for other personal phones.

Call settings

Call settings (**Menu 9.5**) let you configure the actions taken by the phone when you dial and receive calls. You can configure settings for the following call types:

- ◆ **All calls:** Lets you configure some common, high-level parameters used by the phone for most call types. For more information, see “All calls” on page 160.
- ◆ **Voice call:** Lets you configure features such including Call Forwarding, Call Barring, Call Waiting and Auto Redial for voice calls. For more information, see “Voice call” on page 162.
- ◆ **Video call:** Lets you configure features including image selection, call fail options, Call Forwarding, Call Barring, and Auto Redial for video calls. For more information, see “Video call” on page 167.
- ◆ **Data call:** Lets you configure features including Call Forwarding, Call Barring, Call Waiting for data calls. For more information, see “Data call” on page 170.

All calls

This menu (**Menu 9.5.1**) lets you configure high-level features that specify how calls are handled. To access the settings for any of these features, use the navigation keys to highlight the feature and then press the  key.

- ◆ **Show my number:** Lets you specify how your ID is handled when you initiate an outgoing call. Scroll up or down to highlight one of the following options and press the **Save** soft key.
 - ◆ **By network:** You are identified to the recipient using the default network information.
 - ◆ **Send:** Your phone number and name are sent to the recipient.
 - ◆ **Hide:** Your identification is hidden from the recipient.
- ◆ **Closed user group:** This option is displayed only if closed user groups are supported by your SIM card. Your service provider must also support this feature in order for you to enable, configure and use it. Contact your service provider for more information.
- ◆ **Auto reject:** Lets you automatically reject calls from a specified list of contacts. For details on how to enable this feature, see “To enable and configure the Auto reject feature” on page 161.
- ◆ **Answering mode:** Lets you specify the method by which you answer incoming calls. Scroll up or down to highlight one of the following options and press the **Save** soft key.
 - ◆ **Normal:** Lets you answer an incoming call by pressing either the **Accept** soft key or the  key.
 - ◆ **Any key:** Lets you answer an incoming call by pressing any key on your phone.
 - ◆ **Active flip:** Lets you answer an incoming call by opening the phone.
- ◆ **Show caller ID:** Lets you enable the Caller ID feature, which displays the phone number of the caller. The IDs of “Unknown” callers cannot be displayed. Scroll up or down to highlight one of the following options and press the **Save** soft key.
 - ◆ **Activation:** Scroll left or right to enable (**On**) and disable (**Off**) this feature.

- ◆ **with cover display:** Highlight this option and press the  key to enable (checked) or disable (unchecked) the displaying of caller IDs on the front LCD display in addition to the main display.
- ◆ **Call status tones:** Lets you activate additional alert tones. Scroll up or down to highlight one of the following options and press the  key to enable (checked) or disable (unchecked) the option. When you are done, press **Save** soft key to save the selection.
 - ◆ **Call connect tone:** Enable this option to be alerted by a tone when a call connection is successful.
 - ◆ **Minute minder:** Enable this option to be alerted by a tone after each minute of the call's duration.
 - ◆ **Call end tone:** Enable this option to be alerted by a tone when a call connection is terminated.
- ◆ **Alerts on call:** Lets you specify whether you want to be alerted by a tone when a message is received while you are on a call. Scroll up or down to highlight either **On** or **Off** and press the **Save** soft key.

To enable and configure the Auto reject feature

1. In Idle mode, press the **Menu** soft key to access the menu.
2. Highlight **Settings** and press the **Select** soft key.
3. Highlight **Call settings** and press the **Select** soft key.
4. Highlight **All calls** and press the **Select** soft key.
5. Highlight **Auto reject** and press the **Select** soft key.
6. Highlight **Activation** and scroll to select **On**.
7. Scroll down to highlight **Reject list** and press the  key to view the current list.

Note: If this is the first time you have accessed this feature, the only item on the list is the default, **Unknown**.

8. If you have already created an Reject List and do not need to add entries to it, proceed to step 10. Otherwise, press the **Create** soft key.
9. Enter the number of the caller you want to add to the Reject List. To do this, you can do one of the following:
 - ◆ Type the number into the edit box.
 - ◆ Press the **Search** soft key and select either **Call History** (to view a list of recent calls) or **Contacts** (to view your Contacts list). Scroll to the number you want to add to the Auto Reject List and press the **Select** soft key. Then press the **Save** soft key.
10. Scroll through the numbers in the Auto Reject List and press the  key to place a checkmark next to those callers you want to automatically reject. You can press the **Options** soft key to create, edit or delete an entry.
11. When you have made your selections, press the **Options** soft key, highlight **OK** and press the **Select** soft key. The settings are saved.
12. Press the **OK** soft key again to exit.

Voice call

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

- ◆ **Call forwarding:** Reroute incoming voice calls to a different phone number. See “Call forwarding” on page 163 for more information.
- ◆ **Call barring:** Restrict certain types of calls from being made or received with the phone. See “Call barring” on page 164 for more information.
- ◆ **Call waiting:** Configure the phone to alert you when someone is trying to reach you while you are on another call. See “Call waiting” on page 166 for more information.

- ◆ **Auto redial:** Configure your phone to automatically redial the last dialed number if the call connection is lost or if the call was unable to connect. See “Auto redial” on page 167 for more information.

Call forwarding

Call forwarding lets you reroute incoming calls to a number you specify. For example, you can forward all incoming calls to your office land line while you are in the office, or forward the calls you do not answer to your home voice mail.

To set your call forwarding options:

1. In Idle mode, press the **Menu** soft key to access the menu.
2. Highlight **Settings** and press the **Select** soft key.
3. Highlight **Call settings** and press the **Select** soft key.
4. Highlight **Voice call** and press the **Select** soft key.
5. Highlight **Call forwarding** and press the **Select** soft key.
6. Highlight the option you want to modify and press the **Select** soft key. You can choose one of the following:

- ◆ **Always:** Forwards all calls.
- ◆ **If busy:** Forwards calls received while you are on another call.
- ◆ **If no reply:** Forwards calls to which you do not respond.
- ◆ **If out of reach:** Forwards calls received when you are not in an area covered by your service provider, or while your phone is turned off.
- ◆ **Cancel all:** Cancels all Call forwarding settings and deactivates Call forwarding.

The current status of the option is displayed. If the option is activated, the number to which the calls are forwarded is also displayed.

7. In the **Forward to** edit box, enter the destination phone number or press the **Options** soft key to select a number from your Contacts. To enter an international code, press the  key until the + sign appears.
8. Press the **Options** soft key and select either **Activate** or **Deactivate** to enable or disable the feature.

If you activate the feature, the phone sends your settings to the network and the network's acknowledgement is displayed.
9. Repeat steps 6-8 for each Call Forwarding option you want to configure.

You can deactivate all call forwarding settings by selecting the **Cancel all** option.

Call barring

Call Barring allows you to restrict different types of calls from being made or received with your phone. For example, you can bar all voice calls to international phone numbers in the event that your phone is lost or stolen.

Contact your service provider for details on enabling this feature.

To configure call barring options:

1. In Idle mode, press the **Menu** soft key to access the menu.
2. Highlight **Settings** and press the **Select** soft key.
3. Highlight **Call settings** and press the **Select** soft key.
4. Highlight **Voice call** and press the **Select** soft key.
5. Highlight **Call barring** and press the **Select** soft key.

6. Scroll up or down to highlight the type of call you want to bar and press the **Select** soft key. You can choose from the following:
 - ◆ **All outgoing calls:** Bars this phone from making outgoing calls.
 - ◆ **Outgoing international calls:** Bars this phone from making calls to international numbers.
 - ◆ **International calls except home:** Bars this phone from making international calls with the exception of calls home.
 - ◆ **All incoming calls:** Blocks all incoming calls.
 - ◆ **Incoming when roaming:** Blocks all incoming calls when roaming.
 - ◆ **Cancel all:** Cancels all Call barring settings and deactivates Call barring.
7. The screen informs you whether call barring is activated or deactivated for the selected call type. Enter the Call Barring password to modify the setting.
8. Activate or deactivate the call barring feature as necessary by selecting either **Activate** or **Deactivate** from the **Options** soft key menu.
9. To return to the previous screen, press the **Back** soft key. You can repeat steps 6-8 to configure barring for other call types.

To deactivate all call barrings, select the **Cancel all** option on the Call Barring menu.

Changing the password for Call barring

The Call barring password is the same for voice, video and data calls.

To change the password:

1. In Idle mode, press the **Menu** soft key to access the menu.
2. Highlight **Settings** and press the **Select** soft key.

3. Highlight **Call settings** and press the **Select** soft key.
4. Highlight either **Voice call**, **Video call** or **Data call** and press the **Select** soft key.
5. Highlight **Call barring** and press the **Select** soft key.
6. Press the **Options** soft key, highlight **Change password** and press the **Select** soft key.
7. Type the current password into the **Old** edit box.
8. Type the new password into the **New** edit box and then again in the **Confirm** edit box.
9. Press the **Confirm** soft key.

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 the **Menu** soft key to access the menu.
2. Highlight **Settings** and press the **Select** soft key.
3. Highlight **Call settings** and press the **Select** soft key.
4. Highlight **Voice call** and press the **Select** soft key.
5. Highlight **Call waiting** and press the **Select** soft key.

The screen informs you whether call waiting is activated or deactivated.

6. You can activate or deactivate the call waiting feature as necessary by selecting either **Activate** or **Deactivate** from the **Options** soft key menu.

To return to the previous screen, press the **Back** soft key.

Auto redial

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

To enable or disable Auto redial:

1. In Idle mode, press the **Menu** soft key to access the menu.
2. Highlight **Settings** and press the **Select** soft key.
3. Highlight **Call settings** and press the **Select** soft key.
4. Highlight **Voice call** and press the **Select** soft key.
5. Highlight **Auto redial** and press the **Select** soft key.
6. Highlight **On** or **Off**, and press the **Save** soft key.

Video call

This menu (**Menu 9.5.3**) lets you configure the default setting for the following video call options:

- ◆ **Select my image:** Select a still image that you want to appear on the recipient's or caller's hand set during a video call. For more information, see "Select my image" on page 168.
- ◆ **Use call fail options:** Specify how the phone handles connection problems during video call initialization. For more information, see "Use call fail options" on page 169.
- ◆ **Call forwarding:** Reroute incoming video calls to another phone number. For more information, see "Call forwarding" on page 169.
- ◆ **Call barring:** Restrict different types of calls from being made or received with your phone. For more information, see "Call barring" on page 169.
- ◆ **Auto redial:** Configure your phone to automatically redial the last dialed number if the call connection is lost or if the call was unable to connect. For more information, see "Auto redial" on page 170.

Select my image

During a video call, you can opt to display a still image instead of a video. Select My Image lets you select the still image that you want to appear on the recipient's or caller's hand set during a video call. You can select an image that you have taken with the built-in camera, or an image file that you have downloaded. For information on changing the outgoing visual during a video call, see "Options During a Video Call" on page 35.

To set an image:

1. In Idle mode, press the **Menu** soft key to access the menu.
2. Highlight **Settings** and press the **Select** soft key.
3. Highlight **Call settings** and press the **Select** soft key.
4. Highlight **Video call** and press the **Select** soft key.
5. Highlight **Select my image** and press the **Select** soft key.
6. Press the **Options** soft key, highlight one of the following options and press the **Select** soft key:
 - ◆ **Get from Media**: Lets you access files stored on the phone.
 - ◆ **Get from camera**: Lets you take a picture.
 - ◆ **Use preset image**: Uses the default picture preset in the phone.
7. Do one of the following depending on your choice in the previous step:
 - ◆ If you chose **Get from Media**, scroll to the folder that contains the image you want to use and press the  key. Highlight the file and press the **Select** soft key. A preview is displayed. Press the **Options** soft key, highlight **Save** and press the **Select** soft key.

- ◆ If you chose **Get from camera**, take a picture by aiming the camera and pressing the  key. Press this key again to accept the picture and see a preview. Press the **Options** soft key, highlight **Add** and press the **Select** soft key.
-

Note: To take a picture of yourself, while in camera mode, press the **Options** soft key, highlight **Switch Camera** and press **Select**. The phone uses the camera on the inside of the flip lid. For more information on using the camera and camera options, see “Camera” on page 80.

- ◆ If you chose **Use preset image**, a preview is displayed. Press the **Back** soft key.

Use call fail options

Use call fail options lets you specify how the phone handles connection problems during video call initialization.

- ◆ If you enable this option by selecting **On**, you will be prompted to choose another connection method when a video call connection is not successful.
- ◆ You can disable this option by selecting **Off**.

Call forwarding

Call forwarding lets you reroute incoming video calls to a number you specify. For example, you can forward all incoming calls to your office land line while you are in the office, or forward the calls you do not answer to your home voice mail. For more information, see “Call forwarding” on page 163, beginning at step 6.

Call barring

Call barring allows you to restrict different types of calls from being made or received with your phone. For example, you can bar all calls to international phone numbers in the event that the phone is lost or stolen. For more information, see “Call barring” on page 164, beginning at step 6.

Auto redial

Auto redial lets you configure your phone to automatically redial the last dialed number if the call connection is lost or if the call was unable to connect. For more information, see “Auto redial” on page 167, beginning at step 6.

Data call

This menu (**Menu 9.5.4**) lets you configure the default settings for the following Data Call options:

- ◆ **Call forwarding:** Reroute incoming data calls to a different phone number. For more information, see “Call forwarding” on page 170.
- ◆ **Call barring:** Restrict different types of data calls from being made or received with your phone. For more information, see “Call barring” on page 170.
- ◆ **Call waiting:** Configure the phone to alert you to incoming data calls when you are on another call. For more information, see “Call waiting” on page 171.

Call forwarding

Call forwarding lets you reroute incoming data calls to a number you specify. For more information, see “Call forwarding” on page 163, beginning at step 6.

Call barring

Call barring allows you to restrict different types of calls from being made or received with your phone. For example, you can bar all calls to international phone numbers in the event that the phone is lost or stolen. For more information, see “Call barring” on page 164, beginning at step 6.

Call waiting

Call Waiting informs you when someone is trying to reach you with a data call while you are on another call. For more information, see “Call waiting” on page 166, beginning at step 6.

Connectivity

The Connectivity settings (**Menu 9.6**) allow you to manage the settings associated with the connection types available to your phone, including, Bluetooth, Network, and Wireless connectivity.

Bluetooth

Bluetooth (**Menu 9.6.1**) is a short-range wireless communications technology capable of exchanging information over a distance of about 30 feet without requiring a physical connection.

Unlike infrared, you don't need to line up the devices to beam information with Bluetooth. If the devices are within a range of one another, you can exchange information between them, even if they are located in different rooms.

The following Bluetooth options are available:

Activation

This option allows you to turn Bluetooth **On** or **Off**. Make a selection and press the **Select** soft key.

My devices

This option allows you to search for new Bluetooth devices. Highlight **Search new device** and press the **Select** soft key. The phone will search for available devices.

My phone's visibility

This option allows you to turn your visibility to **On** or **Off**. Make a selection and press the **Select** soft key. When the Bluetooth Visibility is turned on, your phone wirelessly transmits its phone name and status. This is useful if you are attempting to connect to additional Bluetooth devices. Allowing your phone to transmit its visibility can pose a security risk and facilitate unauthorized connection. This feature should be paired with a Bluetooth security option. For more information, see “Secure mode” on page 172.

My phone's name

This option displays the name given to your phone for Bluetooth purposes. You can edit the name if needed.

When your phone's Bluetooth visibility is turned on, it identifies itself using the name entered into this text field. You can alter this name by selecting the pre-existing text and entering a new text string in its place. This feature should be paired with a Bluetooth security option. For more information, see “Secure mode” on page 172.

To change the phone name:

1. Press and hold the  key to erase the previous name.
2. Use the phone's keypad to enter a new name.
3. Press the **Save** soft key to save the new name.

Secure mode

Secure mode provides the ability to monitor data stored on the handset. When the Bluetooth Visibility is turned on, your phone wirelessly transmits its phone name and status. This transmission can pose a security risk and incite unauthorized connection to your phone. When Secure Mode is set as On, however, whenever another person tries to access your phone's data, the phone will always

prompt you to allow or deny access. When Secure Mode is Off, other people can access your phone's data without permission.

This option allows you to set Security Mode to **On** or **Off**. Make a selection and press the **Select** soft key.

Bluetooth service

The Bluetooth specification is a protocol that describes how the short-range wireless technology works, whereas individual profiles describe the services supported by individual devices. Profiles reduce the chance that different devices will not work together.

The following Service profiles are available (**Menu 9.6.1.6**):

- ◆ **Headset:** The remote Bluetooth headset enables outgoing and incoming calls.
- ◆ **Handsfree:** The remote Bluetooth car kit enables outgoing and incoming calls.
- ◆ **Bluetooth stereo headset:** The remote Bluetooth stereo headset lets you listen to music.
- ◆ **Serial port:** The remote Bluetooth device acts as a virtual serial port.
- ◆ **Dial up:** The remote Bluetooth device enables Internet access through a phone modem.
- ◆ **Basic printing:** The phone is configured to use Bluetooth technology to enable basic printing of images, text and personal data. This is useful to print received text messages or contact information.
- ◆ **File transfer:** The remote Bluetooth device enables users to transfer files from their handset to other Bluetooth devices.
- ◆ **Object push:** The remote Bluetooth device enables the transfer of personal data (e.g. namecard, calendar, etc.) to other devices.

Searching for and pairing with a Bluetooth device

1. From the Bluetooth setting options, select **My devices**.

2. Highlight **Search new device** and press the **Select** soft key.

After searching, a list of devices to which you can connect is displayed. The color of the icon indicates the status of the device:

- ◆ **Grey** for unpaired devices
- ◆ **Blue** for paired devices
- ◆ **Red** for devices that are currently connected to your phone

3. Select a device.
4. Enter a Bluetooth PIN code and press the **OK** soft key. This code is used just once and you don't need to memorize it. The default PIN for your phone is 0000. When the owner of the other device enters the same code, pairing is finished.

Using device options

From the My devices list, select a device and press the **Options** soft key to access the following options after you are connected to a device:

- ◆ **Connect/Disconnect:** Connects or disconnects from the other device (Bluetooth headset only).
- ◆ **Browse device:** Search for data from the device and import data directly to your phone. You must authorize the device to successfully connect to it.
- ◆ **Service list:** Access the Bluetooth service list of the device.
- ◆ **Authorise/Unauthorise device:** determine if the phone asks you to permit connection when other devices try to connect to your phone.
- ◆ **Delete:** delete the selected device or all devices.
- ◆ **Rename:** rename the paired device.

Sending data via Bluetooth

1. Activate the Bluetooth feature. See “Activation” on page 171.
2. Select the application in which the item you want to send is stored. For example, you can send a video file stored in the Media Player application.
3. Scroll to the item you want to send and press the **Options** soft key.
4. Select **Send via** and select **Bluetooth**. The phone searches for devices within range and displays a list of available devices.
5. Select a device.
6. If necessary, enter the Bluetooth PIN code needed for pairing and press the **OK** soft key.

Receiving data via Bluetooth

To receive data via Bluetooth, your phone’s Bluetooth feature must be active. If an unauthorized Bluetooth device sends data to your phone, the phone displays a confirmation message. To receive data, press the **Yes** soft key.

Network selection

The Network selection feature (**Menu 9.6.2**) lets you configure the phone to automatically select the network used when roaming outside of your home area. You can also configure the phone to let you manually choose the network

Note: You can select a network other than your home network only if there is a valid roaming agreement between them.

To change your network selection:

1. In the Network selection menu, highlight either **Automatic** or **Manual** and press the **Select** soft key.
 - ◆ If you select **Automatic**, you are connected to the first available network when roaming.
 - ◆ If you select **Manual**, the phone scans for the available networks. Go to step 2.
2. Press the up or down navigation keys until the network you want is highlighted and then press the **Select** soft key.

You are connected to that network.

Connections

The Connections menu (**Menu 9.6.3**) let you customize the profiles (GoRogers, RogersMedia, RogersInternet, and Streaming) containing the settings for connecting your phone to the network. These settings are used for the Internet browser, Instant Messaging (IM) and sending multimedia messages.

Note: Your phone connects to the network by default. If you change the multimedia settings without first checking with your service provider, the Internet and multimedia features may not work properly.

Select the profile you want, press the **Options** soft key, and select an option:

- ◆ **Edit:** To review or change the current profile.
- ◆ **New:** To create an additional profile.
- ◆ **Rename:** To change the name of the profile.
- ◆ **Delete:** To remove a profile from the list.
- ◆ **Restore:** To return to default settings.

For each profile, the following options are available when you select **New** or **Edit** from the **Options** soft key menu:

- ◆ **Set name:** Enter a profile name. The default profiles are named GoRogers, RogersMedia, and RogersInternet.
- ◆ **Access name:** Edit the access point name. This is the gateway address required to access the Internet.
- ◆ **Auth type:** Select the type of authentication used for this WAP connection: **None**, **Normal**, or **Secure**.
- ◆ **User ID:** Enter the User ID required to connect to the network.
- ◆ **Password:** Enter the user password required to connect to the network.
- ◆ **Protocol:** Set the connection protocol used by the WAP browser: **WAP**, **HTTP**, or **Other**.
- ◆ **Home URL:** (WAP or HTTP only) Enter the URL address of the page to be used as your homepage.
- ◆ **Gateway address:** (WAP only) Enter the gateway address of the proxy server.
- ◆ **Proxy address:** (HTTP only) Set the proxy server address. If you do so, you must also specify the port. See next option setting.
- ◆ **Port:** (HTTP only) Enter the connection port.
- ◆ **Linger time:** Set a time period after which the network is disconnected if there has been no new data traffic in that time.
- ◆ **Advanced settings:** Allows you to configure some of the IP-specific information: Static IP, Static DNS, Server information, and Traffic Class.
 - ◆ **Static IP:** Specify if you want to manually enter an IP address. If you want the IP address to be automatically assigned by the server, remove the checkmark.
 - ◆ **Local phone IP:** Enter the IP address obtained from the network operator. This option is available only if you checked the Static IP option.
 - ◆ **Static DNS:** Specify if you want to manually enter the Domain Name Server (DNS) address. If you want the address to be automatically assigned by the server, remove the checkmark.
 - ◆ **Server 1/Server 2:** Enter the Domain Name Server (DNS) addresses.

- ◆ **Traffic class:** Select the traffic class: **Conversation**, **Streaming**, **Interactive**, **Background**, or **Subscribed**.

Application settings

Application settings (**Menu 9.7**) let you configure general settings for the default applications on your phone. You can configure the following:

- ◆ **Message settings:** See “Message settings” on page 178.
- ◆ **Browser settings:** See “Browser settings” on page 183.
- ◆ **Camera settings:** See “Camera settings” on page 183.
- ◆ **Camcorder settings:** See “Camcorder settings” on page 184.
- ◆ **Media player settings:** See “Media player settings” on page 185.
- ◆ **VOD settings:** See “VOD settings” on page 186.
- ◆ **Record audio settings:** See “Record audio settings” on page 186.
- ◆ **Calendar settings:** See “Calendar settings” on page 186.
- ◆ **Contact settings:** See “Contact settings” on page 186.

Message settings

Messaging settings (**Menu 9.7.1**) 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.
 - ◆ **Common settings:** Lets you set the following parameters:
 - **Network selection:** Select either the **Circuit switch** or **Packet switch** domain.
 - **Character support:** Select **GSM alphabet**, **Unicode**, or **Automatic**, which selects the appropriate option for you.
 - **Reply path:** Allows the recipient of your message to send you a reply message using your message center, if your network supports this service.

- Delivery report:** Provides a deliver report after sending a message.
- Keep a copy:** Keeps a copy of the messages you send. Copies are stored in the Sent folder.
- ◆**Text message center settings:** Lets you set the default method of text message transmission used by the Text Message Center. Press the **Options** soft key to **Edit** the following parameters. When you are done, press the **Options** soft key to **Save**:
 - Center address:** Specifies the phone number of the Text Message Center.
 - 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.
 - Default type:** Specifies the default format of text (SMS) messages
 - Name:** Specifies the name of the parameter profile. You can also rename profiles by selecting **Rename** from the **Options** soft key menu when viewing the list of profiles.
- ◆**Multimedia message:** Lets you configure the delivery parameters used when sending a multimedia (MMS) message.
 - ◆**Sending options:**
 - Priority:** Specify a priority level for your messages.
 - Expiration:** Select the length of time you wish the message to remain on the MMS server.
 - Delivery:** Set a time delay before the phone sends your messages.
 - Message size:** Specify the maximum allowable size of received messages. Larger messages will not be accepted.
 - Hide address:** Hides address information that is normally sent along with a message.
 - Request delivery report:** When this option is enabled, the network informs you whether or not your message has been delivered.

- Request read report:** When this option is enabled, your phone sends a request for a reply along with your message to the recipient.
- Keep a copy:** Specify whether you want to keep a copy of the sent messages on your phone.
- Add my name card:** Specify whether you want to send your contact information along with your messages.
- ◆ **Receiving options:**
 - Home network:** Lets you specify how messages are retrieved from the home network.
 - Roaming network:** Lets you specify how messages are retrieved while roaming.
 - Send delivery report:** Automatically sends notification to the network indicating whether or not the message was successfully delivered.
 - Send read report:** Automatically sends notification to the recipient indicating that you received the message.
 - Reject anonymous:** Automatically rejects messages belonging to the Anonymous category.
 - Reject advertisement:** Automatically rejects messages belonging to the Advertisement category.
- ◆ **Multimedia message profiles:** Lets you select a connection profile to be used when connecting to message server. For information, see “Application settings” on page 178.
- ◆ **Auto resize image:** Specify how you want the phone to handle the resizing of large images within messages.
- ◆ **Creation mode:** Specify how new media content is sent: **Restricted, Warning, Free.**
- ◆ **Default style:** Specify the Font color, Font style, Background color and page duration (for embedded media) settings for incoming messages.

◆ Email:

◆ Sending options:

- **From:** Enter the name you want to appear in the From field of the messages you send.
- **Sending account:** Lets you specify the email account you want to use by default. For more information on email accounts, see “Before you begin” on page 114.
- **Priority:** Specify a priority level for your messages.
- **Keep a copy:** Specify whether you want to keep a copy of sent messages on your phone.
- **Include body when replying:** Specify whether you want the body of received messages to be included in your replies to the sender.
- **Request read report:** When this option is enabled, your phone sends a request for a reply along with your message to the recipient.
- **Request delivery report:** When this option is enabled, the network informs you whether or not your message has been delivered.
- **Add my name card:** Attaches your name card to the messages you send. You must create a name card before you can enable this option.
- **Add signature:** Adds a digital signature to sent messages when enabled.
- **Input signature:** If you enabled the previous option, you can specify the signature you want to add.

◆ Receiving options:

- **Set download limit:** Specify the maximum allowable message size.
- **Auto polling:** Specify whether you want to automatically check for new e-mail.

- **Polling frequency:** If you enable Auto polling, you can set the frequency.
- **Send read report:** Automatically sends notification to the recipient indicating that you received the message.
- **Block address:** Lets you enable the blocking of e-mails from addresses you specify.
- **Block subject:** Lets you enable the blocking of e-mails with subjects you specify.
- ◆ **Email profiles:** Lets you select a connection profile to be used when connecting to the email server. For information, see “Application settings” on page 178.
- ◆ **Email accounts:** Lets you configure and enable email accounts. Select **Edit** from the **Options** soft key menu to modify account settings. For more information, see “Before you begin” on page 114.
- ◆ **Broadcast:** Broadcast messages are transmitted to all handsets within the area. The following options are available:
 - ◆ **Activation:** Enables or disables the broadcast feature.
 - ◆ **Receiving channels:** Lets you specify the channels from which the phone will accept broadcast messages.
 - ◆ **My channels:** Lets you enable or disable your channels. You can create new channels by selecting **Create** on the **Options** soft key menu. This option is not available if you selected All Channels in the previous option.
 - ◆ **Language:** Specify broadcast message languages you want to accept.
- ◆ **Voice/Video mail:** Specifies the phone number of the voice or video mail server that stores messages.
- ◆ **Push message:** WAP (Wireless Application Protocol) Push messages are text messages (SMS) that display a prompt on your phone. You have the option of connecting to a web site using the WAP browser, so you do not have to enter the web address.
 - ◆ **Receiving option:** Enable or disable push message reception.
 - ◆ **Service loading:** Specify how you want the phone to handle the loading of this service.

Browser settings

Browser settings (**Menu 9.7.2**) lets you select a connection profile to be used when connecting to the Internet. For more information, see “Application settings” on page 178.

Camera settings

Camera settings (**Menu 9.7.3**) let you set the default preferences for camera functionality.



Scroll left and right to change the setting category:

1. Size
2. Quality
3. Display
4. Scene Program
5. Shutter sound
6. Multi-shot speed
7. White balance
8. Default storage
9. Default name

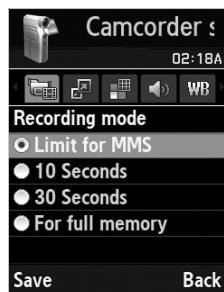
Scroll left and right to view the settings within each option tab. You can customize settings in the following option tab:

1. **Size** tab: Lets you set the image size.
2. **Quality** tab: Lets you set picture quality. Better quality photos require more file space.
3. **Display** tab: Lets you configure the camera viewfinder. Specify how the camera displays the subject of a photograph on the screen.

4. **Scene program** tab: Lets you select from two preset setting profiles depending on the type of picture you are taking and the light conditions.
5. **Shutter sound** tab: Lets you specify a shutter sound that indicates the picture has been taken. The sounds are previewed as you scroll through the options.
6. **Multi-shot speed** tab: Lets you set the amount of time between each photo taken using a multi shot session.
7. **White balance** tab: Lets you set the white balance for the camera based on light conditions.
8. **Default storage** tab: Lets you set the default storage location for the photos taken with the phone.
9. **Default name** tab: Lets you set a default name prefix for the photos taken with the phone.

Camcorder settings

Camcorder settings (**Menu 9.7.4**) let you set the default preferences for camcorder functionality.



Scroll left and right to change the setting category:

1. Recording mode
2. Size
3. Quality
4. Audio recording
5. White balance
6. Default storage
7. Default name

Scroll left and right to view the settings within each option tab. You can customize settings in the following option tabs:

1. **Recording mode** tab: Lets you set a length (file size) limit for video recordings.
2. **Size** tab: Lets you set the image size.
3. **Quality** tab: Lets you set the video quality. Better quality videos require more file space.
4. **Audio recording** tab: Lets you turn audio recording **On** or **Off**.
5. **White balance** tab: Lets you set the white balance for the camcorder based on light conditions.
6. **Default storage** tab: Lets you set the default storage location for the videos taken with the phone.
7. **Default name** tab: Lets you set a default name prefix for the videos taken with the phone.

Media player settings

Media player settings (**Menu 9.7.5**) let you set the default playback options for the media player:

- ◆ **Repeat**: Lets you enable the repeating of a selected media file (**Repeat 1**) or of all media files within a playlist (**Repeat All**). To disable, select **Off**.
- ◆ **Shuffle**: Lets you enable or disable the playing of media files in random order.
- ◆ **Visualization type**: Lets you select the visualization that is displayed on the screen when song files are played.
- ◆ **Volume**: Lets you set the default volume level from 0 to 14.
- ◆ **Show controller**: Lets you show or hide onscreen playback controls.

VOD settings

VOD settings (**Menu 9.7.6**) let you select a connection profile to be used when connecting to online video content. You can choose GoRogers, RogersMedia, RogersInternet, or streaming.

Record audio settings

Record Audio settings (**Menu 9.7.7**) let you specify the following audio recording settings:

- ◆ **Default name:** Lets you set a default name prefix for the audio recording made with the phone.
- ◆ **Recording time:** Lets you specify the maximum allowable length of an audio recording made with the phone.

Calendar settings

Calendar settings (**Menu 9.7.8**) let you set the default settings for the weekly start day (Sunday or Monday) and the default view mode (month, week or day).

Contact settings

Contact settings (**Menu 9.7.9**) let you set the defaults for the saving and viewing of contact information including your own. You can also set up speed dialing.

- ◆ **Speed dial:** Lets you assign phone numbers from your Contact list or from your FDN Contacts to speed dial numbers on the keypad. For more information on speed dial, see “Speed dial” on page 100.
- ◆ **Save new contacts to:** Lets you specify the default save location for contact information.
- ◆ **View contacts from:** Lets you specify which contact list you view by default.
- ◆ **Own number:** Lets you view and manage personal phone numbers including the cell phone number, which is entered by default under **TELEPHONE**.

Security

The Security menu (**Menu 9.8**) enables you to restrict the use of your phone to others and the types of calls. Various codes and passwords are used to protect the features of your phone. They are described in the following sections.

Phone lock

When the Phone Lock feature (**Menu 9.8.1**) is enabled, the phone is locked and you must enter a 4-8 digit phone password each time the phone is switched on.

To change the phone password, see the **Change phone password** menu (**Menu 9.8.6**) below.

After you enter the correct password, you can use the phone until you switch it off.

The following options are available:

- ◆ **On**: you are required to enter the phone password when you switch the phone on.
- ◆ **Off**: you are not asked to enter the phone password when you switch the phone on.

SIM lock

When the SIM lock feature (**Menu 9.8.2**) is enabled, your phone works only with the current SIM card.

- ◆ To enable the SIM lock, open **Menu 9.8.2**, highlight **On** and press the **Save** soft key. You must enter the current SIM lock code. Once you have entered the SIM lock code, you must confirm by entering it again.
- ◆ To unlock your SIM card, open **Menu 9.8.2**, highlight **Off** and press the **Save** soft key. You must re-enter the SIM lock code.

PIN check

When the PIN check feature (**Menu 9.8.3**) is enabled, you must enter your PIN each time you switch the phone on. Consequently, any person who does not have your PIN cannot use your phone without your approval.

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

The following options are available:

- ◆ **On:** you must enter the PIN each time the phone is switched on.
- ◆ **Off:** the phone connects directly to the network when you switch it on.

Lock applications

Using this menu (**Menu 9.8.4**), your phone's menus become password-protected, although you can make calls normally. Contacts, downloaded content, phone settings and stored messages can all be protected.

To enable phone privacy:

1. Highlight a category, and press  to check/uncheck the category. Checkmarks indicate the applications you want to lock.
2. When you are finished, press the **Save** soft key to change your privacy settings.

Once you have enabled privacy, you must enter the phone password to access the menus. When the phone asks for the phone password, enter the password and press the **Confirm** soft key.

FDN mode

FDN (Fixed Dial Number) mode (**Menu 9.8.5**), if supported by your SIM card, allows you to restrict your outgoing calls to a limited set of phone numbers.

The following options are available:

- ◆ **Off**: you can call any number.
 - ◆ **On**: you can only call phone numbers stored in the FDN Contacts. The FDN Contacts list is a separate Contacts list and is managed separately from the normal Contacts list. You must enter your PIN2.
-

Note: Not all SIM cards have a PIN2. If your SIM card does not, this menu does not display. Furthermore, PIN2 is specific to a SIM card and you will need to ask the issuer of the SIM card for the PIN2 code.

Change phone password

The Change password feature (**Menu 9.8.6**) allows you to change your current phone password to a new one. You must enter the current password before you can specify a new one.

Once you have entered a new password, you are asked to confirm it by entering it again.

Change PIN code

This feature (**Menu 9.8.7**) allows you to change your current PIN to a new one, provided that the PIN Check feature is enabled. You must enter the current PIN before you can specify a new one. Once you have entered a new PIN, you are asked to confirm it by entering it again.

Change PIN2 code

The Change PIN2 feature (**Menu 9.8.8**) allows you to change your current PIN2 to a new one. You must enter the current PIN2 before you can specify a new one. Once you have entered a new PIN2, you are asked to confirm it by entering it again.

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

Mobile tracker

Mobile tracker (**Menu 9.8.9**) lets you secure your information. You can enable and configure Mobile Tracker to send an alert by text message to a recipient (phone number) specified by you whenever the SIM card is replaced in your phone, thereby ensuring that you know who is using your phone at all times.

To enable and configure Mobile Tracking:

1. From the Idle screen, go to **Menu 9.8.9**.
2. Enter your password and press the **Confirm** soft key. If this is the first time you have accessed this feature, you must confirm the password again.
3. Configure the following options:
 - ◆ **Activation:** Select **On** to enable the feature.
 - ◆ **Recipients:** Enter the phone number(s) to which you want alert messages sent. Note that confidential information may be passed to the specified number(s).
 - ◆ **Sender:** Enter the name you want to appear on the alert.
 - ◆ **Message:** Enter the message you want to be sent with the alert.

4. Press the **Save** soft key.
5. Read the Warning message and **Accept** or **Reject** the conditions using the soft keys.

Reset settings

Using Reset settings (**Menu 9.9**), you can easily reset your phone to its default settings. To reset your phone:

1. Select one or more of the following reset options:
 - ◆ **All:** Resets all configuration options listed in this menu to their default values.
 - ◆ **Phone settings:** Resets only phone options to their default values. For more information on Phone settings, see “Phone settings” on page 158.
 - ◆ **Display settings:** Resets only display options to their default values. For more information on Display settings, see “Display settings” on page 147.
 - ◆ **Profiles:** Resets only Profile options to their default values. For more information on Profiles, see “Profiles” on page 142.
 - ◆ **Alarms:** Clears alarm settings.
2. Press the **OK** soft key.
3. Enter the 4-8 digit phone password and press the **Confirm** soft key.
4. When you are prompted for confirmation, press the **Yes** or **No** soft key.

Memory settings

Memory settings (**Menu 9.10**) let you view memory status for your phone and clear the memory if necessary.

Clear memory (Menu 9.10.1) options:

- ◆ **All**: Clears saved files from all categories listed in this menu.
- ◆ **Media**: Clears saved files from the My Files location.
- ◆ **Messages**: Clears files from the default message locations.
- ◆ **Contacts**: Clears saved contact entries.
- ◆ **Calendar**: Clears saved calendar input.
- ◆ **Tasks**: Clears saved task information.
- ◆ **Notes**: Clears saved notes.

Using the  key, place checkmarks next to the items you want to clear, then press the **OK** soft key. When prompted, enter your password, and press the **Confirm** soft key. When prompted, press the **Yes** soft key to clear the specified memory, or select **No**, to cancel.

To view memory status, highlight **Memory status (Menu 9.10.2)** and press the **Select** soft key. Select the memory location for which you want to view status and press the **Select** soft key. Press the **Back** soft key to return to the previous menu.

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, the following messages may appear:

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 **PIN check** menu (**Menu 9.8.3**).

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. There is a PUK1 and a PUK2 code. Please make sure you know which one 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). Move 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 164 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 164 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 “**Warning** 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 an Contact list entry

- ◆ Check that the number has been stored correctly, by using the Contact list Search feature.
- ◆ Re-store the number, 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

*. 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.

general, the closer you are to a wireless base station antenna, the lower the power output of the phone.

Before a new model phone is available for sale to the public, it must be tested and certified 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 handset a minimum from the body.

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

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

- ◆ Federal Communications Commission (FCC)
 - <http://www.fcc.gov>
- ◆ Cellular Telecommunications Industry Association (CTIA):
 - <http://www.wow-com.com>

- ◆ U.S. Food and Drug Administration (FDA)
 - <http://www.fda.gov/cdrh/consumer>
- ◆ World Health Organization (WHO)
 - <http://www.who.int/peh-emf/en>

Precautions When Using Batteries

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

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 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

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 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

^{**}. 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.

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:

GSM 850

- Head: 0.142 W/Kg.
- Body-worn: 0.626 W/Kg.

GSM 1900

- Head: 0.175 W/Kg.
- Body-worn: 0.316 W/Kg.

WCDMA 850

- Head: 0.143 W/Kg
- Body-worn: 0.367 W/Kg

WCDMA 1900

- Head: 0.230 W/Kg
- Body-worn: 0.340 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 (A706) is on file with the FCC and can be found under the Display Grant section of [http:// www.fcc.gov/oet/fccid](http://www.fcc.gov/oet/fccid).

UL Certified Travel Adaptor

The Travel Adaptor for this phone has met UL 1310 safety requirements. Please adhere to the following safety instructions per UL guidelines.

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS. DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS. FOR CONNECTION TO A SUPPLY NOT IN THE U.S.A., USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET.

THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTATED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION

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.wow-com.com/consumer/issues/driving/articles.cfm?ID=85>

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/emfpg.html>

World health Organization (WHO):

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

International Commission on Non-Ionizing Radiation Protection:
<http://www.icnirp.de>
National Radiation Protection Board (UK):
<http://www.nrpb.org.uk>

Updated 4/3/2002: US Food and Drug Administration <http://www.fda.gov/cellphones>

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.

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