SGH-p207 Series

P O R T A B L E T r i / D u a l - M o d e
T E L E P H O N E

User Guide

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

XA17.06_LMaxxx_010104_D1

Intellectual Property

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

Samsung Telecommunications America, L.P.

U. S. Headquarters:
1301 East Lookout Drive
Richardson, TX 75082
Tel: 972.761.7000
Fax: 972.761.7001

Customer Care Center:
1601 E. Plano Parkway, Suite 150
Plano, TX 75074
Toll Free Tel: 1.888.987.HELP (4357)
Fax: 972.801.6065

Internet Address: http://www.samsungusa.com

©2004 Samsung Telecommunications America, Inc. is a registered trademark of Samsung Electronics America, Inc. and its related entities.

Licensed by Qualcomm Incorporated under one or more of the following patents: U.S. Patent No. 4, 901, 307; 5, 056, 109; 5, 099, 204; 5,101, 501; 5, 103, 459; 5, 107, 225; 5, 109, 390.

Printed in South Korea
GH68-xxxxxA

Openwave® is a registered Trademark of Openwave, Inc.
RSA® is a registered TrademarSk RSA Security, Inc.

Disclaimer of Warranties; Exclusion of Liability

EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED ON THE WARRANTY PAGE ENCLOSED WITH THE PRODUCT, THE PURCHASER TAKES THE PRODUCT "AS IS", AND SAMSUNG MAKES NO EXPRESS OR IMPLIED WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT, INCLUDING BUT NOT LIMITED TO THE MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR ANY PARTICULAR PURPOSE OR USE; THE DESIGN, CONDITION OR QUALITY OF THE PRODUCT; THE PERFORMANCE OF THE PRODUCT; THE WORKMANSHIP OF THE PRODUCT OR THE COMPONENTS CONTAINED THEREIN; OR COMPLIANCE OF THE PRODUCT WITH THE REQUIREMENTS OF ANY LAW, RULE, SPECIFICATION OR CONTRACT PERTAINING THERETO. NOTHING CONTAINED IN THE INSTRUCTION MANUAL SHALL BE CONSTRUED TO CREATE AN EXPRESS OR IMPLIED WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT. IN ADDITION, SAMSUNG SHALL NOT BE LIABLE FOR ANY DAMAGES OF ANY KIND RESULTING FROM THE PURCHASE OR USE OF THE PRODUCT OR ARISING FROM THE BREACH OF THE EXPRESS WARRANTY, INCLUDING INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, OR LOSS OF ANTICIPATED PROFITS OR BENEFITS.

Table of Contents

Important Safety Precautions 8

Section 1: Your Phone 10

Unpacking 11
Illustration of Your Phone 12
Command Keys 14
Display Screen 16
Backlight 18
External Display 19
Camera 19

Section 2: Getting Started 20

Installing the SIM card 21
Charging the Battery 24
Turning Your Phone on or off 26
Selecting Functions and Options 27

Section 3: Call Functions 30

Making a Call 31
Answering a Call 33
Adjusting the Volume 34
Viewing Missed Calls 34
Using the Call Log 36
Switching to Silent Mode 41
Options During a Call 41

Section 4: Menu Navigation 48

Menu Navigation 49
Menu Outline 51

Section 5: Entering Text 56

Changing the Text Input Mode 57
Using Alphabet Mode 58
Entering Numbers 59
Entering Symbols 59
Using T9 Mode 60

Section 6: Address Book 62
Adding a New Address Book Entry 63
Dialing a Number from Address Book 66
Speed Dialing 67
Finding an Entry in Address Book 69
Editing a Caller Group 73
Checking the Memory Status 74
Deleting Address Book Entries 74

Section 7: Messaging 76
Types of Messages 77
Message Alerts 78
Creating and Sending New Messages 78
Retrieving New Messages 87
Viewing Messages 88
Checking Voice Mails 96
Using Instant Messenger 97
Changing Message Settings 101
Checking Memory Status 108
Deleting Messages 109

Section 8: Settings 110
Changing Sound Settings 111
Changing Display Settings 115
Changing Phone Settings 118
Changing Connection Settings 121
Changing the Time and Date 123
Changing Network Service Settings 126
Changing Security Settings 135
Resetting Settings 138

Section 9: Multimedia 140
Using the Camera 141
Using the Recorder 153
Playing Java Games 157

Section 10: WAP 162
Launching the WAP Browser 163
Accessing a WAP site 163
Navigating the WAP Browser 164

Using Favorites 166
Downloading Media Content 168
Clearing the Cache 170
Changing the Profile for Accessing the WAP 171

Section 11: Personal Assistant 172

Using the Calendar 173
Using the To Do List 177
Setting Alarms 180
Using the Calculator 183
Using the Currency Convertor 184
Synchronizing PIM Data 185
Managing Your Phone 188

Section 12: Additional Information 190

Accessories 191
Access Codes 193

Section 13: Health and Safety Information 198

Exposure to Radio Frequency (RF) Signals 199
For Body Operation 201
Precautions When Using Batteries 202
Road Safety 203
Operating Environment 205
Electronic Devices 206
Potentially Explosive Environments 208
Emergency Calls 209
Other Important Safety Information 210
Care and Maintenance 211
Acknowledging Special Precautions and the FCC and Industry Canada Notice 212
Appendix A: CERTIFICATION INFORMATION (SAR) 214
Appendix B: Guide to Safe and Responsible Wireless Phone Use . 216
Appendix C: Consumer Update on Wireless Phones 220
STANDARD LIMITED WARRANTY 230

Important Safety Precautions

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 Near All Medical Equipment

Switch off your phone near medical equipment. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy. Follow any regulations or rules in force.

Interference

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

Special Regulations

Meet any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger (in a hospital for example).

Water Resistance

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

Sensible Use

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

Emergency Call

Key in the emergency number for your present location, then press the key. Give all necessary information as accurately as possible. Do not end the call until given permission to do so.

Keeping Small Children Away From Your Phone

Keep the phone and all its parts including accessories out of the reach of small children.

Accessories and Batteries

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

Use only Smsung-approved batteries and recharge your battery only with Samsung-approved chargers.

Qualified Service

Only qualified service personnel may repair your phone.

For more detailed safety information, see “Health and Safety Information” on page 198.

CAUTION

RISK OF EXPLOSION IF A BATTERY IS REPLACED
BY AN INCORRECT TYPE.
DISPOSE USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

Section 1: Your Phone

Topics Covered

- Unpacking
- Illustration of Your Phone
- Command Keys
- Display Screen
- Backlight
- External Display
- Camera

This section outlines some key features of your phone. It also contains illustrations of the screen and the icons that are displayed when the phone is in use.

Unpacking

Your package contains the following items:

Handset

Travel Adapter

Battery

User's Manual

Your local Samsung dealer can provide you with additional accessories including:

- Standard battery
- Simple hands-free car kit
- Cigarette lighter adapter
- Travel adapter
- Hand strap
- PC data link kit
- Ear microphone

Illustration of Your Phone

Open

Closed

Camera
Antenna
Headset jack
Volume/Menu browse keys
Camera key
External display
Service light
SAMSUNG
cingular

Command Keys

(soft keys)

Performs the functions indicated by the screen text on the bottom line of the display.

In Idle mode, allows you to access your favorite menu options directly. For further details about short cuts, see page 119.

When a menu is selected, the Up and Down keys scroll through the menu options. The Left key returns you to the previous menu level and the Right key selects the highlighted menu option.

When entering text, moves the cursor.

In Idle mode, launches the WAP (Wireless Application Protocol) browser.

In Menu mode, selects the highlighted menu option or confirms your input.

In Idle mode, turns on the camera.

In Capture mode, takes a photo.

Makes or answers a call.

In Idle mode, when held down, recalls the last number dialed, received, or missed.

In Menu mode, selects a menu option or stores information that you have entered.

Ends a call. Also switches the phone on and off when held down.

In Menu mode, cancels your input and returns the phone to Idle mode.

Deletes characters from the display.

In Menu mode, returns you to the previous menu level.

In Idle mode, accesses your voice mail when held down.

Enters numbers, letters, and some special characters.

Enters special characters.
Performs various functions.

(on the right side of the phone)
In Idle mode, turns the camera on when held down.

In Camera mode, takes a photo or records a video.

(on the left side of the phone)
Adjusts the ringer volume when the phone is ringing and the earpiece volume during a call.

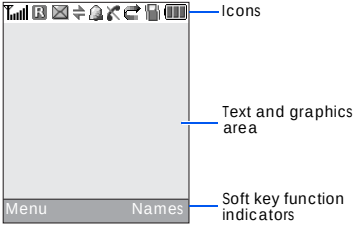
In Idle mode, adjusts the keypad tone volume.

In Menu mode, scrolls through menu options.

Display Screen

Layout

The display has 3 areas:



Icons

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

Appears when you are out of your home area and have logged onto a different network; for example, when traveling in other countries.

Appears when you are connected to the GPRS network.

Appears when a new text message has been received.

Appears when a new voice mail has been received.

Appears when a new multimedia message has been received.

Appears when both a new text message and a new multimedia message have been received.

Appears when a new e-mail has been received.

Appears when a multimedia message is being sent.

Appears when you set an alarm to ring at a specified time. For further details, see page 180.

Appears when you are out of your service area. When it displays, you cannot make or receive calls.

Appears when a call is in progress.

Appears when you are connected to a WAP service.

Appears when the call forwarding feature is active. For further details, see page 126.

Appears when you are in the Home Zone, if you have subscribed to the appropriate service.

Appears when you are in the City Zone if you have subscribed to the appropriate service.

Appears when Silent mode is active or you set the phone to vibrate when you receive a call. For further details, see page 41 and page 112 respectively.

Appears when Mute mode is active. For further details, see page 43.

Appears when synchronization with a PC is in progress.

Appears when synchronization with the remote server is in progress.

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

Backlight

The backlight illuminates the display and the keypad. When you press any key or open the phone, the backlight comes on. It goes off when no keys have been pressed within a given period of time, depending on the setting in the **Back Light** menu. For further details, see page 117.

External Display

Your phone has an external display on the front of the phone. It indicates when you have an incoming call or a message. It also alerts you at a specified time when you have set an alarm. The backlight turns on and the corresponding icon appears on the external display.

You can change the display type and the backlight time for the external display in the **Front LCD Display** menu. For further details, see page 116.

With the phone closed, you can take a photo using the external display by pressing and holding the 📷 key on the right side of the phone. See page 145.

Camera

The embedded camera module on the front of your phone allows you to take a photo and record a video while on the move.

For further details about the camera feature, see page 141.

Section 2: Getting Started

Topics Covered

- Installing the SIM card
- Charging the Battery
- Turning Your Phone on or off
- Selecting Functions and Options

This section outlines how to get your phone ready to work. You can get information on installing the SIM card and battery, switching on the phone, and basic information on selecting options and functions available on your phone.

Installing the SIM card

When you subscribe to a cellular network, you are provided with a plug-in SIM card loaded with your subscription details, such as your PIN, any optional services available, and so on.

Important!

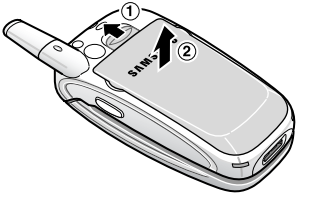
- The plug-in SIM card and its contacts can be easily damaged by scratches or bending, so be careful when handling, inserting, or removing the card.
- Keep all SIM cards out of reach of small children.

To install the SIM card:

1. If necessary, switch off the phone by holding down the key until the power-off image displays.
2. Remove the battery. To do so:

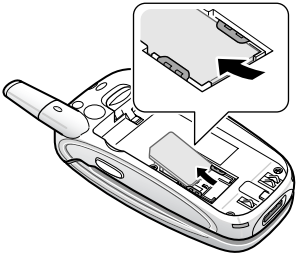
   ① Slide the battery lock toward the top of the phone and hold it in that position.

   ② Lift the battery away, as shown.

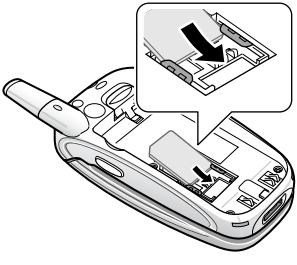


3. Slide the SIM card into the SIM card socket, as shown, so that the card locks into position.

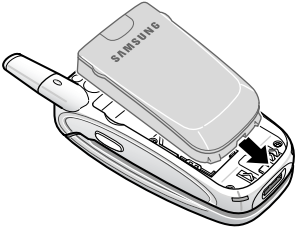
   Make sure the gold-colored contacts of the card face down into the phone.



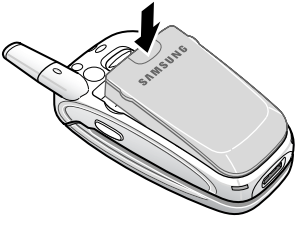
Note: When you need to remove the SIM card, slide it upwards, as shown, and take it out of the socket.



4. Replace the battery so that the tabs on the end align with the slots at the bottom of the phone.



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



Charging the Battery

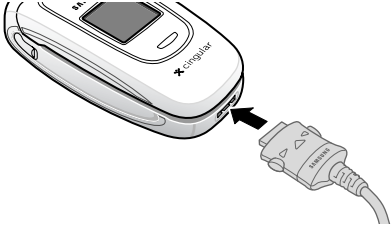
Your phone is powered by a rechargeable Li-ion battery. A travel charger comes with your phone for charging the battery. Use only approved batteries and chargers. Ask your local Samsung dealer for further details.

The travel charger allows you to use the phone while the battery is charging, but this causes the phone to charge more slowly.

Note: You must fully charge the battery before using your phone for the first time. A discharged battery recharges fully in approximately 200 minutes.

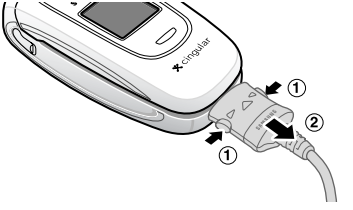
To charge the battery:

1. With the battery in position on the phone, plug the connector of the travel charger into the jack at the bottom of the phone.



2. Plug the charger into a standard AC wall outlet.

3. When charging is finished, unplug the charger from the power outlet and disconnect it from the phone by pressing the buttons on both sides of the connector and pulling the connector out.



Note: You must unplug the charger 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 a message repeats at regular intervals on the display. In this case, your phone will turn off the backlight to conserve the remaining battery power.

When the battery level becomes too low, the phone automatically turns off.

Turning Your Phone on or off

Turning on Your Phone

1. Open the phone.
2. Press and hold the key until the power-on image displays.
3. If the phone asks you to enter a password, enter it and press the **OK** soft key or the key. The password is preset to “00000000” at the factory. For further details, see page 193.
4. If the phone asks for a PIN, enter the PIN and press the **OK** soft key or the key. For further details, see page 194.

   Once the phone is on, it searches for a network signal. After locating a signal, the phone enters Idle mode. Now, you can make and receive calls.

Note: To change the display language, use the **Language** menu. For further details, see page 118.

Turning off Your Phone

When you wish to switch off the phone, press and hold the key until the power-off image displays.

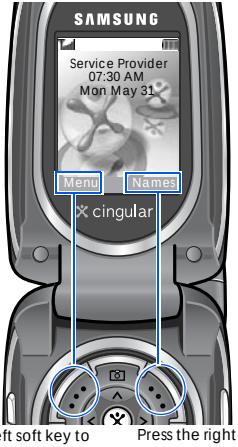
Selecting Functions and Options

Your phone offers a set of functions that allow you to use and customize it. These functions are arranged in menus and sub-menus, accessed using the two soft keys, and . Each menu and sub-menu allows you to view and alter the settings of a particular function.

Using the Soft Keys

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.

Example:



Press the left soft key to access Menu mode.

Press the right soft key to access the **Address Book** menu.

Selecting Options

To view the various functions and options available and to select the one you want:

1. Press the appropriate soft key.
2.

To	Press the
select the: • function displayed • option highlighted	**Select** soft key, Right key, key, or key.
scroll through menus or options	Navigation keys or the Volume keys on the left side of the phone.
move back up one level in the menu structure	soft key, Left key, or **C** key.
exit the menu structure without changing the settings	key.

Note: When you access a list of options, your phone highlights the currently active 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.

Section 3: Call Functions

Topics Covered

- Making a Call
- Answering a Call
- Adjusting the Volume
- Viewing Missed Calls
- Using the Call Log
- Switching to Silent Mode
- Options During a Call

This section outlines how to use your phone's general call functions, such as making and answering calls and using a variety of options during a call.

Making a Call

1. When the idle screen displays, enter the area code and phone number.
2. Press the key to dial the number.

Note: When you have activated the **Auto Redial** option in the **Extra Settings** menu, the phone will automatically redial up to 10 times if the person does not answer the call or is already on the phone. For further details, see page 120.

Correcting the Number

To clear	Press the
the last digit displayed	**C** key.
any other digit in the number	Left or Right key until the cursor is immediately to the right of the digit to be cleared and press the **C** key. You can also insert a missing digit in the same way.
the whole display	**C** key and hold it for more than one second.

Ending a Call

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

Making an International Call

1. Press and hold the **0** key. The + character appears.
2. Enter the country code, area code, and phone number, and press the key to dial the number.

Redialing the Last Number

The phone stores the numbers of the calls you've dialed, received, or missed, if the call recipient or caller is identified. For further details about the call log, see page 36.

In Idle mode, press and hold the key to redial the number of the last call.

Making a Call from Address Book

You can store phone numbers that you use regularly on the SIM card or in the phone's memory. These entries are collectively called Address Book.

Once you have stored a number in Address Book, you can dial it by pressing a few keys. You can also assign your most frequently-used numbers to number keys using the speed dial feature.

For further details about the Address Book feature, see page 62.

Answering a Call

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

The caller's phone number or name, if stored in Address Book, displays.

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

   When the **Anykey Answer** option in the **Extra Settings** menu is activated, you can press any key to answer a call except for the key and the **Reject** soft key. See page 119.

   When the **Active Folder** option in the **Extra Settings** menu is activated, you can simply open the phone to answer a call.

Note: To reject the call, press and hold the Volume keys before opening the phone, or press the **Reject** soft key or the key.

---

3. End the call by pressing the key or closing the phone.

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

Adjusting the Volume

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

Press the ▲ key to increase the volume level and the ▼ key to decrease the level.

In Idle mode, you can also adjust the keypad tone volume using these keys.

Viewing Missed Calls

When you are unable to answer a call for any reason, you can find out who called you.

The number of calls you've missed displays on the idle screen immediately after a call is missed.

To view a missed call immediately:

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

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

3.

To	Press the
scroll through the missed calls	Up or Down key.
call the number displayed	key.
edit or delete a missed call number	**Select** soft key or the key. See the following sections.

Editing a Missed Call Number

Note: When the number for the missed call is not available, the **Edit** option does not display.

1. From the missed call view, press the **Options** soft key or the ⁂ key.
2. Select **Edit**.
3. Change the number.
4.

To	Press the
call the number	key.
store the number	**Save** soft key or the ⁂ key and enter a name and location. For further details, see page 63.

Deleting a Missed Call

1. From the missed call view, press the **Options** soft key or the ⁂ key.
2. Select **Delete**.

You can press the key at any time to exit the missed call feature.

Note: You can access the missed call feature at any time by selecting the **Missed Calls** menu. For further details, see page 36.

Using the Call Log

The phone stores the numbers of the calls you've dialed, received, or missed, if the call recipient or caller is identified. You can access these numbers from Idle mode or Menu mode.

Note: The number of call records the phone can store may vary, depending on your SIM card.

Accessing the Call Log from Idle Mode

In Idle mode, press the key. A list of the most recent numbers displays in the order you missed, dialed, or received them.

To	Press the
dial the number	key or the key.
edit the number	**Options** soft key and select **Edit**. Change the number.
delete the number	**Options** soft key and select **Delete**.
delete all of the numbers on the Call Log list	**Options** soft key and select **Delete All**. For details, see page 37.

Accessing Call Log from Menu Mode

Using the **Recent Calls** menu, you can view the calls you have missed, received, or dialed.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Recent Calls** and then select the type of calls you want to view, either **Missed Calls**, **Calls Received**, or **Calls Made**.
3. Select a call from the call log list.

   The number or name, if available, displays together with the time and date the call was missed, received, or dialed.
4. Press the key to dial the number.

   By pressing the **Options** soft key or the key, you can access the following options:

   - **Edit**: allows you to edit the number, if available, and save it in Address Book.
   - **Delete**: deletes the call from the list.
5. When you have finished, press the key.

Deleting all Numbers in Call Log

You can delete all of the records in each call log separately. You can also delete all of your call records at one time.

1. Access the call log list from Idle mode, press the **Options** soft key and select **Delete All**.

   Alternatively, enter the **Recent Calls** menu and select **Delete All**.

2. Scroll to the type of calls you want to delete and place a check mark by pressing the key. Repeat this step to select more call types.

   To delete all of the records in the Call Log, select **All Calls**.

3. Press the **Delete** soft key.
4. Press the **Yes** soft key or the key to confirm the deletion.
5. When you have finished, press the key.

Viewing Call Times

You can check the length of your calls.

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

---

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Recent Calls** → **Call Time**.
3. Scroll through the timers to check call times.

   The following timers are available:

   - **Last Call**: shows the length of the last call.
   - **Total Received**: shows the total length of all calls you have received since the timer was last reset.
   - **Total Made**: shows the total length of all calls you have made since the timer was last reset.

You can select **Reset Timers** to reset the call timers. You must first enter the phone password and then press the **OK** soft key or the ⁂ key.

Note: The password is preset to "00000000." To change this password, see page 136.

---

4. When you have finished, press the key.

Viewing Call Costs

You can check the cost of your calls. This feature may not be available depending on your SIM card.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Recent Calls** → **Call Cost**.
3. Scroll through the counters to check call costs.

   The following counters are available:

   - **Last Call Cost**: shows the cost of the last call you made.
   - **Total Cost**: shows the total cost of all calls you have made since the cost counter was last reset. If the total cost exceeds the maximum cost set in the **Set Max Cost** option, you can not make any calls until you reset the counter.
   - **Max Cost**: shows the maximum cost set in the **Set Max Cost** option.

   In addition, you can use the following setting options:

   - **Reset Counters**: allows you to reset the cost counters. You must first enter your PIN2 (see page 195) and then press the **OK** soft key or the ⁂ key.

- **Set Max Cost**: allows you to enter the maximum cost that you authorize for your calls. You must first enter your PIN2 (see page 195) and then press the **OK** soft key or the ⁂ key.
- **Price/Unit**: allows you to set the cost of one unit; this price per unit is applied when calculating the cost of your calls. You must first enter your PIN2 (see page 195) and then press the **OK** soft key or the ⁂ key.

4. When you have finished, press the key.

Switching to Silent Mode

Silent mode is convenient when you wish to stop the phone from making noise, in a theater for example.

In Idle mode, press and hold the # key until the “Silent Mode” message and the Vibration icon ( ) display.

In Silent mode, instead of making sounds, your phone will vibrate, flash its light, or do nothing, depending on the function and situation.

To exit and reactivate the previous sound settings, press and hold the # key again until “Exit Silent Mode” appears. The Vibration icon no longer displays.

Note: Activating Silent mode will not turn off the camera shutter sound.

Options During a Call

Your phone provides a number of control functions that you can use during a 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, simply press the **Hold** soft key. You can reactivate the call whenever you want, by pressing the **Unhold** soft key.

Making a Second Call

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

1. Enter the phone number that you wish to dial, or look it up in Address Book.
2. Press the key to dial the second call.

   The first call is automatically put on hold.

Alternatively,

1. Put the current call on hold by pressing the **Hold** soft key.
2. Make the second call in the normal way.

Answering a Second Call

You can answer an incoming call while you have a call in progress, if this service is supported by the network and you have set the **Call Waiting** menu to **Activate**; see page 130. You are notified of an incoming call by a call waiting tone.

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

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

   To end the current call, press the key.

Switching between Two Calls

When you have an active call and a call on hold, you can switch between the two calls, activating the one on hold and placing the other on hold.

To switch between the two calls, simply press the **Swap** soft key.

The current call is placed on hold and the call on hold is reactivated.

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

Switching Off the Microphone (Mute)

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

Example: You wish to say something to person in the room, but do not want the person on the phone to hear you.

To switch the microphone off temporarily:

1. Press the **Options** soft key or key.
2. Select **Mute**. The other person can no longer hear you.

To switch the microphone back on:

1. Press the **Options** soft key or key.
2. Select **Unmute**. The other person can hear you again.

Muting or Sending Key Tones

The **Mute Keys** and **Send Keys** options allow you to turn the key tones off and on.

1. Press the **Options** soft key or ⁂ key.
2. Select **Mute Keys** or **Send Keys**.

   If the **Mute Keys** option is selected, your phone does not transmit the DTMF (Dual Tone Multi-Frequency) tones of the keys, which allows you to press keys without hearing annoying key tones during a call.

   To communicate with answering machines or computerized telephone systems, the **Send Keys** option must be selected.

Searching for a Number in Address Book

You can search for a number in Address Book during a call.

1. Press the **Options** soft key or ⁂ key.
2. Select **Address Book**.
3. Enter the name that you wish to find.

   The Address Book entries are listed starting with the entry that most closely matches your input.
4. To view the highlighted entry, press the **View** soft key or ⁂ key.

For further details about the Address Book feature, see page 62.

Making a Conference Call

A conference call is a network service that allows up to 6 people to take part simultaneously in a multi-party call.

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

Setting Up a Conference Call

1. Call the first participant in the normal way.

   Call the second participant in the normal way. The first call is automatically put on hold.

2. To join the first participant to the conference call, press the **Options** soft key or the ⤫ key and select **Join**.

3. To add a new person to the conference call, call the new person in the normal way and then press the **Options** soft key or the ⤫ key. Select **Conference**.

   You can add incoming callers by answering the call and pressing the **Options** soft key or the ⤫ key, and selecting **Conference**. Repeat as required.

Having a Private Conversation with One Participant

1. Press the **Options** soft key or the ⤫ key and choose **Select One**.

2. Highlight a person from the participant list by pressing the Up or Down key, and press the **Select** soft key or the ⤫ key.

3. Select **Private**.

   Now you can talk privately to that person. The other participants can continue to converse with each other.

4. To return to the conference call, press the **Options** soft key or the key and select **Conference**.

   All of the conference call participants can now hear each other.

Dropping One Participant

1. Press the **Options** soft key or the key and choose **Select One**.
2. Highlight a person from the participant list by pressing the Up or Down key, and press the **Select** soft key or the key.
3. Select **Remove**.

   The call with that participant ends, but you can continue to talk to the other participants.
4. When you want to end the conference call, close the phone or press the key.

Section 4: Menu Navigation

Topics Covered

- Menu Navigation
- Menu Outline

This section guides you through accessing the menu list to use the functions available on your phone and gives you an overview of the menu structure.

Menu Navigation

Your phone offers a wide range of functions. These functions are arranged in menus and sub-menus.

There are two ways to access a menu function.

- Navigating through the list
- Entering the shortcut number of the menu option

Navigating through the List

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Scroll using the Navigation keys to reach a main menu, **Settings** for example. Press the **Select** soft key or the ⁙ key to enter the menu.
3. If the menu contains sub-menus, **Phone Settings** for example, you can access them by scrolling using the Up or Down key and pressing the **Select** soft key or the ⁙ key.

   If the menu that you have selected contains further options, repeat this step.
4. Scroll to an option and press the **Select** soft key or the ⁙ key to confirm the chosen setting.

Using Shortcuts

The menu items, such as menus, sub-menus, and options are numbered and can be accessed quickly by using their shortcut numbers.

Simply press the **Menu** soft key and enter the number of the menu you want.

Note: The numbers assigned to each menu are indicated on the list on page 51. They may not match the menu on your phone, depending on the services supported by your SIM card.

Example: Accessing the **Language** menu.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Press the **9** key for **Settings**.
3. Press the **3** key for **Phone Settings**.
4. Press the **2** key for **Language**.
5. Scroll to an option and press the **Select** soft key or the ⤧ key to confirm the chosen setting.

Menu Outline

The following list shows the menu structure and indicates the number assigned to each option and the page where you can find a description of each feature.

1. Recent Calls (see page 36)

- 1.1 Missed Calls
- 1.2 Calls Received
- 1.3 Calls Made
- 1.4 Voice Mail
  - 1.4.1 Connect to Voice Mail
  - 1.4.2 Voice Mail Number
- 1.5 Delete All
- 1.6 Call Time
  - 1.6.1 Last Call
  - 1.6.2 Total Received
  - 1.6.3 Total Made
  - 1.6.4 Reset Timers
- 1.7 Call Cost (dependant on the SIM card)
  - 1.7.1 Last Call Cost
  - 1.7.2 Total Cost
  - 1.7.3 Max Cost
  - 1.7.4 Reset Counters
  - 1.7.5 Set Max Cost
  - 1.7.6 Price/Unit

2. Messaging (see page 76)

- 2.1 IM
- 2.2 Create
  - 2.2.1 Text Message
  - 2.2.2 Multimedia Message
  - 2.2.3 Email
- 2.3 My Messages
  - 2.3.1 Inbox
  - 2.3.2 Email Inbox
  - 2.3.3 Outbox
  - 2.3.4 Draft
  - 2.3.5 My Folders
- 2.4 Templates

2. Messaging (continued)

- 2.5 Delete All
  - 2.5.1 Inbox
  - 2.5.2 Email Inbox
  - 2.5.3 Outbox
  - 2.5.4 Draft
- 2.6 Settings
  - 2.6.1 IM
  - 2.6.2 Text Message
  - 2.6.3 Multimedia Message
  - 2.6.4 Email
  - 2.6.5 Push Message
  - 2.6.6 Broadcast
- 2.7 Memory Status
  - 2.7.1 Text Message
  - 2.7.2 Multimedia Message
  - 2.7.3 Email

3. Games (see page 157)

- 3.1 Shop Games

4. Applications (see page 172)

- 4.1 Alarm
  - 4.1.1 Single Use Alarm
  - 4.1.2 Daily Alarm
  - 4.1.3 Wake-up Call
  - 4.1.4 Remove Alarm
  - 4.1.5 Autopower
- 4.2 Calendar
- 4.3 To Do List
- 4.4 Calculator
- 4.5 Currency Exchange
- 4.6 PIM Sync
  - 4.6.1 Start Sync
  - 4.6.2 View Result
  - 4.6.3 Sync Settings
  - 4.6.4 Profile
- 4.7 Device Management
  - 4.7.1 Start DM
  - 4.7.2 DM Settings
  - 4.7.3 Profile

5. MEdia Mall (see page 168)

- 5.1 Shop Ringtones
- 5.2 Shop Games
- 5.3 Shop Graphics
- 5.4 Shop Multimedia
- 5.5 Shop Applications
- 5.6 MEdia Home

6. Multimedia (see page 140)

- 6.1 Camera
  - 6.1.1 Take Photos
  - 6.1.2 Record Video
  - 6.1.3 My Album
  - 6.1.4 Delete All
  - 6.1.5 Memory Status
- 6.2 Record Audio
  - 6.2.1 Record
  - 6.2.2 Audio List
  - 6.2.3 Delete All
- 6.3 Memory Status

7. My MEdia (see page 162)

- 7.1 MEdia Net
  - 7.1.1 MEdia Net Home
  - 7.1.2 Favorites Bookmark
  - 7.1.3 http://
  - 7.1.4 Settings
  - 7.1.5 Clear Cache
- 7.2 Audio
- 7.3 Graphics
- 7.4 Delete All

8. Address Book (see page 62)

- 8.1 Search
- 8.2 New Entry
- 8.3 Group Search
- 8.4 Group Edit
- 8.5 Speed Dial
- 8.6 Delete All
- 8.7 Own Number
- 8.8 Memory Status

9. Settings (see page 110)

- 9.1 Sound Settings
  - 9.1.1 Ring Tone
  - 9.1.2 Ring Volume
  - 9.1.3 Shop Ringtones
  - 9.1.4 Alert Type
  - 9.1.5 Keypad Tone
  - 9.1.6 Message Tone
  - 9.1.7 Folder Tone
  - 9.1.8 Power On/Off
  - 9.1.9 Alerts on Call
  - 9.1.0 Extra Tones
- 9.2 Display Settings
  - 9.2.1 Wallpaper
  - 9.2.2 Front LCD Display
  - 9.2.3 Shop Graphics
  - 9.2.4 Menu Style
  - 9.2.5 Back Light
  - 9.2.6 Service Light
  - 9.2.7 Graphic Logo
- 9.3 Phone Settings
  - 9.3.1 Greeting Message
  - 9.3.2 Language
  - 9.3.3 Short Cut
  - 9.3.4 Extra Settings
- 9.4 Connection Settings
- 9.5 Time & Date
  - 9.5.1 Set Time
  - 9.5.2 Set Date
  - 9.5.3 World Time
  - 9.5.4 Time Update
  - 9.5.5 Auto Update
- 9.6 Network Services
  - 9.6.1 Call Forwarding
  - 9.6.2 Call Barring (dependant on the SIM card)
  - 9.6.3 Call Waiting
  - 9.6.4 Network Selection (dependant on the SIM card)
  - 9.6.5 Caller ID
  - 9.6.6 Closed User Group (dependant on the SIM card)
  - 9.6.7 Band Selection

9. Settings (continued)

- 9.7 Security
  - 9.7.1 PIN Check
  - 9.7.2 Change PIN
  - 9.7.3 Phone Lock
  - 9.7.4 Change Password
  - 9.7.5 Privacy
  - 9.7.6 SIM Lock
  - 9.7.7 FDN Mode
  - 9.7.8 Change PIN2
- 9.9 Reset Settings

Section 5: Entering Text

Topics Covered

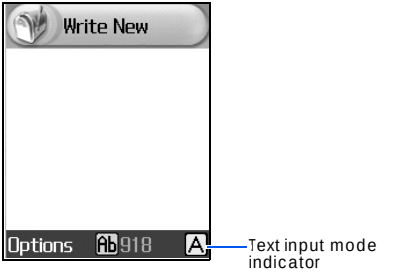
- Changing the Text Input Mode
- Using Alphabet Mode
- Entering Numbers
- Entering Symbols
- Using T9 Mode

When using your phone, you will often need to enter text, such as when storing a name in Address Book, creating your personal greeting, or scheduling events on your calendar. This section gives you information about entering alphanumeric characters by using your phone's keypad.

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 on the display.

Example: Writing a text message



To select	Press the right soft key until
Alphabet mode	A displays. See page 58.
Number mode	1 displays. See page 59.
Symbol mode	the symbol list displays. See page 59.
T9 mode	T9 displays. See page 60.

Using Alphabet Mode

Alphabet mode allow 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 letter you want displays.

Entering a Word in Alphabet Mode

1. Press the key (**1** to **0**) 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 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. Or, press the Right key to move the cursor immediately.

See the table below for available characters:

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

Tips for Using Alphabet Mode

- To insert a space, press the # key.
- To shift case in Alphabet mode, use the * key. There are 3 cases: Initial capital (Ab), Capital lock (AB), and Lower case (ab).
- You can move the cursor by using the Navigation keys. To delete letters, press the **C** key. Press and hold the **C** key to clear the display.

Entering Numbers

Number mode enables you to enter numbers. Press the key corresponding to the digit you want to enter.

Entering Symbols

Symbol mode enables you to insert symbols and punctuation marks.

To	Press the
select a symbol	corresponding number key.
display more symbols	Up or Down key.
clear the symbol(s)	**C** key.
insert the symbol(s) into your message	**OK** soft key or the key.

Using T9 Mode

T9 mode allows you to enter words with only one keystroke per letter. Each key on the keypad has more than one letter; for example, pressing the **5** key can enter J, K, or L. However, T9 mode automatically compares the series of keystrokes you make with an internal linguistic dictionary to determine the most likely word, thus requiring far fewer keystrokes than the traditional Alphabet mode.

Entering 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 **4**, **3**, **5**, **5**, and **6** keys.

   The word 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 keystrokes.

3. When the word displays correctly, go to step 4.

   If the word doesn’t display correctly, press the **0** key or the Up or Down key to display alternative word choices for the keys that you have pressed.

   Example: Both “Of” and “Me” use the **6** and **3** keys. The phone displays the most commonly used choice first.

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

Adding a New Word to the T9 Dictionary

If you cannot find the word you want, you can add the word to the T9 dictionary for the next use.

1. After pressing the keys corresponding to the word you want to add, press the **0** key or the Down key to display the alternative words.
2. When there are no more alternative words, the display shows **Add** on the bottom line. Press the **Add** soft key.
3. If necessary, clear the word using the **C** key and enter the word you want to add using Alphabet mode. See page 58.
4. Press the **OK** soft key or the ⁂ key.

   The word is added to the T9 dictionary and becomes the first word for the associated keypress series.

Tips for Using T9 Mode

- To enter periods, hyphens, or apostrophes, press the **1** key. T9 mode applies grammar rules to ensure that correct punctuation is used.
- To shift case in T9 mode, use the * key. There are 3 cases: Initial capital (Ab), Capital lock (AB), and Lower case (ab).
- You can move the cursor by using the Left and Right keys. To delete letters, press the **C** key. Press and hold the **C** key to clear the display.

Section 6: Address Book

Topics Covered

- Adding a New Address Book Entry
- Dialing a Number from Address Book
- Speed Dialing
- Finding an Entry in Address Book
- Editing a Caller Group
- Checking the Memory Status
- Deleting Address Book Entries

This section gives you detailed information on using your Address Book, which is a directory for storing and managing your contact information. You can store phone numbers and their corresponding names in both your SIM card and your phone's memory. They are physically separate but are used as a single entity, Address Book.

Note: Depending on your particular SIM card, the maximum number of phone numbers the SIM card can store may differ.

Adding a New Address Book Entry

There are two ways to store a number:

- Using the **Save** soft key or the ⌘ key in Idle mode
- Using the **New Entry** option in the **Address Book** menu

Storing a Number in Idle Mode

1. In Idle mode, enter the number you want to store.

Note: If you make a mistake while entering a number, correct it using the **C** key. For further details, see page 31.

---

2. When you are sure that it is correct, press the **Save** soft key or the ⌘ key.
3. Select an icon to identify the category in which the number is to be stored. To select a category, press the Left or Right key and press the **Select** soft key or the ⌘ key.

   Three categories are available:

   - : Mobile phone number
   - : Office phone number
   - : Home phone number
4. Select a memory location, either **SIM Memory** or **Phone Memory**.

Note: When you change phones, any numbers stored in your SIM card are automatically available with the new phone, whereas any numbers stored in the phone's memory will need to be reentered.

---

5. Enter a name and press the **OK** soft key or the key. For further details about how to enter characters, see page 56.

   To add the number to an existing name, select that name from the list.

6.

To	Press the
dial the number	key or the key.
use the entry options	**Options** soft key. For further details, see page 70.
return to the idle screen	key.

Storing a Number Using the New Entry Option

1. In Idle mode, press the **Names** soft key.

   You can also press the **Menu** soft key to access Menu mode and select **Address Book**.

2. Select **New Entry**.

3. Select an icon to identify the category of the number to be stored by pressing the Left or Right key, and press the **Select** soft key or the key.

Note: The E-mail icon ( ) is available in this step. It allows you to save an e-mail address instead of a phone number.

4. Select a memory location, either **SIM Memory** or **Phone Memory**.

Note: When you are saving an e-mail address, SIM Memory is not available.

5. Enter a name and press the **OK** soft key or the key.

   For further details about how to enter characters, see page 56.

   To add the number to an existing name, select that name from the list.

6. Enter the number or address you want to store and press the **Save** soft key or the key.

Storing Your Phone Number

You can store your own phone number(s) as a the memory aid.

1. In Idle mode, press the **Names** soft key.

   You can also press the **Menu** soft key to access Menu mode and select **Address Book**.

2. Select **Own Number**.
3. Select the location in which you want to store a number.
4. Enter a phone number and press the **OK** soft key or the key.
5. Enter a name and press the **OK** soft key or the key.
6. When you have finished, press the key.

Dialing a Number from Address Book

Once you have stored phone numbers in Address Book, you can dial them easily and quickly by using the location numbers that were assigned to them in Address Book. These numbers are assigned in the order in which they were saved.

Note: If you cannot remember a location number, you must go into the **Search** option in the **Address Book** menu to search for the entry by name. For details, see page 69.

Dialing a Number from the SIM Card

1. In Idle mode, enter the location number for the phone number you want to dial and press the # key.
2. You can press the Up or Down key to find other numbers on the list.
3. Press the **Dial** soft key or the key when you have selected the number you want.

Dialing a Number from the Phone's Memory

1. In Idle mode, press and hold the **0** key. A + appears.
2. Enter the location number of the phone number you want and press the # key.
3. You can press the Up or Down key to find other numbers on the list.
4. Press the **Dial** soft key or the key when you have selected the number you want.

Speed Dialing

You can assign up to 8 phone numbers from Address Book that you use most frequently to the number keys (**2** to **9**), and then dial them easily whenever you want, simply by pressing and holding the associated number key.

Setting Up Speed Dial Entries

1. In Idle mode, press the **Names** soft key.

   You can also press the **Menu** soft key to access Menu mode and select **Address Book**.

2. Select **Speed Dial**.

3. Select the key to which you wish to assign the speed dialing number, from the **2** to **9** keys.

Note: Memory location 1 is reserved for your voice mail server number.

---

4. Select a name from the Address Book list.

5. Select a number, if the name has more than one.

   The speed dial setting is saved.

6. When you have finished, press the key.

Speed Dialing

To quickly dial the numbers assigned to the **2** to **9** keys, press and hold the appropriate key in Idle mode.

Changing a Number Assigned to a Key

1. In Idle mode, press the **Names** soft key.

   You can also press the **Menu** soft key to access Menu mode and select **Address Book**.

2. Select **Speed Dial**.
3. Select the key you want to change.
4. Press the **Options** soft key or the key, and select **Change**.
5. Select a number to assign.
6. When you have finished, press the key.

Deleting Speed Dial Entries

1. In Idle mode, press the **Names** soft key.

   You can also press the **Menu** soft key to access Menu mode and select **Address Book**.

2. Select **Speed Dial**.
3. Select the key whose number assignment you want to delete.
4. Press the **Options** soft key or the key and select **Delete**.

   If you want to delete all of the speed dial settings, select **Delete All**.

5. Press the **Yes** soft key to confirm the deletion.
6. When you have finished, press the key.

Finding an Entry in Address Book

After storing numbers in Address Book, you can search for them in two ways: by name and by caller group.

Finding a Number by Name

1. In Idle mode, press the **Names** soft key.

   You can also press the **Menu** soft key to access Menu mode and select **Address Book**.

2. Select **Search**.

3. Enter the first few letters of the name.

   The Address Book entries are listed, highlighting the entry that most closely matches your input.

4.

To	Press the
view the highlighted entry	**Select** soft key or the ⁂ key.
select a different entry	Up or Down key until the entry you want highlights.
look for a name starting with a different letter	key labeled with the letter you want.

5. Once you have found the entry, press the ↶ key or the ⁂ key to dial the number.

   Alternatively, press the **Options** soft key to access the Address Book entry options. For further details, see the next section.

Using Address Book Entry Options

While accessing any Address Book entry, press the **Options** soft key to access the options for the entry.

The following options are available:

Edit: allows you to edit the name and/or number.

Select **One Entry** to change the name and/or phone number for the selected entry. If you change the name, the number is saved separately with the new name.

Select **All Entry** to change only the name of the entry.

Send Message: allows you to send an SMS or MMS message to the selected phone number. For details, see page 78 and page 81 respectively.

If you have selected an e-mail address, you can send an e-mail. For details, see page 84.

Multimedia Caller ID: allows you to assign a particular caller ring tone and caller image to be played and displayed when you receive a call from the selected number.

- **Graphics**: You can select a photo from the Photo Album or an image from the **Graphics** folder, or take a new photo using the camera. For details about using the camera, see page 141. Once you have set an image for a caller or group, if you want to view the caller ID image, select **View**.
- **Video**: You can select a video clip from the Photo Album or record a new video using the camera. For details about using the camera, see page 141. Once you have set a video clip for a caller or group, if you want to view the video clip for the caller ID, select **View**.

- **Audio**: You can select a ring tone from the default ringer melodies or downloaded sound clips from the **Audio** folder.
- **Delete Caller ID**: cancels the Caller ID settings for the number.

Paste: allows you to paste the number into the normal dialing mode. Use this option to dial a number similar to one in Address Book, such as a different extension in the same office. When you are ready to dial, press the key.

Delete: allows you to delete the selected number from Address Book. You are asked to confirm that you wish to delete the name and number by pressing the **Yes** soft key or the key.

Copy: allows you to copy the number to another location. You can select the memory location, either SIM or Phone, and the location number.

Caller Group: allows you to organize your Address Book entries in caller groups so that the phone alerts you in a specific way when a person from one of your groups calls you. Select one of 10 groups available.

To remove an entry from a group, select the **No Group** option.

For further details about how to change caller group properties, see page 73.

Add Entry: allows you to add a new number to the currently selected name.

Finding a Number by Caller Group

1. In Idle mode, press the **Names** soft key.

   You can also press the **Menu** soft key to access Menu mode and select **Address Book**.

2. Select **Group Search**.

3. Enter the first few letters of the group name.

   The caller groups are listed, starting with the group that most closely matches your input.

4. If necessary, scroll to a group by pressing the Up or Down key and press the **Select** soft key or the key.

5.

To	Press the
view the highlighted entry	**View** soft key or the key.
select a different entry	Up or Down key until the entry you want highlights.

6. Once you have found the entry, press the key or the key to dial the number.

   Alternatively, press the **Options** soft key to access the Address Book entry options; for further details, see page 70.

Editing a Caller Group

1. In Idle mode, press the **Names** soft key.

   You can also press the **Menu** soft key to access Menu mode and select **Address Book**.

2. Select **Group Edit**.

3. Find the group you want and press the **Options** soft key or the ⤫ key.

4. Select each option and change the settings, as you want. The following options are available:

   - **Call Ring Tone**: allows you to set a ring tone to be used when you receive a voice call from a member of that group.
   - **SMS Tone**: allows you to set a ring tone to be used when you receive a message from a member of that group.
   - **Graphic**: allows you to set a graphic icon to be displayed when you receive a voice call from a member of that group.
   - **Group Name**: allows you to assign a name to the group. For further details about how to enter characters, see page 56.

5. When you have finished, press the ☎ key.

Checking the Memory Status

You can check how many names and numbers are stored in Address Book, both in the SIM card and in the phone's memory. You can also see the capacity of both memories.

1. In Idle mode, press the **Names** soft key.

   You can also press the **Menu** soft key to access Menu mode and select **Address Book**.

2. Select **Memory Status**.

   The display shows the number of entries you have saved and the total number of entries you can save in each memory. The sliding scale shows the proportion of locations currently in use and free in each memory.

3. When you have finished, press the key.

Deleting Address Book Entries

You can delete entries in Address Book one by one, or all of the entries in the selected memory or both memories.

Deleting an Address Book entry

1. In Idle mode, press the **Names** soft key.

   You can also press the **Menu** soft key to access Menu mode and select **Address Book**.

2. Select **Search** and then select a name.

3. Select a number, if the name has more than one number.

4. Press the **Options** soft key and then select **Delete**.

5. Press the **Yes** soft key to confirm the deletion.

   If there is only one number for the selected name, the name is deleted.

   If the name has more than one number, only the selected number is deleted.

6. When you have finished, press the key.

Deleting all Entries

1. In Idle mode, press the **Names** soft key.

   You can also press the **Menu** soft key to access Menu mode and select **Address Book**.

2. Select **Delete All**.

3. Scroll to the memory you want to empty, **All**, **SIM Memory**, or **Phone Memory**, and press the key to place a check mark.

4. When you have finished marking, press the **Delete** soft key to delete the entries in the selected memory location(s).

5. Enter the phone password and press the **OK** soft key or the key.

Note: The password is preset to “00000000” at the factory. To change this password, see page 136.

---

6. Press the **OK** soft key or the key to confirm the deletion.

7. When you have finished, press the key.

Section 7: Messaging

Topics Covered

- Types of Messages
- Message Alerts
- Creating and Sending New Messages
- Retrieving New Messages
- Viewing Messages
- Checking Voice Mails
- Using Instant Messenger
- Changing Message Settings
- Checking Memory Status
- Deleting Messages

This section explains how to use your phone's various messaging functions, which allow you to send or receive traditional text messages (SMS), multimedia messages (MMS), voice mails, Cell Broadcast (CB) messages, and e-mails. You can also have a conversation with other people using Instant Messenger.

Types of Messages

You can use the following types of message services on your phone:

- SMS (Short Message Service), which allows you to send and receive traditional text messages, phone to phone. You can also use EMS (Enhanced Message Service), which allows you to send and receive enhanced SMS messages containing simple pictures, melodies, and animated images.
- MMS (Multimedia Message Service), which allows you to send and receive multimedia messages containing images, audio clips, video clips, and combinations of these items, phone to phone, or phone to e-mail.
- Voice mail, which enables callers to leave messages for you, if you cannot answer their calls for any reason (dependant on your service provider).
- E-mail service, which allows you to send an e-mail and view received e-mails on the phone.
- Instant Messaging (IM), which is a way of sending short, simple messages that are delivered immediately to users online at that moment.

You can also receive Cell Broadcast (CB) messages from your service provider and push messages from the WAP (Wireless Application Protocol) server.

Note: Your phone is suited for messaging functions. However, if it doesn't work correctly, change the message settings according to your service provider's instructions.

Message Alerts

When you receive a new message, the phone alerts you by:

- Displaying a corresponding icon (for SMS, for MMS, for voice mail, and for e-mail).
- Displaying a notification message.
- Sounding a specified alert tone (see page 112).

Creating and Sending New Messages

This section guides you through the procedures for sending various types of messages.

Creating and Sending a Simple Text Message

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Messaging** → **Create** → **Text Message**. The Write New screen appears.
3. Create your message.

   For further details about entering characters, see page 56.

Note: You can save the message in the **Draft** folder or one of the folders in **My Folders** by pressing the **Options** soft key and selecting **Save**.

---

4. Press the key.

Section 7

5. Enter a destination number.

   To add more destinations, press the **OK** soft key and enter another number. You can add up to ?? destinations.

   You can retrieve an entry or entry group from Address Book by pressing the **Options** soft key. To delete the selected number or group, select **Delete Destination**.

6. When you have finished, press the key to send it.

7. Press the **Yes** soft key or the key to confirm sending.

Creating and Sending an Enhanced Text Message

1. In Idle mode, press the **Menu** soft key to access Menu mode.

2. Select **Messaging** → **Create** → **Text Message**. The Write New screen appears.

3. Create your message.

   For more information about entering characters, see page 56.

4. While entering the message text, press the **Options** soft key to access the following options to enhance your message:

   - **Add Entry**: allows you to add a message template, an Address Book entry, or a URL address from the **Favorites** folder to the message text.
   - **Text Format**: allows you to format the text style.

- **Language**: allows you to change the language to be used in T9 input mode.
- **Add Object**: allows you to add one of a variety of default media items, such as simple pictures, melodies, or animated images. You can also add an Address Book entry (vCard) and memos from Calendar (vCalendar).

Notes:
- You can save the message in the **Draft** folder or one of the folders in **My Folders** by pressing the **Options** soft key and selecting **Save**.
- When you add media items to a message, the number of characters you can enter decreases.

---

5. Complete the message and follow the procedure from step 5 on page 78.

Creating a Long Text Message

When you write a text message, the phone automatically splits it into several messages if your message exceeds the maximum number of characters allowed for sending. The number of split messages to be sent is shown each time your message splits.

Creating and Sending an MMS Message

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Messaging** → **Create** → **Multimedia Message**.
3. Enter the subject of your message and press the **Next** soft key or the ⁂ key.

   For further details about entering characters, see page 56.
4. When **Add Here** highlights, press the **Options** soft key or the ⁂ key and add message contents using one of the following options:
   - **Add Text**: enter the message text.
   - **Add My Photo**: allows you to add an image or photo. You can take a new photo or add one of the photos stored in the phone's memory. For further details about using the camera, see page 141.
   - **Add My Video**: allows you to add a video clip. You can record a new video clip or add one of video clips stored in the phone's memory.
   - **Add Picture**: allows you to add a picture. You can add an image stored in the **Graphics** folder. You can add downloaded images if they are in the correct format and your service provider supports them.
   - **Add Sound**: allows you to add a sound file. You can record a new audio clip or add an existing audio clip, or select one of sound clips stored in the **Audio** folder.
   - **Send**: allows you to send the message.
   - **Save**: saves the message to the **Draft** or **Templates** folder.

- **Settings**: allows you to change the message settings. For further details about each setting option, see page 103. After changing the settings, you need to press the ↺ soft key or the **C** key to go to back to the message screen.
- **Add Destination**: allows you to enter destination numbers or addresses. See steps 8 to 13. After adding them, you need to press the ↺ soft key or the **C** key to go to back to the message screen.
- **Preview**: shows the message you created.

Note: You can add text, an image, a picture and a sound only once for each page.

---

5. Repeat step 4 until you have finished creating your message.
6. If you want to change the added items, scroll to the one you want and press the **Options** soft key or the ⁂ key.

   The following options are available:

Note: Available options vary depending on whether the item you select on the message screen is text, an image, a sound, or the Page field.

- **Edit Text/Picture/Sound**: allows you to change the text, or exchange an image or sound for another one.
- **Add Page**: allows you to add more pages. After you add a page, you can move to different pages using the Left or Right key on the message screen. The display shows you the current page number and the memory space used for the page.
- **Delete**: deletes the item from your message.

- **Duration**: allows you to set when and how long text, an image, a sound, or a page displays on the message presentation screen. If the duration you set is shorter than the content duration (for example, the length of a sound clip) for a particular page, the content duration is automatically decreased.
- **Send**: allows you to send the message.
- **Save**: saves the message in the **Draft** or **Templates** folder.
- **Settings**: allows you to change the message settings. For further details about each setting option, see page 103.
- **Add Destination**: allows you to enter destination addresses. See steps 8 to 13.
- **Preview**: shows the message you created.

7. When you have finished creating the message, press the **Options** soft key and choose **Send**.
8. Select a destination type, **To**, **Cc**, or **Bcc**.
9. Choose one of the following options:
   - **Phone Number**: allows you to enter the phone number you want.
   - **E-Mail Address**: allows you to enter the e-mail address of the recipient.
   - **Phone Book**: allows you to retrieve an entry from Address Book.
10. Enter a number or an e-mail address, or select an entry from Address Book.
11. When the correct number or address displays, press the **OK** soft key or the ⤧ key.

12. To add another destination, select **Add Destination** and repeat from step 9.

    If you want to edit the destinations, select the one you want. You can change or delete it.

13. To enter additional numbers or addresses to other destination types, press the ↺ soft key or the **C** key and repeat steps 8 through 12.

    You can enter up to 10 destinations each for **To**, **Cc**, and **Bcc**.

14. When you have finished entering destinations, select **Send**.

Creating and Sending an E-mail

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Messaging** → **Create** → **Email**.
3. Enter the subject of your e-mail and press the **OK** soft key or the ⁂ key.

   For further details about entering characters, see page 56.

4. Enter the e-mail text and press the **Options** soft key or the ⁂ key.

   The following options are available:

   - **Add Attachments**: enables you to attach Address Book entries, memos stored on your calendar, photos, videos, pictures, or sounds.

After selecting the file type you want to add, choose an item from the list. You can add up to 9 items. After adding, press the ↺ soft key or the **C** key to go back to the e-mail screen.

If you want to remove an attached item, select **Attachment View** and select it on the list. Press the **View** soft key and then the **Discard** soft key.

- **Send:** sends the e-mail.
- **Save**: saves the e-mail in the **Draft** folder or one of the folders defined in **My Folders**.
- **Add Destination**: allows you to add destination addresses. See steps 6 to 10. After adding, press the ↺ soft key or **C** key to go back to the e-mail screen.
- **Information**: shows the e-mail subject, the list of the recipients you have added, if any, and message text.

5. When you have finished creating the e-mail, choose **Send**.
6. Select a destination type, **To**, **Cc**, or **Bcc**.
7. Choose one of the following options:
   - **Direct Enter**: allows you to directly enter the e-mail address you want.
   - **Phone Book**: allows you to retrieve an e-mail address from Address Book.
   - **History**: allows you to retrieve an e-mail address from the messages you have sent or received.
8. Enter an e-mail address or select one from Address Book.
9. To add more addresses, select **To**, **Cc**, or **Bcc**.

10. When there is an e-mail address already entered in the selected destination type, select **Add Destination**. Repeat from steps 7 and 8.

    If you want to edit the destinations, select the one you want. You can change or delete it.

11. When you are finished adding destinations, select **Send E-Mail**. Your phone sends the e-mail.

Using Message Templates

You can create templates for your most commonly used phrases, sentences, or message. You can then retrieve and use them at will. You can change the templates at any time, or send one as a message immediately.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Messaging** → **Templates**. The template list appears.
3. Select an empty location or a text template and press the **Options** soft key to access the following options:
   - **Edit Message**: allows you to add a new template or change the selected template.
   - **Send Message**: allows you to send an SMS message using the template. For further details about sending SMS message, see page 78.
   - **Delete**: deletes the template you select or all of the templates.
4. When you have finished, press the key.

Retrieving New Messages

While text messages from other phones are delivered directly to your phone, MMS messages and e-mails will be stored in the **Inbox** folder of the message server and the server will alert you to their arrival. You will need to retrieve new messages from the server to read them on the phone.

Retrieving an MMS Message

When a new MMS message comes in, the display shows the MMS Message icon ( ) and a text notification, along with the sender's number.

1. Press the **View** soft key or the key to view brief information about the message, such as the sender's number, the message size, and the subject.

   If you want to view the message later, press the **Exit** soft key.

2. Press the **Options** soft key or the key and select **Retrieve**.

   Your phone retrieves the message from the server and displays it.

3. To scroll through the message, press the Up or Down key.

4. When you have finished, press the key.

Retrieving an E-mail

When a new e-mail comes in, the display shows the E-mail icon ( ) and a text notification.

1. Press the **View** soft key or the key to view e-mail information.
2. Press the **Options** soft key or the key and select **Retrieve**.

   Your phone retrieves the new e-mails from the server and displays them on the Email Inbox list.
3. To read an e-mail, select it on the list. For details, see the next page.
4. When you have finished, press the key.

Viewing Messages

Your phone provides you with 4 message folders:

- **Inbox**: stores incoming SMS, MMS, CB, and WAP messages.
- **Email Inbox**: stores incoming e-mails.
- **Outbox**: stores the messages and e-mails your phone has failed to send.
- **Draft**: stores the messages and e-mails you have saved without sending or attempting to send.

You can create up to 5 message folders to manage your messages and e-mails. See page 94.

Viewing a Message

1. In Idle mode, press the **Menu** soft key to access Menu mode.

2. Select **Messaging** → **My Messages** and then select the message folder you want. The message list opens.

   The icons to the left of the message destination indicate the message type (for SMS, for MMS, and for E-mail) and sending status (for Sent for Unsent).

   The icons to the right of the message subject indicates the memory location (for SIM and for Phone) and the lock status (for Locked and for Unlocked).

   From the message list, you can access the following options by pressing the **Options** soft key.

   - **Delete**: allows you to delete the selected message.
   - **Delete All**: allows you to delete all messages or selected message(s) in the folder.
   - **Move**: allows you to move the message from the phone's memory to the SIM card and vice versa. This option is available for a SMS message.

3. Select a message on the list. The message content displays.

   For an MMS message, the display presents the message and then switches to the message view screen.

4. Press the Up or Down key to scroll through the message screen. For an MMS message, press the Left or Down key to scroll to other pages, if the message has more than one.

   You can access the message options by pressing the **Options** soft key. For details, see the next section.

5. Press the * or # key to move to the previous or next message.
6. When you have finished, press the key.

Using Message Options

While viewing a message, press the **Options** soft key to access the message options:

Note: Depending on the status of the selected message, available options vary.

Options for Incoming Messages

SMS Message

- **Delete**: deletes the message.
- **Send**: sends the message.
- **Text Reply**: allows you to send an message as your reply.
- **Call Back**: dials the number of the message.
- **Cut Address**: extracts the sender's number or address and URL, e-mail addresses, and phone numbers from the message text.
- **Move to Phone**: moves the message from the SIM card to the phone's memory.
- **Move to SIM**: moves the message from the phone's memory to the SIM card.
- **Select Object**: extracts media contents from the message so that you can save them in the phone's memory.

Multimedia Message

- **Delete**: deletes the message.
- **Reply**: allows you to send an message as your reply.
- **Cut Address**: extracts the sender's number or address and URL, e-mail addresses, and phone numbers from the message text.
- **Call Back**: dials the number of the message.
- **Forward**: sends the message to other destinations.
- **Save Picture**: extracts pictures from the message so that you can save them in the phone's memory.
- **Save Sound**: extracts melodies from the message so that you can save them in the phone's memory.
- **Properties**: shows information about the message.

MMS Notification

- **Retrieve**: retrieves the message from the message server.
- **Delete**: deletes the message.
- **More Properties**: shows information about the message, including the validity period, MMS version, or content location and so on.

E-Mail Message

- **Delete**: deletes the e-mail.
- **Reply**: allows you to send an e-mail as your reply.
- **Forward**: sends the e-mail to other destinations.
- **Cut Address**: extracts the sender's number or address and URL, e-mail addresses, and phone numbers from the e-mail text.

- **Attachments**: shows the files attached to the e-mail.
- **Disconnect**: disconnects the connection with the server.
- **Properties**: shows information about the e-mail.

E-Mail Header

- **Retrieve**: retrieves the entire e-mail from the e-mail server. This option is shown with the e-mail header.
- **Delete**: deletes the e-mail.
- **Disconnect**: disconnects the connection with the server.

Options for Outgoing Messages

SMS Message

- **Forward**: (Sent) sends the message to another destination.
- **Send Again**: (Failed) resends the message to the specified destination.
- **Send**: (Draft) sends the message.
- **Cut Address**: extracts the recipient's number and URL, e-mail addresses, or phone numbers from the message text.
- **Delete**: deletes the message.
- **Lock/Unlock**: locks the message to keep it from being deleted or unlocks the message.
- **Properties**: shows information about the message.

MMS Message

- **Forward**: (Sent) sends the received message to another destination.
- **Send Again**: (Failed) resends the sent message to the specified destination.

- **Send**: (Draft) sends the draft message.
- **Cut Address**: extracts the recipient's number and URL, e-mail addresses, or phone numbers from the message text.
- **Delete**: deletes the message.
- **Lock/Unlock**: locks the message to keep it from being deleted or unlocks the message.
- **Properties**: shows information about the message.

E-mail

- **Forward**: (Sent) sends the e-mail to another destination.
- **Send Again**: (Failed) resends the e-mail to the specified destination.
- **Send**: (Draft) sends the e-mail.
- **Cut Address**: extracts the recipient's number and URL, e-mail addresses or phone numbers from the text.
- **Delete**: deletes the message.
- **Lock/Unlock**: locks the message to keep it from being deleted or unlocks the message.
- **Properties**: shows information about the e-mail.

Managing Your Own Message Folders

You can create up to 5 message folders to store messages separately from the default message folders.

Creating a Message Folder

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Messaging** → **My Messages**.
3. From the message folder list, highlight **My Folders** and press the **Options** soft key.
4. Select **Create Folder**.
5. Enter a folder name and press the **OK** soft key or the key.
6. When you have finished, press the key.

Renaming a Message Folder

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Messaging** → **My Messages** → **My Folders**. The list of message folders you have defined opens.
3. Scroll the folder you want to rename.
4. Press the **Options** soft key and select **Rename Folder**.
5. Clear the current name and enter a new name.
6. Press the **OK** soft key or the key.
7. When you have finished, press the key.

Deleting a Message Folder

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Messaging** → **My Messages** → **My Folders**. The list of message folders you have defined opens.
3. Scroll the folder you want to delete.
4. Press the **Options** soft key and select **Delete Folder**.
5. Press the **OK** soft key or the key to confirm the deletion.
6. If the phone asks if you want to delete protected messages, press the **OK** soft key or the key.
7. When you have finished, press the key.

Checking Voice Mails

You can access your voice mailbox, if this service is provided by your network.

Accessing the Voice Mailbox

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Recent Calls** → **Voice Mail** → **Connect to Voice Mail** → **Voice Mail**. Your phone dials the specified number of the voice mail center.
3. When connected, follow the voice prompts from the voice mail center.

Changing the Voice Mail Number

Your SIM card gives you the service number of the voice mail center by default. However, you may need to change the number.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Recent Calls** → **Voice Mail** → **Voice Mail Number** → **Voice Mail**. The current number displays.
3. Press the **Edit** soft key or the ⁙ key.
4. Enter a new number and press the **OK** soft key or the ⁙ key.
5. When you have finished, press the ☎ key.

Using Instant Messenger

Instant Messenger (IM) 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.

Note: By default, your phone is suited for using your service provider's messenger service. You can change the default community. See page 101.

Starting Your Messenger

1. In Idle mode, press the **Menu** soft key to access Menu mode.

1. Select **Messaging** → **IM** → **Sign On**. You are logged into the default community.

2. Select **Buddy List**. The subscribers of the messenger service displays.

3. Select the person you want to talk to.

4. Start the conversation with the person by writing a message and pressing the key to send it.

   During a conversation, you can access the following options by pressing the **Options** soft key.

   - **Send**: sends the entered message.
   - **Template**: allows you to add a template into your message.

- **Emoticon**: allows you to add an emoticon into your message.
- **Save Conversation**: saves your conversation so that you can view the conversation offline.
- **End Conversation**: ends the current conversation.
- **Go To Contact List**: shows the list of the contacts.
- **Add Buddy**: allows you to add the current contact to your IM contact list.
- **Block IM**: blocks a message from the currently selected contact.
- **Exit**: exits the option list.

5. To end the conversation, press the **Options** soft key and select **End Conversation**.

   To disconnect from the community, press the **Options** soft key and select **Sign Off**.

Using the Buddy List

On the conversation screen online, select **Buddy List** to open the list of contacts you have set up.

Press the **Options** soft key to access the following options:

Note: Depending on the item highlighted on the list, available options vary.

Show/Hide List: displays the list of the contacts or hide them from the list.

View: displays the conversation.

Send IM: allows you to send a message to the currently selected contact.

Send IM to: allows you to send a message to another contact you want.

Add Buddy: allows you to add a new contact to the list.

Delete Buddy: allows you to remove contacts from the list.

Block IM: allows you to block the message from the selected contact.

Refresh: reloads the contact list with updated status.

My Presence: allows you to set whether your online or offline status is shown on other contacts' devices.

Set Alert: allows you to turn the sound on or off to alert you when a message comes in or the status of a contact changes.

Sign Off: signs out of the community.

Expiry Date: allows you to select the length of time your messages are stored in the message center after they are sent.

Exit: exits the option list.

Viewing the Conversation Logs

You can view the log of your conversations in the Instant Messenger.

Online or offline, select **Conversation Logs** to open the conversation log list. Select a log you want to view.

On the log view, you can access the following options by pressing the **Options** soft key:

Send Log: sends the conversation log by SMS or MMS message.

Cut Address: extracts the address of the contact from the log.

Delete: deletes the log.

Properties: shows information about the log.

Exit: exits the option list.

Changing Message Settings

You can set up various options for using messaging services.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Messaging** → **Settings**.
3. Select the type of messages for which you want to change the settings.

   For details on each setting option, see the next sections.

IM

The following options are available:

Default Community: allows you to select the community you want to join by default.

Community Settings: allows you to change the community settings for using the Instant Messenger.

Profile: allows you to select a connection profile for using the Instant Messenger.

Auto Sign On: allows you to set whether or not you automatically sign on to the default community when you access the Instant Messenger.

Text Message

The following options are available:

Sending Profile: allows you to select a setting group to be used for SMS messaging. You can also set up default message information in each setting group. A setting group is a collection of settings required to send messages. The number of setting groups available depends on the capacity of your SIM card.

To edit a setting group, scroll to a group and press the **Options** soft key and select **Edit**. The following setting options are available:

- **Service Center**: allows you to store or change the number of your message center, which is required when sending messages. You must obtain this number from your service provider.
- **Default Destination**: allows you to store a default destination number. The number automatically displays on the Destination screen when you create a message.
- **Default Type** (dependant on the SIM card): allows you to set the default message type to **Text**, **Fax**, **E-mail**, or **Paging**. The network can convert the messages into the selected format.
- **Default Validity** (dependant on the SIM card): allows you to set the length of time your text messages are stored in the message centre while attempts are made to deliver them.
- **Setting Name**: allows you to give a name to the setting group currently being defined.

Reply Path (dependant on the SIM card): allows the recipient of your message to send you a reply through your message center, if your network supports this service.

Delivery Report (dependant on the SIM card): allows you to activate or deactivate the report function. When this function is activated, the network informs you as to whether or not your message has been delivered.

Bearer Selection: allows you to select either **GSM** or **GPRS**, depending on your network.

Character Support: allows you to select a character encoding type, **GSM-Alphabet**, **Uni-code**, or **Automatic**.

Preferred Memory: allows you to select a default memory where your outgoing or incoming messages are stored.

Save Sent Message: allows you to set the phone to save your sent messages in the Outbox folder.

Multimedia Message

The following options are available:

Setup: provides you with various message settings.

- **Delivery Report**: when this option is enabled, the network informs you as to whether or not your message has been delivered.
- **Read Reply**: when this option is enabled, your phone sends a request for a reply along with your message to the recipient.
- **Auto Download**: you can set whether or not your phone retrieves new incoming messages from the MMS server without notifications.

- **Message Acceptance**: you can specify the category of messages you want to receive. Select **All** to receive all messages.
- **Hide ID**: you can set your phone number not to be displayed on the recipient's phone.
- **Expiry Date**: you can select the length of time your messages are stored in the message center after they are sent.
- **Delivery Time**: you can set a time delay before the phone sends your messages.
- **Priority**: you can select the priority level of your messages.
- **Report Allowed**: when this option is enabled, the sender of an incoming message receives a delivery report from the network.
- **Page Duration**: you can set the length of time one page of an outgoing message displays on the message presentation screen. After a specified time, the display automatically scrolls to the next page.

Profile: selects a connection profile to be used for sending and receiving MMS messages. You can also change the profile. The following options are available:

- **Profile Nam**e: enter a name that you wish to assign to the MMS server.
- **Connection URL**: enter the address of your MMS server.
- **Security**: select a data transmission mode. Choose Secure to protect your data against unauthorised access; otherwise, select Non-secure.

- **Proxy Setting**: enter the gateway address required to connect to the MMS server.
- **User Name**: enter the user ID required to connect to the MMS server.
- **Password**: enter the password required to connect to the MMS server.
- **APN**: enter the access point name used for the address of the MMS server.

E-mail

The following options are available:

Account: you can configure up to 10 e-mail accounts using different service providers. The most recently accessed account is automatically activated for sending or receiving e-mail messages.

When you select an account, the following options are available:

- **Account Name**: enter a name for the current account.
- **Name**: enter the name to be displayed in your outgoing messages as the sender name.
- **E-Mail Address**: enter your e-mail address and the Reply-to address to which you want replies sent.
- **Protocol Type**: specify an e-mail protocol type for the incoming server, either **POP3** or **IMAP4**. Contact your e-mail service provider for more information.

  For the IMAP4 protocol, you can set whether or not the phone retrieves e-mails with attachments. You can also select the number of e-mail headers you want to retrieve.

- **Incoming Server**: enter the IP address or domain name of the server to be used for receiving messages. Your e-mail service provider can give you this information.
- **User ID**: enter your e-mail ID.
- **Password**: enter your e-mail password.
- **Outgoing Server**: enter the IP address or domain name of the server to be used for sending messages. Your e-mail service provider can give you this information.

Check Interval: you can select how often the phone checks the server for incoming messages.

Signature: you can attach your name, phone number, a simple memo, or a tag line as a signature to be attached to your e-mails.

Send Copy to Self: you can set whether or not your phone sends a copy of outgoing e-mails to your e-mail address.

Delivery Report: you can activate or deactivate the report function. When this function is activated, the network informs you as to whether or not your e-mail has been delivered.

Read Reply: you can set whether or not your phone sends a request for a reply along with your message to the recipient.

Server Delete: you can set whether or not your e-mails are deleted from the server after retrieval.

Blocking: you can set up the mail filter to block spam mails. You can select e-mail addresses or subjects.

Profile: you can select a connection profile to be used for sending and receiving e-mails.

Push Message

The following options are available:

Receive: you can select which push messages the phone receives or rejects from the WAP server. You can select **All** to receive all push messages or **None** not to receive any messages.

Black List: allows you to make a list of the URL addresses from which you don't want to receive push messages.

White List: allows you to make a list of the URL addresses from which you want to receive push messages.

Broadcast

The following options are available:

Receive: allows you to enable or disable the reception of broadcast messages.

Channel List: allows you to indicate the channels from which you wish to receive broadcast messages. The following options are available:

- **Select**: use to enable or disable channels on the list by marking or unmarking them, respectively. A check mark displays in front of each selected channel.
- **Add Channel**: use to enter the ID and title for a new channel.
- **Delete**: use to remove a channel from the list.
- **Edit**: use to change the ID and title of an existing channel.

Language: allows you to select the language in which to display cell broadcast messages.

Please contact your service provider for further details.

Checking Memory Status

You can the amount of memory available and remaining for storing messages.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Messaging** → **Memory Status**.
3. Select the message type you want.
   - **Text Message**: the display shows the number of SMS messages you have saved, or the total number of SMS messages you can save in the phone's memory and the SIM card, separately. On the bottom, you can see the number of messages stored in each message box by pressing the **Next** soft key.
   - **Multimedia Message**: the display shows the amount of memory currently in use and memory available for MMS messages, including the amount of memory currently in use in each message box.
   - **Email**: the display shows the amount of memory currently in use and memory available for e-mails, including the amount of memory currently in use in each message box.
4. When you have finished, press the key.

Deleting Messages

You can delete the messages in each message folder one by one, or all at once. You can also delete all of your messages at one time.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Messaging** → **Delete All**.

   You can also scroll to a message folder, press the **Options** soft key and select **Delete All**.
3. Select the message folder you want to empty.
4. Scroll to the message you want to delete and place a check mark by pressing the key. Repeat this step to select more messages.

   To delete all of the messages in the folder, select **All Messages**.
5. Press the **Delete** soft key.
6. When the phone asks if you want to include protected messages, press the key.

   If you don't want this, deselect the check box.
7. Press the **Yes** soft key or the key to confirm the deletion.
8. When you have finished, press the key.

Section 8: Settings

Topics Covered

- Changing Sound Settings
- Changing Display Settings
- Changing Phone Settings
- Changing Connection Settings
- Changing the Time and Date
- Changing Network Service Settings
- Changing Security Settings
- Resetting Settings

This section explains how to customize your phone to fit your needs and preferences.

Changing Sound Settings

You can customize the settings related to various sounds for the phone, such as the call ringer, key tone, power on/off tone, folder tone, and so on.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Settings** → **Sound Settings**.
3. Select a menu and then change the setting. If the menu has submenus, repeat this.

   For details of each menu, see the next sections.

Note: If Silent mode is active (see page 41), your phone will automatically deactivate the mode when you select an option.

---

4. When you have finished, press the key.

Ring Tone

This menu allows you to select a ring melody. You can choose between many different melodies and tones.

If you have downloaded sounds from the Internet or the EasyStudio II program, you can access them from this menu.

Note: You can access the web site preset by your service provider to download melodies by selecting **Shop Ringtones** in the **Sound Settings** or **MEdia Mall** menu. Once you have downloaded melodies, they are saved in the **Audio** folder. To access downloaded ring tones, see page 168.

Ring Volume

This menu allows you to adjust the ring volume to one of 5 levels.

Alert Type

This menu allows you to specify how you are to be informed of incoming calls. The following options are available:

Light Only: the service light flashes.

Melody: the phone rings using the ring melody selected in the **Ring Tone** menu.

Vibration: the phone vibrates but does not ring.

Vibration+Melody: the phone first vibrates three times and then starts ringing.

Keypad Tone

This menu allows you to select the tone that the phone sounds when you press a key. To turn the sound off, select **Off**.

Message Tone

This menu allows you to select how the phone informs you that a new SMS, MMS, or CB message has been received.

For each message tone, the following options are available:

Tone (dependant on the SIM card): you can select a message tone.

Mode: you can select a type of message alert.

- **Off**: the phone does not use the SMS tone.
- **Tone**: the phone sounds the selected message tone.
- **Vibration**: the phone vibrates.
- **Light Only**: the service light flashes.

Repetition: you can select how often the phone informs you of a new message.

- **Once**: the phone alerts you to a new message just once, at the time of its receipt.
- **Periodic**: the phone alerts you to a new message every 2 minutes until you open the message.

Folder Tone

This menu allows you to select the tone that the phone sounds when you open or close the phone. To turn the sound off, select **Off**.

Power On/Off

This menu allows you to select the melody that the phone sounds when it is switched on and off. To deactivate the sound, select **Off**.

Alerts on Call

This menu allows you to choose whether or not the phone sounds when you receive a new message or when the time for an alarm comes during a call.

Extra Tones

You can customize additional tones for the phone.

To turn a given tone	Press the
on	**On** soft key or the ⌘ key. A check mark displays in front of the option.
off	**Off** soft key or the ⌘ key. The check mark no longer displays.

The following options are available:

Error Tone: sets whether or not the phone informs you when you have made a mistake.

Minute Minder: sets whether or not the phone beeps every minute during an outgoing call to keep you informed of the length of your call.

Connect Tone: sets whether or not the phone beeps when your call is connected to the system.

Changing Display Settings

You can customize the settings for the displays and the lights.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Settings** → **Display Settings**.
3. Select a menu and then change the setting. If the menu has submenus, repeat this.

   For details of each menu, see the next sections.
4. When you have finished, press the key.

Wallpaper

This menu allows you to change the background image or change the settings for the text display in Idle mode.

The following options are available:

Wallpaper List: you can select a background image to be displayed on the idle screen.

1. Select a source image category, **Preinstalled Images** or **Downloaded Images**.
2. Scroll through the list by pressing the Up or Down key.

   You have various preset images available. You can also select a blank background or any images downloaded from the Internet and the EasyStudio II program, or received in messages.

   Once you have set a photo as wallpaper, it is designated as **My Photo** in the **Downloaded Images** option.
3. Select an image. The image displays.

4. You can scroll to other images by pressing the Up or Down key from the image preview screen.
5. When the image you want displays, press the **Select** soft key or ⁙ key to display it on the idle screen.

Note: You can access the web site preset by your service provider to download images by selecting **Shop Graphics** in the **Display Settings** or **MEdia Mall** menu. Once you have downloaded images, they are saved in the **Graphics** folder. To access downloaded images. See page 168.

Text Display: you can specify whether or not the phone displays the time and date on the idle screen.

Text Color: you can select the color of the text to be displayed on the idle screen. This option is available when the text display is enabled.

Front LCD Display

This menu allows you to change the settings for the external display.

The following options are available:

Display Type: you can select what the external display shows, the clock only, or the time and date in a digital or an analogue clock.

Light Timer: you can select the length of time the external display stays on when you close the phone.

Menu Style

This menu allows you to select the menu display style. You can choose either **Grid Style**, **Page Style**, or **Bar Style**.

Back Light

You can select the length of time the backlight stays on. The backlight turns on when you press a key, you open the phone, or you receive a call or message, and remains on for the specified length of time.

In the **Dim** option, you can select the length of time the phone is in Dimming mode, in which the backlight of the display dims for the specified length of time. To deactivate Dimming mode, select **Off**.

Service Light

The service light in front of the phone flashes at regular intervals to indicate when service is available on the phone.

Use the Dim option to select the length of time the backlight dims.

Graphic Logo

This menu allows you to display your service provider's logo instead of its name.

Changing Phone Settings

You can customize the settings for the phone system.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Settings** → **Phone Settings**.
3. Select a menu and then change the setting. If the menu has submenus, repeat this.

   For details of each menu, see the next sections.
4. When you have finished, press the key.

Greeting Message

This menu allows you to set a greeting to be displayed briefly when the phone is switched on.

For further details about how to enter characters, see page 56.

Language

You can select a display language. When the language option is set to **Automatic**, the language is automatically selected according to the language of the SIM card used.

Note: Depending on your country, service provider, or software version of the phone, the **Automatic** option may not display.

Short Cut

You can assign the Navigation keys to the menus you most often use. In Idle mode, they allow you to access specific menus directly.

To assign a shortcut to a key:

1. From the Phone Settings menu screen, select **Short Cut**.
2. Select one of the Navigation keys to be used as a shortcut key.
3. Select the menu to be assigned to the key.
4. Press the ⌘ key or the **Select** soft key.

Note: To deactivate a shortcut key, select the **None** option.

Extra Settings

You can turn the automatic redialing or answering features on or off.

To turn a feature	Press the
on	**On** soft key or the ⌘ key. A check mark displays in front of the option.
off	**Off** soft key or the ⌘ key. The check mark no longer displays.

The following options are available:

Auto Redial: when this option is checked, the phone makes up to ten attempts to redial a phone number after an unsuccessful call.

Note: The intervals between call attempts varies.

Active Folder: when this option is checked, you can simply open the phone to answer a call. When it is unchecked, you must open the phone and press a key to answer a call, depending on the setting of the **Anykey Answer** option. See below.

Anykey Answer: when this option is checked, you can answer an incoming call by pressing any key, except the key or the **Reject** soft key. To reject the call, press the key or the **Reject** soft key.

When this option is unchecked, you must press the key or **Accept** soft key to answer a call.

Changing Connection Settings

You can customize the profiles containing the settings for connecting your phone to the network. You need these settings to use the WAP browser or Instant Messenger, or to send MMS messages or e-mails, and to synchronize your PIM data.

Note: Your phone is suited for connecting to the network by default. If you change the MMS settings without first checking with your service provider, the WAP, MMS, and e-mail features may not work properly.

---

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Settings** → **Connection Settings**.
3. Select the profile you want to change.

   For each profile, the following options available:

   - **Profile Name**: enter a name that you wish to assign to the profile.
   - **Homepage URL**: enter the address of the WAP homepage of your service provider.
   - **Bearer**: select the network bearer type for data transmission, either **GPRS** or **Data**. The following options depend on this setting.

   When **Bearer** is set to **GPRS**.

   - **Proxy Setting**: enter the IP address of the proxy server.
   - **User Name**: enter the user ID required to connect to the network.

- **Password**: enter the password required to connect to the network.
- **APN**: enter the access point name used for the address of the network.
- **Proxy Status**: activate or deactivate the proxy server.
- **Primary DNS**: enter the primary DNS (Domain Name Server) address.
- **Secondary DNS**: enter the secondary DNS address.

When **Bearer** is set to **Data**.

- **Proxy Setting**: enter the IP address of the proxy server.
- **Login Name**: enter the user ID required to connect to the network.
- **Password**: enter the password required to connect to the network.
- **Data Call Type**: select a data call type, **Analog** or **ISDN**.
- **Proxy Status**: activate or deactivate the proxy server.
- **Primary DNS**: enter the primary DNS (Domain Name Server) address.
- **Secondary DNS**: enter the secondary DNS address.

For further details, contact your service provider.

4. When you have finished, press the key.

Changing the Time and Date

You can change the settings for the time and date display.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Settings** → **Time & Date**.
3. Select a menu and then change the setting. If the menu has submenus, repeat this.

   For details of each menu, see the next sections.
4. When you have finished, press the key.

Set Time

You can enter the current time. You can choose the time format in the **Time Format** menu. See the next page.

Note: Before setting the time, you must specify your time zone in the **World Time** menu.

Set Date

You can enter the month, day, and year.

World Time

You can find out what time it is another part of world and set your time zone.

Viewing the world time

Press the Left or Right key on the world map.

The screen shows the:

- selected city name.
- current time and date in the city.
- time difference between the selected city, and your city if you have set your home time zone (see the next section for further details).
- city selected as your time zone.

Selecting the Home Time Zone

1. From the world map, select the city corresponding to your time zone by pressing the Left or Right key.
2. Press the **Set** soft key or the ⌘ key.

Time Update

You can change the time format to **12 Hours** or **24 Hours.**

Auto Update

You can receive time information from your service provider's network.

Off: you need to manually set the time and date according to the current time zone using the **Set Time** menu.

On: the phone automatically updates the time and date according to the current time zone using the network service.

Confirm First: the phone asks for a confirmation before the update.

Note: Automatic updates of time and date do not change the time you have set for alarm settings or calendar memos.

Changing Network Service Settings

You can customize the settings for network features, such as call forwarding, call barring, call waiting, and network and band selection.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Settings** → **Network Services**.
3. Select a menu and then change the setting. If the menu has submenus, repeat this.

   For details of each menu, see the next sections.
4. When you have finished, press the key.

Call Forwarding

This network service enables incoming calls to be rerouted to a number that you specify.

Example: You may wish to forward your business calls to a colleague while you are on holiday.

Setting Call Forwarding Options

1. From the Network Services menu screen, select **Call Forwarding**.
2. Select one of the following call forwarding options.
   - **Forward Always**: all calls are forwarded.
   - **Busy**: calls are forwarded when you are already on another call.

- **No Reply**: calls are forwarded when you do not answer the phone.
- **Unreachable**: calls are forwarded when you are not in an area covered by your service provider or when your phone is switched off.
- **Cancel All**: all call forwarding options are canceled.

3. Select the type of calls, **Voice Calls** or **Data Calls**.

   The current status displays. If the option has already been set, the number to which the calls are forwarded displays.

4. Press the **Activate** soft key or the ⁙ key.

5. Enter the number to which the calls are to be forwarded and press the **OK** soft key or the ⁙ key.

   To enter an international code, press and hold the **0** key until the + sign displays.

6. If you selected **No Reply** in step 2, select the length of time the network delays before forwarding a call.

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

Changing the Phone Number for Call Forwarding

1. From the Network Services menu screen, select **Call Forwarding**.

2. Select one of the call forwarding options.

3. Select the type of calls, **Voice Calls** or **Data Calls**.

4. Press the **Options** soft key and select **Change**.

5. Enter the number to which the calls are to be forwarded.

   To enter an international code, press and hold the **0** key until the **+** sign displays.

6. Press the **OK** soft key or ⌘ key.

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

Deactivating Specific Call Forwarding Settings

1. From the Network Services menu screen, select **Call Forwarding**.
2. Select one of the call forwarding options.
3. Select the type of calls, **Voice Calls** or **Data Calls**.
4. Press the **Options** soft key and select **Remove**.

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

Call Barring

The call barring network service allows you to restrict your calls.

Setting Call Barring Options

1. From the Network Services menu screen, select **Call Barring**.
2. Select one of the following call barring options.
   - **All Outgoing**: calls cannot be made.
   - **International**: international calls cannot be made.

- **International Except to Home**: when abroad, calls can be made only to numbers within the current country and to your home country, which is the country where your home network provider is located.
- **All Incoming**: calls cannot be received.
- **Incoming While Abroad**: calls cannot be received when you are using your phone outside of your home country.
- **Cancel All**: all call barring settings are deactivated; calls can be made and received normally.
- **Change Barring Password**: you can set and change the call barring password obtained from your service provider. See page 130.

3. Select the type of calls, **Voice Calls** or **Data Calls**.
4. Press the **Activate** soft key or the ⌘ key.
5. Enter the call barring password supplied by your service provider.

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

Deactivating Specific Call Barring Settings

1. From the Network Services menu screen, select **Call Barring**.
2. Select the call barring option to be deactivated.
3. Select the type of calls to which this option applies.
4. Press the **Deactivate** soft key or the ⌘ key.

5. Enter the call barring password supplied by your service provider.

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

Changing the Barring Password

1. From the Network Services menu screen, select **Call Barring**.
2. Select **Change Barring Password**.
3. Enter the current password and press the **OK** soft key or the ⁙ key.
4. Enter a new password and press the **OK** soft key or the ⁙ key.
5. Enter the new password to confirm and press the **OK** soft key or the ⁙ key.

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

Call Waiting

This network service informs you when someone is trying to reach you during another call.

You can specify individual call waiting options for voice calls and/or data calls.

Setting Call Waiting Options

1. From the Network Services menu screen, select **Call Waiting**.

2. Select the type of calls, **Voice Calls** or **Data Calls**.

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

3. Press the **Activate** soft key or the ⤫ key to activate the call waiting feature.

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

Deactivating Call Waiting Settings

1. From the Network Services menu screen, select **Call Waiting**.
2. Select the type of calls, **Voice Calls** or **Data Calls**.
3. You can deactivate all Call Waiting settings by selecting the **Cancel All** option.
4. Press the **Deactivate** soft key or the ⤫ key.

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

Network Selection

The network selection feature enables you to either automatically or manually select the network used when roaming outside of your home area.

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

---

1. From the Network Services menu screen, select **Network Selection**.

2. Select the option you want.

   If you select **Automatic**, you are connected to the first available network when roaming.

   If you select **Manual**, go to step 3.

3. Select the network you want. The phone will scan for that network and you will be connected.

Caller ID

You can prevent your phone number from being displayed on the phone of the person being called.

Note: Some networks do not allow you to change this setting.

The following options are available:

Default: the default setting provided by the network is used.

Hide Number: your number does not display on the other person's phone.

Send Number: your number is sent each time you make a call.

Closed User Group

This network service allows incoming and outgoing calls to be restricted to a selected user group. You can create up to 10 user groups.

For details about how to create and use a closed user group, contact your service provider.

Example: A company lends SIM cards to its employees and wants to restrict outgoing calls to members of the same team.

When you select the **Closed User Group** menu, you enter the CUG function. You can now access the following options:

Index List: lets you list, add, or delete CUG index numbers.

If there is no CUG index stored, you are prompted to add a new index when you select this option. Once you have added a CUG index, the list of current CUG indexes appears.

Add a new CUG index as advised by your service provider, or delete a group.

To	Press the
scroll through existing CUG indexes	Up or Down key.
add a new CUG index	**Options** soft key or the ⁂ key, select the **Add** option, and enter the index.
delete a CUG index	**Options** soft key or the ⁂ key and select the **Delete** option.
activate a CUG index	**Options** soft key or the ⁂ key and select the **Activate** option.

Outside Access: lets you enable or disable calls to numbers other than those in the Closed user group. This feature depends on the nature of your CUG subscription. Please check with your service provider.

Default Group: you may set a default CUG with your service provider. If you have done so, you can enable the **Default Group** option on your phone. When making a call, you are given the option of using your default CUG, instead of selecting one from the list.

Deactivate: deactivates the CUG function. This menu appears only when the default group is enabled or a CUG index is selected.

Band Selection

For the phone to make and receive phone calls, it must register with an available network. Your phone can handle any of the following types of networks:

- GSM 1800
- GSM 850/1900

The country where you purchased your phone determines the default band that it uses. When you travel abroad, you must remember to change to an appropriate band.

1. From the Network Services menu screen, select **Band Selection**.
2. Select the appropriate option.
3. Press the **Yes** soft key or the ⌘ key to confirm the selected network band.

   To cancel the selection, press the **No** soft key.

When you select a new band, your phone displays a confirmation message and then automatically searches for all available networks. Your phone registers with a preferred network within the band.

Changing Security Settings

The security feature enables you to restrict the use of your phone by others and to restrict the types of calls made.

Various codes and passwords are used to protect the features of your phone.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Settings** → **Security**.
3. Select a menu and then change the setting. If the menu has submenus, repeat this.

   For details of each menu, see the next sections.
4. When you have finished, press the key.

PIN Check

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

Change PIN

This feature allows you to change your current PIN, provided that the PIN check feature is enabled.

Phone Lock

When the phone lock feature is enabled, the phone is locked and you must enter the 4- to 8-digit phone password each time the phone is switched on.

Note: The password is preset to “00000000” at the factory. To change the phone password, see the **Change Password** menu.

Change Password

The change password feature allows you to change your current phone password to a new one.

The password is preset to “00000000” at the factory.

Privacy

Using this menu, you can lock your media contents, such as MMS messages, e-mails, photos, video clips, recorded audio clips, and downloaded images and sound clips. Once you have locked the contents, you must enter the phone’s password to access the associated menus.

1. From the Security menu screen, select **Privacy**.
2. Scroll to an item to lock and press the ⁂ key to place or remove a check mark. Repeat this to select more items.

   To lock all contents, select **All**.
3. Press the **OK** soft key to lock the marked items.

4. When the phone asks for the password, enter the password and press the **OK** soft key or the ⁂ key.

Note: The password is preset to “00000000” at the factory. To change this password, see page 136.

SIM Lock

When the SIM lock feature is enabled, your phone only works with the current SIM card.

FDN Mode

FDN (Fixed Dial Number) mode, if supported by your SIM card, allows you to restrict your outgoing calls to a limited set of phone numbers stored in Address Book. To use this mode, you must enter your PIN2.

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

Change PIN2

The change PIN2 feature allows you to change your current PIN2 to a new one.

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

Resetting Settings

You can easily reset your phone to its default settings.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Settings** → **Reset Settings**.
3. Enter the 4- to 8-digit password and press the **OK** soft key or the ⌘ key.

Note: The password is preset to “00000000.” To change this password, see page 136.

---

4. When you have finished, press the key.

Section 9: Multimedia

Topics Covered

- Using the Camera
- Using the Recorder
- Playing Java Games

This section explains how to use multimedia files on your phone. You can take photos or record video clips using the built-in camera, record audio clips, and play Java games.

Using the Camera

Using the camera module in your phone, you can take photos of people or events while on the move. Additionally, you can send photos to other people as part of an MMS message, or set a wallpaper or caller ID image.

You can also record videos using your phone as a camcorder.

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

Taking Photos

Your camera produces JPEG photos.

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

Taking a Photo With the Phone Open

1. In Idle mode, press and hold the 📷 key to turn on the camera.

   You can also press the **Menu** soft key to access Menu mode and select **Multimedia** → **Camera** → **Take Photos**.

2. Adjust the image by aiming the camera at the subject.

   Press the left soft key to access the camera options. For details, see page 142.

   You can use the keypad to quickly change the camera options. For details, see page 144.

3. Press the key or the key to take the photo.

   The phone saves the photo in the Photo Album.

4.

To	Press the
use the photo options	**Options** soft key or the key. For details, see page 149.
delete the photo	**C** key
return to Capture mode	soft key.
return to Idle mode	key.

Using Camera Options

In Capture mode, you can access various camera options by pressing the left soft key.

The following options are available:

Shooting Mode: allows you to take a photo in various modes. Once you have changed the mode, the corresponding indicator appears at the top right of the display.

- **Single Shot**: allows you to take a photo. When you select **Take & Save**, the phone saves and displays the taken photo, and allows you to access options after taking a photo. When you select **Automatic Save**, the phone saves the photo and immediately returns to Capture mode after taking a photo.

- **Multi Shot**: allows you to take a series of action stills. Select the capture speed, **High** or **Normal**, and the number of photos the camera will take. When you press the 📷 or ✕ key, the camera takes photos successively. After taking the photos, press the **Save All** soft key to save all of the photos in a separate folder, or select the photo(s) you want and press the **Save** soft key.
- **Mosaic Shot**: allows you to take several stills and save them in a single frame. Select the type of frame you want. The images will be saved in the frame as a composite of the multiple stills taken.

Effects: allows you to change the color tone or apply a special effect to the photo.

Frames: allows you to apply a decorative frame. Select a frame from the list using the Navigation keys.

Flash: turns the flash on or off.

Timer: allows you to set a time delay before the camera takes the photo. Select the length of delay you want. When you press the 📷 or ✕ key, the timer starts and the camera takes the photo after the specified time.

Go to Photos: allows you to go to the **Photo Album** menu or **Video Album** menu. See page 149.

Settings: allows you to change the image settings. These settings are saved for subsequent shots.

- **Size**: allows you to set the image size to **640x480**, **320x240**, **176x160 (for Mobile)**, or **160x120**.
- **Quality**: allows you to select the image quality, **Super Fine**, **Fine**, **Normal**, or **Economy**.

- **Viewfinder Mode**: allows you to select the default view type of Capture mode. Select **Full Screen** to view an image on the full screen or **Economy** to view an image in actual ratio.
- **Shutter Sound**: allows you to select a tone for the shutter sound.

Short Cuts: shows the help screen to give you information for using the keys in Capture mode.

Using the Keypad in Capture Mode

You can use the following keys to change view or camera settings when you are in Capture mode:

Key	Function
^ / v	zooms in or out.
< / >	adjusts the image brightness.
▲	flips the image vertically.
▼	shows the mirror image.
1	switches to Record mode. See page 146.
2	changes the image size.
3	changes the image quality.
4	changes the camera shot mode.
5	changes the color tone or applies a special effect to the photo.
6	reduces the distortion on the image to maximize detail and sharpness.

Key	Function
7	selects a decorative frame.
8	sets a time delay.
9	switches to **Photo Album**. See page 149.
0	turns the flash on or off.
*	switches the display between Full Screen mode and Economy mode.

Taking a Photo or Recording a Video With the Phone Closed

1. With the phone closed, press and hold the 📷 key on the right of the phone.

   The image to be captured appears on the external display.

2. Adjust the image by aiming the camera at the subject.

   Press the ▼ key to scroll through the camera options. The following options are available:

   - Capture/Record mode: switches the Camera mode.
   - Verticality: flips the image vertically.
   - Brightness: changes the image brightness.
   - Zoom In/Out: zooms in or out.

   Press the ▲ key to change the settings for the selected camera option.

3. Press the 📷 key.

   Your phone automatically saves the photo or the video clip and returns to Capture mode.

Recording Videos

1. In Idle mode, press the **Menu** soft key to access Menu mode and select **Multimedia** → **Camera** → **Record Video**.
2. Adjust the image by aiming the camera at the subject.

   Press the left soft key to access the camera options. For details, see page 147.

   You can use the keypad to quickly change the camera options. For details, see page 148.
3. Press the ⤧ key to start recording.

   While recording, you can cancel by pressing the **Cancel** soft key or the **C** key.
4. When you have finished recording, press the ⤧ key or the **Stop** soft key. The video clip is saved and appears on the display.
5.

To	Press the
use the video options	**Options** soft key. For details, see page 150.
delete the video clip	**C** key
return to Record mode	↺ soft key.
return to Idle mode	key.

Using Camera Options for Video

In Record mode, you can use various options for the camera by pressing the left soft key.

The following options are available:

Effects: allows you to change the color tone or apply special effects to the video.

Flash: turns the flash on or off.

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 📷 or ⤧ key, the timer starts and the camera begins recording a video after the specified time.

Go to Videos: allows you to go to the **Video Album** menu. See page 149.

Settings: allows you to change the image settings. These settings are saved for subsequent recordings.

- **Recording Mode**: allows you to select a recording mode. Depending on the selected recording mode, the maximum file size of a video clip differs.

  Normal records video clips for saving. You can record video clips of up to about 1 hour.

  Limit for MMS records video clips for adding them to MMS messages or e-mails. You can record video clips of up to about 35 seconds, economy quality, in the 176×144 or 128×96 size.

- **Size**: allows you to set the image size to either **SubQCIF(128x96)** or **QCIF(176x144)**.

- **Video Quality**: allows you to select the image quality, **Super Fine**, **Fine**, **Normal**, and **Economy**.

Short Cuts: shows the help screen to give you information for using the keys in Record mode.

Using the Keypad in Record Mode

You can use the following keys to customize your camera settings when you are in Record mode:

Key	Function
^ / v	zooms in or out.
< / >	adjusts the image brightness.
▲	flips the image vertically.
▼	shows the mirror image.
1	switches to Capture mode. See page 141.
2	changes the image size.
3	changes the image quality.
4	changes the recording mode.
5	changes the color tone or applies a special effect to the video.
7	turns the audio on or off.
8	sets a time delay.
9	switches to **Video Album**. See page 150.
0	turns the flash on or off.
*	switches the display between Full Screen mode and Economy mode.

Viewing Photos

In Idle mode, press the **Menu** soft key and select **Multimedia** → **Camera** → **My Album** → **Photo Album**.

When you access this menu, your phone displays the list of photos, and you can view their thumbnail images.

To view a photo on the full screen, scroll to it and press the key. To go back to Thumbnail mode, press the soft key or **C** key.

Press the **Options** soft key to use the following options:

View: opens the photo on the full screen.

Display Mode: allows you to change the view mode to List view or Thumbnail view.

Send Via MMS: allows you to send the photo as part of an MMS message or e-mail. For further details, see page 81 and page 84, respectively.

Set As: allows you to set the photo as your wallpaper for the main display or the external display, or as a caller ID image for an entry in Address Book.

Delete: allows you to delete the photo(s).

Rename: allows you to change the name of the photo.

Move to Favorite Images:

Slide Show: allows you to select a time interval between each photo to display photos in a slide show.

Share: allows you to upload to an online photo album.

Protection: allows you to protect the photo from being deleted. Protected items are indicated by the icon on the list.

Properties: shows the properties of the photo.

Playing Videos

In Idle mode, press the **Menu** soft key and select **Multimedia** → **Camera** → **My Album** → **Video Album**.

When you access this menu, your phone displays the list of video clips, and you can view their thumbnail images. Scroll to a video clip and press the key to begin playing the clip.

To	Press the
pause/resume playback	key.
move backward	Left key.
move forward	Right key.
mute/unmute audio	left soft key
adjust the volume level	volume key
stop	right soft key.

Press the **Options** soft key to use the following options:

Play: plays the video clip on the full screen.

Display Mode: allows you to change the view mode to List view or Thumbnail view.

Send Via: allows you to send the video clip as part of an MMS message or e-mail. For further details, see page 81 and page 84, respectively.

Delete: allows you to delete the video clip.

Rename: allows you to change the name of the video clip.

Move to Favorite Videos:

Share: allows you to upload to an online photo album.

Protection: allows you to protect the video clip from being deleted. Protected items are indicated by the icon on the list.

Properties: shows the properties of the video clip.

Checking the Memory Status

You can check the amount of the memory currently in use and the memory remaining for the photo and video albums.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Multimedia** → **My Album** → **Memory Status**.

   The display shows the total amount of memory available for photos, and video clips, and the amount of memory currently in use in each album, separately.
3. When you have finished, press the key.

Deleting Photos and Video Clips

You can delete photos or videos clips one by one or all at once.

Deleting a Photo or Video Clip

1. From the Photo Album or Video Album, select the photo or video you want to delete.
2. Press the **Options** soft key and select **Delete**.
3. Choose **Selected**.

   To delete all the items in the current album, select **All**.
4. When you have finished, press the key.

Deleting all Photos and Video Clips

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Multimedia** → **Camera** → **Delete All**.
3. Scroll to the album you want to clear or place a check mark by pressing the **Mark** or **Unmark** soft key.

   To delete all of the items, select **All**.
4. Press the **Delete** soft key.

   A confirmation message appears.
5. Press the **Yes** soft key to confirm the deletion.
6. If you have selected **All**, the phone asks if you want to reset numbering for file names. Press the **Yes** or **No** soft key

   If you have selected an album, the items in the album are deleted, except for the protected ones.
7. When you have finished, press the key.

Using the Recorder

You can record audio clips. After recording, you can send the audio clip to other people via the Multimedia Message Service or E-mail Service.

Recording an Audio Clip

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Multimedia** → **Record Audio** → **Record**. The display shows a 30-second timer.
3. To start recording, press the **Record** soft key or the ⤧ key.
4. Record an audio clip by speaking into the microphone or playing a desired sound near the microphone.
5. When you press the **Stop** soft key or the ⤧ key, or when the recording time expires, the following options display:
   - **Replay**: plays back your recording.
   - **Re-record**: discards the recording and enables you to record another one.
   - **Save**: allows you to save the recording.
   - **Quit**: cancels your recording and exits the **Record** menu.
6. To save the audio clip, choose **Save**.
7. Press the **C** key to clear the default name, if necessary, and enter a name for the audio clip.

   For further details about how to enter characters, see page 56.

8. Press the **OK** soft key or the key.

   The audio clip is saved and then the display shows information about the clip.

   You can press the **Options** soft key or the key to access the following options:

   - **Send**: allows you to send the audio clip to other people as part of an MMS message or e-mail. For further details, see page 81 and page 84, respectively.
   - **Rename**: allows you to change the name of the audio clip.
   - **Delete**: allows you to delete the audio clip.

9. When you have finished, press the key.

Reviewing Audio Clips

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Multimedia** → **Record Audio** → **Audio List**.
3. Scroll to an audio clip and press the **Options** soft key or the key. The following options are available:
   - **Play**: plays the audio clip.
   - **Send**: allows you to send the audio clip to other people as part of an MMS message or e-mail. For further details, see page 81 and page 84, respectively.
   - **Rename**: allows you to change the name of the audio clip.
   - **Information**: displays information about the audio clip.
   - **Delete**: allows you to delete the audio clip.

4. Select **Play** to review the audio clip.

   After playback, the displays returns to the audio list.

5. When you have finished, press the key.

Deleting Audio Clips

You can delete your audio clips one by one or all at one time.

Deleting an Audio Clip

1. Access the audio list (see page 154) and scroll to the audio clip you want to delete.
2. Press the **Options** soft key or the key and then select **Delete**.
3. Press the **OK** soft key or the key to confirm the deletion.
4. When you have finished, press the key.

Deleting all Audio Clips

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Multimedia** → **Record Audio** → **Delete All**.
3. Press the **OK** soft key or the key to confirm the deletion.
4. When you have finished, press the key.

Checking the Memory Status

You can check the amount of the memory currently in use and the memory remaining for the camera and recorder.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Multimedia** → **Memory Status**.

   The display shows the total amount of memory available for photos, and video clips, or audio clips, and the amount of memory currently in use in each album and the audio list, separately.
3. When you have finished, press the key.

Playing Java Games

Using the **Games** menu, you can download MIDlets (Java applications that run on mobile phones) from various sources using the WAP Browser and enjoy them on your phone. When you access the **Games** menu, the list of the default games appears.

Note: Java services may not be available, depending upon your service provider.

Launching a Game

Note: The procedure described below is for the default games. For downloaded games, the procedure may be different.

---

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Games** and select the game you want to play.

   For some games, you need to press a key (any key) to access the game options.
3. Select **START** or **New Game** to launch the game and follow the instructions on the screen.
4. While you are playing a game:

To	Press the
adjust the volume	Volume keys.
stop the game and return to the startup screen	**C** key.

5. When you have finished, press the key.
6. Press the **Yes** soft key to confirm the exit.

Downloading New Games

You can buy and download games from the web site preset by your service provider.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Games** → **Shop Games**.

   You are sent to the preset web site.
3. Find the game you want and follow the instructions on the screen to buy the game.

Once you have downloaded games, they are added to the Games list.

Viewing Properties of a Game

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Games** and scroll to the game you want.
3. Press the **Options** soft key and select **Properties**.

   The displays shows the game information, such as the file size, application version, its vendor, and Java VM version.
4. Press the Up or Down key to scroll through the information.
5. When you have finished, press the key.

Checking the Memory Status

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Games** and scroll to the game you want.
3. Press the **Options** soft key and select **Memory Status**.

   The display shows the total amount of memory available for games and the amount of memory currently in use and free. You will also see the number of games you have downloaded.
4. When you have finished, press the key.

Deleting Games

You can delete downloaded games one by one or all at one time.

Deleting a Game

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Games** and scroll to the game you want to delete.
3. Press the **Options** soft key and select **Delete**.
4. Press the **Yes** soft key or the key to confirm the deletion.
5. When you have finished, press the key.

Deleting all Games

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Games**.
3. Press the **Options** soft key and select **Delete All**.
4. Press the **Yes** soft key or the key to confirm the deletion.
5. When you have finished, press the key.

Section 10: WAP

Topics Covered

- Launching the WAP Browser
- Accessing a WAP site
- Navigating the WAP Browser
- Using Favorites
- Downloading Media Content
- Clearing the Cache
- Changing the Profile for Accessing the WAP

Your phone is equipped with a WAP (Wireless Application Protocol) browser which allows you to access Internet service specified for mobile phones. This section explains how to access the WAP services of your service provider and navigate the WAP browser.

Launching the WAP Browser

1. In Idle mode, press the key to launch the WAP browser.

   You can also press the Menu soft key to access Menu mode and select **My MEdia** → **MEdia Net** → **MEdia Net Home**.

   Your phone connects to the network and loads the homepage of the Wireless Web service provider. The content of the startup homepage depends on your Wireless Web service provider.

2. To scroll through the screen, use the Up and Down keys.

   For further details about navigation, see the next section.

3. To exit the browser at any time, simply press the key or press and hold the key.

Accessing a WAP site

There are several ways to access a WAP site:

- Selecting a link on the browser
- Using a bookmark item in the **Favorites** folder; use the **Favorites** option on the browser menu list (see page 165) or the **Favorites Bookmark** menu (see page 166)
- Entering a URL address manually; use the **Goto URL** option on the browser menu list (see page 165) or the **http://** menu (in Menu mode, select **My MEdia** → **MEdia Net** → **http://**)

Navigating the WAP Browser

To	Press the
scroll through browser items	Up or Down key.
select a browser item	⤧ key, or press the **Options** soft key and choose **Select**.
select a numbered item	corresponding numeric key.
return to the previous page	**C** key, or press the **Options** soft key and choose **Back**.
access the browser menu list	**Menu** soft key. For further details about the options, see page 165.
return to the startup homepage	**Menu** soft key and select the **Home** option.

Entering Text in the WAP Browser

When you are prompted to enter text, the currently active text input mode is indicated on the screen. To change the text input mode, press the ⤧ key one or more times.

The following modes are available:

Upper-case Character Mode (**A**): allows you to enter upper-case English characters.

Lower-case Character Mode (**a**): allows you to enter lower-case English characters.

Note: You can enter symbols in upper- or lower-case character mode by pressing the **1** key.

T9 Mode (**T9**): allows you to enter English characters by pressing one key per letter. In this mode, you can use only the **0** key to display alternative words. To change case, press the ✱ key.

Number Mode (**1**): allows you to enter numbers.

Selecting and Using Menu Options

Various menus are available when you are using the WAP Browser to navigate the Wireless Web.

To access a menu option, press the **Menu** soft key. A menu list displays.

Note: The menus may vary, depending on your version of the WAP Browser.

The following options are available:

Favorites: shows the bookmarks list. You can bookmark the current page or access previously bookmarked pages.

Reload: reloads the current page.

Home: takes you back at any time to the homepage of the Wireless Web service provider.

Goto URL: allows you to manually enter the URL address of a WAP site. After entering an address, press the **OK** soft key to go there directly.

Show URL: displays the URL address of the page to which you are currently connected. It also enables you to set the current site as the startup homepage.

Clear Cache: deletes the information stored in the cache. The cache stores the most recently accessed pages.

Inbox: allows you to read messages received from a WAP server.

Show Images: shows the image on the current page. Press the **Next** soft key to view the next images.

Text message: allows you to send an SMS message.

Certificates: shows the certificates downloaded via SSL (Secure Sockets Layer) protocol.

Using Favorites

While navigating the WAP browser, you can bookmark a site to quickly and easily access it at a future time. The URL addresses of the bookmarked sites are stored in the **Favorites Bookmark** folder.

Storing a URL Address

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **My MEdia** → **MEdia Net** → **Favorites Bookmark**.
3. Select an empty location.
4. Enter the address and press the **Enter** soft key or the key.

   For further details about how to enter characters, see page 56.
5. Enter a name for the bookmark and press the **Enter** soft key or the key.
6. When you have finished, press the key.

Accessing a WAP Site Using Favorites

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **My MEdia** → **MEdia Net** → **Favorites Bookmark**.
3. Select a bookmark item on the Favorite list.
4. Select **Goto URL**. You are sent to the corresponding WAP site.

Editing a Bookmark

1. From the Favorite list, select the bookmark you want to change.
2. Select **Edit**.
3. Change the address and the name, as you would when storing a new one.
4. When you have finished, press the key.

Deleting a Bookmark

1. From the Favorite list, select the bookmark you want to delete.
2. Select **Delete**.
3. Press the **Yes** soft key or the key to confirm the deletion.
4. When you have finished, press the key.

Downloading Media Content

You can buy a variety of multimedia files, such as ring tones, graphics, applications, MMS contents, and so on, using the WAP browser and download them to your phone's memory. Your phone has embedded links to WAP sites providing you with download services, preset by your service provider.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **MEdia Mall** → **Shop Ringtones**, **Shop Games**, **Shop Graphics**, **Shop Multimedia**, or **Shop Applications**, depending on the type of item(s) you want to buy.

   To access the homepage of the online shopping mall, select **MEdia Home**.
3. Find the item you want to download and follow the instructions on the screen to buy it.

Note: This content is delivered to you in MMS messages. You can retrieve the messages from the server and then save the items in your phone's memory. You cannot forward these messages to other people or add the saved items to an MMS message.

Using Downloaded Media Content

Once you have downloaded media content from the Wireless Web, it is automatically saved in the folder corresponding to the downloaded file type. You can access these items from the **My MEdia** menu.

1. In Idle mode, press the **Menu** soft key to access the Menu mode.

2. Select **My MEdia** → **Audio** or **Graphics**, depending on the type of item(s) you want to access.
3. Select the item you want to access from the list.

Note: **Shop Ringtones** or **Shop Graphics** allows you to access the preset web site to download more items.

While reviewing the item, you can access the following options by pressing the **Options** soft key:

Rename: allows you to change the name of the item.

Delete: allows you delete the item.

Set as Wallpaper: sets the image as wallpaper for the idle screen. This option is shown in the **Graphics** folder.

Set as Ringtone: sets the sound as your call ringer. This option is shown in the **Audio** folder.

Properties: shows information about the item.

Deleting All Downloaded Media Content

You can clear media content folders one by one or all at one time.

1. In Idle mode, press the **Menu** soft key to access the Menu mode.
2. Select **My MEdia** → **Delete All**.
3. Select a media folder you want to clear. To clear all folders, select **All**.
4. Press the **Delete** soft key.

5. Press the **OK** soft key to confirm the deletion.
6. Press the **OK** soft key to confirm the deletion again.
7. When you have finished, press the key.

Clearing the Cache

The cache is the phone's temporary memory in which the most recently accessed WAP pages are stored. You should clear the cache if you have accessed or have tried to access confidential information.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **My MEdia** → **MEdia Net** → **Clear Cache**.
3. Press the **Yes** soft key or the key to confirm the deletion.
4. When you have finished, press the key.

Changing the Profile for Accessing the WAP

You can change the connection profile to be used for accessing the WAP browser.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **My MEdia** → **MEdia Net** → **Settings**.
3. Select a connection profile.

Note: For details about setting up a profile, see page 121.

---

4. When you have finished, press the key.

Section 11: Personal Assistant

Topics Covered

- Using the Calendar
- Using the To Do List
- Setting Alarms
- Using the Calculator
- Using the Currency Convertor
- Synchronizing PIM Data

This section explains how to use your phone's PIM (Personal Information Management) applications, such as Alarm, Calendar, To Do List, Calculator, and Currency Convertor. You can also synchronize your PIM data or your phone's network settings with the remote server or a PC.

Using the Calendar

With the Calendar feature, you can:

- write memos to keep track of your schedule.
- consult the calendar and check your memos.
- set alarms to act as reminders.

Writing a Memo

You can create up to 100 memos for the calendar. More than one memo can be written for one day.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Applications** → **Calendar**. The calendar displays with today's day highlighted in blue.
3. Scroll to a date on the calendar by pressing the Navigation keys and press the ⁙ key.

   Alternatively, press the **Options** soft key and select **Go to Date**. You can manually enter a specific date and press the **OK** soft key or the ⁙ key.

Note: To skip to the previous or next month, press the Volume keys on the left side of the phone.

   The New Memo screen displays allowing you to enter your memo. If there is a memo already set, you need to press the **New** soft key.

4. Enter your memo and then press the **OK** soft key or the ⁙ key.

   For further details about how to enter characters, see page 56.

5. If you want an alarm to ring on the chosen day, press the **Yes** soft key or the ⁂ key. Continue to the next step.

   Otherwise, press the **No** soft key. The memo is saved.

6. Enter the time for the alarm and press the ⁂ key.

Note: Your phone is preset to a 12-hour format. To change the format, see page 124.

   You can also select the melody for the alarm by pressing the **Melody** soft key.

7. If applicable, select **AM** or **PM**.

   The color of the date on the calendar changes to green to indicate that a memo exists for that date.

8. When you have finished, press the key.

If you have set the alarm to ring in step 5, the phone plays the selected alarm melody when the time for the memo comes. Press the **View** soft key or the ⁂ key to access the memo. Alternatively, press the **Exit** soft key or the key to stop the alarm.

Consulting the Calendar

Viewing Memos on a Selected Date

1. In Idle mode, press the **Menu** soft key to access Menu mode.

2. Select **Applications** → **Calendar**.

3. Select the date for which you have entered the memo(s) you want to view.

   If there is more than one memo for that date, the latest memo displays.

4. Press the Up or Down key to scroll to the previous or next memo.

   If you want to make a new memo for that date, press the **New** soft key.

   You can use the memo options. For details, see “Using the Memo Options.”

5. When you have finished, press the key.

Viewing All of the Memos on the Calendar

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Applications** → **Calendar**.
3. Press the **Options** soft key and select **Search All**.
4. Press the Up or Down key to scroll through the memos.

   For details about memo options, see “Using the Memo Options.”

5. When you have finished, press the key.

Using the Memo Options

From the memo detail view, you can access the memo options by pressing the **Options** soft key.

- **Edit**: allows you to change the memo text.
- **Alarm**: allows you to set an alarm to ring at a specified time to remind you of the memo. If you have already set an alarm for that memo, you can change or delete the alarm.
- **Delete**: allows you to delete the memo.
- **Copy to**: allows you to copy the memo to another date.
- **Move to**: allows you to change the date of the memo.

Deleting Memos

You can delete memos on the calendar one by one or all at one time.

Deleting a Memo

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Applications** → **Calendar**.
3. Select the date on which the memo you want to delete is stored.
4. If there is more than one memo for that date, find the memo you want.
5. Press the **Options** soft key and select **Delete**.
6. Press the **OK** soft key to confirm the deletion.
7. When you have finished, press the key.

Deleting All Memos

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Applications** → **Calendar**.
3. Press the **Options** soft key and select **Delete All**.
4. Press the **OK** soft key to confirm the deletion.
5. Press the **OK** soft key to confirm the deletion again.
6. When you have finished, press the key.

Using the To Do List

To Do List allows you to:

- enter a list of tasks to be done.
- assign priorities and deadlines to the tasks.
- sort the tasks by priority and status.

Creating the To Do List

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Applications** → **To Do List**.
3. Press the **New** soft key or the key.
4. Enter the first task.

   For further details about how to enter characters, see page 56.
5. Press the **OK** soft key or the key.
6. Select a priority level of high, normal, or low.
7. Enter your deadline and press the **OK** soft key or the key.

   If you don't want to set a deadline, press the **Skip** soft key.
8. When you have finished, press the key.

Adding Tasks to the To Do List

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Applications** → **To Do List**.
3. Press the **Options** soft key and select **New**.
4. Follow from step 4 on page 177 to add a task.

Viewing the To Do List

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Applications** → **To Do List**.

   The tasks display with a check mark if the task has been done, and a priority level indicator; for High, for Normal, and for Low.

Note: You can change the status of a specific task by pressing the * key. The task is marked as completed as of the current time and date.

---

3. Scroll to a task from the list and press the key to view the details for the task.

   You can access the To Do List options by pressing the **Options** soft key. For details, see page 179.
4. You can scroll through the tasks using the Up and Down keys, if necessary.
5. When you have finished, press the key.

Using To Do List Options

From the To Do List detail view, you can access the following options by pressing the **Options** soft key:

New: allows you to create a new task.

Mark: allows you to change the status of a task. Select the appropriate status (**Done** or **Undo**).

Edit: allows you to edit a task. You can change the text, priority, and/or deadline for the task.

Sort: allows you to sort the existing tasks by priority or status. Select the sort criterion (**High**, **Low**, **Done**, or **Undo**).

Copy: allows you to copy a task.

Copy to Calendar: allows you to copy a task to the calendar as a memo. You can also change the text and deadline for the task and/or set an alarm.

Delete: deletes a task.

Delete All: allows you to delete all tasks.

Send VTodo: allows you to send the task to another phone as part of an SMS message.

Exit: exits the **To Do List** menu.

Setting Alarms

You can set an alarm to ring at a specific time. You can also set the phone to switch on automatically and sound the alarm even if the phone is switched off when the time comes.

Setting an Alarm

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Applications** → **Alarm**.
3. Select an alarm type.
   - **Single Use Alarm**: the alarm rings only once and is then deactivated.
   - **Daily Alarm**: the alarm rings every day at the same time.
   - **Wake-up Call**: the alarm rings to wake you up in the morning.
4. Enter the time for the alarm to sound.

Note: Your phone is preset to a 12-hour format. To change the format, see page 124.

To change the alarm tone, press the **Options** soft key and select **Alarm Tone**. Select an alarm tone from the list.

5. Press the **OK** soft key or the ⤫ key.
6. If applicable, select **AM** or **PM**.
7. If you selected **Wake-up Call** in step 3, select a repeat option, **Monday to Friday** or **Monday to Saturday**.

8. When you have finished, press the key.

When the time for an alarm comes, press any key to stop the alarm.

Setting Autopower Alarms

You can set the phone to sound the alarm when the time for an alarm comes, even if the phone is switched off.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Applications** → **Alarm** → **Autopower**.
3. Select **Enable** to activate the autopower feature. The phone will automatically switch on to sound the alarm when the alarm time comes.

   If the menu option is set to **Disable** and the phone is switched off at the specified time, the alarm will not sound.
4. When you have finished, press the key.

Deactivating Alarms

You can deactivate set alarms one by one or all at one time.

Deactivating an Alarm

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Applications** → **Alarm**.
3. Select the alarm you want to remove.

4. Press the **Options** soft key and select **Remove Alarm**.
5. When you have finished, press the key.

Deactivating All Alarms

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Applications** → **Alarm** → **Remove Alarm**.
3. Press the **OK** soft key or the key to confirm the deactivation.
4. When you have finished, press the key.

Using the Calculator

You can use the phone as a calculator. The calculator provides basic arithmetic functions: addition, subtraction, multiplication, and division.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Applications** → **Calculator**.
3. Enter the first number using the numeric keys.

Notes:
- To insert a decimal point or a bracket, press the left soft key until the symbol you want displays.
- To move the cursor, press the * or # key.

---

4. Enter the operation for your calculation by pressing the Navigation keys, according to the illustration on the display.
5. Enter the second number.
6. Repeat steps 4 and 5 as many times as required.
7. To view the result, press the key.
8. When you have finished, press the key.

Using the Currency Convertor

You can do currency conversions.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Applications** → **Currency Exchange**.
3. Enter the current exchange rate of your source currency to the foreign currency and press the **OK** soft key or the ⁂ key.

   You can insert a decimal point by pressing the # key.
4. Enter the amount of your source currency you want to convert and press the **OK** soft key or the ⁂ key.

   The amount you entered and its equivalent value in the foreign currency display.
5. When you have finished, press the key.

Synchronizing PIM Data

You can synchronize personal information stored in Address Book, Calendar, and To Do List with corresponding PC applications by using the EasyStudio II program supplied with your phone. You can also synchronize with the remote server over a network connection.

Starting Synchronization

1. If you are trying to synchronize your phone with your PC, make sure that your PC has the EasyStudio II program installed and the phone and the PC are connected by a USB cable.
2. In Idle mode, press the **Menu** soft key to access Menu mode.
3. Select **Applications** → **PIM Sync** → **Start Sync**. The synchronization begins.

Viewing Synchronization Log

You can view the last synchronization and its result for each application: Address Book, Calendar, and To do List.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Applications** → **PIM Sync** → **View Result**.

3. Press the **Next** soft key to view the sync result for the application you want.

   The displays shows the date the synchronization was performed, the duration, the result, and the number of items added, replaced, or deleted.

4. When you have finished, press the key.

Changing Synchronization Settings

You can configure synchronization settings and then just select a setting group to be used for synchronization.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Applications** → **PIM Sync** → **Sync Settings**.
3. Select a sync setting group.

   The following options are available:

   - **Name**: allows you to enter the name of the setting group.
   - **Category**: allows you to select the application(s) you want to synchronize. Select **All** to synchronize all of the items in each application.
   - **Type**: allows you to select the synchronization type, either **Normal Sync** or **Recovery Sync**.

     Normal Sync: the phone and PC/remote server exchange only newly added, changed, or deleted data.

     Recovery Sync: the phone sends all of its data to the PC/remote server and the PC/remote server sends only data that the phone does not contain.

- **Protocol**: allows you to select the terminal you want to synchronize the phone with, either the network or a PC.
- **Server**: allows you to set up the remote server to be synchronized with your phone. The following options are available:

  URL: enter the URL address of the remote server.

  Sync DB: enter the database path for each application on the server. For details, contact your remote server provider.

  User ID: enter the user ID for connecting to the server.

  Password: enter the password.

4. When you have finished, press the key.

Changing the Profile for Synchronization

For synchronization with the remote server, you need to select a profile to be used for a network connection.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Applications** → **PIM Sync** → **Profile**.
3. Select a connection profile.

Note: For details about setting up a profile, see page 121.

---

4. When you have finished, press the key.

Managing Your Phone

You can synchronize your phone with the remote server of your service provider or your PC to configure your phone's various settings or update the phone's firmware.

Starting Synchronization for Your Phone's Configuration

1. If you are trying to synchronize your phone with your PC, make sure that the phone and the PC are connected by the USB cable.
2. In Idle mode, press the **Menu** soft key to access Menu mode.
3. Select **Applications** → **Device Management** → **Start DM**.

   A connection between your phone and the PC or remote server is established and configuration begins.

Changing Device Management Settings

1. In Idle mode, press the Menu soft key to access Menu mode.
2. Select **Applications** → **Device Management** → **DM Settings**.
3. Select a DM setting group.

   The following options are available:

   - **Name**: allows you to enter the name of the setting group.
   - **Protocol**: allows you to select the terminal with which you want to synchronize the phone, either the network or a PC.

- **Server**: allows you to set up the remote server to be synchronized with your phone. The following options are available:

  URL: enter the URL address of the remote server.

  User ID: enter the user ID for connecting to the server.

  Password: enter the password.

4. When you have finished, press the key.

Changing the Profile for Synchronization

For performing a server synchronization, you need to select a profile for a network connection.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Applications** → **Device Management** → **Profile**.
3. Select a connection profile.

Note: For details about setting up a profile, see page 121.

---

4. When you have finished, press the key.

Section 12: Additional Information

Topics Covered

- Accessories
- Access Codes

This section give you information on accessories available for your phone and various access codes which can be used to protect your phone from unauthorized use.

Accessories

You can buy the following accessories from your local Samsung dealer.

Standard/Extended Battery

The Li-ion 80/1000 mAh battery provides up to ?? hours of continuous talk time or up to ?? hours of continuos standby time.

Travel Adapter

The compact and lightweight travel adapter gives you a convenient way to charge your phone while on the road.

Battery Charger

The battery charger charges the battery alone. If you have an extra battery, you can charge it without the phone.

Simple Handsfree Car Kit

This allows you to operate your phone hands-free so that you can drive safely. The Simple Handsfree car kit contains a car cradle, a car charger, and a straight headset.

Car Charger

This charger allows you to connect your phone to the cigarette lighter of your car to charge the phone using your car's battery.

Car Cradle

The car cradle holds your phone safely while you are driving.

Straight Headset

The straight headset allows you to make or receive a call without holding your phone, while you are on the walk or driving. Also, you can enjoy music in public places without annoying other people.

PC Link CD

This CD-ROM contains the EasyStudio II program, which allows you to manage your personal information, such as Address Book, Schedule, or To Do List, synchronize these data with your phone's corresponding applications, and download multimedia files like ring tones, and images, to the phone.

PC Data Cable

This cable connects your phone to a PC via a USB port.

PC Link Kit

The PC Link Kit contains a PC link CD and a PC cable.

Access Codes

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

When requested for any of the codes explained below, enter the appropriate code (displayed as asterisks) and press the **OK** soft key or the * key. If you make a mistake, press the **C** key until the incorrect digit is cleared and then continue entering the correct code.

The access codes, except for the PUK and PUK2 codes can be changed using the **Security** menu. See page 135 for further details.

Important!
Avoid using access codes resembling emergency numbers, such as 911, to prevent accidental dialing of an emergency number.

Phone Password

The phone lock feature uses the phone password to protect your phone against unauthorized use. The phone password is supplied with the phone and is preset to “00000000” at the factory.

To	See
activate/deactivate the phone lock feature	page 136.
change the phone password	page 136.

PIN

The Personal Identification Number or PIN (4 to 8 digits) protects your SIM card against unauthorized use. It is usually supplied with the SIM card.

If you enter an incorrect PIN three times in succession, the code is disabled and cannot be used until you re-enable it by entering the PUK. See below.

To	See
activate/deactivate the PIN check feature	page 135.
change the PIN	page 135.

PUK

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

To re-enable your PIN:

1. Enter the PUK and press the **OK** soft key or the ⁂ key.
2. Enter a PIN of your choice and press the **OK** soft key or the ⁂ key.
3. When the **Confirm New PIN** message displays, enter the same code again and press the **OK** soft key or the ⁂ key.

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

PIN2

The PIN2 (4 to 8 digits), supplied with some SIM cards, is required to access specific functions, such as setting the maximum cost of a call. These functions are available if supported by your SIM card.

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

To change the PIN2, see page 137.

PUK2

The 8-digit PUK2 (PIN Unblocking Key 2), supplied with some SIM cards, is required to change a disabled PIN2. If you lose the code, contact your service provider.

To re-enable your PIN2:

1. Enter the PUK2 and press the **OK** soft key or the ⁂ key.
2. Enter a new PIN2 of your choice and press the **OK** soft key or the ⁂ key.
3. When the **Confirm PIN2** message displays, enter the same code again and press the **OK** soft key or the ⁂ key.

When you enter an incorrect PUK2 ten times in succession, you are not able to access the functions requiring the PIN2. Contact your service provider for a new card.

Barring Password

A 4-digit barring password is required when you use the Call Barring function. You can obtain the password from your service provider when you subscribe to this function.

You can change this password in the **Call Barring** menu. See page 128 for further details.

Note: The Call Barring function may not be available depending on your particular SIM card.

Section 13: Health and Safety Information

Topics Covered

- Exposure to Radio Frequency (RF) Signals
- For Body Operation
- Precautions When Using Batteries
- Road Safety
- Operating Environment
- Electronic Devices
- Potentially Explosive Environments
- Emergency Calls
- Other Important Safety Information
- Care and Maintenance
- Acknowledging Special Precautions and the FCC and Industry Canada Notice

This section give you important information on your health and safety while using your mobile phone.

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 through 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

---

* 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.

network. In 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 to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. 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. The maximum SAR values for this model phone as reported to the FCC are:

- Head : GSM850:0.681 W/kg., PCS:0.802 W/kg.
- Body-worn : GSM850:0.774 W/kg., PCS:0.629 W/kg.

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 A3LSGHP207.

For Body Operation

To maintain compliance with FCC RF exposure requirements, use only belt-clips, holsters or similar accessories that maintain a 1.5 cm. separation distance between the user's body and the back of the phone, including the antenna. The use of belt-clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

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. Short-circuiting 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.

Road Safety

Your wireless phone gives you the powerful ability to communicate by voice, almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When driving a car, driving is your first responsibility. When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

- Get to know your wireless phone and its features, such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.
- When available, use a hands-free device. If possible, add an extra layer of convenience and safety to your wireless phone with one of the many hands-free accessories available today.
- Position your wireless phone within easy reach. Be able to access your wireless phone without removing your eyes from the road. If you get an incoming call at an inconvenient time, let your voice mail answer it for you.

- Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice, and even heavy traffic can be hazardous.
- Do not take notes or look up phone numbers while driving. Jotting down a To Do list or flipping through your Address Book takes your attention away from your primary responsibility, driving safely.
- Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.
- Do not engage in stressful or emotional conversations that may be distracting. Make the people with whom you are talking aware that you are driving and suspend conversations that have the potential to divert your attention from the road.
- Use your wireless phone to call for help. Dial the emergency number in the case of fire, traffic accident or medical emergencies. Remember, it is a free call on your wireless phone!
- Use your wireless phone to help others in emergencies. If you see a car accident, crime in progress or other serious emergency where lives are in danger, call the emergency number, as you would want others to do for you.
- 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 any other special non-emergency wireless number.

Operating Environment

Remember to follow any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference 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 off your phone 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 off your phone in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch off your phone in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch off your phone 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 off the phone while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include 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 end 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 that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch off your phone before boarding an aircraft. The use of wireless phones in aircraft is illegal and may be dangerous to the aircraft's operation.
- Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Care and Maintenance

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

- Keep the phone and all its parts and accessories out of the reach of small children's.
- Keep the phone dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not use the phone with a wet hand. Doing so may cause an electric shock to you or damage to the phone.
- Do not use or store the phone in dusty, dirty areas, as its moving parts may be damaged.
- Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the phone in cold areas. When the phone warms up to its normal operating temperature, moisture can form inside the phone, which may damage the phone's electronic circuit boards.
- Do not drop, knock or shake the phone. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.
- Do not paint the phone. Paint can clog the device's moving parts and prevent proper operation.

- Do not put the phone in or on heating devices, such as a microwave oven, a stove or a radiator. The phone may explode when overheated.
- 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.

Acknowledging Special Precautions and the FCC and Industry Canada Notice

Cautions

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

FCC Compliance Information

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received.

Including interference that may cause undesired operation.

Information to User

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

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

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

Appendix A: CERTIFICATION INFORMATION (SAR)

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

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

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR limit set by the FCC is 1.6 W/kg. SAR Tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the 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 Head: 0.681W/kg, Body-worn: 0.774W/kg in GSM 850 and Head: 0.802W/kg, Body-worn: 0.629W/kg in GSM 1900.

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

A3LSGHP207.

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 ma gin of safety to give additional protection for the public and to account for any variations in measurements.

Appendix B: Guide to 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 THE U.S. 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, 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 address book 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 educational outreach 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, gioma, 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 TELECOMMUNICATIONS AMERICA, L.P. (SAMSUNG) warrants to the original purchaser ("Purchaser") that SAMSUNG's Phones and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase and continuing for the following specified period of time after that date:

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

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

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

What are SAMSUNG's Obligations? During the applicable warranty period, SAMSUNG will repair or replace, at SAMSUNG's sole option, without charge to Purchaser, any defective component part of Product. To obtain service under this Limited Warranty, Purchaser must return Product to an authorized phone service facility in an adequate container for shipping, accompanied by Purchaser's sales receipt or comparable substitute proof of sale showing the date of purchase, the serial number of Product and the sellers' name and address. To obtain assistance on where to deliver the Product, call Samsung Customer Care at 1-888-987-4357. Upon receipt, SAMSUNG will promptly repair or replace the defective Product. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product or replace Product with a rebuilt, reconditioned or new Product. Repaired/replaced leather cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Product will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for 90 days, whichever is longer. All replaced parts, components, boards and equipment shall become the property of SAMSUNG. If SAMSUNG determines that any Product is not covered by this Limited Warranty, Purchaser must pay all parts,

shipping, and labor charges for the repair or return of such Product.

What Are the Limits On SAMSUNG's Liability?
EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED HEREIN, PURCHASER TAKES THE PRODUCT "AS IS," AND SAMSUNG MAKES NO WARRANTY OR REPRESENTATION AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT, INCLUDING BUT NOT LIMITED TO:

THE MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR ANY PARTICULAR PURPOSE OR USE;

WARRANTIES OF TITLE OR NON-INFRINGEMENT;

DESIGN, CONDITION, QUALITY, OR PERFORMANCE OF THE PRODUCT;

THE WORKMANSHIP OF THE PRODUCT OR THE COMPONENTS CONTAINED THEREIN; OR

COMPLIANCE OF THE PRODUCT WITH THE REQUIREMENTS OF ANY LAW, RULE, SPECIFICATION OR CONTRACT PERTAINING THERETO.

NOTHING CONTAINED IN THE INSTRUCTION MANUAL SHALL BE CONSTRUED TO CREATE AN EXPRESS WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT. ALL IMPLIED WARRANTIES AND CONDITIONS THAT MAY ARISE BY OPERATION OF LAW, INCLUDING IF APPLICABLE THE IMPLIED WARRANTIES OF MERCHANTABILITY AND

FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY LIMITED TO THE SAME DURATION OF TIME AS THE EXPRESS WRITTEN WARRANTY STATED HEREIN. SOME STATES/PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. IN ADDITION, SAMSUNG SHALL NOT BE LIABLE FOR ANY DAMAGES OF ANY KIND RESULTING FROM THE PURCHASE, USE, OR MISUSE OF, OR INABILITY TO USE THE PRODUCT OR ARISING DIRECTLY OR INDIRECTLY FROM THE USE OR LOSS OF USE OF THE PRODUCT OR FROM THE BREACH OF THE EXPRESS WARRANTY, INCLUDING INCIDENTAL, SPECIAL, CONSEQUENTIAL OR SIMILAR DAMAGES, OR LOSS OF ANTICIPATED PROFITS OR BENEFITS, OR FOR DAMAGES ARISING FROM ANY TORT (INCLUDING NEGLIGENCE OR GROSS NEGLIGENCE) OR FAULT COMMITTED BY SAMSUNG, ITS AGENTS OR EMPLOYEES, OR FOR ANY BREACH OF CONTRACT OR FOR ANY CLAIM BROUGHT AGAINST PURCHASER BY ANY OTHER PARTY. SOME STATES/PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE/PROVINCE TO PROVINCE. THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF

THIS PRODUCT AND STATES PURCHASER'S EXCLUSIVE REMEDY. IF ANY PORTION OF THIS LIMITED WARRANTY IS HELD ILLEGAL OR UNENFORCEABLE BY REASON OF ANY LAW, SUCH PARTIAL ILLEGALITY OR UNENFORCEABILITY SHALL NOT AFFECT THE ENFORCEABILITY FOR THE REMAINDER OF THIS LIMITED WARRANTY WHICH PURCHASER ACKNOWLEDGES IS AND WILL ALWAYS BE CONSTRUED TO BE LIMITED BY ITS TERMS OR AS LIMITED AS THE LAW PERMITS.

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

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

Samsung Telecommunications America, L.P.

1301 East Lookout Drive

Richardson, TX 75082

Phone: 1-800-SAMSUNG

Phone: 1-888-987-HELP (4357)

©2004 Samsung Telecommunications America. All rights reserved.

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

Specifications and availability subject to change without notice. [080802]