* Some of the contents in this manual may differ from your phone, depending on the software installed or your service provider.

SAMSUNG

ELECTRONICS

Printed in Korea
Code No.: GH68-xxxxxA
English. 02/2003. Rev. 1.0

World Wide Web
http://www.samsungmobile.com

SAMSUNG

TRI BAND GPRS TELEPHONE SGH-X400

Draft version
(2003. 02.24)

Contents

Important Safety Precautions 7

Unpacking 9

Your Phone 10
Phone Layout..... 10
Display 13
Service Light 16

Getting Started 17
Installing the SIM Card 17
Charging the Battery 19
Switching the Phone On or Off 21

Call Functions 22
Making a Call..... 22
Adjusting the Volume 24
Answering a Call 25
Viewing Missed Calls..... 26
Switching Quickly to the Silent Mode..... 28

Selecting Functions and Options 29

Phonebook 31
Storing a Number with a Name 31
Using Phonebook Entry Options..... 34
Searching for a Number in Phonebook..... 35
Editing a Caller Group 37
Speed-dialling..... 38
Checking the Memory Status 40

Entering Text 41
Changing the Text Input Mode 42
Using the T9 Mode 43
Using the Upper/Lower-case Character Mode 44
Using the Symbol Mode..... 46
Using the Number Mode..... 46

Options During a Call 47
Putting a Call on Hold 47
Switching the Microphone Off (Mute) 48
Muting/Sending Key Tones 49
Searching for a Number in Phonebook..... 49
Using the Message Service 50
Answering a Second Call 50
Making a Multi-party Call..... 51

Using the Menus..... 53
Accessing a Menu Function by Scrolling..... 53
Accessing a Menu Function by Using its Shortcut 54
List of Menu Functions 54

Messages 59
Inbox *(Menu 1.1)*..... *59*
Outbox *(Menu 1.2)* *60*
Write New *(Menu 1.3)* *62*
Templates *(Menu 1.4)* *64*
Settings *(Menu 1.5)*..... *65*
My Objects *(Menu 1.6)* *66*
Memory Status *(Menu 1.7)*..... *67*
Voice Mail *(Menu 1.8)*..... *68*
Broadcast *(Menu 1.9)*..... *69*

Call Records 71
Missed Calls *(Menu 2.1)*..... *71*
Received Calls *(Menu 2.2)* *71*
Dialled Calls *(Menu 2.3)* *72*
Delete All *(Menu 2.4)*..... *72*
Call Time *(Menu 2.5)* *72*
Call Cost *(Menu 2.5)*..... *73*

Sound Settings..... 74
Ring Tone *(Menu 3.1)*..... *74*
Ring Volume *(Menu 3.2)*..... *74*
Alert Type *(Menu 3.3)* *75*
Keypad Tone *(Menu 3.4)* *75*
Message Tone *(Menu 3.5)* *76*
Folder Tone *(Menu 3.6)* *77*
Power On/Off *(Menu 3.7)* *77*
Extra Tones *(Menu 3.8)*..... *77*

Phone Settings..... 79
Infrared Activate *(Menu 4.1)* *79*
My Settings *(Menu 4.2)* *80*
Greeting Message *(Menu 4.3)*..... *81*
Own Number *(Menu 4.4)*..... *81*
Language *(Menu 4.5)* *82*
Security *(Menu 4.6)*..... *82*
Display Settings *(Menu 4.7)*..... *85*
Extra Settings *(Menu 4.8)* *87*
Reset Settings *(Menu 4.9)*..... *88*

Organiser 89
Calendar *(Menu 5.1)*..... *89*
To Do List *(Menu 6.2)*..... *91*
Time & Date *(Menu 5.3)*..... *94*
Alarm *(Menu 5.4)* *95*
Calculator *(Menu 5.5)*..... *96*
Currency Exchange *(Menu 5.6)* *97*

Network Services 98
Call Diverting *(Menu 6.1)* *98*
Call Barring *(Menu 6.2)* *100*
Call Waiting *(Menu 6.3)*..... *102*
Network Selection *(Menu 6.4)* *103*
Caller ID *(Menu 6.5)*..... *104*
Closed User Group (CUG) *(Menu 6.6)*..... *104*
Band Selection *(Menu 6.7)* *106*

Funbox 107
Games *(Menu 7.1)..... 107*
WAP Browser *(Menu 7.2)..... 108*
Radio *(Menu 7.3)..... 114*
Downloads *(Menu 7.4)..... 116*

Solving Problems 120

Access Codes 123
Phone Password 123
PIN 124
PUK..... 124
PIN2..... 125
PUK2 125
Barring Password 126

Health and Safety Information 127
Exposure to Radio-Frequency Energy
(SAR Information) 127
Precautions When Using Batteries..... 128
Road Safety 130
Operating Environment 132
Electronic Devices 132
Potentially Explosive Atmospheres 134
Emergency Calls 135
Other Important Safety Information 136
Care and Maintenance 137

Glossary 139

Index 143

Quick Reference Card 147

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 Refuelling

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

Switching Off in Aircraft

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

Switching Off in Hospitals

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

Interference

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

Special Regulations

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).

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

Ensure the phone is switched on and in service. Key in the emergency number for your present location, then press the key. If certain feature are in use, deactivate those features before you can make an emergency call. Give all the necessary information as accurately as possible. Do not cut off the call until given permission to do so.

Water Resistance

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

Accessories and Batteries

Use only Samsung-approved accessories and batteries.

Qualified Service

Only qualified service personnel may install or repair your phone.

For more detailed safety information, see “Health and Safety Information” on page 127.

Unpacking

Your package contains the following items:

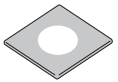
Handset

Travel Adapter

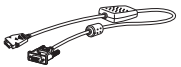
Battery

Stereo
Ear-microphone

User’s Manuals



Software CD-ROM



Data Cable

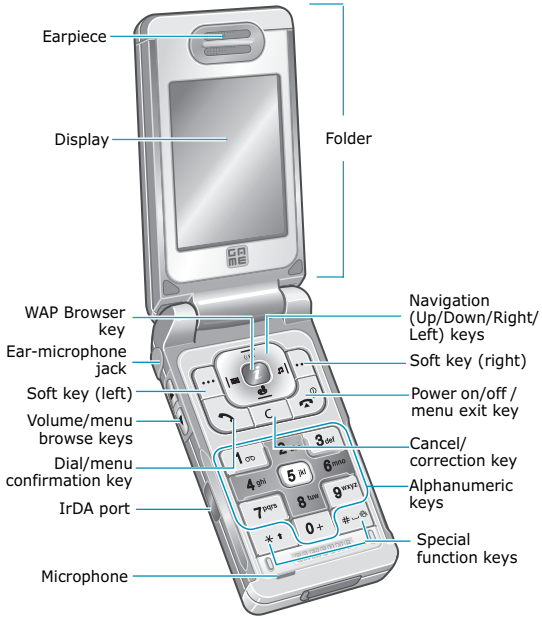
In addition, you can obtain the following accessories for your phone from your local Samsung dealer:

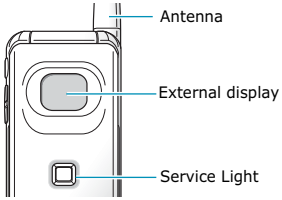
- Battery charger
- Simple hands-free kit
- Standard/slim batteries
- Cigarette lighter adapter
- Ear-microphone
- Car holder

Your Phone

Phone Layout

The following illustrations show the main elements of your phone:





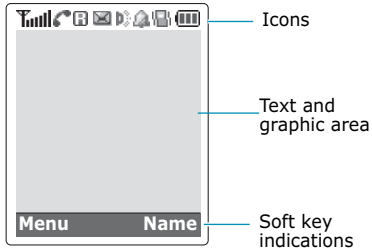
Key(s)	Description
	In Menu Mode, scroll through the menu options and Phonebook memory. In Idle Mode, the Up key turns the FM radio on when the ear-microphone is connected. The Down key quickly enters the **Games** menu.
	In Menu Mode, returns to the previous menu level and selects the current menu respectively. When entering text, moves the cursor to the left and right respectively. In Idle Mode, the Left key quickly enters the **Messages** menu and the Right key enters the **Sound Settings** menu.
(soft keys)	Perform the functions indicated by the text above them, on the bottom line of the display.
	In Idle Mode, quickly launches the WAP (Wireless Application Protocol) browser.
	Deletes characters from the display. In Menu Mode, returns to the previous menu level.

Key(s)	Description (continued)
	Makes or answers a call. When held down in Idle Mode, recalls the last number dialled or received. In Menu Mode, selects a menu function or stores information that you have entered, such as a name in the phone or SIM memory.
	Ends a call. Also switches the phone on and off when held down. In Menu Mode, cancels your input and returns to Idle Mode.
	When held down in Idle Mode, quickly accesses your voice mail.
	Enter numbers, letters and some special characters.
	Enter special characters. Perform various functions.
	(on the side of the phone) During a call, adjust the earpiece volume. In Idle Mode, adjust the keypad tone volume. In Menu Mode, scroll through the menu options and Phonebook memory.

Display

Display Layout

The display has three areas:



Area	Description
First line	Displays various icons. See page 14.
Middle lines	Display messages, instructions and any information that you enter, such as number to be dialled.
Last line	Shows the functions currently assigned to the two soft keys.

Icons

Icons	Description
	Shows the received signal strength. The greater the number of bars, the stronger the signal.
	Appears when a call is in progress.
	Appears when you are out of your home area and have logged onto a different network, for example, when travelling 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 message has been received.
	Appears when the IrDA port is active. For details, see page 79.
	Appears when you are entering text to indicate the current text input mode.
	Appears when the FM radio turn on.
	Appears when the mute mode is active.
	Appears when you set an alarm to ring at a specified time.

Icons	Description (continued)
	Appears when the silent mode is active or you set the **Alert Type** menu option (**Menu 3.3**), so that the phone vibrates when you receive a call. For further details, see page 28 and page 75 respectively.
	Shows the level of your battery. The more bars you see, the more power you have left.

Backlight

A backlight illuminates the display and keypad. When you press any key or open the folder, the backlight turns on and remains a given period of time, depending on the **Back Light** menu option. Then it dims and finally turns off after one minute.

To specify the length of time for which the backlight is active, set the **Back Light** menu option (**Menu 4.7.2**). See page 85 for further details.

You can also set the phone to use the backlight only during a specified period of time in the **Auto Light** menu option (**Menu 4.7.3**). See page 86 for further details.

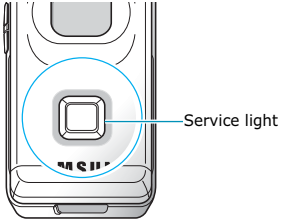
External Display

Your phone has an external display on the folder. It indicates when you have an incoming call or a message. It also alerts you when you have set an alarm at the specified time by turning on its backlight and showing the corresponding icon on it.

Service Light

The service light is on the folder. It flashes when services are available on the phone.

To activate or deactivate the use of the service light, set the **Service Light** menu option (**Menu 4.7.4**). See page 86 for further details.



Getting Started

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.

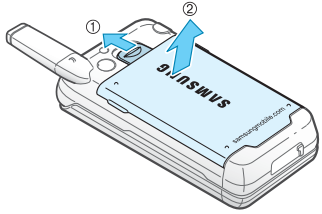
Keep all SIM cards out of the reach of small children.

1. If necessary, switch off the phone by holding down the ☎\① key until the power-off image displays.

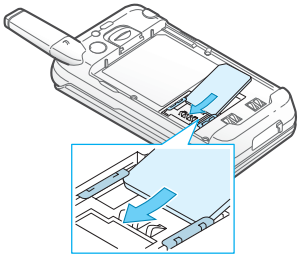
2. Remove the battery. To do so:

   ① Pull and hold the battery lock above the battery toward the top of the phone.

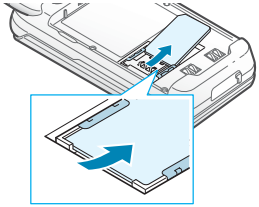
   ② Lift the battery away, as shown.



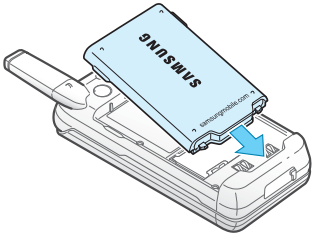
3. Slide the SIM card into the SIM card socket so that it locks the card into position.
   Make sure that the notched corner is top left and the gold contacts of the card face into the phone.



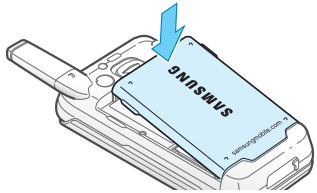
Note: When you need to remove the SIM card, slide it, as shown, and take it out of the socket.



4. Place the battery so that the tabs on the end inserts into 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 the phone on.



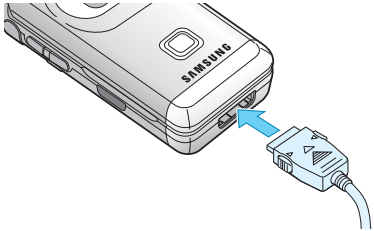
Charging the Battery

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

You can use the phone while the battery is charging, but this causes the phone to charge more slowly.

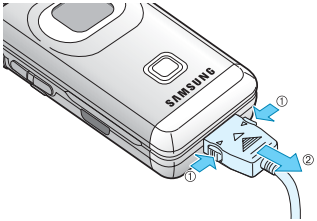
Note: You must fully charge the battery before using your phone for the first time. A discharged battery is fully recharged in approximately 200 minutes.

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



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

3. When charging is finished, unplug the adapter from the power outlet and from the phone by pressing the gray tabs on both sides of the connector and pulling the connector out.



Note: You must unplug the adapter 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, you hear a warning tone and a message repeats at regular intervals on the display.

If the battery level gets too low, the phone turns off automatically.

Switching the Phone On or Off

1. Open the folder.

2. Hold down the ⏻ key until the phone switches on.

3. If the phone asks you to enter the phone password, enter the password and press the **OK** soft key. The phone password is preset to "00000000" at the factory. For further details, see page 123.

4. If the phone asks for a PIN, enter the PIN and press the **OK** soft key. For further details, see page 124.

   The phone searches for your network and after finding it, the idle screen, illustrated below, appears on both displays. Now, you can make or receive a call.

   Note: The display language is preset to English at the factory. To change the language, use the **Language** menu option (**Menu 4.5**). For further details, see page 82.

5. When you wish to switch the phone off, hold down the ⏻ key until the power-off image displays.

Call Functions

Making a Call

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

Note: If you have checked the **Auto Redial** option in the **Extra Settings** menu (**Menu 4.8**), the number is redialled automatically up to ten times when the person does not answer the call or is already on the phone. See page 87 for further details.

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.

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. Press the **C** key. You can also insert a missing digit simply by pressing the appropriate key.
the whole display	the **C** key and hold it for more than one second.

Ending a Call

When you want to finish your call, briefly press the key.

Redialling the Last Number

The phone stores the numbers you dialled, received or missed if the caller is identified. See "Call Records" on page 71 for further details.

To recall any of these numbers:

1. If you have typed characters on the display, press key to return to Idle Mode.
2. Press the key to display a list of the last numbers in the order in which the calls were made.
3. Use the Up and Down keys to scroll through the numbers until the number you want highlights.
4.

To	Press the
dial the number	key.
delete the number	**Options** sof tkey and select **Delete**.
edit the number	**Options** soft key and select **Edit Number**. Change the number as required, referring to "Correcting the Number" on page 22 for further details.

Making a Call from Phonebook

You can store the phone numbers that you use regularly in the SIM card or the phone's memory, which are collectively called Phonebook. Simply select the required name to recall the associated number. For further details about the Phonebook features, see page 31.

Adjusting the Volume

During a call, if you want to adjust the earpiece volume, use the ▲ and ▼ 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 with the folder open, you can also adjust the keypad tone volume using the ▲ and ▼ keys.

Answering a Call

When someone calls you, the phone alerts you by ringing and displaying the incoming animation.

When the caller can be identified, the caller's phone number, or name if stored in your Phonebook, displays.

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

   If the **Anykey Answer** option in the **Extra Settings** menu (**Menu 4.8**) is checked, you can press any key to answer a call, except for the key and the **Reject** soft key. See page 87 for details.

   If the **Active Folder** option in the **Extra Settings** menu (**Menu 4.8**) is checked, you can answer the call simply by opening the folder. See page 87 for details.

   Note: To reject an incoming call, press and hold one of the volume keys before opening the folder.

2. End the call by closing the folder or pressing the key.

Note: You can answer a call while using the Phonebook or menu features.

Viewing Missed Calls

When you are unable to answer a call for any reason, you can find out who is calling you, if this service is available so that you can call the person back.

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

To view the missed call immediately:

1. If the phone is closed, open the folder.
2. Press the **View** soft key.

   The number corresponding to 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. See the following page.

Editing a Missed Call Number

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

1. Press the **Options** soft key.
2. Press the Up or Down key to highlight the **Edit Number** option.
3. Press the **Select** soft key.
4. Change the number as required.
5.

To	Press the
call the number	key.
store the number	**Save** soft key and enter the name and location required. For further details, see page 31.

Deleting a Missed Call

1. Press the **Options** soft key.
2. If necessary, press the Up or Down key to highlight the **Delete** option.
3. Press the **Select** soft key.

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 option (**Menu 2.1**). For further details, see page 71.

Switching Quickly to the Silent Mode

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

In Idle Mode, to switch your phone quickly to the silent mode, simply press and hold down the # key until the "Silent Mode" message and the Vibration icon ( ) display.

In the silent mode, your phone changes the sound settings as follows:

Option	New Setting
Alert Type (**Menu 3.3**)	Vibration
Keypad Tone (**Menu 3.4**)	Off
SMS Tone (**Menu 3.5.1**)	Light Only
Folder Tone (**Menu 3.6**)	Off
Power on/off tone (**Menu 3.7**)	Off
Error Tone (**Menu 3.8.1**)	Off

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.

Selecting Functions and Options

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

The roles of the soft keys vary according to the current context; the label on the bottom line of the display just above each key indicates its current role.

Example:

Press the left soft key to access Menu Mode.

Press the right soft key to access the Phonebook features.

To view various functions/options available and select the one required:

1. Press the appropriate soft key.

2.

To	Press the
select the: • function displayed • option highlighted	**Select** soft key or the Right key.
view the next function or highlight the next option on a list	Down key or ▼ key on the left side of the phone.
move back to the previous function or option on a list	Up key or ▲ key on the left side of the phone.
move back up one level in the structure	Left key, ↺ soft key or **C** key.
exit the structure without changing the settings	☎ key.

In some functions, you may be asked for a password or PIN. Enter the required code and press the **OK** soft key.

Phonebook

You can store phone numbers and their corresponding names in the memory of your SIM card. In addition, you can store up to 500 numbers in the phone's memory. The SIM card and phone memories, although physically separate, are used as a single entity, called Phonebook.

Storing a Number with a Name

There are two ways to store a number:

- Using the **Save** soft key in Idle Mode
- Using the **New Entry** option in the Phonebook menu

Storing a Number in Idle Mode

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

1. 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 22.

2. To save the number, press the **Save** soft key.

3. Choose an icon to identify the category of the number to be stored. Three categories are available:
   - : Mobile phone number
   - : Office number
   - : Home number

   To select the category, press the Left or Right key and press the **Select** soft key.

4. Enter a name and press the **OK** soft key.

   The maximum length of a name depends on your SIM card. For information about how to enter characters, see page 41.

   The phone now displays the first free location in the last memory used to save a number and name. When that memory is full, the first free location in the other memory displays.

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

5. Press the right soft key, labelled **To Card** or **To Phone** to switch between the phone and card memories.

6. If you do not want to save the number and name in the suggested location, press the **C** key to clear the location number and enter your preferred location by pressing the number keys.

7. Press the **OK** soft key to store the name and number.

   After storing, the phone displays the Phonebook entry or name just created.

8.

To	Press the
use the entry options	**Options** soft key.
return to the idle screen	key.

Storing a Number Using the Phonebook Menu

1. When the idle screen is displayed, press the **Name** soft key.

2. Scroll to **New Entry** by pressing the Up or Down key and press the **Select** soft key.

3. Choose 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.

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

   The maximum length of a name depends on your SIM card. For information about how to enter characters, see page 41.

5. Enter the number you want to store and press the **Save** soft key.

6. Continue the procedure from Step 5 on page 32 to store the number.

Using Phonebook Entry Options

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

To	Press the
select the highlighted option	**Select** soft key or the Right key.
highlight a different option	Up or Down key until the option highlights.

The following options are available:

Paste: allows you to paste the number into the normal dialling mode. Use this option to dial a number similar to one in Phonebook, such as a different extension in the same office.

Use the **C** key to change the number as required; refer to page 22 for further details. When you are ready to dial, press the key.

Edit: allows you to change the name and number.

Erase: allows you to erase the name and number from Phonebook. You are asked to confirm that you wish to erase the name and number by pressing the **Yes** soft key.

Copy: allows you to copy the number to another location. Use this option to store a number similar to one already in the memory; once copied, change the number and store it in Phonebook.

Caller Group: allows you to organise your Phonebook entries in up to 10 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 ten groups available.

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

For more information about how to change caller group properties, see page 37.

Add Entry: allows you to add a new number in a different category (mobile, office, home or E-mail) to the name. A Phonebook entry or name can contain up to four numbers, one in each category.

Searching for a Number in Phonebook

After storing numbers in Phonebook, you can search for them in two ways; by name and by caller group.

Searching for a Number by Name

1. When the idle screen is displayed, press the **Name** soft key.
2. Press the **Select** soft key when **Search** highlights. You are asked to enter a name.
3. Enter the first few letters of the name that you wish to find.

   The Phonebook entries are listed, starting with the first entry matching your input.

4.

To	Press the
view the highlighted entry	**View** soft key.
select a different entry	Up or Down key until the entry you want is highlighted.
look for a name starting with a different letter	key labelled with the letter.

5. Once you have found the entry, press the key to dial the number, or press the **Options** soft key to access the Phonebook entry options; for further details, see page 34.

Searching for a Number by Caller Group

1. When the idle screen is displayed, press the **Name** soft key.
2. Scroll to **Group Search** by pressing the Up or Down key and press the **Select** soft key. You are asked to enter a group name.
3. Enter the first few letters of the group name you want to find.

   The caller groups are listed, starting with the first group matching your input.
4. Scroll to the group you want by pressing the Up or Down key and press the **View** soft key.

   The Phonebook entries in the caller group are listed.

5.

To	Press the
view the highlighted entry	**View** soft 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 to dial the number, or press the **Options** soft key to access the Phonebook entry options; for further details, see page 34.

Editing a Caller Group

1. When the idle screen is displayed, press the **Name** soft key.
2. Scroll to **Group Edit** by pressing the Up or Down key and press the **Select** soft key.
3. Enter the first few letters of the group name you want or scroll through the group list by pressing the Up or Down key.
4. When the group highlights, press the **Options** soft key.
5. Select each option and change the settings, as required. 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 person in the group.
   - **SMS tone**: allows you to set a ring tone to be used when you receive a text message from a person in the group.

- **Graphic**: allows you to set a graphic icon to be displayed when you receive a voice call from a person in the group.
- **Group Name**: allows you to assign a name to the group. For further details about how to enter characters, see page 41.

6. When you finish changing the settings, press the **C** or ☎ key.

Speed-dialling

Once you have stored phone numbers in the SIM card, you can set up to eight speed-dial entries and then dial them easily whenever you want, simply by pressing the associated number key.

Setting Up Speed-dial Entries

1. When the idle screen is displayed, press the **Name** soft key.
2. Scroll to **Speed Dial** by pressing the Up or Down key and press the **Select** soft key.
3. Select the key, from **2** to **9**, to which you wish to assign the speed-dialling number and press the **OK** soft key.

   Note: If you have already assigned a number to the key, the **Options** soft key replaces the **OK** soft key. Go to Step 6.

4. Select a Phonebook entry from the list and press the **View** soft key.

5. Select a number, if the entry has more than one number, by pressing the Up or Down key and press the **Select** soft key.
6. Once you have assigned a number to the selected key, You can use the following options by pressing the **Options** soft key:
   - **Change**: allows you to assign a different number to the key.
   - **Erase**: allows you to clear the setting so that no number is assigned to the key.
   - **Erase All**: allows you to clear the settings for all keys so that no numbers are assigned to any of the keys.
   - **Number**: allows you to view the number assigned to the key.
7. When you finish setting the options, press the **C** or ☎ key.

Speed-dialling from Phonebook

To speed-dial the numbers assigned to keys **2** to **9**, press and hold the appropriate key.

Note: Memory location 1 is reserved for your Voice Mail server number.

Checking the Memory Status

You can check how many names and numbers are stored in Phonebook; SIM card and phone memories. You can also see the capacity of both memories.

1. When the idle screen is displayed, press the **Name** soft key.
2. Select the **Memory Status** option by pressing the Up or Down key and press the **Select** soft key.
3. Press the Up or Down key to view the number of existing and remaining entries in the card and phone memories.

Entering Text

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

Your phone has the following text input modes:

- **T9 mode**

  This mode allows you to enter words with only one keystroke per letter. Each key on the keypad has more than one letter – when you press the **5** key once, J, K or L displays. The T9 mode automatically compares your keystrokes with an internal linguistic dictionary to determine the correct word, thus requiring far fewer keystrokes than the traditional upper/lower-case character modes.

- **Upper/lower-case character modes**

  These modes allow you to enter letters by pressing the key labelled with the required letter once, twice, three or four times until the letter displays.

- **Symbol mode**

  This mode allows you to enter various symbols and special characters.

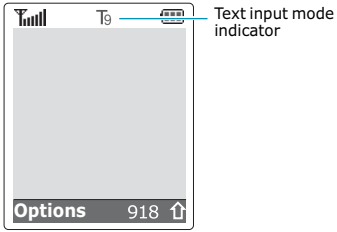
- **Number mode**

  This mode allows you to enter numbers.

Changing the Text Input Mode

When you are in a field that allows characters to be entered, you should notice the text input mode indicator on the display.

Example: Writing a text message



To select the	Press the ⇧ soft key until
T9 mode	**T9** displays. See page 43.
Upper-case character mode	**A** displays. See page 44.
Lower-case character mode	**a** displays. See page 44.
Number mode	**1** displays. See page 46.
Symbol mode	※ displays. See page 46.

Using the T9 Mode

The T9 predictive text input mode allows you to enter any character using single keystrokes. This text input mode is based on a built-in dictionary.

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

   Example: To enter "HELLO" in the T9 mode, press the **4**, **3**, **5**, **5** and **6** keys.

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

2. Enter the whole word before editing or deleting the keystrokes.

3. If the word is correct, start entering the next word.

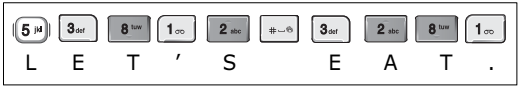
   Otherwise, press the **0**, Up or Down key to display alternative word choices for the keys that you have pressed.

   Example: Both "OF" and "ME" have the sequence of **6** and **3**. The phone displays the most commonly used choice first.

4. Put a space between words by pressing the # key.

- To type words not found in the T9 mode, change the text input mode to the upper/lower-case character input mode.
- To enter full stops, hyphens or apostrophes, press the **1** key. The T9 mode applies grammar rules to ensure that the correct punctuation is used.

  Example: The **1** key is used twice to display two punctuation marks:



- To shift the case in the T9 mode, use the * key. There are two cases; Capital Lock (**T9**) and Lower Case (**t9**).
- 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.

Using the Upper/Lower-case Character Mode

Use the **1** to **0** keys to enter your text.

1. Press the keys labelled with the required letter:

   - Once for the first letter
   - Twice for the second letter
   - And so on

2. Select the other letters in the same way.

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

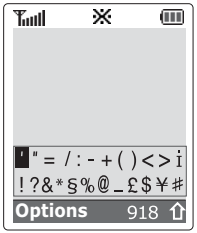
Refer to the table below for more information about the characters available:

Key	Characters in the Order Displayed	
	Upper Case	**Lower Case**
1	Space . 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	0 * # , ; ‘ “ =	/ : - + ( ) < >

- To insert a space, press the # key.
- 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.

Using the Symbol Mode

The symbol mode enables you to insert symbols into a text message.



Use the navigation keys to scroll to the symbol you want to enter and then press the **OK** soft key to insert the highlighted symbol into your message.

Using the Number Mode

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

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

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.

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 Phonebook.
2. Press the key to dial the second call.

   The first call is automatically put on hold.

Or alternatively:

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

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 so that you can continue conversing with the other person.

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

Switching the Microphone Off (Mute)

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

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

To switch the microphone off temporarily:

1. Press the **Options** soft key.
2. If necessary, press the Down key to highlight the **Mute** option.
3. Press the **OK** soft key.

   The other person can no longer hear you.

To switch the microphone back on:

1. Press the **Options** soft key.
2. If necessary, press the Down key to highlight the **Unmute** option.
3. Press the **OK** soft key.

   The other person can hear you again.

Muting/Sending Key Tones

These options allow you to turn the key tones off or on. If the **Mute keys** option is selected, your phone does not transmit the key tones. It allows you to press keys without hearing annoying key tones during a call.

Note: To communicate with answering machines or computerised telephone systems, the **Send keys** option must be selected.

Searching for a Number in Phonebook

You can search for a number in Phonebook during a call.

1. Press the **Options** soft key.
2. Press the Down key to highlight the **Phonebook** option.
3. Press the **OK** soft key.

   The Phonebook entries are listed.
4. Enter the name that you wish to find.

   If you enter the first few letters of the name, the Phonebook entries are listed, starting with the first entry matching your input.
5. To view the highlighted entry, press the **View** soft key.

For further details about the Phonebook feature, see page 31.

Using the Message Service

When you receive an SMS (Short Message Service) message during a call, the Message icon ( ) flashes on the display. The **SMS Service** option enables you to use this feature.

For further details about the SMS feature, see page 59.

Answering a Second Call

You can answer an incoming call while you have a call in progress, if your network supports this service and you have set the **Call Waiting** menu option (**Menu 5.3**) to **Activated**; see page 102. You will be 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 the call on hold, press the **Options** soft key and select the **End Held Call** option.

   To end the current call, press the key.

Making a Multi-party Call

A multi-party call is a network service that allows up to six people to take part simultaneously in a multi-party or conference call. For more information, contact your service provider.

Setting up the Multi-party Call

1. Call the first participant in the normal way.
2. Call the second participant in the normal way. The first call is automatically put on hold.
3. To join the first participant to the multi-party call, press the **Options** soft key and select the **Join** option. Press the **OK** soft key.
4. To add a new person to the multi-party call, call the person in the normal way and press the **Options** soft key. Select the **Join** option and press the **OK** soft key.

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

Having a Private Conversation With One Participant

1. Press the **Options** soft key and choose the **Select one** option. Press the **OK** soft key.

   The list of call participants appears.

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

3. When the **Private** option highlights, press the **OK** soft key.

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

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

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

Dropping One Participant

1. Press the **Options** soft key and choose the **Select one** option. Press the **OK** soft key.

   The list of call participants appears.

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

3. Select **Remove** by pressing the Down key and press the **OK** soft key.

   The call ends with that participant, but you can continue to talk with the other participants.

4. End the multi-party call by closing the folder or pressing the key.

Using the Menus

The phone offers a range of functions that allow you to tailor it to your needs. These functions are arranged in menus and sub-menus.

The menus and sub-menus can be accessed by scrolling with the navigation keys or by using the shortcuts.

Accessing a Menu Function by Scrolling

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

2. Scroll with the Up and Down keys to reach a main menu, such as **Phone Settings**. Press the **Select** soft key or the Right key to enter the menu.

3. If the menu contains any sub-menus, such as **Language**, you can access them by scrolling with the Up and Down keys and pressing the **Select** soft key or the Right key.

   If the menu that you have selected contains further options, repeat this step.

4.

To	Press the
scroll through the menus	Up or Down key or use the ▲ and ▼ keys on the left side of the phone.
confirm the chosen setting	**Select** soft key or the Right key.
return to the previous menu level	soft key or the Left key.
exit the menu without changing the settings	key.

Accessing a Menu Function by Using its Shortcut

The menu items, such as menu, sub-menus and options, are numbered and can be accessed quickly by using their shortcut numbers. The shortcut number is shown at the bottom right next to the ↺ soft key on the display. Simply press the **Menu** soft key and enter the required number.

Note: The numbers assigned to each menu option are indicated on the list on page 54. They may not match the menu number on the phone, depending on the services supported by your SIM card.

Example: Accessing the **Language** option.

1. Press the **Menu** soft key.
2. Press the **4** key for **Phone Settings**.
3. Press the **5** key for **Language**.

   The languages available display.

List of Menu Functions

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

Note: If you use a SIM AT card that provides additional services, the **SIM AT** menu (**8**) displays when you press the **Menu** soft key to enter Menu Mode. For further details, see your SIM card instructions.

1. Messages (see page 59)

- 1.1 Inbox
- 1.2 Outbox
- 1.3 Write New
- 1.4 Templates
- 1.5 Settings
  - 1.5.1 Setting 1*
  - 1.5.2 Setting 2*
  - 1.5.3 Setting 3*
  - 1.5.4 Common Setting
- 1.6 My Objects
  - 1.6.1 My EMS Melody
  - 1.6.2 My EMS Picture
  - 1.6.3 My EMS Animation
  - 1.6.4 Delete All
- 1.7 Memory Status
  - 1.7.1 SIM memory
  - 1.7.2 PHONE memory
  - 1.7.3 CB memory
  - 1.7.4 Delete all
- 1.8 Voice Mail
  - 1.8.1 Connect to Voice Server
  - 1.8.2 Voice Server Number
- 1.9 Broadcast
  - 1.9.1 Read
  - 1.9.2 Receive
  - 1.9.3 Channel List
  - 1.9.4 Language

2. Call Records (see page 71)

- 2.1 Missed Calls
- 2.2 Received Calls
- 2.3 Dialled Calls
- 2.4 Delete All
  - 2.4.1 Missed Calls
  - 2.4.2 Received Calls
  - 2.4.3 Dialled Calls
  - 2.4.4 Delete All Records

* Shown only if supported by your SIM card.

2. Call Records (continued)

2.5 Call Time
- 2.5.1 Last Call Time
- 3.5.2 Total Sent
- 3.5.3 Total Received
- 2.5.4 Reset Timers

2.6 Call Cost*
- 2.6.1 Last Call Cost
- 2.6.2 Total Cost
- 2.6.3 Max Cost
- 2.6.4 Reset Counters
- 2.6.5 Set Max Cost
- 2.6.6 Price/Unit

3. Sound Settings (see page 74)

3.1 Ring Tone
3.2 Ring Volume
3.3 Alert Type
3.4 Keypad Tone
3.5 Message Tone
- 3.5.1 SMS Tone
- 3.5.2 SMS-CB Tone

3.6 Folder Tone
3.7 Power On/Off
3.8 Extra Tones
- 3.8.1 Error Tone
- 3.8.2 Minute Minder
- 3.8.3 Connect Tone

4. Phone Settings (see page 79)

4.1 Infrared Activate
4.2 My Settings
- 4.2.1 Wallpaper
- 4.2.2 Menu Style

4.3 Greeting Message
4.4 Own Number
4.5 Language

* Shown only if supported by your SIM card.

4. Phone Settings (continued)

4.6 Security
- 4.6.1 PIN Check
- 4.6.2 Change PIN
- 4.6.3 Phone Lock
- 4.6.4 Change Password
- 4.6.5 SIM Lock
- 4.6.6 FDN Mode*
- 4.6.7 Change PIN2*

4.7 Display Settings
- 4.7.1 Contrast
- 4.7.2 Back Light
- 4.7.3 Auto Light
- 4.7.4 Service Light
- 4.7.5 Graphic Logo

4.8 Extra Settings
4.9 Reset Settings

5. Organiser (see page 89)

5.1 Calendar
5.2 To Do List
5.3 Time & Date
- 5.3.1 Set Time
- 5.3.2 Set Date
- 5.3.3 World Time
- 5.3.4 Time Format

5.4 Alarm
- 5.4.1 Once Alarm
- 5.4.2 Daily Alarm
- 5.4.3 Morning Call
- 5.4.4 Remove Alarm
- 5.4.5 Autopower

5.5 Calculator
5.6 Currency Exchange

* Shown only if supported by your SIM card.

6. Network Services (see page 98)

- 6.1 Call Diverting
  - 6.1.1 Divert Always
  - 6.1.2 Busy
  - 6.1.3 No Reply
  - 6.1.4 Unreachable
  - 6.1.5 Cancel All
- 6.2 Call Barring
  - 6.2.1 All Outgoing
  - 6.2.2 International
  - 6.2.3 International Except to Home
  - 6.2.4 All Incoming
  - 6.2.5 Incoming While Abroad
  - 6.2.6 Cancel All
  - 6.2.7 Change Barring Password
- 6.3 Call Waiting
- 6.4 Network Selection
- 6.5 Caller ID
- 6.6 Closed User Group
  - 6.6.1 Index List
  - 6.6.2 Outside Access
  - 6.6.3 Default Group
  - 6.6.4 Deactivate*
- 6.7 Band Selection

7. Funbox (see page 107)

- 7.1 Games
- 7.2 WAP Browser
  - 7.2.1 Home
  - 7.2.2 Favorite
  - 7.2.3 Settings
  - 7.2.4 Clear Cache
  - 7.2.5 Push Message
- 7.3 Radio
- 7.4 Downloads
  - 7.4.1 Games & More
  - 7.4.2 Sounds
  - 7.4.3 Pictures
  - 7.4.4 DNS Setting

*Shown only if the Closed User Group Feature is active.

Messages

The SMS (Short Message Service) function is a network service that may not be supported by your network. You can send messages using text, fax, Email and paging messaging systems, provided that these services are supported by your network. To send text messages by phone, you must obtain the number of the SMS centre from your service provider.

When the Message icon (✉) appears, you have received new text messages. If the memory is full, an error message displays and you cannot receive new messages. Use the **Delete** option in each message box to delete obsolete ones.

Inbox *(Menu 1.1)*

This message box is used to store the messages that you have received.

When you enter this menu, the list of messages in the box displays with the senders' phone numbers or names, if available in your Phonebook.

1. Select a message from the list and press the **View** soft key to read the message contents.
2. To scroll through the message, press the Up or Down key.
3. To scroll to the previous or next messages, press the * or # key.

While reading a message, you can use the following options by pressing the **Options** soft key:

Delete: allows you to delete obsolete messages.

Edit and Send: allows you to send a message that you have received or saved. For more information about how to send a message, see page 62.

Reply: allows you to reply to the sender by sending a text message. You can also change the SMS centre number, if required.

Call Back: allows you to call the sender back.

Cut Number: allows you to extract URL or e-mail addresses or phone numbers from the message text, so that you can save them in your phone's memory.

Move: allows you to move the message to another memory location, from the SIM card memory to the phone memory or vice versa.

Select Objects: allows you to save media items, such as sounds or images, from the message into your phone's memory. You can use the items when writing a message; for details, see page 63.

Outbox *(Menu 1.2)*

This message box is used to store the messages that you have already sent or will send.

When you enter this menu, the list of messages in the box displays with the recipients' phone numbers or names, if available in your Phonebook.

1. Select a message from the list and press the **View** soft key to read the message contents.
2. To scroll through the message, press the Up or Down key.
3. To scroll to the previous or next messages, press the * or # key.

While reading a message, you can use the following options by pressing the **Options** soft key:

Delete: allows you to delete obsolete messages.

Edit and Send: allows you to send a message that you have received or saved. For more information about how to send a message, see page 62.

Cut Number: allows you to extract URL or e-mail addresses or a phone numbers from the message text, so that you can save them in your phone's memory.

Move: allows you to move the message to another memory location, from the SIM card memory to the phone memory or vice versa.

Select Objects: allows you to save media items, such as sounds or images, from the message into your phone's memory. You can use the items when writing a message; for details, see page 63.

Write New *(Menu 1.3)*

In this menu, you can write and send a text message.

Note: When you add media items to the message, the number of characters you can enter decreases.

Creating a Simple Text Message

1. Create your message.

   Note: For more information about entering characters, see page 41.

2. When you finish entering the message, press the **Options** soft key. The following options are available:

   - **Send**: allows you to send the message. The message is deleted after sending.
   - **Save and Send**: allows you to save a copy of the message into the specified memory and then send the message. You can read the message in your Outbox.
   - **Save**: allows you to save the message into the specified memory so that it can be sent later. You can read the message in your Outbox.

   For more information about the **Text Formatting**, **Add Objects**, **Add Templates**, **Add Phonebook**, **Add Bookmark** and **Language** options, see page 63.

3. Select **Send** or **Save and Send**, and press the **Select** soft key.

   If you want to just save the message, select **Save**. After saving the message, the phone returns to the **Messages** menu.

4. If you select a save option, choose the memory where the message is saved and press the **OK** soft key.

5. Enter a destination number and press the **OK** soft key. The message is sent.

Creating a Message Using the Options

1. Create a message.

2. Press the **Options** soft key.

3. Select one of the following options as required by using the Up and Down keys and pressing the **Select** soft key:

   - **Text Formatting**: allows you to format the style of the text. For the **Size** attribute, **Normal**, **Large** and **Small** sizes are available. For the **Underline** and **Strikethrough** attributes, select **On** or **Off**. The attributes can be combined.
   - **Add Objects**: allows you to add a sound, melody, picture or animation to your message. Select the category of the object to be added; **Sound**, **Melody**, **Picture** and **Animation** are available. In each category, you can select various factory-set items or choose an item received from other sources, such as the Internet or other phones.
   - **Add Templates**: allows you to apply one of the preset message templates to the text. Select one of the five messages stored in the **Templates** menu option (**Menu 1.4**); for further details, see page 64.
   - **Add Phonebook**: allows you to add a Phonebook entry in your message. Select one from the list.

- **Add Bookmark**: allows you to add a web page's address stored in your Favorite list (**Menu 7.2.2**). Select one from the list.
- **Language**: allows you to change the language to be used in the T9 input mode. Select the language to be used.

4. Complete the message, and send or save it by following the procedure from Step 2 on page 62.

Templates *(Menu 1.4)*

Using this menu, you can preset up to five messages that you use most frequently.

Scroll through the template list using the Up and Down keys. When the message template you want highlights, press the **Options** soft key.

The following options are available:

Edit: allows you to write a new message or edit the selected message.

Note: For further information about how to enter characters, see page 41.

Send Message: allows you to recall the selected message. Once you have completed the message, you can send, save and send, or simply save it. For further details about how to send a message, see page 62.

Delete: allows you to delete the selected message. You are asked to confirm the deletion by pressing the **Yes** soft key.

Settings *(Menu 1.5)*

In this menu, you can set up default SMS information. 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.

Setting x (where **x** is the setting group number): each group has its own sub-menu.

Service Centre: allows you to store or change the number of your SMS centre, which is required when sending messages. You must obtain this number from your service provider.

Default Destination: allows you to store the default destination number. The number automatically displays on the Destination screen when you create a message.

Default Type: allows you to set the default message type to Text, Fax, Email or Paging. The network can convert the messages into the selected format.

Default Validity: allows you to set the length of time your text messages are stored at 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.

Common Setting: The following options are available:

Reply Path: allows the recipient of your SMS message to send you a reply message via your message centre, if your network supports with this service.

Delivery Reports: allows you to activate or deactivate the report function. When this function is activated, the network informs you whether or not your message has been delivered.

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

My Objects *(Menu 1.6)*

In this menu, you can see the objects you saved from the messages into your phone's memory using **Select Object** option; see page 60.

You can forward the objects to other people by including them in a message and/or using them for your ring tone or setting them as a background image.

Three categories of objects are available:

- **My EMS Melody**
- **My EMS Picture**
- **My EMS Animation**

To delete the items while viewing in this menu, press the **Delete** soft key.

You can delete all of the items using the **Delete All** option (**Menu 1.6.4**).

To	Press the
select a category	Up or Down key. To delete all of your objects, select **All Object**.
place a check mark	**Mark** soft key.

To	Press the
remove the check mark	**Unmark** soft key.
delete the marked objects	**Delete** soft key.

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

Memory Status *(Menu 1.7)*

This menu shows how many messages are currently stored in the SIM, phone and CB (Cell Broadcast) memories.

You can also delete all of the messages in each message box using the **Delete all** option (**Menu 1.7.4**).

To	Press the
select a message type	Up or Down key. To delete all of your messages, select **All Message**.
place a check mark	**Mark** soft key.
remove the check mark	**Unmark** soft key.
delete the marked messages	**Delete** soft key.

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

Voice Mail *(Menu 1.8)*

This menu provides you with a way of accessing your voice mailbox, if your network supports this service.

The following options are available:

Connect to Voice Server: before using this feature, you must enter the voice server number obtained from your service provider (see menu option **1.8.2**).

You can then select this option and simply press the **OK** soft key to listen to your messages.

To quickly connect to the voice server, press and hold down the **1** key in Idle Mode.

Voice Server Number: allows you to save or change voice server numbers, if necessary.

1. Select a number location using Up or Down key and press the **OK** soft key.
2. Press the **Edit** soft key.
3.

To	Press the
enter the server number	corresponding numeric keys.
correct a digit	**C** key.
move the cursor to the left/right without clearing the digit	Left or Right key.

4. Press the **OK** soft key to save the number.

Note: Voice Mail is a network feature. Please contact your service provider for more information.

Broadcast *(Menu 1.9)*

This network service allows you to receive text messages on various topics, such as the weather or traffic. Messages display as soon as they are received, provided that:

- the phone is in Idle Mode.
- the **Receive** option is set to **Enable**.
- the message channel is currently active on the channel list.

The following options are available:

Read: lets you view the received message. The **Volatile** box displays the messages from the network, but loses its contents as soon as the phone is switched off. Scroll through the message by using the Up and Down keys.

While reading a message, press the **Save** soft key to store the message in the **Archive** box for later retrieval.

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 your preferred language to display cell broadcast messages.

Please contact your service provider for more information.

Call Records

In this menu, you can view the:

- calls you missed, received or dialled.
- length of your calls.
- cost of your calls.

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

Missed Calls *(Menu 2.1)*

This option lets you view the last 20 numbers of the calls you received, but did not answer.

The number and name, if available, display together with the date and time when the call was received. By pressing the **Options** soft key, you can:

- delete the call from the list.
- edit the number, if available, and dial it or save it in Phonebook.

Received Calls *(Menu 2.2)*

This option lets you view the last 20 numbers of the calls you received.

The number and name, if available, display together with the date and time when the call was received. By pressing the **Options** soft key, you can:

- delete the call from the list.
- edit the number, if available, and dial it or save it in Phonebook.

Dialled Calls *(Menu 2.3)*

This option lets you view the last 20 numbers you dialled.

The number and name, if available, display together with the date and time when the call was made. By pressing the **Options** soft key, you can:

- delete the number.
- edit the number and dial it or save it in Phonebook.

Delete All *(Menu 2.4)*

You can delete all of the numbers stored in each call record. To delete all of the numbers at one time, select **All Call Records**.

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

Call Time *(Menu 2.5)*

This option lets you view the timers for calls made and received.

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

The following timers are available:

Last Call Time: length of the last call.

Total Sent: total length of all calls made since the timer was last reset.

Total Received: total length of all calls received since the timer was last reset.

Reset Timers: option used to reset the call timers; you must first enter the phone password (see page 123) and then press the **OK** soft key.

Call Cost *(Menu 2.5)*

This network feature lets you view the cost of calls. This option may not be shown depending on your SIM card.

The following options are available:

Last Call Cost: cost of the last call made.

Total Cost: total cost of all calls 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 no longer make any calls until you reset the counter.

Max Cost: maximum cost set in the **Set Max Cost** option. See below.

Reset Counters: option used to reset the cost counter; you must first enter your PIN2 (see page 125) and then press the **OK** soft key.

Set Max Cost: option used to enter the maximum cost that you authorise for your calls.

Price/Unit: option used to set the cost of one unit; this price per unit is applied when calculating the cost of your calls.

Sound Settings

You can use the Sound Settings feature to customise various settings, such as the:

- ring melody, volume and type.
- sounds made when you press a key, make an error, receive a message, open/close the folder or switch your phone on/off.

Note: When the phone is in the silent mode (see page 28), you cannot change the sound settings.

Ring Tone *(Menu 3.1)*

This option allows you to select a ring melody.

You can choose between many different melodies. Each time you select a melody, it plays for a few seconds. If you have downloaded any sounds from the Internet or EasyGPRS programme or received ring tone messages, you can view them in this menu.

Ring Volume *(Menu 3.2)*

This option allows you to adjust the ring volume to one of five levels.

Use the Up and Down keys or the ▲ and ▼ keys on the left side of the phone to increase or decrease the volume.

Alert Type *(Menu 3.3)*

This option allows you to specify how you are to be informed of any incoming calls.

The following options are available:

Light Only: only the backlight is switched on; the phone neither rings nor vibrates.

Melody: the phone rings using the ring melody selected in the **Ring Tone** menu option (**Menu 3.1**); see page 74.

Vibration: the phone vibrates but does not ring.

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

Keypad Tone *(Menu 3.4)*

This option allows you to select a tone that the phone sounds when you press a key.

You can choose from **Cool**, **Piano**, **Tone** and **Beep**. To turn the sound off, select **OFF**.

Message Tone *(Menu 3.5)*

This option allows you to select how the phone informs you that a new message has been received.

SMS Tone *(Menu 3.5.1)*

This option allows you to select how the phone informs you that a new SMS message has been received.

The following options are available:

OFF: the phone does not use the SMS tone.

Light Only: the service light on the folder flashes.

Vibration: the phone vibrates.

Single Beep: the phone beeps once.

SMS Tone x: the phone uses one of several SMS tones.

SMS CB Tone *(Menu 3.5.2)*

This option allows you to select how the phone informs you that a new cell broadcast (CB) message has been received.

The following options are available:

OFF: the phone does not use the CB tone.

Light Only: the service light on the folder flashes.

Vibration: the phone vibrates.

Single Beep: the phone beeps once.

SMS CB Tone x: the phone uses one of several SMS CB tones.

Folder Tone *(Menu 3.6)*

This option allows you to select a tone that the phone sounds when you open or close the folder.

You can choose either **Future** or **Crystal**. To turn the sound off, select **Off**.

Power On/Off *(Menu 3.7)*

This option allows you to select a tone that the phone sounds when it is switched on and off.

You can choose either **Classical** or **Cheerful**. To turn the sound off, select **Off**.

Extra Tones *(Menu 3.8)*

You can customise various other tones for your phone.

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

The following options are available:

Error Tone: sets whether or not the phone informs you that you make 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 your phone to beep when the person you are calling answers the phone.

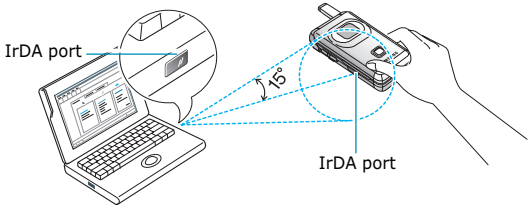
Phone Settings

Many different features of your phone can be customised to suit your preferences. All of these features are accessed in the **Phone Settings** menu.

Infrared Activate *(Menu 4.1)*

This feature allows you to send or receive data through the infrared port. To use an infrared connection, you must:

- configure and activate an IrDA-compliant infrared port on your PC.
- activate the infrared feature on the phone; the IrDA icon ( ) appears on the top line of the display.
- align the IrDA port on the phone with the IrDA port on your computer.



The connection is ready for data transmission.

If there is no communication between your phone and the IrDA-compliant device within 30 seconds of activating the feature, it is automatically deactivated.

Note: For the best performance, use the data link cable supplied in your SGH-X400 kit.

My Settings *(Menu 4.2)*

You can change the background image of Idle Mode and the display style of Menu Mode according to your preference.

Wallpaper *(Menu 4.2.1)*

This option allows you to change the background image to be displayed on the idle screen.

To change the background image:

1. Scroll through the list by pressing the Up or Down key.
2. Press the **Select** soft key when the image you want highlights.

   The selected image displays.
3. After viewing the image, press the **Select** soft key to display it on the idle screen.

   The display asks if you want to display text on the screen.
4. Press the **Yes** soft key to display the current date and time on the wallpaper image.

   To display only the image, press the **No** soft key.

Menu Style *(Menu 4.2.2)*

This option allows you to select the menu display style. You can choose either **Cyber Style** or **Nature Style**.

Greeting Message *(Menu 4.3)*

This option allows you to set a greeting to be displayed briefly when the phone is switched on. When you access this menu, the current message displays.

To	Press the
clear the existing message	**C** key and hold it down until the message is cleared.
enter a new message	appropriate alphanumeric keys.
change the text input mode	right soft key.

For further details about how to enter characters, see page 41.

Own Number *(Menu 4.4)*

This feature allows you to:

- assign a name to each of your own phone numbers registered on your SIM card.
- edit the names and numbers.

This function is a memory aid, which you can use to check your own phone numbers if you need to do.

Any changes made here do not in any way affect the actual subscriber numbers on your SIM card.

Language *(Menu 4.5)*

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.

Security *(Menu 4.6)*

The Security feature enables you to restrict the use of your phone to the people and the types of calls of your choice.

Various codes and passwords are used to protect the features of your phone. They are described in the following sections. See also pages 123-126.

PIN Check *(Menu 4.6.1)*

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

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

To change your PIN, see the **Change PIN** menu option (**Menu 4.6.2**).

The following options are available:

Disable: the phone connects directly to the network when you switch it on.

Enable: you must enter the PIN each time the phone is switched on.

Change PIN *(Menu 4.6.2)*

This feature allows you to change your current PIN to a new one, provided that the PIN Check feature is enabled. You must enter the current PIN before you can specify a new one.

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

Phone Lock *(Menu 4.6.3)*

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

The password is preset to “00000000” at the factory. To change the phone password, see the **Change Password** menu option (**Menu 4.6.4**) below.

Once the correct password has been entered, you can use the phone until you switch it off.

The following options are available:

Disable: you are not asked to enter the phone password when you switch the phone on.

Enable: you are required to enter the phone password when you switch the phone on.

Change Password *(Menu 4.6.4)*

The Change Password feature allows you to change your current phone password to a new one. You must enter the current password before you can specify a new one.

The password is preset to "00000000" at the factory. Once you have entered a new password, you are asked to confirm it by entering it again.

SIM Lock *(Menu 4.6.5)*

When the SIM Lock feature is enabled, your phone only works with the current SIM card. You must enter the SIM lock code.

Once you have entered the lock code, you are asked to confirm it by entering it again.

To unlock the SIM, you must enter the SIM lock code.

FDN Mode *(Menu 4.6.6)*

The 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.

The following options are available:

Disable: you can call any number.

Enable: you can only call phone numbers stored in the Phonebook. You must enter your PIN2.

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

To change your PIN2, see the **Change PIN2** menu option (**Menu 4.6.7**) below.

Change PIN2 *(Menu 4.6.7)*

The Change PIN2 feature allows you to change your current PIN2 to a new one. You must enter the current PIN2 before you can specify a new one.

Once you have entered a new PIN2, you are asked to confirm it by entering it again.

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

Display Settings *(Menu 4.7)*

Contrast *(Menu 4.7.1)*

This option allows you to adjust the brightness of the display screens to make them lighter or darker.

To adjust the display contrast:

1. When **Front LCD** highlights, press the **Select** soft key.
2. Adjust the contrast by using the Up and Down keys or the ▲ and ▼ keys on the left side of the phone.
3. When you are satisfied, press the **OK** soft key to save the selection.

Back Light *(Menu 4.7.2)*

You can select whether or not the phone uses the backlight. A marginal increase in standby/talk time can be achieved by turning the backlight off.

Select the length of time for which the backlight remains on. The backlight comes on when you press a key or receive a call or message and light up for the specified time. Then it dims and finally switches off after one minute.

If you do not want to use the backlight, select **OFF**.

Auto Light *(Menu 4.7.3)*

Using this feature, you can specify the time for which the backlight is to be used. This feature helps conserve your battery power.

The following options are available:

Disable: the backlight is used according to the setting in the **Back Light** menu option (**Menu 4.7.2**); see page 85.

Enable: the backlight is used only during the specified period of time. Set the time when the phone turns the light on and then off, using the appropriate number keys.

Service Light *(Menu 4.7.4)*

This option allows you to select whether or not the service light on the folder is used or in which colour it flashes.

Select one from the seven colour settings. When the phone is ready for use, the service light flashes in the appropriate colour.

If you do not wish to use the service light, select **Off**.

Graphic Logo *(Menu 4.7.5)*

This option allows you to display your operator's logo instead of its name.

Off: the operator name displays in Idle Mode.

On: the operator logo stored in your phone displays in Idle Mode. When no logo has been stored, the operator name displays.

Extra Settings *(Menu 4.8)*

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

To turn a feature	Press the
on	**ON** soft key. A check mark displays in front of the option.
off	**OFF** soft 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 interval between two call attempts varies.

Active Folder: when this option is checked, you can simply open the folder to answer a call.

When it is unchecked, you must open the folder and press a key, 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 and the **Reject** soft key. To reject the call, press the key or the **Reject** soft key.

When this option is unchecked, you can only press the key or **Accept** soft key.

Reset Settings *(Menu 4.9)*

You can easily reset your phone to its default settings. To reset your phone:

1. Select the **Reset Settings** menu option.
2. Enter the 8-digit phone password and press the **OK** soft key.

Note: The password is preset to "00000000". To change this password, see page 83.

Organiser

The Organiser feature enables you to:

- view the calendar and organise your schedule.
- define a list of things to do.
- set the current date and time.
- set an alarm so that the phone rings at a specific time, such as to remind you of an appointment.
- use the phone as a calculator for basic mathematical equations or currency exchange operations.

Calendar *(Menu 5.1)*

With the Calendar feature, you can:

- consult the calendar.
- write memos to keep track of your schedule.
- trigger an alarm, if necessary.

Consulting the Calendar

When you select the **Calendar** menu option (**Menu 5.1**), the calendar displays. The following options are available when you press the **Options** soft key:

Search All: displays all of the memos, starting with the oldest, regardless of the day. To scroll through the memos, press the Up or Down key.

Delete all: allows you to delete all of the memos. You are asked to confirm your action.

Go to date: allows you to go to a specific date.

Exit: exits the Calendar feature and returns to Idle Mode.

Writing a Memo

To write or edit a memo on a specific date:

1. Select a date on the calendar, using the navigation keys.

   Note: To skip to the previous or next month, press the ▲ or ▼ key on the left side of the phone.

2. Press the **Select** soft key.

   An empty memo screen displays to allow you to enter your memo.

3. Enter your memo and then press the **OK** soft key.

   Note: For further details about how to enter characters, see page 41.

   You are asked if you wish to set an alarm.

4. If you want an alarm to ring on the chosen day, press the **Yes** soft key.
   Otherwise, press the **No** soft key.

5. If you pressed the **Yes** soft key, set the time for the alarm and press the **OK** soft key.

   You can set a melody for the alarm by pressing the **Melody** soft key.

   The colour of the date is changed to green to indicate that a memo exists.

Editing a Memo

When you select a day for which a memo already exists, you can press the **Edit** soft key to edit the memo displayed.

Note: For further details about how to enter characters, see page 41.

Once you have finished editing the memo, press the **OK** soft key.

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

Alarm: allows you to set an alarm to ring on the chosen day.

Erase: allows you to delete the memo.

Copy to: allows you to copy the memo to another date and/or time.

Move to: allows you to change the date and/or time of the memo.

To Do List *(Menu 6.2)*

This feature allows you to:

- enter a list of tasks to be done.
- assign a priority and a deadline to each task.
- sort the tasks by priority and status mark.

Creating the To Do List

1. Press the **New** soft key.

2. Enter the first task.

Note: For further details about how to enter characters, see page 41.

3. Press the **OK** soft key.

4. Select high, normal or low priority using the Up and Down keys and press the **Select** soft key.

5. Enter your deadline.

   If you do not want to set a deadline, press the **Skip** soft key.

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

Editing the To Do List

When you select the **To Do List** menu option (**Menu 5.2**), the current contents display with the status mark and priority; for High, for Normal and for Low.

The following options are available:

To view the details for a specific task	① Highlight the task. ② Press the **View** soft key.
To change the status of a specific task	① Highlight the task. ② Press the * key to mark the task as completed as of the current date and time. or ① Highlight the task. ② Press the **Options** soft key. ③ Select the **Mark** option. ④ Select the appropriate status (**Done** or **Undo**).
To create a new task	① Press the **Options** soft key. ② Select the **New** option. ③ Enter the text, priority and deadline for the task.

To edit an existing task	① Highlight the task. ② Press the **Options** soft key. ③ Select the **Edit** option. ④ Change the text, priority and/or deadline for the task, as required.
To sort the existing tasks by priority or status	① Press the **Options** soft key. ② select the **Sort** option. ③ Select the sort criterion (**High**, **Low**, **Done** or **Undo**).
To copy a task	① Highlight the task. ② Press the **Options** soft key. ③ Select the **Copy** option. ④ Change the text, priority and/or deadline for the task, as required.
To copy a task to the calendar	① Highlight the task. ② Press the **Options** soft key. ③ Select the **Copy to calendar** option. ④ Change the text and deadline for the task and set the alarm, as required.
To delete a task	① Highlight the task. ② Press the **Options** soft key. ③ Select the **Delete** option.
delete all tasks	① Press the **Options** soft key. ② Select the **Delete all** option. ③ Confirm the deletion by pressing the **OK** soft key.
exit the To Do list	① Press the **Options** soft key. ② Select the **Exit** option.

Time & Date *(Menu 5.3)*

This option allows you to change the current time and date displayed. You can also use this option to find out what time it is in another part of the world.

The following options are available:

Set Time: allows you to enter the current time. You can choose the time format in the **Time Format** menu option (**Menu 5.3.4**); see below.

Note: Before setting the time, you must specify your time zone in the **World Time** menu option (**Menu 5.3.3**).

Set Date: allows you to enter the day, month and year.

World Time: allows you to find out what time it is in another part of the world, using the Left and Right keys.

The screen shows the:

- city name.
- current date and time.
- time difference between the selected city and your city if you have set the local time (see below for further details) or GMT (by default).

To select your time zone:

1. Select the city corresponding to your time zone by pressing the Left or Right key one or more times.
   The local date and time display.

2. Press the **Set** soft key.

Time Format: allows you to change the time format to **24 Hours** or **12 Hours**.

Alarm *(Menu 5.4)*

This feature allows you to:

- set the alarm to ring at a specific time.
- set the phone to switch on automatically and ring the alarm even if the phone is switched off (**Autopower** menu option set to **Enable**).

The following options are available:

Once Alarm: the alarm rings only once and is then deactivated.

Daily Alarm: the alarm rings every day at the same time.

Morning Call: the alarm rings to wake you up in the morning.

To set an alarm:

1. Choose the type of alarm to be set.

2. Enter the time using the numeric keys.

   If you want to use the alarm options, press the **Options** soft key. The following options are available:

   - **Remove Alarm**: deactivates the current alarm.
   - **Alarm Sound Set**: allows you to select the alarm melody.

3. Press the **OK** soft key.

4. When you selected **Morning Call** in Step 1, choose the repeat option, either **Monday to friday** or **Monday to Saturday**. Press the **Select** soft key.

To stop the alarm when it rings, open the folder and press the **Exit** soft key.

Remove Alarm: deactivates all alarm settings.

Autopower: When this option is set to **Enable**, the alarm rings at the specified time, even if the phone is switched off.

When the menu option is set to **Disable** and the phone is switched off at the specified time, the alarm does not ring.

Calculator *(Menu 5.5)*

With this feature, you can use the phone as a calculator. The calculator provides basic arithmetic functions; addition, subtraction, multiplication and division.

1. Enter the first number using the numeric keys.

Notes:
- To erase mistakes or clear the display, press the **C** key.
- To include a decimal point or a bracket, press the left soft key until the symbol you want to use displays.

2. Press the right soft key until the required arithmetic symbol appears: **+** (addition), **-** (subtraction), **✱** (multiplication), **/** (division).

3. Enter the second number.

4. Repeat steps 1 to 3 as many times as required.

5. To view the result, press the key.

Currency Exchange *(Menu 5.6)*

Using this menu option, you can make currency conversions.

1. Enter the current exchange rate of your source currency and press the **OK** soft key.

   You can insert a decimal point by pressing the **#** key.

2. Enter the amount to convert and press the **OK** soft key.

   The amount you entered and its equivalent value display.

3. Press the **Exit** soft key to exit the currency convertor.

Network Services

These menu functions are network services. Please contact your service provider to check their availability and subscribe to them, if you wish.

Call Diverting *(Menu 6.1)*

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

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

Call diverting can be set up in the following ways:

Divert Always: all calls are diverted.

Busy: calls are diverted when you are already on another call.

No Reply: calls are diverted when you do not answer the phone.

Unreachable: calls are diverted when you are not in an area covered by your service provider.

Cancel All: all call diverting options are cancelled.

You can specify individual diverting options for each of the following call types:

- Voice calls only
- Data calls only

Example: You can divert voice calls to your colleague when you are already using the phone.

To set your call diverting options:

1. Select the type of call diverting by pressing the Up or Down key and then press the **Select** soft key.

2. Select the type of calls to be diverted by pressing the Up or Down key and then press the **Select** soft key.

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

3.

To	Press the
activate call diverting	**Activate** soft key. Go to Step 4.
change the call number	**Change** soft key. Go to Step 4.
deactivate call diverting	**Remove** soft key.

4. Enter the number to which the calls are to be diverted and press the **OK** soft key.
   To enter an international code, press the **0** key until the **+** sign displays.

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

You can deactivate all of the call diverting settings by selecting the **Cancel All** option.

Call Barring *(Menu 6.2)*

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

Call barring can be set up in the following ways:

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 service area.

Cancel All: all call barring settings are deactivated; calls can be made and received normally.

You can specify individual barring options for each of the following call types.

- Voice calls only
- Data calls only

To set your call barring options:

1. Select the type of call barring by pressing the Up or Down key and then press the **Select** soft key.
2. Select the type of calls to be barred by pressing the Up or Down key and then press the **Select** soft key.

3. Press the **Activate** soft key to confirm your settings.
4. Enter your call barring password supplied by your service provider.

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

To deactivate specific call barring settings:

1. Select the call barring option to be deactivated.
2. Select the type of call to which this option applies.
3. Press the **Deactivate** soft key.
4. Enter your call barring password supplied by your service provider.

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

You can also deactivate all of the call barring settings by selecting the **Cancel All** option.

Change Barring Password: you can set and change the call barring password obtained from your service provider using this option. You must enter the current password before you can specify a new one.

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

Call Waiting *(Menu 6.3)*

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

You can specify individual call waiting options for each of the following call types:

- Voice calls only
- Data calls only

To set your call waiting options:

1. Select the type of calls to which the call waiting option is to be applied by pressing the Up or Down key and then press the **Select** soft key.

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

2. You can activate or deactivate the call waiting feature as necessary by using the **Activate** or **Deactivate** soft key respectively.

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

You can also deactivate all of the call waiting settings by selecting the **Cancel All** option.

Network Selection *(Menu 6.4)*

The Network Selection feature enables you to 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 them.

To indicate to automatically or manually select the network when roaming:

1. When **Network Selection** displays, press the **Select** soft key.

2. Press the Up or Down key until the appropriate option highlights and then press the **OK** soft key.

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

   If you select **Manual**, the phone scans for the available networks. Go to Step 3.

3. Press the Up or Down key until the preferred network highlights and then press the **OK** soft key.

   You are connected to that network.

Caller ID *(Menu 6.5)*

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

Note: Some networks do not allow the user 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 (CUG) *(Menu 6.6)*

This network service allows incoming and outgoing calls to be restricted to a selected user group. You may be a member of up to ten user groups.
For details on how to create, activate 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.

Activating a Closed User Group

If you select the **Closed User Group** menu, you can enter the CUG function. You can now access the following options after pressing the **Select** soft key:

Index List: lets you list, add or delete CUG index numbers. The list of current CUG indexes appears. Add a new CUG index as advised by your service provider or delete a selected group.

To	Press the
scroll the through the existing CUG indexes	Up or Down key.
add a new CUG index	**Options** soft key, select the **Add** option and enter the index.
delete a CUG index	**Options** soft key and select the **Delete** option.
activate a CUG index	**Options** soft 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 *(Menu 6.7)*

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

- GSM 900/1800
- GSM 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. When **Band Selection** displays, press the **Select** soft key.
2. Press the Up or Down key until the appropriate option, **GSM 900/1800** or **GSM 1900**, highlights and press the **OK** soft key.

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

Funbox

The **Funbox** menu contains several fun options.

Games *(Menu 7.1)*

You can enjoy three games with your phone. Scroll to a game, using the Up and Down keys and press the **Select** soft key.

For each game, the following options are available:

New Game: allows you to start a game.

High Score: shows you the High Score table.

Key Info: show you which keys do what within the game.

Continue: allows you to continue the game you played last.

To select an option, press the number key corresponding to it.

While you are playing a game:

To	Press the
adjust the game volume	volume keys.
pause or resume the game	**C** key.
exit the game	☎\⏻ key.

At the end of the game, if your score is ranked fifth or higher, you may enter a name of up to 10 characters.

WAP Browser *(Menu 7.2)*

Your phone comes equipped with a WAP (Wireless Application Protocol) Browser which makes it possible for you to access the Wireless Web.

Home *(Menu 7.2.1)*

Selecting this option connects the phone to the network and loads the homepage of the Wireless Web service provider.

A connection is established with your service provider and the corresponding homepage displays.

The content of the WAP Browser startup homepage depends on your Wireless Web service provider. To scroll through the screen, use the Up and Down keys.

Note: To access the startup homepage from any other screen in the WAP Browser, use the **Home** option. For more information about the WAP Browser menus, see page 111.

Exiting the WAP Browser

To exit the browser at any time, simply press the key or press and hold the key.

Navigating the WAP Browser

To	Press the
scroll through and select browser items	Up or Down key until the ► symbol points to the required item, and then press the **OK** soft key to confirm the selection.
select a numbered item	corresponding numeric key.
return to the previous page	**Back** soft key or the **C** key.
return to the startup homepage	* key and select the **Home** option. For further, see page 111.

Entering Text in the WAP browser

When you are prompted to enter text, the current text entry mode is indicated on the screen. The following modes are available:

Mode	Description
ABC	Allows you to enter letters in the alphabet. Press the corresponding key until the required letter displays.
123	Allows you to enter numbers.

Note: To enter symbols, press the **1** key until the symbol you want to enter displays.

To change modes	Press the key one or more times.
To enter a space	Press the # key.
To edit text	① Set the cursor to the right of the character(s) to be corrected. ② Press the **C** key, as required. ③ Enter the correct character(s).

Using and Selecting Menu Options

Various menu options are available when you are using the WAP Browser to navigate the Wireless Web.

To access a menu option:

1. Press and hold the * key.
   A menu displays.
2. Highlight a menu option by using the Up and Down keys.
3. Access an option by pressing the **Select** soft key.
4. If necessary, select the secondary option using the Up and Down keys, and press the **Select** soft key to confirm.

Note: The menus may vary, depending on your version of the WAP Browser.

The following options are available:

Reload: reloads the current page.

Home: takes you back at any time to the homepage of the Wireless Web service provider.

Go to URL: allows you to manually enter the URL address of the required Web page. After entering an address, press the **OK** soft key to go there directly.

Show URL: displays the URL address of the site to which you are currently connected. It also enables you to declare the current site as the startup homepage.

To	Press the
declare the current page as your startup homepage	**Option** soft key, select the **Save to Home** option and press **Select**.
set a bookmark for the current page	**Option** soft key, select the **Save to Bookmark** option and press **Select**.
cancel your setting	**Back** soft key.

Edit Home: allows you to change the startup homepage manually. Enter the required URL and press the **OK** soft key. For more information about entering text, see page 109.

Favorite *(Menu 7.2.2)*

This menu option allows you to store the URL addresses of your favourite Web sites. You can access this menu directly by pressing and holding the * key while using the WAP Browser.

To store a URL address:

1. Select an empty location and press the **Options** soft key.
2. Enter the address and press the **Enter** soft key.
3. Enter a title for the favourite item and press the **Enter** soft key.

After saving favourite items, you can use the following items by press the **Options** soft key:

Goto URL: quickly accesses you to the site.

Edit: allows you to edit the address.

Erase: deletes the address.

Settings *(Menu 7.2.3)*

You can set up five proxy servers for the WAP Browser. Contact your service provider for details.

For each server, the following options are available:

Profile Name: enter a name that you wish to assign to the HTTP proxy server.

Homepage URL: enter the address of your startup homepage. When the default homepage displays, you can delete it using the **C** key and enter your own choice.

Security: set the data transmission mode. Choose **Secure** to protect your data against unauthorised access; otherwise, choose **Non-Secure**.

IP Address: enter the WAP gateway address required to connect to the Internet.

Bearer: select the bearer to be used for each type of network address accessed; **GPRS** or **Data**. The remaining options depend on the **Bearer** setting.

When the bearer is set to **Data**:

Login Name: enter the PPP server login ID.

Password: enter the PPP server password.

Dial-up Number: enter the PPP server's dial-up number.

Data Call Type: select a data call type from **Analogue** or **ISDN**.

When the bearer is set to **GPRS**:

User Name: enter the User ID required to connect to the GPRS network.

Password: enter the password required to connect to the GPRS network.

APN: enter the access point name used for the address of the GPRS network gateway.

Note: The WAP Browser settings may vary, depending on the service provider. Contact your service provider for further information.

Clear Cache *(Menu 7.2.4)*

You can clear the information stored in the cache, which is the phone's temporary memory used to store the most recently accessed Web pages.

Push Message *(Menu 7.2.5)*

This menu option allows you to receive and access Web messages from the server.

The following options are available:

Inbox: allows you to read the messages you received from the web server.

Receive: allows you to set whether or not the phone receives Web messages from the server.

Delete All: deletes all of the messages.

Radio *(Menu 7.3)*

You can listen to the FM radio on your phone by using the stereo ear-microphone supplied with the phone.

Notes:
- When the ear-microphone is disconnected, the radio automatically turns off.
- The quality of the radio broadcast depends on the radio station's coverage in that particular area.

To turn the radio on:

1. Plug the connector of the ear-microphone into the jack on the left side of the phone.

2. Select the **Radio** menu option (**Menu 7.3**) or press the Up key in Idle Mode.

   The name and the frequency of the radio channel which you last listened to display.

3. If you have already saved radio channels, scroll to the channel you want to listen to by using the Up and Down keys.

   Note: You can adjust the volume by Left or Right keys or the ▲ or ▼ keys. Use the # key to mute or unmute the sound.

4. If you want to use other phone functions while listening to the radio, press the **C** key or the ↩ soft key to exit the Radio screen.

On the radio screen, press the **Options** soft key to use the Radio options. The following options are available:

Channel List: stores up to 20 radio channels. When you select a channel from the list, the following options display:

Listen: allows you to listen to the radio channel.

Edit: allows you to edit the name and the frequency of the channel. For further details about entering text, see page 41.

Delete: deletes the channel from the list.

Auto Tuning: allows you to start channel search through available radio channels. Press the Up or Down key until you find the channel you want to listen to. Press the **Save** soft key to add it to the Channel List.

Manual Tuning: allows you to move the channel search 0.1 MHz upward or downward. Press the Up or Down key until you find the channel you want to listen to. Press the **Save** soft key to add it to the Channel List.

Set Frequency: If you know the frequency of the radio channel you want to save, between 87.5 MHz and 108.0 MHz, enter it and press the **Save** soft key.

Note: When entering a frequency, you don't need to enter a decimal point.

Radio Off: turns the radio off and returns to the idle screen.

Note: You can normally answer an incoming call while listening to the radio. The volume of the radio is automatically muted. When you end the call, the radio turns back on.

To turn off the radio, use the **Radio Off** option or disconnect the ear-microphone.

Downloads *(Menu 7.4)*

You can download MIDlets (Java applications running on mobile phones) from various sources using the WAP Browser and store them in your phone. You can view the list of MIDlets stored on the Games & More screen.

Note: Java services may be unavailable depending upon the service provider.

Games & More *(Menu 7.4.1)*

This menu option allows you to launch a MIDlet and access various menu options.

For more details about how to download MIDlets in the WAP Browser, see page 108.

Launching a MIDlet

1. From the Downloads screen, select the **Games & More** option.
2. Scroll to the MIDlet you want and press the **Launch** soft key.
3. Start the MIDlet using the soft keys.

Using the Menus

From the Main Screen, press the **Menu** soft key to access the following options. These menu functions are shown only when a MIDlet has been downloaded:

Info: displays information about the selected MIDlet, such as the file size, application version, vendor, and location of the jad file, which is the MIDlet description file.

Remove: removes the MIDlet. When the confirmation message appears, press the **Remove** soft key. To cancel your selection, press the **Cancel** soft key.

Update: accesses the server and updates the MIDlet.

Entering Text

When entering URL addresses, the following four input modes are available:

ABC: allows you to enter upper-case English characters.

abc: allows you to enter lower-case English characters.

123: allows you to enter numbers.

Sym: allows you to enter symbols. After highlighting a symbol by pressing the navigation keys, press the *i* key to insert it.

To change the text input mode, press the *i* key until the appropriate indicator appears on the soft key area of the display.

Sounds *(Menu 7.4.2)*

In this menu, you can view the list of sounds downloaded from the server. You can set the downloaded sounds as the current ring tone, but you cannot send the sounds to other phones.

When the memory is full, a warning message displays and the phone rejects additional sounds until you erase the obsolete ones.

Pictures *(Menu 7.4.3)*

In this menu, you can view the list of pictures downloaded from the server. You can set the downloaded pictures as the current background image, but you cannot send them to other phones.

When the memory is full, a warning message displays and the phone rejects additional pictures until you erase the obsolete ones.

DNS Setting *(Menu 7.4.4)*

The DNS (Domain Name Server) address of the Java server is preset at the factory, but sometimes you may need to change it. In this menu, you can determine whether or not the address is automatically updated.

Automatic: the server automatically transmits the address to the phone if it is changed.

Manual: you can manually change the address.

Solving Problems

Before contacting the after-sales service, perform the following simple checks. They may save you the time and expense of an unnecessary service call.

When you switch your phone on, the following messages may appear

Insert SIM Card

- Check that the SIM card is correctly installed.

Phone Locked Enter Password

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

Enter PIN

- You are using your phone for the first time. You must enter the Personal Identification Number supplied with the SIM card.
- The PIN Check feature is enabled. Every time the phone switched on, the PIN has to be entered. To disable this feature, use the **PIN Check** menu option (**Menu 5.6.1**).

Enter PUK

- The PIN code was entered incorrectly three times in succession and the phone is now blocked. Enter the PUK supplied by your network operator.

"No service," "Network failure" or "Not done" displays

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

You have entered a number but it was not dialled

- Have you pressed the key?
- Are you accessing the right cellular network?
- You may have set an outgoing call barring option.

Your correspondent cannot reach you

- Is your phone switched on (the key pressed for more than one second)?
- Are you accessing the right cellular network?
- You may have set an incoming call barring option.

Your correspondent cannot hear you speaking

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

The phone starts beeping and "**Warning** Low Battery" flashes on the display

- The battery is insufficiently charged. Replace the battery and recharge it.

The audio quality of the call is poor

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

No number is dialled when you recall a Phonebook entry

- Check that the number has been stored correctly, by using the Phonebook Search feature.
- Re-store the number, if necessary.

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

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

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

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 unauthorised use.

When requested for any of the codes explained below, enter the appropriate code, displayed as asterisks, and press the **OK** soft key. When you make a mistake, press the **C** key one or more times 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 **Security** menu options (**Menu 4.6**). See page 82 for further details.

Important! Avoid using access codes resembling emergency numbers, such as 112, so that you do not dial an emergency number accidentally.

Phone Password

The Phone Lock feature uses the phone password to protect your phone against unauthorised 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 83 (**Menu 4.6.3**).
change the phone password	Page 83 (**Menu 4.6.4**).

PIN

The **P**ersonal **I**dentification **N**umber or PIN (4 to 8 digits) protects your SIM card against unauthorised 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 82 (**Menu 4.6.1**).
change the PIN	Page 83 (**Menu 4.6.2**).

PUK

The 8-digit PUK (**P**IN **U**nblocking **K**ey) is required to change a disabled PIN. The PUK may be supplied with the SIM card. If not, or you have lost it, contact your service provider.

To re-enable your PIN:

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

If 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 84 (**Menu 4.6.7**).

PUK2

The 8-digit PUK2 (**P**IN **U**nblocking **K**ey **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.
2. Enter a new PIN2 of your choice and press the **OK** soft key.
3. When the **Confirm PIN2** message displays, enter the same code again and press the **OK** soft key.

If you enter an incorrect PUK2 ten times in succession, you will not be able to access the functions requiring the PIN2. Contact your service provider for a new card.

Barring Password

The 4-digit barring password is required when you use the Call Barring function. You obtain the password from your service provider when you subscribe to this function.

You can change this password using the **Call Barring** menu option (**Menu 6.2**). See page 101 for further details.

Health and Safety Information

Exposure to Radio-Frequency Energy (FCC RF EXPOSURE INFORMATION)

In August 1996 the Federal Communications Commission (FCC) of the United States with its action in Report and

Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of this phone complies with the FCC guidelines and these international standards.
Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the phone, or result in violation of FCC guidelines.

Do not use the phone with a damaged antenna. If a damaged antenna comes in contact with the skin, a minor burn may result. Please contact your local dealer for a replacement antenna.

Body-worn Operation

To comply with FCC RF exposure requirements, a minimum separation distance of 0.6 inches (1.5cm) must be maintained between the users body and the phone, including the antenna. The use of third-party belt-clips/holsters with no metallic components that

provide the minimum separation distance of 0.6 inches (1.5cm) can be used to satisfy FCC RF exposure requirements. The use of non-tested accessories may not comply with FCC RF exposure requirements

and should be avoided.

(SAR Information)

This phone meets European Union (EU) requirements concerning exposure to radio waves.

Your mobile phone is a radio transmitter and receiver. It is designed and manufactured, so as not to exceed the limits for exposure to radio-frequency (RF) energy, as recommended by the EU Council. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines were developed by independent scientific organisations through the periodic and thorough evaluation of scientific studies. The limits include a substantial safety margin designed to ensure the safety of all persons, regardless of age and health.

The exposure standard for mobile phones employs a unit of measurement known as SAR (Specific Absorption Rate). The SAR limit recommended by the EU Council is 2.0W/kg.*

* The SAR limit for mobile phones used by the public is 2.0 watts/kilogram (W/kg) averaged over ten grams of body tissue. The limit incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements. The SAR values may vary depending on national reporting requirements and the network band.

SAR tests are conducted using standard operating positions 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 base station, the lower the power output of the phone.

Before a new model phone is available for sale to the public, compliance with the European R&TTE Directive must be shown. This directive includes as one of its essential requirements the protection of the health and safety of the user and any other person.

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 and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.

- If left unused, a fully charged battery will discharge itself over time.
- Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and lifetime of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0 °C (32 °F).
- Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and – terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.
- Dispose of used batteries in accordance with local regulations. 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.

1. Get to know your wireless phone and its features, such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.

2. When available, use a hands-free device. If possible, add an extra layer of convenience and safety to your wireless phone with one of the many hands-free accessories available today.

3. Position your wireless phone within easy reach. Be able to access your wireless phone without removing your eyes from the road. If you get an incoming call at an inconvenient time, let your voice mail answer it for you.

4. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice and even heavy traffic can be hazardous.

5. Do not take notes or look up phone numbers while driving. Jotting down a To Do list or flipping through your phonebook takes your attention away from your primary responsibility, driving safely.

6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.

7. Do not engage in stressful or emotional conversations that may be distracting. Make 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.

8. 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!

9. 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.

10. Call roadside assistance or a special non-emergency wireless assistance number when necessary. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or 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 minimise 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.

Posted Facilities

Switch off your phone in any facility where posted notices require you to do so.

Potentially Explosive Atmospheres

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 refuelling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

Emergency Calls

This phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user-programmed functions, which cannot guarantee connection in all conditions. Therefore, you should never rely solely on any wireless phone for essential communications (medical emergencies, for example).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

To make an emergency call, proceed as follows.

1. If the phone is not on, switch it on.
2. Key in the emergency number for your present location (for example, 112 or any other official emergency number). Emergency numbers vary by location.
3. Press the key.

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

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

Other Important Safety Information

- Only qualified personnel should service the phone or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.
- For vehicles equipped with an air bag, remember 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 may be dangerous to the operation of the aircraft, and is illegal.
- Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Care and Maintenance

- 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 touch the phone with a wet hand while it is charging. 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. Unauthorised 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.

Glossary

To help you understand the main technical terms and abbreviations used in this booklet and take full advantage of the features on your mobile phone, here are a few definitions.

Active Folder

Ability to answer a call simply by opening the phone.

Call Barring

Ability to restrict outgoing and incoming calls.

Call Diverting

Ability to reroute calls to another number.

Call Holding

Ability to put one call on standby while answering or making another call; you can then switch between the two calls, as required.

Call Waiting

Ability to inform users that they have an incoming call when engaged on another call.

Caller Line Identification Services (Caller ID)

Services allowing subscribers to view or block the telephone numbers of callers.

GPRS (General Packet Radio Service)

New non-voice value-added service that allows information to be sent and received across a mobile telephone network. GPRS guaranties continuous connection to the Internet for mobile phone and computer users. It is based on the Global System for Mobile Communication (GSM) circuit-switched cellular phone connections and the Short Message Service (SMS).

GSM (Global System for Mobile Communication)

International standard for cellular communication, guaranteeing compatibility between the various network operators. GSM covers most European countries and many other parts of the world.

Java

Programming language generating applications that can run on all hardware platforms, whether small, medium or large, without modification. It has been promoted for and geared heavily to the Web, both for public Web sites and Intranets. When a Java program runs from a Web page, it is called a *Java applet*. When it is run on a mobile phone or pager, it is called a *MIDlet*.

Multiparty Calling

Ability to establish a conference call involving up to five additional parties.

Phone Password

Security code used to unlock the phone when you have selected the option to lock it automatically each time it switches on.

PIN (Personal Identification Number)

Security code that protects the phone against unauthorised use. The PIN is supplied by the service provider with the SIM card. It may be a four to eight-digit number and can be changed, as required.

PUK (PIN Unblocking Key)

Security code used to unlock the phone when an incorrect PIN has been entered three times in succession. The eight-digit number is supplied by the service provider with the SIM card.

Roaming

Use of your phone when you are outside your home area (when travelling for example).

SDN (Service Dialling Numbers)

Telephone numbers supplied by your network provider and giving access to special services, such as voice mail, directory inquiries, customer support and emergency services.

SIM (Subscriber Identification Module)

Card containing a chip with all the information required to operate the phone (network and memory information, as well as the subscriber's personal data). The SIM card fits into a small slot on the back of the phone and is protected by the battery.

SMS (Short Message Service)

Network service sending and receiving messages to and from another subscriber without having to speak to the correspondent. The message created or received can be displayed, received, edited or sent.

Soft Keys

Two keys marked and on the phone, the purpose of which:

- varies according to the function that you are currently using.
- is indicated on the bottom line of the display just above the corresponding key.

Tri Band

Ability to handle any of the following types of network: GSM 900, GSM 1800, combined GSM 900/1800 and GSM 1900 MHz bands, for greater call success and wider roaming.

Your phone automatically searches for the last network used. If, for any reason, this network is unavailable, your phone will attempt to register with a different network.

Voice Mail

Computerised answering service that automatically answers your calls when you are not available, plays a greeting (optionally in your own voice) and records a message.

Index

A

Access codes • 123
Accessories • 9
Active folder • 87
Alarm (5.4) • 95
Alert type (3.3) • 75
Anykey answer • 87
Auto light, set • 86
Auto redial, set • 87
Autopower alarm • 96

B

Background image • 80
Backlight • 15, 85
Band Selection (6.7) • 106
Barring
    calls (6.2) • 100
    password • 101, 126
Battery
    charging • 19
    installing • 18
    low battery indicator • 20
    precautions • 128
    removing • 17
Broadcast (1.9) • 69
Browser, WAP (7.2) • 108

C

Calculator (5.5) • 96
Calendar (5.1) • 89
Caller ID (6.5) • 104
Calls
    answering
        a call • 25
        a second call • 50
    barring (6.2) • 100
    cost (2.5) • 73
    dialled (2.3) • 72
    diverting (6.1) • 98
    ending • 23
    holding • 47
    international • 22
    making • 22
    missed • 26, 71
    multi-party • 51
    received (2.2) • 71
    records (2) • 71
    redialling automatically • 87
    time (2.4) • 72
    via phonebook • 35
    waiting • 50, 102
Card, SIM
    installing • 17
    locking • 84
Changing
    barring password • 101
    password (4.6.4) • 83
    PIN (4.6.2) • 83
    PIN2 (4.6.7) • 84
Characters
    changing mode • 42
    entering • 41
Closed User Group (6.6) • 104
Conference call • 51
Connect tone • 78
Contrast, external LCD • 85
Copying
    memos • 91
    phonebook number • 34
    task • 93
Cost of call • 73
CUG • 104
Currency exchange (4.6) • 97

D

Date setting (5.3.2) • 94
Deleting
    memos • 91
    messages • 60, 61
    missed calls • 71
    phonebook number • 34
    tasks • 93
Dialled calls (2.3) • 72

Display
contrast • 85
icons • 14
language, change • 82
layout • 13
Downloads (6.3) • 116

E

Earpiece volume • 24
Editing
memos • 90
messages • 60, 61
missed calls • 71
phonebook number • 34
tasks • 93
to do list • 92
Error tone • 78
External display
contrast • 85
External display • 15

F

FDN mode • 84
Fixed Dial Number mode • 84
FM radio • 114
Folder tone (3.6) • 77
Funbox (7) • 107
Functions, select • 29

G

Games (7.1) • 107
Graphic logo • 86
Greeting message (4.3) • 81
Groups
caller • 37
user • 104

I

Icons
description • 14
Incoming messages (1.1) • 59
Infrared activate (4.1) • 79
Internet • 108
IrDA port • 79

K

Key tones
adjusting volume • 24
muting • 49
selecting (3.4) • 75
sending • 49
Keypad tone (3.4) • 75
Keys
description • 11, 14
location • 10

L

Language (4.5) • 82
Last number, redial • 23
Length of calls • 72, 78
Letters
changing mode • 42
entering • 41
Light
backlight • 15, 85
service • 16, 86
Locking
phone (4.6.3) • 83
SIM card (4.6.5) • 84
Low battery indicator • 20
Lower-case characters
entering • 44

M

Media items • 66
Memory status
message (1.7) • 67
phonebook • 40
Memos
copying • 91
deleting • 91
editing • 90
writing • 90
Menus
accessing by scroll • 53
accessing by shortcuts • 54
list • 54

Message tone (3.5) • 76
Messages
listening to voice • 68
reading • 59, 60
setting • 65
writing • 62
Microphone, mute • 48
Minute minder • 78
Missed calls • 71
Missed calls• 26
Morning call • 95
Multi-party calls
dropping • 52
making • 51
private conversation • 51
Muting
key tones • 49
microphone • 48

N

Names
entering • 41
searching/dialling • 35
storing • 31
Network selection (6.4) • 103
Network services (6) • 98
Numbers
copying phonebook • 34
correcting • 22
erasing • 34
fixed dial • 84
own • 81
pasting phonebook • 34
searching/dialling • 35
storing • 31

O

Options, select • 29
Organiser (5) • 89
Outgoing messages (1.2) • 60
Own number (4.4) • 81

P

Password
barring
changing • 101
description • 126
phone
changing • 83
description • 123
Phone
lock (4.6.3) • 83
password • 123
switching on/off • 21
Phonebook
copying • 34
editing • 34
erasing • 34
options • 34
pasting • 34
searching/dialling • 35
speed-dialling • 38
storing numbers/names • 31
PIN
changing • 83
checking • 82
code • 124
PIN2
changing • 84
code • 125
Power on/off tone (3.7) • 77
Problems, solve • 120
PUK • 124
PUK2 • 125

R

Radio (7.3) • 114
Read messages (1.1) • 59
Received calls (3.2) • 71
Redialling
automatically • 87
last number • 23
Reset setting (4.9) • 88
Ring
tone (3.1) • 74
type (3.3) • 75
volume (3.2) • 74
Roaming • 103

S

Safety
- information • 127
- precautions • 7

Schedule • 89
Security (4.6) • 82
Service light • 16, 86
Silent mode • 28
SIM card
- installing • 17
- locking • 84

SIM Lock (4.6.5) • 84
SMS, using • 50, 59
Soft keys, using • 29
Sound settings (3) • 74
Speed-dialling • 38

T

T9 mode • 43
Tasks
- defining • 91
- editing • 92

Templates, message (1.4) • 64
Text
- changing mode • 42
- entering • 41

Text messages
- broadcast (1.9) • 69
- inbox (1.1) • 59
- memory status (1.7) • 67
- outbox (1.2) • 60
- settings (1.5) • 65
- templates (1.4) • 64
- writing (1.3) • 62

Time
- call • 72
- format (5.3.4) • 94
- setting (5.3.1) • 94
- world (5.3.3) • 94

To do list (6.2) • 91
Tone
- connect • 78
- error • 78
- folder • 77
- keypad • 75
- message • 76
- power on/off • 77
- ring • 74

Travel adapter • 19

U

Upper-case characters
- entering • 44

User group • 104

V

Vibration • 75
Voice mail (1.8) • 68
Voice server • 68
Volume
- adjusting • 24
- ring, select • 74

W

Waiting call • 50, 102
Wallpaper • 80
WAP Browser (7.2) • 108
World time (5.3.3) • 94

Tri Band SGH-X400 GPRS Telephone

Quick Reference Card

Switch On/Off	Press and hold the key.
Make a Call	① Enter the number. ② Press the key.
End a Call	Briefly press the key.
View Missed Calls Immediately After Missing Them	① Open the phone and press the **View** soft key. ② Scroll with the Up and Down keys through the missed calls. ③ To return the call, press the key.
Access the Menu Functions	① Press the **Menu** soft key. ② Scroll with the Up and Down keys through the list of the menus until you reach the required menu. ③ Press the **Select** soft key. ④ Scroll with the Up and Down keys through the list of the options until the required one is selected. ⑤ Press the **Select** soft key.

- *Each of the two soft keys (and) perform the function indicated by the text above it, on the bottom line of the display.*

Answer a Call	Open the phone or Press the key.
Adjust the Volume	Press the ▲ or ▼ key on the left side of the phone.
Choose the Alert Type	① Select the **Alert Type** menu option (**Menu 3.3**). ② Select an option: • **Light only** • **Melody** • **Vibration** • **Vibra+Melody** ③ Press the **Select** soft key.
Store Numbers in Phonebook	① Enter the number and press the **Save** soft key. ② Select an icon for label. ③ Press the **Select** soft key. ④ Enter the name.
Store Numbers in Phonebook (continued)	⑤ Press the **OK** soft key. ⑥ If necessary, change the memory (**To Card** or **To Phone**). ⑦ If necessary, change the location number. ⑧ Press the **OK** soft key. ⑨ Press to return to Idle Mode.
Search for a Number in Phonebook	① Press the **Name** soft key. ② Select the **Search** option. ③ Enter the first few letters of the name. ④ To scroll through the names, press the Up or Down key. ⑤ Press the **View** soft key. ⑥ To scroll through the numbers, press the Up or Down key. ⑦ Press the key to dial.

Declaration of Conformity (R&TTE)

For the following product:

TRI BAND GPRS TELEPHONE SGH-X400

(Product Name)

SGH-X400

(Model Number)

Manufactured at:

- Samsung Electronics, 94-1 Imsu-Dong, Gumi City, Kyung Buk, Korea, 730-350
- Samsung Electronics Iberia, S.A., Pol. Ind. Riera de Caldes, Via Augusta, n-10 08184 Palau de Plegamans, Barcelona, Spain

(Factory Name, Address)

We hereby declare that [all essential radio test suites have been carried out and that] the above named product is in conformity with all the essential requirements of Directive 1999/5/EC.

The conformity essessment procedure referred to in Article 10 and detailled in annex [IV] of Directive 1999/5/EC has been followed with the involvement of the following Notified Body(ies):

BABT, Claremont House, 34 Molesey Road, Walton-on-Thames, KT12 4RQ, UK - Identification mark: 168

The technical documentation kept at:

Samsung Electronics Euro QA Lab.

which will be made available upon request.

(Manufacturer)

Samsung Electronics Co., Ltd.
Suwon P.O.Box 105
Kyungki-Do, Korea 440-600
15/11/2002

JUNGKWAN CHOI / S. Manager

(place and date of issue) (name and signature of authorised person)

(Representative in the EU)

Samsung Electronics Euro QA Lab.,
Blackbush Business Park, Saxony Way,
Yateley, Hampshire, GU46 6GG, UK
15/11/2002

IN-SEOP LEE / Manager

(place and date of issue) (name and signature of authorised person)