



Welcome

Congratulations on choosing the Samsung SGH-Z100.

Your new Samsung SGH-Z100 uses 3G(3rd Generation) technology to make possible data connections at faster than broadband speeds, enabling video capture using its built-in camcorder, and sending and receiving streaming video, including video calls.

The SGH-Z100 features today's most advanced technology including a built-in rotating digital camera and high-quality TFT colour screen that reproduces 260,000 different colour shades/four times most other colour screen). It also features 40 polyphonic ring tones.

And all its features are already enabled through your local Vodafone network--nothing to set up except your Email address details.



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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 the area you are in 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.

Important Safety Precautions

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 features are in use, deactivate those features before making 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-resistant. 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 113.

Unpacking

Your package contains the following items:



Phone



Travel Adapter



Batteries



Owner's Manual



Finger Strap



Ear-Microphone

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

- Battery charger
- Simple Hands-free kit
- Data kit

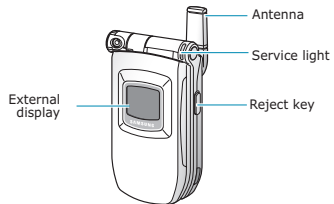
Note: You can use only the supplied or particular ear-microphone for Z100 model.

Your Phone

Phone Layout

The following illustrations show the main elements of your phone:

Closed View



Open View



Key



(soft keys)

Description

Perform the functions indicated by the text above them, on the bottom line of the display.



In the menu mode, scrolls through the menu options.



In the menu mode, selects the highlighted menu or option.
In the idle mode, turns the camera on to allow you to take a picture.



Makes or answers a call.
In the idle mode, access the call records.



Runs call, message or Internet feature except quitting current application.



Deletes characters from the display.

Key

Description (Continued)



Ends a call.
Switches the phone on and off when held down.
In the menu mode, cancels your input and returns to the idle mode.



Enter numbers, letters and some special characters.



Used for various purposes in different functions.
The # key inserts a pause when held down while entering a number.
In the idle mode, the * key enters or exits the manner mode when held down.

Key **Description** (Continued)

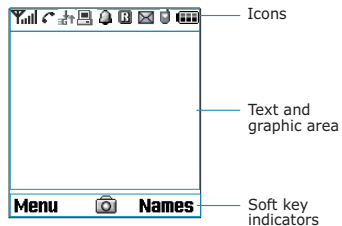
(on the left side of the phone)
During a call, adjusts the earpiece volume.
In the idle mode with the folder open, adjusts the key volume.
In the idle mode with the folder closed, turns on the external display's backlight when held down.



(on the right side of the phone)
Rejects incoming calls when the folder is closed.

Display**Display Layout**

The display has three areas.



Area	Description
First line	Displays various icons (see page 11).
Middle lines	Display messages, instructions and any information that you enter, number to be dialled, for example.
Last line	Shows the functions currently assigned to the two soft keys.

Icons

Icon	Description
	Shows the received signal strength. The greater the number of bars, the better the signal.
	Tells the calling mode. <ul style="list-style-type: none"> : Voice call is possible : Voice call is impossible : Video call is possible : Video call is impossible
	Tells the usage of 2G or 3G network. <ul style="list-style-type: none"> : You are in 3G network : You are not in 3G network : You are working in 3G network : You are in 2G network : You are not in 2G network : You are working in 2G network
	Appears when your phone is connected with PC running the internet wizard.
	Appears when you set an alarm.

Icon **Description**

	Appears when you are out of your home area and have logged onto a different network; for example, when travelling in other countries.
	Tells the type of received message. <ul style="list-style-type: none"> : Email message : Multimedia message : Short message : Voice mail : Configuration message
	Tells you your phone's sound mode. <ul style="list-style-type: none"> : Normal mode : Silent mode : Meeting mode : Drive mode : Outdoor mode
	Shows the level of your battery. The more bars you see, the more power you have left.

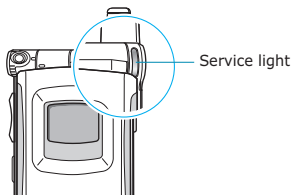
External Display

Your phone has an external display on the folder cover. It indicates when you have an incoming call or message, and alerts you at the specified time when you set an alarm.

When you hold down one of the volume keys, the external display backlight illuminates.

Service Light

The service light is at the top right corner of the phone. The light flashes when you are in a service area. It also flashes when you switch your phone on or off.



Getting Started

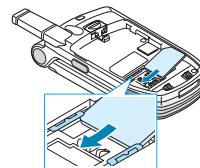
Inserting/Removing the SIM Card

Your Vodafone SIM Card is already loaded with your subscription details, such as your PIN.

- Keep SIM cards out of the reach of small children.
- The SIM card and its contacts can easily be damaged by scratches or bending, so be careful when handling, inserting or removing the card.
- When installing the SIM card, always make sure that the phone is switched off before you remove the battery.

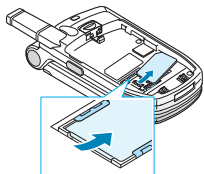
Inserting the SIM Card

1. If necessary, remove the battery by referring to page 15.
2. Insert and slide the SIM card under the two tabs, ensuring that the notched corner is top left and the gold contacts of the card face down into the phone.



Removing the SIM Card

To remove the SIM card, slide the card out of the holder, as shown.



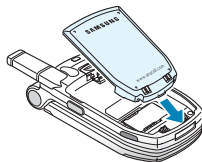
Installing/Removing/Charging the Battery

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

Note: You must fully charge the battery before using your phone for the first time. A discharged standard battery is fully recharged in approximately 120 minutes.

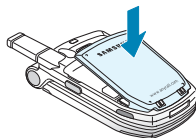
Installing the Battery

1. Insert the teeth on the bottom of the battery into the corresponding slots on the phone.




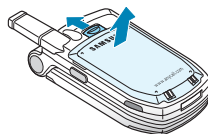
2. Press the battery against the back of the phone until it clicks into place.

Make sure that the battery is properly installed before switching the phone on.



Removing the Battery

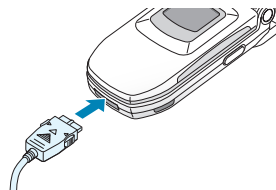
1. If the phone is on, switch it off first by pressing and holding the  key until the power-off animation is displayed.
2. To remove the battery, press and hold the catch above the battery. Lift the battery away from the phone.



Charging the Battery Using the Travel Adapter

Note: The phone can be used while the battery is being charged, but this causes the battery to charge more slowly.

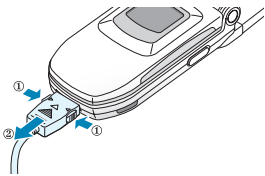
1. Plug the connector of the travel adapter into the bottom of the phone. Check that the arrow on the connector is facing toward the front of the phone.



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

While the battery is charging, the battery icon at the top right-hand corner of the display is animated.

- When charging is finished, unplug the adapter from the power outlet and from the phone by pressing the grey buttons on both sides of the connector and pulling the connector out.




Charging the Battery Using the Battery Charger

- Plug the travel adapter connector into the bottom of the battery charger.
- Insert the teeth on the bottom of the battery into the slot on the battery charger and press the battery until it clicks into place.
- Plug the travel adapter into a standard AC wall outlet.

- Ensure that the adapter has been disconnected either from the charger or the wall outlet before removing the battery. To remove the battery, push and hold the catch on the charger and lift the battery away.


Low Battery Indicator

When the battery is weak and only a few minutes of talk time remain, the battery sensor informs you in the following ways:

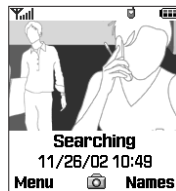
- An empty battery icon flashes ().
- You hear a warning tone.
- A message is repeated at regular intervals on the display.

When the battery becomes too weak for the phone to operate, it switches off automatically.


Switching the Phone On or Off

- Open the phone.
- Press and hold the  key until the phone switches on.
- If the phone asks for a PIN, enter the PIN code and press the **Unlock** soft key. For further details, see page 123.



The phone begins searching for your network. When it finds the network, you can see the network operator's name. Only when it has found the network, you can make or receive a call.



Note: The SIM card determines the display language. To change the language, use the **Language** menu option (**Menu 9-1-3**); for further details, see page 96.

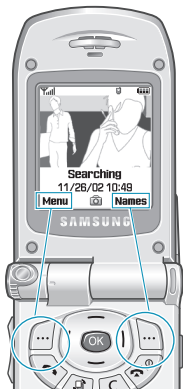
- To switch the phone off, press and hold the  key until the power-off animation displays.

Selecting Functions and Options

Your phone offers a set of functions to enable 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 labels on the bottom line of the display just above the keys indicate their current roles.

Example:



Press the left soft key to access the main menu mode.

Press the right soft key to access the internet.

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

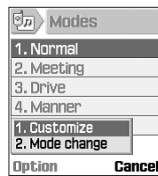
1. Press the appropriate soft key.

To	Press the
select the: <ul style="list-style-type: none"> • function displayed • option highlighted 	Select/Save soft key or the OK key. If it is numbered, you can press the corresponding number key.
scroll up or down through the menus or options	— or — key.
scroll left or right through the menus or options	or key.
move back up one level in the structure	Back/Cancel/Exit soft key.
return to the idle mode	Close soft key or the key.

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

Using an Option list

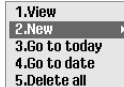
When you press the **Options** soft key in a function, a list of the options available displays.



When the options don't display in the option window, you can see the up or down arrow on both ends of the list.

To	Press
scroll through the list	the — or — key.
select the option highlighted	the OK key or the corresponding number key.
exit the menu and return to the previous screen	the Cancel soft key.

When an option has sub-options, an arrow displays on the right.

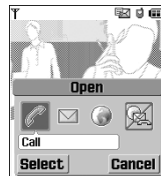


Press the **OK** or | key and the sub-option list appears. You can use it the same way as a normal option list.

To disappear the sub-option list, press the | key.

Switching Applications

When you press the Application switch key (), you can launch Call, Messages or Vodafone live! application and end the running applications among them.



Note: You can not open this window, when another popup window such as Incoming call, Low battery, etc. is opened.

Making a Call Using Contacts

You can store contact information, such as names and phone numbers, that you use regularly in the SIM card and the phone's memory. For more information about adding contacts, see page 56.

1. Find the number you want to dial.
For further details about searching for a number, see page 55.
2. To dial the number, press the **↶** key.

Viewing Missed Calls

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

If you have a subscription that includes the Caller Line Identification (CLI) feature and you are unable to answer a call for any reason, you can find out who is calling you and then call the person back.

To view the missed call immediately:

1. Open the folder. The pop up window shows that you have missed calls.
2. To dial the number displayed, press the **↶** key.

To use the missed call options, see page 52.

Making a Call Using a Pause

When you call automated systems, like banking services, you are often required to enter a password or account number. Instead of manually entering the numbers each time, you can enter them before dialling, separated by a pause.

1. In the idle mode, enter the first number of a service, such as the bank's teleservice number.
2. Press and hold the ***** key to insert a pause.
A "P" appears, meaning that a pause will occur at that point in the dialling sequence.
3. Enter the number that needs to follow the pause, such as your account number.

4. Repeat steps 2 and 3 to add more pauses and numbers, if necessary.
5. Press the **↶** key to dial.
6. When prompted, press the **↶** key to send the DTMF (Dual Tone Multi-frequency) tones of the number that follows the pause.
The number is sent to the system.
7. Repeat Step 6, as you are prompted.

Ending a Call

When you want to finish your call, briefly press the **↶** key or close the folder or press the **Exit** option in the call options.

Answering a Call

When someone calls you, the phone rings and an incoming call box displays.

If the caller can be identified, the caller's phone number, or name if stored in your phonebook, displays. If the incoming call is a restricted number, the display shows **Withheld**; if it is unknown, the display shows **Anonymous**.

1. To answer a call, open the folder. If it is already open, press the **↶** key or the **Accept** soft key.
2. End the call by closing the folder or pressing the **↶** key.

Note: You can answer a call while using menu features. The current operation is cancelled.

Rejecting a Call

To reject an incoming call, press the **Ⓜ** key on the right side of the phone.

When the phone is open, you can also press the **Reject** soft key.

Adjusting the Volume

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

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



You can also adjust the key tone volume in the idle mode with the folder open using these keys.

Accessing 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. Of these two calls, one is active and the other is on hold and you can switch between them.

To place a call on hold, simply press the **Hold** soft key. You can reactivate the call whenever you want, by pressing the **Unhold** soft key.

Making a Second Call

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

1. Press the **Options** soft key.
2. Select **New call** and press the **OK** key.

3. Enter the phone number you want to dial and press the **Call** key to make the second call.

The first call is automatically put on hold.

Note: You can first enter a phone number and then press the **Options** soft key. Then select the **New call** option.

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.

To end the current call, press the **End Call** key. The call on hold is still on hold. To reactivate this call press the **Unhold** soft key.

To end both calls at one time, close the folder, or press the **Options** soft key and select **Exit**.

Answering a Waiting Call

You can answer an incoming call while you have a call in progress, if this service is supported by the network and you have activated the **Waiting** menu option; see page 101. Your phone alerts you to an incoming call by sounding a call waiting tone.

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

1. Press the **Accept** soft key to answer the incoming call.

The first call is automatically put on hold.

2. To switch between the two calls, press the **SWAP** soft key.

To end the current call, press the **End Call** key. The call on hold is automatically activated.

To end both calls at one time, close the folder, or press the **Options** soft key and select **Exit**.

Making a Conference Call

The Conference Call feature is a Vodafone service that allows up to five people to take part simultaneously in a call. You can make a conference call by making or receiving another call while you are on one active call.

Setting up the Conference Call

1. Call the first participant in the normal way.
2. Make a second call, referring to page 24.
OR
Answer a waiting call, referring to page 25.
3. To join the first participant to the conference call, press the **Options** soft key and select **Join** using the — and — keys.
4. Press the **OK** key.
5. To add a new person to the conference call, repeat steps 2 to 4, as needed.

Holding a Private Conversation With One Participant

To speak privately with one person during a conference call:

1. Press the **Options** soft key and select **Split**. Press the **OK** key.
2. Press the — or — key to scroll to the participant you want to split and press the **OK** key.

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


You can switch between the conference call and the split call by pressing the **SWAP** soft key.
3. To return to the conference call, press the **Options** soft key and select **Join**. Press the **OK** key.

All the conference call participants can now hear each other.

Removing One Participant

1. Press the **Options** soft key and select the **Drop** option. Press the **OK** key.
2. Press the — and — key to scroll to the participant you want to remove and press the **OK** key.

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

You can end the conference call by closing the phone or pressing the  key.

Searching Contacts

You can search for a number in your Contacts during a call.

1. Press the **Options** soft key.
2. Press the — and — key to select **Contacts** and press the **OK** key.

3. Enter the first few letters of the name you want to find.

For further details about entering text, see page 31.

For further details of the Contacts feature, see page 58.

Send an SMS Message

You can send an SMS (Short Message Service) message during a normal call or conference call. You can send the message to other people as well as your current call participants.

1. Press the **Options** soft key.
2. Press the — or — key to select **Send message** and press the **OK** key.

The list of all the call participants appears.
3. Scroll to the person to whom you want to send the message and press the **OK** key.

A check mark appears in front of the selected person. Repeat this step as needed.

- When you finish selecting recipients, press the **Write** soft key.
- Write your message and press the **Next** soft key.

For further details about entering text, see page 31.

- Enter any other phone number to which you want to send the message.

If you want to add more numbers, press the **—** key and enter a number. Repeat as needed.

- When you finish entering the numbers, press the **SMS** soft key.

For more information on the SMS feature, refer to page 67.


Switching the Microphone Off (Mute)

You can temporarily switch your phone's microphone off, so that person you are talking to cannot hear you.

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

To switch the microphone off temporarily:

- Press the **Options** soft key.
- Press the **—** or **—** key to select **Mute** and press the **OK** key.

The Mute icon () appears on the display and your party can no longer hear you.

To switch the microphone back on:

- Press the **Options** soft key.
- Press the **—** or **—** key to select **Unmute** and press the **OK** key.

The Mute icon disappears.

Sending DTMF Tones

You can send a number to the other person during a call. The number sent will appear on the display of the other person's phone.

- Press the **Options** soft key.
- Press the **—** or **—** key to select **DTMF** and press the **OK** key.
- Enter the number you want to send and press the **Send** soft key.

Using Video Call Features

When in a 3G service area, your phone can make or receive a video call which allows you to see another person on the screen during a conversation. The other person's phone must have the video call feature.

Note: If the other person does not turn the camera on, you will not be able to see him or her. You can communicate only by voice.

Making a Video Call

- In the idle mode, enter a phone number to dial. You can also use the phone number in the call records.

Or,

Turn on the camera on your phone by pressing the **OK** key.

- Press the **Dial** soft key and enter a phone number.
- Press the **V-Call** soft key.

When your call is connected, the other person appears on the screen.

Whenever you press the **Show me** soft key, the image of the person on the screen switches to another.

Press the **Mute** soft key to mute the **Voice**, **Camera(Video)**, **Voice-Video all** and **Keystone**.

Receiving a Video Call

You can receive a video call the same as receiving a normal call, except that you can see the person on the screen.

See page 23 for details about answering a call.

Changing the View Options

You can change the screen mode for video calls to PIP (Picture-in-Picture). In the PIP mode, the display has a main and a sub-frame where you can see yourself on the screen, as well as the other person.

To change the screen mode, press the **View** soft key until you see the desired status. The following modes are available:

- See the other person only in the main frame
- See yourself only in the main frame
- See the other person in the main frame and yourself in the sub-frame
- See yourself in the main frame and the other person in the sub-frame

Turning Your Voice or Video On or Off

You can mute your voice or turn the video off during a video call.

During a video call, press the **Options** soft key to display the option list.

The following options are available:

Mute voice: mutes your voice. The other person can see you, but cannot hear you.

Mute camera: turns camera off. The other person can hear you, but cannot see you.

Mute all: mutes your voice and turns camera off. The other person cannot hear or see you.

Mute keytone: mutes your keytones.

Flip image: turns image on the display upside down during video calls.

Entering Text

You may need to enter text, when storing a name in the phonebook, creating your personal greeting or scheduling events in your calendar.

Your phone has the following text input modes:

- **T9 mode***
This mode allows you to enter words with only one keystroke per letter. Each key on the keypad has more than one letter. For example, when you press the **5** key once, J, K or L may be displayed. 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 ABC mode.
- **ABC mode**
This mode allows you to enter letters by pressing the key labelled with the required letter once, twice, three or four times until the required letter is displayed.

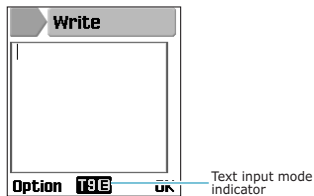
- **Number mode**
This mode allows you to enter numbers.
- **Symbol mode**
This mode allows you to enter special characters, like punctuation marks.

Changing the Text Input Mode

When you are in a field that allows characters to be entered, the text input mode indicator appears at the bottom of the display.

* T9 is a registered trademark of Tegic Communications, Inc. and is licensed under U.S. Patent 5,818,437/ 5,953,541/ 6,011,554.

Example: When you write a text message, the following screen displays:



Quickly Changing the Text Input Mode

To select the	Press the OK key until
T9 mode	T9E displays. See page 32. The letter after T9 indicates which language you are using.
ABC mode	abc displays. See page 34.
Number mode	123 displays. See page 35.
Symbol mode	SYM displays. See page 35.

To switch between the	Press and hold the
Number and previous mode	# key.
Symbol and previous mode	* key.

Using T9 Mode

To type a word in the T9 mode:

1. Start entering the word by pressing the keys **2** to **9**. Press each key only once for each letter.

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

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

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

3. If the word is correct, start entering the next word. Otherwise, press the **0** key to display alternative word choices for the keys that you 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.
5. Continue entering any other words in the T9 mode.

If **Spell** appears above the left soft key while you are entering text, the word does not exist in the T9 dictionary. To type words not found in the T9 mode, change the text input mode to the ABC mode, or proceed as follows:

1. Press the **Spell** soft key.
2. Enter the word you want to add using the ABC mode (see page 34) and press the **Add** soft key.

The word is saved in the T9 dictionary and inserted in the input field.

3. Continue entering other words in the T9 mode.

Smart Punctuation

To enter periods, hyphens or apostrophes, press the **1** key. The T9 mode applies rules of grammar to insert the correct punctuation.

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



Changing the Case

To change the case of the next letters that you type, press the ***** key. There are three cases:

- Lower Case (**T9E**)
- Initial Capital (**T9↑**)
- Capital Lock (**T9↓**)

Scrolling

To move the cursor to the left or right within the text, press the **|** or **|** key.

Clearing Letters and Words

To delete letters, press the **C** key. Press and hold down the **C** key to clear the display.

Using the ABC Mode

When typing in the ABC mode, press the key labelled with the required letter:

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

Example: To display the letter "c", quickly press the **2** key three times. To display the letter "k", press the **5** key twice. For this reason, this method is called Multi-tap typing.

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 a few seconds for the cursor to automatically move to the right or press the **|** key and then enter the next letter.

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

Key	Upper Case	Lower Case
1	.,?!'1@_ - :	.,?!'1@_ - :
2	ABC2Ä Å Æ Γ	abc2ää äæ Γ
3	DEF3É Δ Φ	def3éè Φ
4	GHI4Γ Ψ	ghi4ι Ψ
5	JKL5Λ	jkl5λ
6	MNO6Ñ Ø Ö	mno6ñ ø ö
7	PQRS7Π Σ Ξ	pqrs7β σ ξ
8	TUV8Û Ü	tuv8ü ü
9	WXYZ9Ω	wxyz9Ω
0	0	

Changing the Case

To change the case of the next letters that you type, press the ***** key. There are three cases:

- Lower Case (**abc**)
- Initial Capital (**Abc**)
- Capital Lock (**ABC**)

Inserting a Space

To insert a space between words, press the **#** key.

Scrolling

To move the cursor to the left or right within the text, press the **|** or **|** key.

Clearing Letters and Words

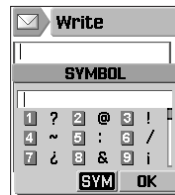
To delete letters, press the **C** key. Press and hold the **C** key down to clear the display.

Using the Number Mode

You can enter numbers in the Number mode. Press the keys corresponding to the required digits.

Using the Symbol Mode

You can insert symbols into a text message. The text message you've entered is shown in the symbol entering field. Move the cursor to the position you enter a symbol using the **|** or **|** key.



To	Press the
display more symbols	— and — key.
select a symbol	corresponding number key. The selected symbol displays in the input box.
clear a symbol from the input box	C key.
insert the edited message in the symbol entering field into your text	OK key.

Using Menu Functions

Your phone offers a range of functions that allow you to tailor the phone 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 the idle mode, press the **Menu** soft key to access the menu.
2. Scroll with the navigation keys to reach the required main menu. Press the **OK** key to enter the menu.
3. If the menu contains sub-menus, you can access them by scrolling with the **Up** and **Down** keys and pressing the **Select** soft key.

If the menu that you have selected contains further options, repeat the same procedure.

To	Press the
scroll through the menus	Up or Down key.
confirm the chosen setting	Select or Save soft key or the OK key.
return to the previous menu level	Back , Cancel or Exit soft key.
exit the menu without changing the settings	End key or the close soft key, if available.

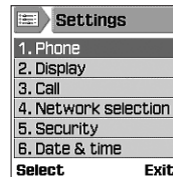
Example: Changing the Display Language

1. When the idle screen displays, press the **Menu** soft key to access the menu.

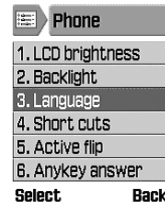
The startup screen of the first menu, **Messages**, displays.




2. Scroll through the menus by pressing the navigation keys until you reach the **Settings** menu. To access the **Settings** menu, press the **OK** key.

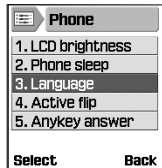


3. To access the **Phone** menu, press the **Select** soft key or **OK** key.





4. Scroll through the sub-menus until you reach the **Language** sub-menu, by pressing the **Down** key.

or  key and press the **Select** soft key or the **OK** key.




5. Press the **OK** key when Screen Text highlights.



6. Scroll through the list of languages by pressing the  or  key until the

appropriate one is highlighted. Press the **Select** soft key or the **OK** key.



7. Press the **Save** soft key to save the setting in the Language screen. Otherwise press the **Cancel** soft key.
8. Press the  key to exit the menu.




Accessing a Menu Function by Using its Shortcut

Some menus, sub-menus and options can be quickly accessed by using their shortcut numbers. Simply press the **Menu** soft key and enter the number.

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

They may not match the menu number on the phone. It depends on the services supported by your SIM card.

Example: Accessing the **Language** menu option.

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

List of Menu Functions

The following illustration shows the menu structure available and indicates the:

- number assigned to each option
- page on which you can find a description of each feature

1. APPLICATIONS

2. CALL LOG (see page 52)

- 2.1 All calls
- 2.2 Dialed calls
- 2.3 Missed calls
- 2.4 Received calls
- 2.5 Call cost
- 2.6 Call time

3. CONTACTS (see page 55)

- 3.1 Search contact
- 3.2 Add contact
- 3.3 Groups
- 3.4 Speed dial
- 3.5 My info
- 3.6 Settings
- 3.7 Service number
- 3.8 Memory Status

4. INTERNET (see page 62)**5. MESSAGES** (see page 67)

5.1 Create

- 5.1.1 Short msg.
- 5.1.2 Multimedia msg.
- 5.1.3 Media attach msg.
- 5.1.4 MMS postcard
- 5.1.5 MMS templates
- 5.1.6 Email

5.2 Inbox

5.3 Email box

5.4 Outbox

5.5 Drafts

5.6 Preset

5.7 Settings

- 5.8.1 Short msg.
- 5.8.2 Multimedia msg.
- 5.8.3 Email
- 5.8.4 Voice mail

5.8 Memory status

6. MY STUFF (see page 82)**7. ORGANISER** (see page 87)

- 7.1 Calendar
- 7.2 Today's event
- 7.3 Schedule
- 7.4 Anniversary
- 7.5 To do list
- 7.6 Memo
- 7.7 World clock
- 7.8 Calculator
- 7.9 Converter
- 7.10 Alarm

8. PROFILES (see page 94)

- 8.1 Normal
- 8.2 Meeting
- 8.3 Drive
- 8.4 Silent
- 8.5 Outdoor

9. SETTINGS (see page 96)

- 9.1 Phone
 - 9.1.1 LCD brightness
 - 9.1.2 Backlight
 - 9.1.3 Language
 - 9.1.4 Shortcuts
 - 9.1.5 Active folder
 - 9.1.6 Anykey answer
- 9.2 Display
 - 9.2.1 Greeting message

- 9.2.2 Wallpaper
- 9.2.3 Cover LCD
- 9.2.4 Main menu style

9.3 Call

- 9.3.1 Caller ID
- 9.3.2 Diverting
- 9.3.3 Barring
- 9.3.4 Waiting
- 9.3.5 Auto redial
- 9.3.6 Closed user group

9.4 Network selection

9.5 Security

- 9.5.1 Phone lock
- 9.5.2 SIM lock
- 9.5.3 PIN lock
- 9.5.4 Fixed dialling mode
- 9.5.5 Change phone password
- 9.5.6 Change PIN code
- 9.5.7 Change PIN2 code

9.6 Date & time

9.7 Own number

9.8 Memory status

9.9 Master reset

4. The photo is saved automatically and then

To	Press the
use the options	Options soft key. For details about the options, see below.
delete the image file	Delete soft key.
return to the capture mode	OK key.
turn the camera off and return to the idle mode	⏏ key. The photo is saved automatically.

When you press the **Options** soft key in Step 4, the following options are available:

Capture viewfind: switches the screen to the capture view mode to allow you to take another picture.

Send

- **By Multimedia msg.:** allows you to send a multimedia message using the taken picture. For further details about sending multimedia messages, see page 68.

- **By Email:** allows you to send an Email using the taken picture.

Set to wallpaper: allows you to set the taken picture as wallpaper.

Rename: allows you to change the image file's name. For more information about entering characters, see page 31.

Exit: allows you to exit the camera menu.

You can see the pictures in the **Images** folder in the My stuff; see page 83.

Capture Mode Options

Press the **Options** soft key in capture mode:

Capture: captures a picture.

Record mode: turns to video recording mode. If you want to get an attachable video file to your message, select the **For message** option. Otherwise select the **10 Sec.**

Flip image: selects **Up-down** for flipping horizontally, **Left-right** for flipping vertically.

Timer: sets the phone to take a picture at a predefined time. Once you set the time, the

timer icon appear at the top of the screen. When you press the **OK** key, the phone takes a picture after a predefined time.

Multi shot: takes multi shots.

Open files: opens a file you want to open from the Multimedia Images folder.

Effects mode: allows you to change the colour tone of the picture. Sepia, Mono, Night and Normal are available.

Brightness: displays the tool bar adjusting the brightness of the picture.

Capture setting: sets default filename and adjusts the capture quality choosing Low, Normal, Fine, Super fine and Memory save. The Memory save option let you get lower quality but less memory usage.

Exit: returns to the idle mode.

Recording Video

You can use your phone just like a camcorder to record what is currently displayed on the camera screen and save it as a video file.

1. To turn on your camera, press the **OK** key.

You can see the picture to be recorded on the display.

2. Press the **Options** soft key. Select **Record** by pressing the **—** or **—** key and press the **OK** key.

3. Your phone starts recording. Recording time can be set for up to 30 seconds.

4. While recording video;

To	Press the
pause recording	Pause soft key.
resume paused recording	Record soft key.

To	Press the
stop recording	Stop soft key. The video automatically saves in the Videos folder.
use the options	Options soft key. For details about the options, see below.
delete the video file	Delete soft key.
return to the recording mode	OK key.
turn the camera off and return to the idle mode	⌂ key. The video is saved automatically.

5. When the recording time expires, the phone automatically saves the video in the **Videos** folder in the My stuff; see page 84.

When you press the **Options** soft key in step 4 and 5, the following options are available:

Viewfinder: switches the screen to the view finder mode to allow you to take another video.

Play file: allows to open a file from the Image folder in the My stuff.

Send

- **By Multimedia msg.:** allows you to send the video as part of a multimedia message. For further details about sending multimedia messages, see page 68.
- **By Email:** allows you to send the video as part of an Email.

Open files: You can open the stored picture files.

Rename: allows you to change the image file's name.

Exit: returns to the idle mode.

Record Mode Options

Press the **Options** soft key in capture mode:

Record: records video.

Capture mode: turns to the capture mode.

Flip image: selects **Up-down** for flipping horizontally, **Left-right** for flipping vertically.

Record settings: adjusts the capture quality choosing Low, Normal, Fine, Super fine and Memory save. The Memory save option let you get lower quality but less memory usage.

Exit: returns to the idle mode.

Media Player

Media Player plays audio and video files you downloaded to the phone. You can listen to the music or see a movie with the Media Player.

It is used when:

- you view a media file in the **Multimedia** menu.
- you want to play a sound or video in the WAP browser.



Playing a File using the Media Player

1. On the screen of the Media Player, press the **Options** soft key.
2. Scroll to **Open file** and press the **OK** key.
The screen displays showing files available in the Media Player.
3. Use the navigation keys to select the category.

4. Press the **←** or **→** key to select the file you want to play and press the **OK** key or the **Select** soft key.


The selected audio or video file plays on the Media Player.

To	Press the
pause	OK key.
resume playing	OK key again.
stop playing	Stop soft key.
adjust the volume level	volume keys.
exit the Media player	Exit soft key.

When the control bar is showed, you can press the **|** or **|** key to move cursors through the buttons and press the **OK** key to select the button.

 : stops recording and save it.

 : resumes recording.

 : plays the file.

 : rewinds the file.

 : winds forward the file.

When you press the **Options** soft key while a file is playing, the following options are available:

Play: resumes playing.

Pause: pauses playing.

Open file: allows you to open another file.

Open play list: allows you to make a file list you want to play.

Player settings: allows you to change the settings of the Media Player. For further details, see next page.

VOD settings: sets the network access point for the VOD(Video On Demand) service.

Setting up the Media Player

You can set several options for playing an audio or video file on the Media Player.

1. On the screen of the Media Player, press the **Options** soft key.
2. Press the **←** or **→** key to scroll to **Player setup** and press the **OK** key.
3. Press the **←** or **→** key to scroll through the options. You can select the desired status using the **|** and **|** keys.
 - **Repeat:** allows you to set the Media Player to repeatedly play all of the files or only one file. Selecting **None** means that the file is played just once.
 - **Play order:** allows you set the order **Random** or **Normal**.
 - **Volume:** allows you adjust the volume level of the sound. This option is available only when you have already opened a file.
 - **Hide control bar:** hides or displays the control bar of the Media Player.

Voice Memo

You can record sound files or listen to the recorded sound files.






Press the **←** or **→** key to control the volume.

Press the **|** or **|** key to move cursors through the buttons and press the **OK** key to select the button.

 : starts recording or pauses recording.

 : resumes recording.

 : stops recording and saves it.

-  : plays the file.
-  : rewinds the file.
-  : winds forward the file.

Press **Options** soft key to use following options.

Record/Pause: starts or pauses recording.

Open files: opens a sound file.

Send: allows you to send the sound file as a multimedia message or Email. For further details about sending a message, see page 68.

Record settings: allows you to set the recording file name and maximum recording time.

Downloading a New Application

You can download new applications from a preset web server.

Before downloading, you need to check the network and browser setting environment.

To download a file:

1. On the file list in any category, press the **Options** soft key. Press the **—** or **—** key to select **Download more** and press the **OK** key.

Or, press the **Down** soft key from the startup screen of the Application menu.

2. The WAP browser opens and you are logged onto the corresponding web server which provides the downloading service.
3. When the display asks you if you want to download a file, select the **Yes** soft key.
4. Select a file from the list and press the **OK** key.



The display shows information about the file.

5. Press the **Save** soft key to download the file to your phone.
6. If you want to continue downloading, press the **Confirm** soft key. Repeat steps 4 and 5 as needed.

Otherwise, press the **Exit** soft key to stop downloading. Proceed to the next step.

7. When the display asks you if you want to play the downloaded file, select the **Yes** soft key.

The Media Player screen opens and plays the file.

-  **Total dialled:** total time of the video calls you dialled.
 -  **Total received:** total time of the video calls you received.
2. While viewing the call time, press the **Options** soft key to use the following options:
- **Reset:** resets the call timer.
 - **Reset all:** resets all of the call timers.
 - **Missed calls:** goes to the missed calls list.
 - **Dialled calls:** goes to the dialled calls list.
 - **Received calls:** goes to the received calls list.

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



Contacts

You can create a phonebook by saving phone numbers and names. Your phone gives you an easy way to make calls by using the phonebook numbers and names.


Search Contact (Menu 3-1)

When you access this menu, the Contact Search screen displays.

Enter the first few letters of the name you want to search for. The contact entries are listed alphabetically, starting with those closest to matching your input.

3. If necessary, press the  or  key to find the contact you want.

4.

To	Press the
dial the number	 key.

view details of the contact.	OK key.
------------------------------	----------------

When you press the **Options** soft key from the Contacts list, the following options are available:

Note: The options available may be different depending on the memory you selected.

Details: shows the detailed information. For the details of the Options, see page 58.

Edit: edits the name or number of the contact.

Add: adds a new contact. For more information about adding a contact, see page 56.

Delete: deletes the selected contact.

Search groups: searches the groups, see page 59.

Service number:

Send message: allows you to write a short message or multimedia message. For more

information about sending a message, see page 67.

V-Call: makes a video call to the person. For further details, see page 29.

Copy to phone: makes a copy of the contact to phone.

Paste: pastes the number into the normal dialling mode.

Add Contact (Menu 3-2)

You can add your phonebook by saving phone numbers and the corresponding names in the memories of your SIM card and phone. You can save up to 1000 names in the phone's memory. Each name can have up to five numbers and other personal information.

When you add a new contact, the contact is saved in the memory you've selected in the **Memory location** option.

Adding a Contact in the Phone's Memory

When you access this menu you can see the startup screen of the Add contact menu. You can also this screen by pressing the **New** soft key in the main menu mode.

1. Press the \leftarrow or \rightarrow key to scroll through the input boxes and enter the corresponding information you want to save:
 - **First Name/Last Name:** enter the first and the last name for the contact. For further details about entering characters, see page 31.
 - **Mobile(📞)/Home(🏠)/Work(🏢)/Fax(📠)/Etc(⋮) phone:** enter a number you want to add. The icons at the left side of each input box tell what type of number it is.
 - **Email address:** enter the person's Email address.
 - **Group:** press the **OK** key to enter one or more groups.
 - **Homepage address:** enter the URL address of the person's home page.

- **Memo:** enter information you need to remember about the person.

2. When you entered the information you want, press the **Options** soft key and select the **Save** option.

Adding a Contact in the SIM Card

1. Make sure that the Memory setting is set to SIM.
2. Press the \leftarrow key to move to the **NAME** input box and enter a name for the contact.
3. Press the \leftarrow key to move to the **NUMBER** input box and enter a number.
4. Press the **Save** soft key to save the new contact.

Adding a Contact in the Idle Mode

1. In the idle mode, enter the number to be stored.
2. Press the **Options** soft key and press the **OK** key when **Save number** highlights.

3. Press the \leftarrow or \rightarrow key to scroll through the input boxes and enter the corresponding information you want to save. The input boxes are depends on the memory type you select in the Memory setting and refer to the previous pages to the next steps.

Another Options in Adding Contacts List

When you press the **Options** soft key from the Contacts list, the following options are available:

Save: saves the contact.

Special option: you can set a distinctive image and sound for the contact. Press the \leftarrow or \rightarrow key to move to each field.

- **Image:** allows you to select an image to be displayed when a call or message comes in from the contact. Press the **OK** key and then the **Options** soft key. You can select a category from icon, animation and photo, and then choose a file from the My stuff.
- **Ringtone:** allows you to set a sound to be played when a call comes in from the contact. Press the **OK** key and select an audio file from the My stuff.

- **Message Tone:** allows you to select a sound to be played when a message comes in from the contact. Press the **OK** key and select an audio file from the My stuff.

After changing the options, press the **Options** soft key and select **Save**. If you want to reset your changes, select **Reset**.

Add item: allows you to add another contact number. Select one of the types then the selected contact item added on the contact.

Delete item: deletes the selecting contact item which you've added using the Add item option.

Change type: changes the contact type of the selected contact item. Select one of the types.

Mark/Unmark video call: marks or unmarks the video call to the selected contact number item.

Viewing Contact Information

You can access the details of a contact in the phone's memory by pressing the **OK** key on the Contact list.



To	Press the
scroll through the items	← or → key.
dial the selected number	↶ key.
edit the information	Save soft key after editing each item..
return to the contact list	Cancel soft key.

When you press the **Options** soft key, the following options are available:

Edit: allows you to edit the selected number and name.

Send message: allows you to send a short message, multimedia message or Email. For more information about sending a message, see page 67.

V-Call: allows you to make a video call to the person. For further details, see page 29.

Special option: you can set a distinctive image and sound for the contact. Press the ← or → key to move to each field.

Copy: makes a copy of the contact to SIM or to phone.

Send name card: allows you to send a name card by short message, multimedia message or Email.

Paste: allows you to paste the selected number into the normal dialling mode.

Groups (Menu 3-3)

You can manage caller groups. The contacts stored in the phone's memory or supplied by the SIM card can be assigned to contact groups.

Editing Group from the Group List

1. When the Group list displays, if necessary press the ← or → key to scroll through the Group list.
2. Press the **Options** soft key from the Group list to access following options:

View names: views the contact list saved in this group.

Add group: enters a new group name to add a new group. You can see the group name in the Group list.

Rename group: allows you to change the group name.

Delete group: delete the selected group.

Editing Group Item

1. When you select a group, you can see the name list enrolled the group.
2. If necessary press the **←** or **→** key to scroll through the name list.
3. Press the **Options** soft key to access following options:

Details: views the detailed information attached to the name.

Add member: allows you to add a new member in the group. Mark and unmark names you want to add using the **OK** key and press the **Save** soft key.

Change member: allows you to change members in the group. Mark and unmark names you want to add or delete and press the **Save** soft key.

Speed Dial (Menu 3-4)

You can set up eight speed dial numbers and then dial them simply by pressing the associate number key.

Editing Speed Dial from the Speed Dial List

1. When the Speed Dial List displays, highlight one of the Speed dial you want to edit by pressing the navigation key.
2. Press the **Options** soft key to access following options:

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

Remove: allows you to clear the selected speed dial number.

Editing Speed Dial after Selecting Speed Dial Number

1. Select one of the speed dial number from the Speed Dial List by pressing the **OK** key.
2. Search a contact item from the contact list and press the **Select** soft key. It changes the dial number for the selected speed dial.

My Info (Menu 3-5)

You can keep your information, such as your first and last name, wireless phone number, home number, office number, fax number, Email, URL, memo or etc.

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

Save: saves your information.

Send name card: allows you to send a name card by short message, multimedia message or Email.

Settings (Menu 3-6)

Memory location: changes the default memory. Select a memory from Phone and SIM and press the **Save** key.

Copy all to phone: copies all the contact in SIM card to phone memory. Select the **Yes** soft key to copy them, otherwise select the **No** soft key.



Delete all: choose the memory location, Phone or SIM to delete all. Select the **Yes** soft key to delete selected memory, otherwise select the **No** soft key.

Your phone comes equipped with a WAP (Wireless Application Protocol) browser, making it possible for you to access the Wireless Web.

The WAP browser allows you to access up-to-the-minute information using your phone but at speeds faster than non-3G phones.

Using the Vodafone live!

You can take and send picture messages, download and play the latest mobile games and polyphonic ringtones, send and receive voice, text and Emails, instant message with friends and get the information they want.

Each time you start the WAP browser, the phone connects to the Wireless Web and  or  icon animates to inform you that you are connected to the Wireless Web. You will be billed accordingly. Rates vary according to your service option.

Launching the WAP Browser

1. Access the **Internet** menu (**Menu 4**).
2. A connection is established with your service provider and the corresponding homepage displays.
3. To scroll through the screen, use the navigation keys.

Ending the WAP Browser

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

Navigating the WAP Browser

To	Press the
scroll through browser items	navigation keys.
scroll up or down pages	volume keys
select the item highlighted	OK key.
select a numbered item	corresponding numeric key.
return to the previous page	Back soft key or Options soft key and History soft key.
return to the startup homepage	Options soft key and select the Go to homepage menu option.

Entering Text in the WAP Browser

When prompted, you can enter letters, numbers or symbols the same way as in the phone mode. See page 31 for more information about entering characters.

Using the Browser Menu

In the WAP browser, press the **Option** soft key to use the following options:

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

Open URL: allows you to manually enter the URL address of the web page you want to access.

Add bookmark: allows you to add the current page into your bookmark list.

View bookmark: shows you the bookmark list.

Send URL: allows you to send the URL by short message, multimedia message or Email.

Reload: reloads the current page with updated information.

Settings: allows you to change the settings for connecting to the Wireless Web. For further details, see page 65.

Empty cache: clears information stored in the cache, which is the phone's temporary memory used to store the most recently accessed web pages. After you have accessed confidential information requiring passwords like your bank account, you need to empty the cache. When a warning message appears, press the **OK** soft key to clear the information.

Save image: saves the image of the current page.

Disconnect: disconnects from the network.

History: shows URLs previously visited.

Exit: closes the WAP browser.

Using Bookmarks

Bookmarks save you time by reducing the number of steps it takes to access a web page. You can bookmark many individual pages for easy access at a later time.

Bookmarking a Web page

1. Go to the page that you want to bookmark and press the **Options** soft key.
2. Scroll to **Add bookmark** and press the **OK** key.
3. Enter the title for the bookmark and press the **Save** soft key.

Accessing a Bookmarked Web Page

1. Press the **Links** soft key on the startup screen of the Internet menu.

OR
Press the **Options** soft key on any web page. Scroll to **View bookmark** and press the **OK** key.

2. Scroll to a bookmark item and press the **OK** key.

OR

Press the number key corresponding to the bookmark number.

Using Bookmark Options

On the bookmark list, press the **Options** soft key to use the following options:

Go to homepage: sends you back to the home page.

Go to: allows you to access the corresponding web page.

Edit bookmark: allows you to change the title and/or URL address of the selected bookmark item.

Add bookmark: allows you to add a new bookmark.

Send URL: allows you to send the URL by short message, multimedia message or Email.

Delete: deletes the selected bookmark.

Delete all: deletes all of the bookmarks.

Settings: allows you to change the settings for connecting to the Wireless Web. For further details, see below.

Setting up the WAP Browser

Note: You do not need to change the settings unless your network operator requests it. If you change them without the operator's instructions, you may not be able to use the WAP browser.

Contact your service provider for details and parameters for each option.

To change the WAP settings:

1. Press the **Options** soft key on any web page.
2. Scroll to **Settings** and press the **OK** key.
3. Current access point setting is displays.
4. Scroll through the options by pressing the **←** or **→** key. Press the **OK** key to change the setting.
 - **Setting Set:** changes accessing point. You can also edit the detailed information of it

or make new Sets. For further details, see below.

- **Skip images:** sets whether or not the phone displays a web page's image.
- **Just fit to screen:** sets whether or not the web page fits to screen.
- **Rich site enable:** sets whether or not connects rich site.

5. Press the **Save** soft key to save the changes.

To edit or make access points, select the Set you want and press the **Options** soft key to use following options.

Save: saves your changes.

Edit/New : edit selected Set or make a new Set. The following items are shown.

- Access point: the default name should be defined. You can change it using the **Change name** option.
- Home URL: edit the home URL address.
- Protocol:select the network type, either HTTP or WAP

- Gateway address/Port: (Only for WAP) enter the address or port for the gateway.
- Set security: (Only for WAP) set the security option or not.
- Proxy address/Port:(Only for HTTP) enter the proxy address or port.

Change name: changes the name of Set.

Delete: deletes the selected Set when it is not in use.

Messages

This menu allows you to create, send, read and save messages with the Short Message Service (SMS), Multimedia Message Service (MMS) and Email.

SMS is a service which allows you to send or receive a text message.

MMS is a messaging service very similar to a SMS. MMS enables you to send far longer text messages than SMS-and to attach images, graphics, voice and audio clips-in any combination, as a single multi media message. You can send MMS messages to phones with MMS capability, and to any Email address.

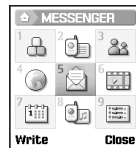
You can send a photo which you have just taken as a normal postcard. Make a note that this service is not supported in all Vodafone network.

Note: This messaging feature is only available if your service provider's network supports it. Contact your service provider for more information.

Create (Menu 5-1)

In this menu, you can write and send a short message, a multimedia message or an Email.

Note: You can also press the **Create** soft key from the startup screen of the Messages menu to write a new message.



Writing and Sending Short Message

1. From the Write screen, press the **Select** soft key when **Short msg.** highlights.
2. Write your message.

For more information about entering characters, see page 31.

- If you want to use the Message options while entering your message, press the **Options** soft key. Select one of the following options:
 - **Use preset:** allows you to use one of the preset message stored in the Preset box; for further details, see page 77.
 - **T9 language:** selects one of the languages you want to use.
 - **Save draft:** saves the message as a draft. You can access it later in the **Drafts** menu; for further details, see page 76.
- When you finish writing the message, press the **Options** soft key and select the **Send** option.
- Enter a destination number in the **To** input box.

If you want to use the following options, press the **Options** soft key.

- **Send:** allows you to send the message. See page 67.
- **Search:** allows you to search your contacts for a number. See page 55.
- **Save draft:** saves the message as a draft. You can access it later in the **Drafts** menu; for further details, see page 76.

- **Send settings:** allows you to change the setting for the message transmission.
 - **Cancel:** cancels editing and sending your message.
- To send the message to more than one person, press the **—** key to move to another **To** input box.
When you want to back to edit mode, press the **Back** soft key.
 - When you finish setting the destinations, press the **Options** soft key and select the **Send** option to send the message.

Writing and Sending Multimedia Message

- From the Write screen, select **Multimedia msg.**
- Enter the subject in the **Subject** text field.
To use a preset message stored in the Preset box, press the **Options** soft key and select the **Use preset** option.
- To attach an image, video or audio file, press the navigation key to move to the **Image/**

Video or **Audio** field and press the **OK** key. Select a file from the list and press the **Select** soft key.

Note: When you add a video file in the message, you can not add an audio file or write text message. In this case you can add an audio file or write text message after adding another page.

- Enter your message into the **Text** field.
- If you want to use the Message options while entering your message, press the **Options** soft key. Select one of the following options:
 - **Preview:** shows your message as it will be displayed on the recipient's phone. Scroll the message by pressing **—** or **—** key.

Press the **Stop** soft key and press the **Options** soft key to use following options.

Play: plays the preview mode.

Send: sends the message.

Page timing: changes the playing duration of current page.

Colour & Font edit: press the **Options** soft key and set the **Font colour**, **Font style** and **Back colour** by pressing the **[** or **]** key.

- **Save draft:** saves the message as a draft. You can access it later in the **Drafts** menu; for further details, see page 76.
- **Edit page:** allows you to use following options.

Page timing: changes the playing duration of current page.

Add page: adds a new page.

Forward page: moves current page to next page.

Backward page: moves current page to previous pager.

Delete page: deletes a selected page. This option is only available if when there is more than one page.

- **Save as template:** saves the message as a template. You can access it later in the **MMS template** option, see page 72.

- When you finish writing the message, press the **Options** soft key and select **Send** option.
- Enter a destination number in the **To** input box.

If you want to use the following options, press the **Options** soft key.

- **Send:** allows you to send the message. See page 67.
 - **Search:** allows you to search your contacts for a number. See page 55.
 - **Save draft:** saves the message as a draft. You can access it later in the **Drafts** menu; for further details, see page 76.
 - **Send settings:** allows you to change the setting for the message transmission.
 - **Cancel:** cancels editing and sending your message.
8. To send the message to more than one person, press the **—** key to move to another **To** input box.
- When you want to back to edit mode, press the **Back** soft key.
9. When you finish the destinations, press the **Options** soft key and select **Send** option to send the message.

Writing and Sending Media Attach Message

1. From the Write screen, select **Media attach msg.** and press the **OK** key.
2. Enter the subject of your message.
For more information about entering characters, see page 31.
3. Press the **—** key and enter your message contents.
4. Press the **—** key to attach a media file and press the **OK** key. The My stuff screen displays.
5. Select a media file by pressing the navigation keys and press the **OK** key to select it. A check mark appears in front the selected file.
6. Repeat step 5 to more than files. You can add items up to 95 KB.

7. When you finish selecting the files, press the **Options** soft key and press the **OK** key when **Attach** highlights. You can cancel your selection by choosing **Deselect all**.
8. If you want to use the Message options while entering your message, press the **Options** soft key. Select one of the following options:
 - **Use preset:** allows you to use one of the preset messages stored in the **Preset** menu.
 - **Clear attach:** removes all selected attached files.
 - **Attached file list:** views attached file list.
 - **Save draft:** saves the message as a draft. You can access it later in the **Drafts** menu.
9. When you finish writing the message, press the **Options** soft key and select **Send** option.
10. Enter a destination number in the **To** input box.
If you want to use the following options, press the **Options** soft key.
 - **Send:** allows you to send the message. See page 67.

- **Search:** allows you to search your contacts for a number. See page 55.
 - **Save draft:** saves the message as a draft. You can access it later in the **Drafts** menu; for further details, see page 76.
 - **Send settings:** allows you to change the setting for the message transmission.
 - **Cancel:** cancels editing and sending your message.
11. To send the message to more than one person, press the **—** key to move to another **To** input box.
When you want to back to edit mode, press the **Back** soft key.
12. When you finish the destinations, press the **Options** soft key and select **Send** option to send the message.

Writing and Sending MMS postcard

1. From the Write screen, press the **Select** soft key when **MMS postcard** highlights.
2. When the **Greeting msg** field is highlighted, press the **OK** key. Enter your message.

For more information about entering characters, see page 31.

If you want to use the Message options while entering your message, press the **Options** soft key. Select one of the following options:

- **Use preset:** allows you to use one of the preset message stored in the **Preset** menu; for further details, see page 77.
- **T9 language:** selects one of the languages you want to use.
- **Cancel:** cancels writing your greeting message.

Press the **Save** soft key to save the message.

3. To attach an image file, press the navigation key to move to the **Image** field and press the **OK** key. Select a file from the list and press the **Select** soft key.

4. When you finish writing the message, press the **Options** soft key to use the following options.
 - **Send:** allows you to send the message.

Enter the detailed information of the recipient such as, name, additional info, street, zip& city, state/province and country.

When you want to back to edit mode, press the **Back** soft key.

When you finish the destinations, press the **Options** soft key and select **Send** option to send the message.

- **Save draft:** saves the message as a draft.

You can access it later in the **Drafts** menu; for further details, see page 76.

Writing and Sending MMS template

1. From the Write screen, press the **Select** soft key when **MMS templates** highlights.
2. Select a MMS message template.
3. Press the Options soft key to use the following options:

- **View:** views the selected MMS template.
- **Edit:** edits the selected MMS template like you edit the MMS message. After you edit it you can send it like you send the MMS message. See page 72.
- **Delete:** deletes the selected MMS template.

Writing and Sending Email

1. From the Write screen, press the **Select** soft key when **Email** highlights.
2. Enter the subject of your message.

For more information about entering characters, see page 31.

3. Press the **—** key and enter your message contents.
4. Press the **—** key to attach a media file and press the **OK** key. The My stuff screen displays.
5. Select a media file by pressing the navigation keys and press the **OK** key to select it. A check mark appears in front the selected file.
6. Repeat step 5 to more than files.

7. When you finish selecting the files, press the **Options** soft key and press the **OK** key when **Attach** highlights. You can cancel your selection by choosing **Deselect all**.

8. If you want to use the Message options while entering your message, press the **Options** soft key. Select one of the following options:

- **Use preset:** allows you to use one of the preset message stored in the **Preset** menu; for further details, see page 77.
- **T9 language:** selects one of the languages you want to use.
- **Attached file list:** views attached file list.
- **Clear attach:** remove all selected attach files.
- **Save draft:** saves the message as a draft. You can access it later in the **Drafts** menu.

9. When you finish setting the destinations, press the **Options** soft key and select **Send** option to send the message.
10. Enter a destination number in the **To** input box.

If you want to use the following options, press the **Options** soft key.

- **Search:** allows you to search your contacts for a number. See page 55.
- **Send:** allows you to send the message. See page 67.
- **Save draft:** saves the message as a draft. You can access it later in the **Drafts** menu; for further details, see page 76.
- **Send settings:** allows you to change the setting for the message transmission.
- **Cancel:** cancels writing Email.









11. To send the message to more than one person, press the **—** key to move to another **To** input box.

When you want to back to edit mode, press the **Back** soft key.

12. When you finish the destinations, press the **Options** soft key and select **Send** option to send the message.

Inbox (Menu 5-2)

When you receive a new text message, the New Message icon displays according to the type of message.

-  : SMS message
-  : SMS SIM message
-  : MMS message
-  : MMS notification message
-  : Email message
-  : Email attach message
-  : Voice message
-  : Configuration message - network configuration informaiton message.

When you access the **Inbox** menu option (**Menu 5-2**), the list of messages received displays with the message size, sender's address and message subject.

Scroll to the message you want to view and press the **OK** key. The message displays. In case of MMS notificaiton msg, retrieves MMS message.

Press the **Options** soft key to use the following options are available; the options may be different depending on the message type:

View: shows the message, or retrieves MMS data if the message is MMS notification message.

Reply: allows you to reply to the sender.

Forward: allows you to send the message to other people.

Call sender: allows you to call the sender's number.

Save address: allows you to save the sender's phone number or Email address.

Save medias: allows you to save the contents.

Detail info: shows detailed information about the message. This option is shown only for MMS messages.

Delete: deletes the message.

Delete all: deletes all of the messages in the Inbox menu.

Email Box (Menu 5-3)

When you access the Email inbox menu, the list of messages received displays with the message size, sender's address and message subject.

Scroll to the message you want to view and press the **OK** key. The message displays.

Press the **Options** soft key to use the following options are available; the options may be different depending on the message type:

View: shows the message.

Reply: allows you to send a reply message to the sender.

Forward: allows you to send the message to other people.

Download: receives new messages or all messages.

Detail info: shows detailed information about the message.

Delete: deletes the message.

Delete all: deletes all of the messages in the Email inbox.

Outbox (Menu 5-4)

This menu stores the messages that you have sent.

When you access the **Outbox** menu, the list of messages you have sent displays with the message subject, recipient's address and message size.

Scroll to the message you want to review and press the **OK** key. The message contents display.

Press the **Options** soft key to use the following options are available; the options may be different depending on the message type:

View: shows the message.

Forward: allows you to resend the message to other people.

Call sender: allows you to call the sender's number.

Save address: allows you to save the sender's phone number or Email address.

Save medias: allows you to save the contents.

Detail info: shows detailed information about the message. This option is shown only for Multimedia and Email messages.

Delete: deletes the message.

Delete all: deletes all of the messages in the Outbox menu.

Drafts (Menu 5-5)

In this menu, you can read, edit and send the messages you saved as drafts. If a message was not sent successfully due to some error, it is also stored in the Drafts box.

When you access the **Drafts** menu, the list of messages you have saved displays with the recipient's address, message subject, if you entered it, and message size.

Scroll to the message you want to view and press the **OK** key. The message contents display.

Press the **Options** soft key to use options. The options may be different depending on the message type.

Preset (Menu 5-6)

After you create new preset messages and you can add them to your message.

When you access the **Preset** menu, the preset message list displays.

Scroll to the message you want to use by pressing the — or — key and press the **OK** key. You can change the message. For more information about entering characters, see page 31.

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

Edit: allows you to change the message.

Send: allows you to send the message. For further details about sending a message, see page 67.

New: allows you to add a new preset message. When you already saved ten messages, this option is disabled.

Delete: deletes the message.

Delete all: deletes all of the preset messages.

Settings (Menu 5-7)

In this menu, you can set up default information for using the messaging features.

Press the — or — key to scroll to a message type and press the **Select** soft key.

Setting for Short Message

You can have several settings. Each setting has following options.

Centre address: allows you to view the number of your SMS centre required when sending messages.

Expiration: allows you to set the length of time for which your text messages are stored at the message server while attempts are made to deliver them.

Default type: allows you to set the default message type.

Name: allows you to set the setting's name.

There are following options in Common setting.

Reply path: allows you to set your SMS centre number as a reply path so that the recipient can send a reply through it. The charge is billed to you.

Delivery report: the network informs you whether or not your message has been delivered.

Preferred bearer: allows you to select preferred data transmission method.

Leave a copy: your phone leaves a copy of your message in the Outbox menu after sending it.

Setting for Multimedia Message

You can change the settings for sending or receiving MMS messages.

Send settings

- **Priority:** allows you to change the priority level of your messages.
- **Expiration:** allows you to specify how long your MMS centre stores your messages after sending them.
- **Delivery:** allows you to set when the message will be sent.

- **Hide address:** when this option is checked, your address does not display on the recipient's phone.
- **Delivery report:** when this option is checked, the network informs you whether or not your message has been delivered.
- **Read report:** when this option is checked, your recipient's phone sends a reply to let you know when your message was read by him or her.
- **Leave a copy:** when this option is checked, your phone leaves a copy of your message in the Outbox menu after sending it.
- **Add my namecard:** (Only for the Media attach format) when this option is checked, your contact information is attached to your message. This option is not available when you send a message using a preset format.
- **Add signature:** (Only for the Media attach format) this option is checked, your signature text is attached to the end of your message. You can enter text using up to 128 characters. This option is not available when you send a message using a preset format.

Receive settings

- **Home network/Roaming network:** allows you to set how to receive a message in each network.

Auto: you can receive the multimedia message automatically.

Manual: you can receive the notification message first. If you want to download it, you can receive the multimedia message.

Restirct: (Only for Roaming network): if you select the notification, it aware of possible additional charging to roaming, if you want to download the message or not.

- **Delivery report:** when this option is checked, the network informs the sender of the message whether or not the message has been delivered.
- **Read report:** when this option is checked, your phone sends a reply to let the sender know when the message was read.
- **Anonymous reject:** when this option is checked, your phone rejects messages without a caller ID.

Network settings

You can set up information about your MMS network. In most cases, you don't need to change the settings. For further details, contact your service provider.

Note: If you change these settings without the network operator's instructions, you may not be able to send or receive multimedia messages.

You can have several network settings. You can make, change or rename for each setting by pressing the **Options** soft key. But only one setting can be active as your network setting.

Press the **OK** key to edit following options:

- **Access point:** allows you can choose a network account.
- **MMS server URL:** allows you can edit the MMS server address.
- **Protocol:** allows you to select the protocol between WAP and HTTP.
- **Gateway address/Port:** (Only for the WAP protocol) allows you to set the gateway address and port.

- **Proxy address/Port:** (Only for the HTTP protocol) allows you to set the proxy server address and port.

Setting for Email

You can change the settings for sending or receiving Email messages.

Send settings

The following options are available:

- **From:** allows you to set the alias name.
- **Priority:** allows you to change the priority level of your messages.
- **Leave a copy:** when this option is checked, your phone leaves a copy of your message in the Outbox menu after sending it.
- **Add my namecard:** when this option is checked, your contact information is attached to your message.
- **Add signature:** when this option is checked, your signature text is attached to the end of your message. You can enter text using up to 128 characters.

Receive settings

The following options are available:

- **Receiving option:** allows you to set how to receive a message.

Only subject: receives only the subjects of the Emails. You can read the contents after downloading.

Normal: receives Emails both subject and contents.

- **Reject if over:** allows you to set the maximum size of Email and reject Email when it is over the size.
- **Block address:** allows you to block Emails from the addresses you set.
- **Block subject:** allows you to block Emails contains the subjects you set.

Network settings

you can have 3 Email accounts. You can edit only 2nd and 3rd account.

Select one of the account by pressing the **OK** key and press the **Options** key. And press the **Edit** soft key to edit following options.

- **Account name:** allows you to edit the access name.
- **Access point:** allows you can change the server address.
- **SMTP server:** allows you to set the SMTP(Simple Mail Transfer Protocol) server address.
- **POP3 server:** allows you to set the POP3 server address.
- **User name:** allows you to set the login name of the server.
- **Password:** allows you to set the login password of the server.

Setting for Voice Mail

You can change the number of the voice mail service centre. When you press the **1** key to access your voice messages, your phone dials this number.

Memory Status (Menu 5-8)

You can check the memory status of each message box in Phone memory or in SIM card.

To change the memory, press the **Phone/SIM** soft key.

My Stuff

You can enjoy various multimedia files, such as sounds, video, and pictures using the Media Player.

Exploring the Multimedia Files

You can use up to 5 categories of multimedia files: **Images, Videos, Music, Sounds, Etc..**

When you press the **OK** key, the list of the files in the selected category displays.

Using Multimedia Options

On the file list in any category, you can use the following options by pressing the **Options** soft key:

View/Play: shows or plays the selected file.

Delete: deletes the selected file.

Delete all: deletes all of the files.

Rename: allows you to change the file name. For further details about entering characters, see page 31.

Move: allows you to move the selected file to another folder.

New folder: allows you to make a new folder for storing multimedia files.

Download more: allows you to download new files from the web server. For further details, see page 50.

Send: allows you to send the selected file via multimedia message or Email.

Set to wallpaper: (only for the Images category) allows you to use the image as your wall paper image ie as the background for your idle screen.

Set to ring tone:(only for the Sounds category) allows you to use the sound as your ringtone.

Memory status: shows you the amount of memory used by the current category and the remaining memory.

Detail Info: shows the detail information of selected file.

Download setting: The following options are available:

- **Access point:** allows you can choose a network account.
- **Server URL:** allows you can edit the server address.
- **Protocol:** allows you to select the protocol between WAP and HTTP.
- **Gateway address:** (Only for the WAP protocol) allows you to set the gateway address.
- **Proxy address:** allows you to set the proxy.

Using the Images Files

You can use bmp, gif, png, jpg or tiff image files.

Viewing an Image

1. Press the **|** or **|** key to select the **Images** category. Image list displays.
2. Press the **—** or **—** key to select an Image and press the **OK** key.
3. The Image viewer shows the selected file.

Press the **|** or **|** key to load previous or next image file.

When viewing an image, you can use the following options by pressing the **Options** soft key:

Delete: deletes the file.

Send: allows you to send the image via multimedia message or Email. For further details about sending a message, see page 67.

Rename: renames the file.

Set to wallpaper: allows you to use the image as your wallpaper image, ie as the background for your idle screen.

Add to contact: allows you to use the image as a caller ID indicator to be displayed when a call comes in from a contact.

Real size: shows you information about the file size.

Slide show: allows you to view all of the images in the selected folder using the Slide Show feature, which shows the images one by one on full screen at 3 second intervals.

Detail info: shows detailed information about the file, such as file name, size, type and many others.

Creating a New Image

From the file list of the folder, select **Create new** and press the **OK** key

For further details about using camera, referring to page 43.

Using the Video Files

Your phone can play video files in avi, mov or mpg format.

Playing a Video File

1. Press the **←** or **→** key to select **Videos** category. The video list displays.
2. Press the **←** or **→** key to select a video file and press the **OK** key.
3. The Media Player plays the selected file.

For further details about using the Media Player, see page 47.

Creating a Video

From the file list of the Videos category, select **Create new** and press the **OK** key.

For further details about recording video, referring to page 45.

Using the Music Files

Your phone can play music files in mp4 format.

Playing a Music File

1. Press the **←** or **→** key to select **Music** category. The music list displays.
2. Press the **←** or **→** key to select a music file and press the **OK** key.
3. The music plays.

Press the **←** or **→** key to control the volume.

Press the **|** or **]** key to load previous or next music file.

When playing a music, you can use the following options by pressing the **Options** soft key:

Send: allows you to send the music as a multimedia message or Email. For further details about sending a message, see page 67.

Delete: deletes the file.

Rename: renames the file.

Set to ring tone: allows you to use the music as your ringtone.

Detail info: views the type, size, etc of the selected file.

Using Sounds and Tones

You can use 4-chord melodies or tones.

1. Press the **←** or **→** key to select **Sounds**.
2. Press the **|** or **]** key to scroll through the sub folders; **Sounds**, **Ringtones**, and **Recording**.
3. Press the **←** or **→** key to select a file and press the **OK** key.
4. The music plays.

Press the **←** or **→** key or volume key to control the volume.

Press the **|** or **]** key to load previous or next file.

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

Send: allows you to send the sound as a multimedia message or Email. For further details about sending a message, see page 67.

Delete: deletes the file.

Rename: renames the file.

Set to ring tone: allows you to use the sound or melody as your ringtone.

Detail info: views the type, size, etc of the selected file.

Creating a Sound

- From the Sounds category, select **Recordings** sub folder and select the **Create new** and press the **OK** key.
- Voice memo screen displays.

For further details about using the Voice memo screen, see page 49.

Organiser

The organiser feature allows you to view the current month as well as the past or future month in calendar format. You can schedule up to 100 events in total.

Calendar (Menu 7-1)

The calendar of this month displays with today's date highlighted.

Days with any events are marked with a coloured symbol, green for schedule items, red for anniversary, blue for to do list, and orange for memo.

To scroll through the calendar:

- Press the **←** or **→** key to move to the previous or next week.
- Press the **|** or **|** key to move to the previous or next day.



- Press the volume keys to move to the previous or next month. You can also press the **|** or **|** key when the title bar showing the month and year highlights.
- Press the **OK** key to access the highlighted date.

You can use the following options by pressing the **Options** soft key:

View: shows you the schedule of the selected day.

New: allows you to make a new **Schedule**, **Anniversary**, **To do list** or **Memo**.

Month view: returns to the calendar screen.

Reschedule: allows you to change the schedule easily. When the calendar displays, move to new start date using the navigation keys and press the **OK** key.

Delete: deletes the events the period you enter.

Delete all: deletes all of the events in your calendar.

Send schedule: allows you to send the schedule by short message, multimedia message or Email.

Today's Event (Menu 7-2)

When you press the **Options** soft key, the following options are available; these may be different depending on the selected event type:

View: shows you details of the event.

New: allows you to make a new **Schedule, Anniversary, To do list** or **Memo**.

Month view: returns to the calendar screen.

Reschedule: allows you to change the schedule easily. When the calendar displays, move to a new start date using the navigation keys and press the **OK** key.

Delete: deletes the event.

Delete all: deletes all of the events on that day.

Send schedule: allows you to send the schedule by short message, multimedia message or Email.

See how to make each type's event.

Schedule (Menu 7-3)

Press the **Options** soft key and select the **New** option to make a new schedule. See page 88 for another options.

1. Scrolling through the entry fields by pressing the **—** or **—** key. Enter the required information or select the desired settings.
 - **Title:** enter the title of the event. See page 31 for more information about entering characters.
 - **Details:** enter the details about the event.
 - **Start:** enter the start time of the event. You can move the cursor using the **|** and **|** keys.
 - **End:** enter the end time of the event in the same way as entering the start time.
 - **Start date:** enter the start date. You can move the cursor using the **|** and **|** keys.
 - **End date:** enter the end date in the same way as entering the start date.
 - **Location:** enter information about the location for the event.

- **Alarm:** press the **OK** key to set an alarm to remind you of the event. Then set when the alarm will alert you before the event starts; enter the desired number and select a unit, **min, hour, day,** or **week,** using the **|** and **|** keys.
- **Repeat:** if you are entering a recurring event, press the **OK** key and select a repeat option using the **|** and **|** keys. Then enter the date until which the event recurs.
- **Expiry:** select how long the event is stored in your calendar.

2. When you finish entering the event, press the **Save** soft key.

Anniversary (Menu 7-4)

Press the **Options** soft key and select the **New** option to make a new anniversary. See page 88 for another options.

1. Scrolling through the entry fields by pressing the **—** or **—** key. Enter the required information or select the desired settings.

- **Occasion:** enter the information about the occasion. See page 31 for more information about entering characters.
- **Date:** enter the start date and the end date. You can move the cursor using the **|** and **|** keys.
- **Alarm:** press the **OK** key to set an alarm to remind you of the event. To set an alarm ahead of the day required, enter the desired number and select a unit, **day, week** or **month,** using the **|** and **|** keys. Enter the time. You can move the cursor using the **|** and **|** keys.
- **Repeat every year:** press the **OK** key to mark or unmark this option.

2. When you finish entering the anniversary, press the **Save** soft key.

To Do List (Menu 7-5)

When you press the **Options** soft key and select the **New** option to make a new item of To do list.

- Scrolling through the entry fields by pressing the **←** or **→** key. Enter the required information or select the desired settings.
 - **Task:** enter the information about the occasion. See page 31 for more information about entering characters.
 - **Start date:** enter the start date. You can move the cursor using the **|** and **|** keys.
 - **Due date:** enter the due date.
 - **Priority:** enter the priority choosing 1,2 and 3.
- When you finish entering the To do list, press the **Save** soft key.

When you finish one from the To do list, select the item and press the **Options** soft key.

Select the **Done** to check a done mark in front of the item.

Memo (Menu 7-6)

When you press the **Options** soft key and select the **New** option to make a new memo. See page 88 for another options.

- Scrolling through the entry fields by pressing the **←** or **→** key. Enter the required information or select the desired settings.
 - **Memo description:** enter the memo details.
 - **Date:** enter the date.
- When you finish entering the memo, press the **Save** soft key.

World Clock (Menu 7-7)

You can check the time difference between your city and the selected city.

- Select the city corresponding to your time zone by pressing the **|** and **|** key.
The screen shows the current date, time and the several cities in the same time zone.
- Press the **←** key to select the other city and corresponding time zone by pressing the **|** and **|** key.
- Press the **Save** soft key to save the setting. Otherwise press the **Cancel** soft key.

Calculator (Menu 7-8)

You can use the phone as a 14-digits calculator. The calculator performs basic mathematical functions: additional, subtraction, multiplication and division.

- Enter the first figure using the number keys.
To use a decimal point, press **#** key.
- Press an appropriate navigation key for your calculation.
- Enter the second figure.
- Press the **OK** key to get the result.

Press the **Options** soft key to following options.

Recent calculation: shows the recent calculation.

Memory save: saves the current digit or result to the memory.

Memory recall: recalls the saved digit.

Memory clear: clears the memroy.s

Converter (Menu 7-9)

You can convert from one type of unit to another.

Scroll to the type of converter to be performed from **Currency, Length, Weight, Volume, Area, and Temperature** and press the **OK** key.

1. Select the units to be converted and required by pressing the | and | key.
2. Whenever you enter the value to be converted or required, you can see the corresponding value of each unit.

Note: You can enter a decimal point(.) by pressing the # key.

At the converging screen press the **Options** soft key to following options.

Clear: clears the current values.

Reverse: reverses the location of converted and required unit.

Currency rates: (Only for Currency): sets the currency rates.

To change the currency rates;

1. Select the base currency by pressing the | and | key.
2. Scroll through another currency by pressing the — or — key and edit the rates.
3. Press the **Options** soft key and select the **Save** option to save it.

To clear all the rates of each currency, select the **Clear all** option.

Return to the previous screen without changing, press the **Cancel** soft key.

Alarm (Menu 7-0)

You can set alarms to ring at specific times.

To set an alarm;

1. Select the type of alarm choosing **Once alarm, Daily alarm** or **Wake up alarm**.
2. Set **On** by pressing the | and | key.
3. Move to time field by pressing the — key.

4. (Only for the Wake up alarm) Move to Repeat field by pressing pressing the — key and select the repetition type choosing **None, Every day, Except weekend, or Except sunday**. Select the alert tone, too.
5. Press the **Save** soft key to save it.

Note: When the Silent mode is activated, the alarm tone doesn't sound except the Wake up alarm.

To release an alarm;

1. Select the type of alarm choosing **Once alarm, Daily alarm** or **Wake up alarm**.
2. Set **Off** by pressing the | and | key.
3. Press the **Save** soft key to save it.

Profiles

You can change the settings for several sound modes.

Setting up Sound Modes

1. From the startup screen of the Profiles menu, press the **OK** soft key.
2. Select a mode from **Normal**, **Meeting**, **Drive**, **Silent** and **Outdoor** by pressing the **—** or **—** key and press the **Options** soft key and **Customize**.
3. The available options are vary depending on the selected mode.

Press the **—** or **—** key to scroll through the sound options. Change the settings using the **|** and **|** keys.

The following options are available:

- **Call alert type:** allows you to select the alert type for the call ringer. You can choose

one among **Melody**, **Mute(Light only)**, **Vibration & melody** and **Vibration**.

- **Ring tone:** enables you to select a melody or tone to be used when you select **Melody** or **Vibration & melody** in the Call alert type option. Press the **OK** key and select a sound from the file list.
- **Tone volume:** allows you to adjust the volume level of the sounds.
- **Msg. alert type:** allows you to select the alert type for the message ringer.
- **Msg. alert tone:** allows you to select a melody or tone to be used when you select **Melody** or **Vibration & melody** in the Msg. Alert type option. Press the **OK** key and select a sound from the file list.
- **Effect tones:** allows you to turn the alert sounds on or off. Press the **OK** key to place or remove a check mark.

Popup box alerts: sets the phone to inform you when you have made a mistake.

Minute minder: lets you set the phone to beep every minute during an outgoing call to keep you informed of the length of your call.

Call connect tone: sets the phone to beep when the person you are calling answers the phone.

Call end tone: sets the phone to beep when your call ends.

Power on: sets the phone to beep when the phone is switched on.

Effect sounds: sets the phone to beep when you access the menu facilities.

Folder open/close: sets the phone to beep when you open or close the phone.

Press the **Change** soft key to save the setting.

- **Alert tones:** allows you to select a tone type for the feedback alerts. Press the **OK** key and select a type. Then press the **Options** soft key to use the following options.

Select: selects the selecting tone.

Listen all set: listens all alert tones. Select a alert tone from the list and press the **Play** soft key to listen it.

- **Key tones:** allows you to select a tone which sounds when you press a key.
- **Key tone volume:** allows you to adjust the volume level of the keypad tone.

4. When you finish setting the options, press the **Save** soft key.

Switching the Sound Mode

1. From the Profiles start up screen, press the **Change** soft key. Press the **—** or **—** key to select the mode you want to use and press the **OK** key.

Or, from the Profiles menu, select the mode you want to use and press the **OK** key.

The phone displays "Profile changed."

- Note:** You can quickly switch to the silent mode by holding the **#** key down in the idle mode. To switch back to the previous sound mode, hold the key down again.

Settings

Many different features of your phone can be customised to suit your preferences in the Settings menu.

Phone (Menu 9-1)

In this menu, you can set options for the phone.

LCD Brightness

You can adjust the brightness of the screen. Press the **|** or **|** key to make the screen darker or brighter and press the **Save** soft key.

Backlight

You can set the timer to go to dimming mode when no key is input, which consumes less battery power. To use the backlight, select the length of time the phone waits before it dimmes the screen after the last key is pressed. After phone goes to dimming mode, the phone will turn the screen off a few minutes later. When

your phone is in dimmed mode or screen off, you can wake up by pressing anykey. Selecting **Always on** means that the phone does not use dimming mode and the screen is always on.

Language

You can select a different language for the display text and the text input mode.

1. Press the **OK** key in the Screen Text field.
2. Press the **—** or **—** key to select a language for the display text, such as menu names and warning or confirming messages, and press the **Select** soft key.
3. Press the **—** key to move to the Input T9 field and press the **OK** key.
4. Press the **—** or **—** key to select a language for the T9 input mode and press the **Select** soft key.
5. Press the **Save** soft key.

Shortcuts

You can set the navigation keys can be used as shortcut keys to the menu functions you use most frequently. In the idle mode, they allow you to access specific menu options directly.

1. Press the each navigation key to check the current funtion assigned, and select a navigation key.
2. Press the **Options** soft key to use following options.

Assign/Change: assigns or changes a funtion of the selected navigation key.

Select a function from the function list and press the **Select** soft key to select it.

Remove: removes the menu funtion of the selected navigaiton key.

Remove all: removes all the functions assigened to the navigation keys.

Active Folder

When this option is set to **On**, you can simply open the folder to answer a call.

When it is set to **Off**, you must open the folder and press a key, depending on the setting of the **Anykey Answer** opion.

Press the **—** or **—** key to select **On** or **Off**, and press the **Save** soft key.

Anykey Answer

When this option is set to **On**, you can answer an incoming call by pressing any key except the **↶** key and the **Reject** soft key.

When this option is set to **Off**, you can only press the **↶** key or the **Accept** soft key to answer.

Press the **—** or **—** key to select **On** or **Off**, and press the **Save** soft key.

Display (Menu 9-2)

This menu allows you to customise the main display screen by setting a greeting message or wallpaper image or changing the theme colour.

Greeting Message

You can set a greeting message to be displayed briefly when you switch the phone on.

1. When **Greeting message** highlights in the Display menu, press the **Select** soft key.

The current message displays.
2. Press the **C** key to clear the message.
3. Enter a new message.

For more information about entering characters, see page 31.
4. When you finish entering the message, press the **Save** soft key.

Wallpaper

You can select a background image (wallpaper) to be displayed on the idle screen.

1. Select **Wallpaper** in the display menu using the **←** or **→** key, and press the **Select** soft key. Or you can also the **Wallpaper** soft key from the Settings startup screen.

The Images folder of the My stuff opens.

2. Press the **←** or **→** key to scroll to the image you want to use.
3. Press the **Save** soft key.

Cover LCD

You can select what the external display shows in the idle mode.

The following options are available:

Digital clock: a digital clock showing current time and date appears on the screen.

Cover title: you can enter a greeting message. For more information about entering characters, see page 31.

Image: you can select an image.

Main Menu Style

You can change the style of displaying main menu.

Call (Menu 9-3)

Caller ID

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

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

The following options are available:

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

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

Hide: your number is not displayed on the other person's phone.

Diverting

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

To set your call diverting options:

1. Select the type of calls from **Voice call**, **Data call** and **Video call** to be diverted by pressing the **←** or **→** key, and then press the **OK** key.
2. Select the type of diverting required by pressing the **←** or **→** key, and then press the **OK** key.

Always: all calls are diverted.

Busy: calls are diverted if you are already making another call.

No reply: calls are diverted if you do not answer the phone.

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

Cancel all: all call diverting options are cancelled.

The phone dials your network to find whether call diverting is possible or not.

After a few minutes, the current status displays. If the option has already been set,

the numbers to which the calls are diverted also displays.

- Press the **|** or **|** key to select one of the following options:
 - **Activate:** your network has the number already registered, but it is not activated. This option activates the number.
 - **DeActivate:** the selected call diverting option is currently active. This option deactivates the call diverting.
 - **Registration:** there is no number specified or registration record for call diverting in the network. You first need to register a number.
 - **DeRegistration:** you can deregister the number already registered in the network.
- Press the **—** key and enter or change the number where you want to divert the calls.
- Press the **Request** soft key.

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

Barring

The Call Barring network service allows you to restrict your calls.

To set your call barring options:

- Select the type of calls from **Voice call**, **Data call** and **Video call** to be diverted by pressing the **—** or **—** key, and then press the **OK** key.
- Select the type of diverting required by pressing the **—** or **—** key, and then press the **OK** key.

All outgoing international: international calls cannot be made.

All outgoing international except 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 operator is located.

All outgoing: calls cannot be made.

All incoming when roam: calls cannot be received when you are using your phone outside of your home service area.

All incoming: calls cannot be received.

The phone dials your network to find whether call diverting is possible or not.

After a few minutes, the current status displays.

- Press the **|** or **|** key to select one of the following options.
 - **Activate:** The selected call barring option is not activated. Selecting this option activates your setting.
 - **DeActivate:** The selected call barring option is currently active. Selecting this option deactivates your setting.
- Press the **—** key and enter your call barring password supplied by your service provider.
- Press the **Request** soft key.

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

Changing the Barring Password

You can change the call barring password obtained from your service provider.

- From the barring menu screen, press the **Options** soft key and select the **Change password** option.
- Enter the current password in the **Old** input box.
- Press the **—** key and enter a new password.
- Press the **—** key and enter the new password again to confirm it.
- Press the **Save** soft key.

Waiting

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

To set your call waiting options:

- Select the type of calls from **Voice call**, **Data call** and **Video call** to be diverted by pressing the **—** or **—** key, and then press the **OK** key.

The phone dials your network to find whether call diverting is possible or not.

After a few minutes, the current status displays.

- Press the **|** or **|** key to select one of the following options.
 - **Activate:** The selected call waiting option is not activated. Selecting this option activates your setting.
 - **DeActivate:** The selected call waiting option is currently active. Selecting this option deactivates your setting.
- Press the **Request** soft key.

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

Auto Redial

With this feature, the phone makes up to three attempts to redial a phone number when the outgoing call fails.

Closed User Group (CUG)

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 groups.

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

- Press the **OK** key to put a check mark on the **CUG use** option.
- Press the **—** key to move to the **Outside access** field. Use the **OK** key to enable or disable calls to numbers other than those nominated for the Closed User Group.

This feature depends on the nature of your CUG subscription. Please check with your service provider.
- Press the **—** key to move to the **Group Index** field and select the CUG index you want to activate.
- Press the **Save** soft key.

Now, you can select the number from the Index field.

Managing the Index List

You can add a new index and change or delete an existing index.

- On the Closed User Group screen, Press the **—** key to move to the **Group Index** field.
- Press the **OK** key to see the Group index list.
- Press the **—** or **—** key to select an index and press the **Options** soft key.

The following options are available:

- **Select:** saves the current index list.
- **New index:** enter a new index name and press the **Save** soft key.
- **Edit index:** allows you to change the selected index.
- **Delete index:** deletes the selected index.

Network Selection (Menu 9-4)

The Network Selection feature enables you to automatically or manually select the network used when roaming outside of your home network.

Note: You can select a network other than your home network only if it has a valid roaming agreement with your home network.

Press the **—** or **—** key until the appropriate option highlights and then press the **Save** soft key

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

If you select **Manually**, the phone scans for the available networks. Press the **—** or **—** key until the preferred network highlights and then press the **Select** soft key. You are connected to that network.

Security (Menu 9-5)

The Security feature enables you to restrict the use of your phone

- to the people of your choice
- certain types of calls

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

the following sections; see also pages 111 to 112.

Phone Lock

When the Phone Lock feature is enabled, the phone is locked and you must enter a phone password of between 4 and 8 digits each time you switch the phone on.

Press the **—** or **—** key to select **Enabled** or **Disabled** and press the **Save** soft key.

When you select **Enabled**, the display asks you to enter the phone password. Enter your password and press the **Confirm** soft key.

To change the password, refer to **Change Password** menu option on page 105.

SIM Lock

When the SIM Lock feature is enabled, your phone only works with the current SIM card. To use another SIM card in your phone, you must enter the SIM lock password set when you lock the card.

Press the **—** or **—** key to select **Enabled** or **Disabled** and press the **Save** soft key.

When you select **Enabled**, the display asks you to set a new password. Enter a password using four to eight digits and press the **Confirm** soft key.

PIN Lock

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.

Press the **—** or **—** key to select **Enabled** or **Disabled** and press the **Save** soft key.

When you select **Enabled**, the display asks you to enter the PIN code. Enter your PIN code and press the **Confirm** soft key.

The PIN code is supplied with your SIM card. To change your PIN, refer to the **Change PIN** menu option on page 105.

Fixed Dialling Mode

If the Fixed Dialling mode is supported by your SIM card, allows you to restrict your outgoing

calls to the FDN(Fixed Dial Number) stored in the SIM card memory.

Press the **—** or **—** key to select **Enabled** or **Disabled** and press the **OK** soft key.

When you select **Enabled**, the display asks you to enter the PIN2 code. Enter your PIN2 code and press the **Confirm** soft key.

The PIN2 code is supplied with your SIM card. To change your PIN2, refer to the **Change PIN2** menu option on page 105.

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

Change Phone Password

Using this menu option, you can change your phone password to a new one.

1. Enter the current password and press the **Confirm** soft key.
2. Enter a new password and press the **Confirm** soft key.

3. Enter the new password again to confirm it and press the **Confirm** soft key.

Change PIN Code

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

1. Enter the current PIN code and press the **Confirm** soft key.
2. Enter a new PIN code and press the **Confirm** soft key.
3. Enter the new code again to confirm it and press the **Confirm** soft key.

Change PIN2 Code

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

1. Enter the current PIN2 code and press the **Confirm** soft key.
2. Enter a new PIN2 code and press the **Confirm** soft key.

3. Enter the new code again to confirm it and press the **Confirm** soft key.

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

Date & Time (Menu 9-6)

This menu option allows you to set the current time and date displayed on the idle screen.

You can scroll through the clock options by pressing the **←** or **→** key. Set the following options:

- **Date:** enter today's date. You can move the cursor back and forth between the input boxes using the **←** and **→** keys.

You can change a date format in the **Date format** option below.

- **Time:** enter the current time. You can move the cursor using the **←** and **→** keys. Switch to AM or PM by pressing one of the number keys.

You can change the time format in the **Time format** option below.

- **Time format:** select the time format using the **←** and **→** keys. You can choose from **12H** and **24 H**.
- **Date format:** select the date format using the **←** and **→** keys. You can choose from:
 - DD/MM/YYYY (day/month/year)
 - MM/DD/YYYY (month/day/year)
 - YYYY/MM/DD (year/month/day)
 - YYYY/DD/MM (year/day/month)

Own Number (Menu 9-7)

To store your own phone number(s) with a name;

1. Scroll to a number and press the **Select** soft key.
2. Edit the name and my number.
3. Press the **Save** soft key to save it. Otherwise press the **Cancel** soft key.

Your phone automatically turns off and then back on.

Memory Status (Menu 9-8)

You can check the memory status of Phone and SIM memory. To change the memory to Phone or SIM press the **SIM** or **Phone** soft key.

You can see the total used and free memory.

You can also the memory used by several applications. Select an application from the list and press the **OK** key to see the detailed information.

Mater Reset (Menu 9-9)

This menu option allows you to reset your phone to its default configuration.

1. When the display asks you to enter the phone password, enter it and press the **Confirm** soft key.
2. When you are asked to confirm your choice, press the **OK** soft key.

To exit the function without resetting the settings, press the **Cancel** soft key.

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

No SIM Card

- Check that the SIM card is correctly installed.

Enter Password

- The Phone Lock feature is enabled. You must enter the phone password each time you switch the phone on. To disable this feature, use the **Phone lock** menu option (**Menu 9-5-1**).

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. You must enter the PIN each time you switch the phone on. To disable this feature, use the **PIN lock** menu option (**Menu 9-5-3**).


Enter PUK

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


“No service” is displayed

- The network connection was lost. You may be in a weak reception 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 (the Mute icon () appears)?
- 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 “Battery Low” flashes on the display

- The battery is insufficiently charged. Recharge it. See page 14.

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.

Solving Problems

- Re-store them, 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 unauthorized use.

The access codes (except for the PUK and PUK2 codes) can be changed using the **Security** menu option (**Menu 9-5**). See page 103 for further details.

Phone Password

The phone password can be used to avoid unauthorised use of your phone. The password "0000" is usually supplied with the phone. Change the password before you start using your phone. Keep the new password secret and in a safe place, which is separate from the phone.

If you enter an incorrect password five times in succession, the phone will not accept the correct code for the next five minutes.

PIN

The PIN (Personal Identification Number) protects your SIM card against unauthorised use. It is usually supplied with the SIM card. When the PIN Check feature is enabled (see page 104), you must enter the PIN each time you switch on the phone.

If you enter an incorrect PIN three times in succession, enter the PUK and press the **Confirm** soft key to unlock the phone. Enter a new PIN and press the **Confirm** soft key. Enter the new PIN again and press the **Confirm** soft key.

Precautions When Using Batteries

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

- Never use any charger or battery that is damaged in any way.
- Use the battery only for its intended purpose.
- If you use the phone near the network's base station, it uses less power; talk and standby times are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Battery charging times depend 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 back of the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuit.
- Dispose of used batteries in accordance with local regulations. Always recycle. Do not dispose of batteries in a fire.

Operating Environment

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

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

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

Electronic Devices

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

Pacemakers

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

Persons with pacemakers:

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

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

Hearing Aids

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

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch off your phone in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle.

You should also consult the manufacturer of any equipment that has been added to your vehicle.

Obey posted instructions

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. Enter 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

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years.

- Keep the phone and all its parts and accessories out of the reach of small children.
- Keep the phone dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not touch the phone with wet hands while it is charging. Doing so may give you an electric shock or damage 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.

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 guarantees 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 programme 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."

MMS (Multimedia Message Service)

A message service for the mobile environment, standardized by the WAP Forum and the 3rd Generation Partnership Program (3GPP). For phone users, MMS is similar to Short Message Service (SMS)-it provides automatic, immediate delivery of user-created content from phone to phone. The message addressing used is primarily phone numbers, thus the traffic goes from phone to phone. MMS also provides support for e-mail addressing, so that messages can also be sent by e-mail. In addition to the text content of SMS, MMS messages can contain still images, voice or audio clips, and later also video clips and presentation information.

Multiparty Calling

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

Packet-Switched

A type of network in which relatively small units of data called packets are routed through a network based on the destination address contained within each packet. Today's Internet is a quintessential packet-switched network. Whereas voice requires a smooth flow of traffic to avoid echo and breakup, data can be cut into small packets with each being sent across the network and reassembled at the final destination. Packet inevitably allows a greater amount of users because it does not require a dedicated open circuit. PDC-P in Japan, GPRS in Europe and all the future 3G networks will be packet-switched.

PIN (Personal Identification Number)

Security code that protects the phone/SIM 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.

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.

**UMTS (Universal Mobile
Telecommunications System)**

A 3rd generation (3G) mobile communications technology that promises data transmission speeds of up to 2 megabits per second (Mbps).

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