Protection: allows you to set the picture not to be deleted.

Delete: deletes the picture.

Using the Camera options

In the capture mode, you can use various options by pressing the **Options** soft key.

To	Press the
scroll to an option	⌃ or ⌄ key.
select the highlighted option	**Select** soft key or the > key.
return to the capture mode	**Back** soft key or **C** key.

The following options are available:

Effects: allows you to change the colour tone or apply special effects to the picture. When you select an option, the display shows your setting and prompts you to confirm it. Press the **Yes** soft key.

Frame: allows you to use the frame. Select a frame from the list using the Navigation keys.

Multi-Shot: allows you to take action stills. Select the capture speed, **High Speed** or **Normal Speed**, and the number of pictures the camera will take. When you press the **Take** soft key, the camera takes pictures successively.

Rotation: rotates the picture. You can reverse the picture as a mirror image or flip the picture vertically.

Timer: allows you to have a delay time before the camera takes a picture. Select the length of time you want. When you press the **Take** soft key, the camera takes the picture after a specified time.

Picture Size: allows you to select a picture size. The higher the value, the higher the image quality and larger the file size. Once you change this setting, it is saved for the next shots.

Image Quality: allows you to change the image quality. Once you change this setting, it is saved for the next shots.

My Photos *(Menu 4.2)*

This menu allows you to review your photos.When you access this menu, your phone displays them in the thumbnail mode, which shows photos as a small image.

To view the photos on the full screen, press the **View** soft key. To go back to the thumbnail mode, press the **Multi** soft key.

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

Send: allows you to send the photo as a multimedia message. For further details, see page 80.

Set This Photo as: allows you to set the picture as your wallpaper for the idle screen or power on or off image.

Protection: allows you to set the picture not to be deleted.

Delete: deletes the picture.

Delete All: deletes all of the pictures saved in your phone. This option

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

Properties: shows the properties of the picture, such as date and time it was taken, file size, image size, protection status, file format and file name.

Video *(Menu 4.3)*

You can record a video that is currently displayed on the camera screen and save it as a video file.

Record *(Menu 4.3.1)*

1. Press the **Rec** soft key to start recording.

   If you want to use the video options before recording, press the **Options** soft key. For details, see the next page.

2. When you are finished, press the **Stop** soft key.

   Or, the phone automatically stops when the recording time expires.

3. Press the **Save** soft key.

   The video is saved.

Using the Video Options

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

(The options are not available on the current phone!!!)

Video Clips *(Menu 4.3.2)*

When you access this menu, the thumbnail images of the videos displays.

To play back a video:

1. Press the Navigation keys to scroll to the video you want to view.

2. Press the **Play** soft key to start the playback.

3.

To	Press the
pause the playback	**Pause** soft key.
resume	**Continue** soft key.
stop the playback	**Stop** soft key.
return to the idle screen	☎ key.

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

Rename: allows you to change the file name.

Delete This: deletes the current video file.

Delete All: deletes all of your video files.

Protection: allows you to set the video file not to be deleted.

Sound Settings

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

- ring melody, volume and type.
- sounds made when you press a key, receive a message, open/close the folder or switch your phone on/off.
- alert tone made every minute during a call, when you make an error or when your call is connected to the system.

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

Ring Tone *(Menu 5.1)*

This menu allows you to select a ring melody.

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

Ring Volume *(Menu 5.2)*

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

Use the ^ and v keys or the volume keys on the left side of the phone to increase or decrease the volume.

Alert Type *(Menu 5.3)*

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

The following options are available:

Light Only: the service light flashes; the phone neither rings nor vibrates.

Melody: the phone rings using the ring melody selected in the **Ring Tone** menu (**Menu 5.1**); see page 98.

Vibration: the phone vibrates but does not ring.

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

Keypad Tone *(Menu 5.4)*

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

To turn the sound off, select **Off**.

Message Tone *(Menu 5.5)*

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

SMS Tone *(Menu 5.5.1)*

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

The following options are available:

Off: the phone does not use the SMS tone.

Light Only: the service light flashes.

Vibration: the phone vibrates.

Single Beep: the phone beeps once.

SMS Tonex: the phone uses one of several SMS tones.

SMS-CB Tone *(Menu 5.5.2)*

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

The following options are available:

Off: the phone does not use the CB tone.

Light Only: the service light flashes.

Vibration: the phone vibrates.

Single Beep: the phone beeps once.

SMS-CB Tonex: the phone uses one of several CB tones.

Folder Tone *(Menu 5.6)*

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

To turn the sound off, select **Off**.

Power On/Off *(Menu 5.7)*

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

To turn the sound off, select **Off**.

Extra Tones *(Menu 5.8)*

You can customise additional tones used for the phone.

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

The following options are available:

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

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

Connect Tone: sets your phone to beep when your call is connected to the system.

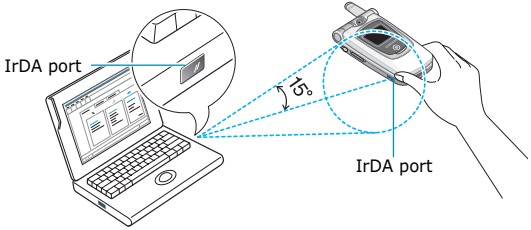
Phone Settings

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

Infrared Activate *(Menu 6.1)*

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

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



The connection is ready for data transmission.

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

Note: For the best performance, use the data link cable supplied in your SGH-P500 kit.

Display Settings *(Menu 6.2)*

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

Wallpaper *(Menu 6.2.1)*

This menu allows you to change the background image or the colour of the text to be displayed in Idle Mode.

The following options are available:

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

To change the background image:

1. Scroll through the list by pressing the ⌃ or ⌄ key.

   You have various preset images available. You can also select the blank background and any images downloaded from the Internet and the EasyGPRS programme or received by messages. Once you have set a photo as the wallpaper, it displays as **My Photo.icn** on this list.

2. Press the **Select** soft key when the image you want highlights.

3. When the image displays, press the **Select** soft key to display it on the idle screen.

Text Display: you can specify whether or not the phone displays the text, such as the date and time and the service provider's name.

Text Color: you can select a colour of the text to be displayed on the idle screen.

Menu Style *(Menu 6.2.2)*

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

Brightness *(Menu 6.2.3)*

This menu allows you to adjust the brightness of the display screen to see it better in different lighting conditions.

Adjust the brightness by using the ⌃ and ⌄ keys or the ▲ and ▼ keys on the left side of the phone.

Back Light *(Menu 6.2.4)*

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

Select the length of time the backlight is on. The backlight turns on when you press a key or receive a call or message and remains on for the specified length of time.

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

Auto Light *(Menu 6.2.5)*

This feature helps you to conserve your battery power by allowing you to set the backlight to be used at certain times.

The following options are available:

Disable: the backlight is used according to your setting in the **Back Light** menu (**Menu 6.2.4**); see page 105.

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

Service Light *(Menu 6.2.6)*

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

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

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

Graphic Logo *(Menu 6.2.7)*

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

Off: the service provider's name displays in Idle Mode.

On: the service provider's logo stored in your phone displays in Idle Mode; if no logo has been stored, the service provider's name displays.

Greeting Message *(Menu 6.3)*

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

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

For further details about how to enter characters, see page 42.

Own Number *(Menu 6.4)*

This feature allows you to:

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

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

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

Language *(Menu 6.5)*

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

Security *(Menu 6.6)*

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

Various codes and passwords are used to protect the features of your phone. They are described in the following sections. Also see pages 149-152.

PIN Check *(Menu 6.6.1)*

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

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

To change your PIN, see the **Change PIN** menu (**Menu 6.6.2**) on the following page.

The following options are available:

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

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

Change PIN *(Menu 6.6.2)*

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

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

Phone Lock *(Menu 6.6.3)*

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

The password is preset to "00000000" at the factory. To change the phone password, see the **Change Password** menu (**Menu 6.6.4**) below.

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

The following options are available:

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

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

Change Password *(Menu 6.6.4)*

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

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

SIM Lock *(Menu 6.6.5)*

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

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

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

FDN Mode *(Menu 6.6.6)*

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

The following options are available:

Disable: you can call any number.

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

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

To change your PIN2, see the **Change PIN2** menu (**Menu 6.6.7**) below.

Change PIN2 *(Menu 6.6.7)*

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

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

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

Extra Settings *(Menu 6.7)*

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

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

The following options are available:

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

Note: The interval between two call attempts varies.

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

When it is unchecked, you must open the folder and press a key, depending on the setting of the **Anykey Answer** option. See below.

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

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

Reset Settings *(Menu 6.9)*

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

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

Note: The password is preset to "00000000." To change this password, see page 109.

Organiser

The Organiser feature enables you to:

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

Alarm *(Menu 7.1)*

This feature allows you to:

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

The following options are available:

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

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

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

To set an alarm:

1. Choose the type of alarm to be set and press the **Select** soft key.

2. Enter the time for the alarm to sound.

   Note: Your phone is preset to use 24-hour format. To change the format, see page 118.

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

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

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

4. If you select **Morning Call** in Step 1, choose the repeat option, **Monday to Friday** or **Monday to Saturday**, and press the **Select** soft key.

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

Remove Alarm: deactivates all alarm settings.

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

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

Calendar *(Menu 7.2)*

With the Calendar feature, you can:

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

Consulting the Calendar

When you select the **Calendar** menu (**Menu 7.2**), the calendar displays. The following options are available when you press the **Options** soft key:

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

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

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

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

Writing a Memo

You can make up to 30 memos for one day.

To write or edit a memo on a specific date:

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

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

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

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

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

   Note: For further details about how to enter characters, see page 42.

   You are asked if you wish to set an alarm.

4. If you want an alarm to ring on the chosen day, press the **Yes** soft key.

   Otherwise, press the **No** soft key. The memo is saved.

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

   You can also select the melody for the alarm by pressing the **Melody** soft key.

The colour of the date on the calendar changes to green to indicate that a memo exists.

Viewing a Memo

When you select a day for which a memo already exists on the calendar, the latest memo for the day displays.

If more than one memo is stored, press the ⌃ or ⌄ key to scroll to the previous or next memo.

Press the **New** soft key to add a new memo to the day.

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

Edit: allows you to change the memo text.

Alarm: allows you to set an alarm to ring at the specified time to inform you of the memo. If you set the alarm earlier, you can change or delete it.

Delete: allows you to delete the memo.

Copy to: allows you to copy the memo to another date.

Move to: allows you to change the date of the memo.

Time & Date *(Menu 7.3)*

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

The following options are available:

Set Time: allows you to enter the current time. You can choose the time format in the **Time Format** menu (**Menu 7.3.4**). See below.

Note: Before setting the time, you must specify your time zone, in the **World Time** menu (**Menu 7.3.3**).

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

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

The screen shows the:

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

To select your time zone:

1. Select the city corresponding to your time zone by pressing the ❮ or ❯ key one or more times. The local date and time display.
2. Press the **Set** soft key.

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

Calculator *(Menu 7.4)*

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

1. Enter the first number using the numeric keys.

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

2. Press the right soft key until the required arithmetic symbol appears: **+** (addition), **-** (subtraction), ∗ (multiplication), **/** (division).
3. Enter the second number.
4. To view the result, press the ↝ key.
5. Repeat steps 1 to 4 as many times as required.

To Do List *(Menu 7.5)*

This feature allows you to:

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

Creating the To Do List

1. Press the **New** soft key.
2. Enter the first task.

   Note: For further details about how to enter characters, see page 42.

3. Press the **OK** soft key.
4. Select high, normal or low priority using the ⌃ and ⌄ keys and press the **Select** soft key.
5. Enter your deadline and press the **OK** soft key.

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

Editing the To Do List

When you select the **To Do List** menu (**Menu 7.5**), the current contents display with the status mark and priority; for High, for Normal and for Low.

To view the details for a specific task	① highlight the task. ② press the **View** soft key. ③ scroll through the tasks using the ⌃ and ⌄ keys, if necessary.
To change the status of a specific task	① highlight the task. ② press the * key to mark the task as completed as of the current date and time. or ① highlight the task. ② press the **Options** soft key. ③ select the **Mark** option. ④ select the appropriate status (**Done** or **Undo**).
To create a new task	① press the **Options** soft key. ② select the **New** option. ③ enter the text, priority and/or deadline for the task.
To edit an existing task	① highlight the task. ② press the **Options** soft key. ③ select the **Edit** option. ④ change the text, priority and/or deadline for the task, as required.

To sort the existing tasks by priority or status	① press the **Options** soft key. ② select the **Sort** option. ③ select the sort criterion (**High**, **Low**, **Done** or **Undo**).
To copy a task	① highlight the task. ② press the **Options** soft key. ③ select the **Copy** option. ④ change the text, priority and/or deadline for the task, as required.
To copy a task to the calendar	① highlight the task. ② press the **Options** soft key. ③ select the **Copy to Calendar** option. ④ change the text and deadline for the task and set the alarm, as required.
To delete a task	① highlight the task. ② press the **Options** soft key. ③ select the **Delete** option.
To delete all tasks	① press the **Options** soft key. ② select the **Delete All** option. ③ confirm the deletion by pressing the **OK** soft key.
To exit the To Do list	① press the **Options** soft key. ② select the **Exit** option.

Voice Memo *(Menu 7.6)*

You can record up to 5 voice memos of 30 seconds each. After recording, you can send a memo to other people using the multimedia message service.

Record *(Menu 7.6.1)*

This menu allows you to record a new memo. When you select this option, the display shows the 30-second timer.

1. To start recording, press the **Record** soft key.
2. Record a memo by speaking into the microphone.
3. When you press the **Stop** soft key or the recording time expires, the following options display:
   - **Replay**: plays back your memo.
   - **Re-record**: discards the memo and enables you to record another one.
   - **Save**: allows you to save the memo.
   - **Quit**: cancels your recording and exits the **Record** menu.
4. To save the memo, choose **Save** from the options and press the **Select** soft key.
5. Press the **C** key to clear the default name, if necessary, and enter a name for the memo.

   For further details about how to enter characters, see page 42.

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

   The memo is saved and then the display shows the memo information.
7. Press the **Options** soft key to use the following memo options:
   - **Send**: allows you to send the memo to other people by using the MMS feature. Follow the procedure on page 80.
   - **Rename**: allows you to change the memo's name.
   - **Delete**: deletes the memo.
8. To exit, press the **C** or ☎ key.

Memo List *(Menu 7.6.2)*

This menu shows your voice memo list. Scroll to a memo and press the **Options** soft key. The following options are available:

Play: plays back the memo.

Send: allows you to send the memo to other people by using the MMS feature. See page 80 for further details about sending a message.

Rename: allows you to change the memo's name.

Information: displays information about the memo, such as name, recording duration, and date and time when the memo was made.

Delete: deletes the memo.

Delete All *(Menu 7.6.3)*

In this menu, you can delete all of your voice memos.

When the confirming message appears, press the **Yes** soft key. To cancel the deletion, press the **No** soft key.

Currency Exchange *(Menu 7.7)*

Using this menu, you can make currency conversions.

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

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

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

   The amount you entered and its equivalent value display.

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

Network Services

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

Call Diverting *(Menu 8.1)*

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

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

Call diverting can be set up in the following ways:

Divert Always: all calls are diverted.

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

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

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

Cancel All: all call diverting options are cancelled.

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

- Voice calls only
- Data calls only

To set your call diverting options:

1. Select the type of call diverting by pressing the ⌃ or ⌄ key, and then press the **Select** soft key.

2. Select the type of calls to be diverted by pressing the ⌃ or ⌄ key, and then press the **Select** soft key.

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

3.

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

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

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

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

Call Barring *(Menu 8.2)*

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

Call barring can be set up in the following ways:

All Outgoing: calls cannot be made.

International: international calls cannot be made.

International Except to Home: when abroad, calls can be made only to numbers within the current country and to your home country, which is the country where your home network provider is located.

All Incoming: calls cannot be received.

Incoming While Abroad: calls cannot be received when you are using your phone outside of your home service area.

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

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

- Voice calls only
- Data calls only

To set your call barring options:

1. Select the type of call barring by pressing the ⌃ or ⌄ key, and then press the **Select** soft key.

2. Select the type of calls to be barred by pressing the ⌃ or ⌄ key, and then press the **Select** soft key.

3. Press the **Activate** soft key to confirm your settings.

4. Enter your call barring password supplied by your service provider.

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

To deactivate specific call barring settings:

1. Select the call barring option to be deactivated.

2. Select the type of call to which this option applies.

3. Press the **Deactivate** soft key.

4. Enter your call barring password supplied by your service provider.

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

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

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

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

Call Waiting *(Menu 8.3)*

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

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

- Voice calls only
- Data calls only

To set your call waiting options:

1. Select the type of calls to which you want to apply the call waiting option by pressing the ^ or v key, and then press the **Select** soft key.

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

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

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

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

Network Selection *(Menu 8.4)*

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

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

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

1. When **Network Selection** displays, press the **Select** soft key.
2. Press the ⌃ or ⌄ key until the appropriate option highlights and then press the **OK** soft key.

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

   If you select **Manual**, the phone scans for the available networks. Go to Step 3.
3. Press the ⌃ or ⌄ key until the preferred network highlights and then press the **OK** soft key.

   You are connected to that network.

Caller ID *(Menu 8.5)*

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

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

The following options are available:

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

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

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

Closed User Group (CUG) *(Menu 8.6)*

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

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

Activating a Closed User Group

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

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

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

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

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

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

Band Selection *(Menu 8.7)*

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

- GSM 900
- GSM 1800
- Combined GSM 900/1800
- GSM 1900

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

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

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

Funbox

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

WAP Browser *(Menu 9.1)*

Your phone is equipped with a WAP (Wireless Application Protocol) browser to allow you to access and navigate the Wireless Web via your phone.

Home *(Menu 9.1.1)*

Selecting this menu connects the phone to the network and loads the homepage of the Wireless Web service provider. You can also press the *i* key in Idle Mode.

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

Note: To access the startup homepage from any other screen in the WAP browser, use the **Home** option. For further details about the WAP Browser menus, see page 136.

Exiting the WAP Browser

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

Navigating the WAP Browser

To	Press the
scroll through and select browser items	⌃ or ⌄ key until the symbol ▶ points to the item, and then press the **Select** soft key to confirm the selection.
select a numbered item	corresponding numeric key.
return to the previous page	**Back** soft key or the **C** key.
return to the startup homepage	✱ key and select the **Home** option. For further details about this option, see page 136.

Entering Text in the WAP Browser

When you are prompted to enter text, the current text entry mode is indicated on the screen.

The following modes are available:

Upper-case character (**A**): allows you to enter upper-case English characters.

Lower-case character (**a**): allows you to enter lower-case English characters.

T9 (T9): allows you to enter English characters by pressing one key per letter. In this mode, you can use only the **0** key to display alternative words. To change the case, press the ✱ key.

Number (**1**): allows you to enter numbers.

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

Selecting and Using Browser Menu Options

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

To access a menu option:

1. Press the * key.
   A menu list displays.
2. Highlight a menu by pressing the ^ or v key.
3. Select an option by pressing the **Select** soft key.
4. If necessary, select the secondary option using the ^ and v keys, and press the **Select** soft key to confirm.

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

The following options are available:

Reload: reloads the current page.

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

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

Show URL: displays the URL address of the Web page to which you are currently connected. It also enables you to set the current site as the startup home page.

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

Edit Home: allows you to change the startup home page manually. Enter the URL and press the **OK** soft key. For further details about entering text, see page 135.

Clear Cache: deletes the information stored in the cache, which stores the most recently accessed Web pages.

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

Favorite *(Menu 9.1.2)*

This menu allows you to store the URL addresses of up to five of your favourite web sites. You can access this menu directly by pressing and holding the # key while using the WAP browser.

To store a URL address:

1. Select an empty location and press the **Options** soft key.
2. Enter the address and press the **Enter** soft key.

   For further details about how to enter characters, see page 42.
3. Enter a name for the favourite item and press the **Enter** soft key.

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

Goto URL: quickly accesses you to the site.

Edit: allows you to edit the address.

Delete: deletes the address.

http:// *(Menu 9.1.3)*

This menu allows you to manually enter the URL address of the Web site that you wish to access. You can access this menu directly by pressing and holding the * key in the WAP browser.

For further details about how to enter characters, see page 42.

Settings *(Menu 9.1.4)*

This menu allows you to set up five proxy servers for the WAP browser. Contact your service provider for details about your Settings options.

For each server, the following options are available:

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

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

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

Bearer: select a bearer to be used for each type of network address accessed; **GPRS** or **Data**.

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

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

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

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

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

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

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

Login Name: enter the PPP server login ID.

Password: enter the PPP server password.

Dial-up Number: enter the PPP server phone number.

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

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

Clear Cache *(Menu 9.1.5)*

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

Press the **Yes** soft key to confirm the deletion. Otherwise, press the **No** soft key.

Push Message *(Menu 9.1.6)*

In this menu, you can receive and access web messages from the server.

The following options are available:

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

Receive: allows you to set whether or not your phone receives web messages.

Delete All: allows you to delete all of the web messages.

Games *(Menu 9.2)*

You can download MIDlets (Java applications running on mobile phones) from various sources using the WAP Browser and store them in your phone.

When you access the **Games** menu, the list of the default games appears. Once you have downloaded games, they are added to the list.

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

Launching a MIDlet

1. Scroll to the MIDlet you want on the Games list and press the **Launch** soft key.
2. On the startup screen of the MIDlet, scroll to an option using the Navigation keys.

   The following options are available:

   - **START GAME**: starts a new game.
   - **CONTINUE**: allows you to continue the last game you played.
   - **HIGH SCORE**: shows the high score table. This option may not be available for some games.
   - **HOW TO PLAY**: shows how to play the game and the key functions for the game.
   - **OPTION**: allows you to switch the game sound on or off.
3. Press the *i* key to confirm your selection.

While you are playing a game, to	Press the
adjust the sound volume	Volume keys.
stop the game and return to the startup screen	**C** key.
exit the game	☎ key.

Viewing MIDlet Information

1. Scroll to the MIDlet you want and press the **Info** soft key.

   The display shows information about the MIDlet, such as file size, application version and its vendor.

2. To scroll to other MIDlet information, press the ⌃ or ⌄ key.

3. If you want to delete the MIDlet, press the **Delete** soft key and then press the **Yes** soft key to confirm the deletion.

   Note: When you select the default games from the list, the **Delete** option is not available, so that you cannot delete them.

4. To exit and return to the Games screen, press the **Back** soft key or the **C** key.

Changing the DNS Settings

The DNS (Domain Name Server) is the server that resolves the Java server domain name into the IP address. The DNS setting is preset at the factory, but sometimes you may need to change it at your service provider's instructions.

1. Scroll to **Settings** on the Games list and press the **Select** soft key.

2. Enter the primary address using the number keypad and press the **OK** soft key.

3. Enter the secondary address and press the **OK** soft key.

Entering Text

For entering text while using a MIDlet, the following input modes are available:

Upper-case character (**A**): allows you to enter upper-case English characters.

Lower-case character (**a**): allows you to enter lower-case English characters.

Number (**1**): allows you to enter numbers.

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

T9 (T9): allows you to enter English characters by pressing one key per letter. In this mode, you can change the case by pressing the **0** key.

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

Sounds *(Menu 9.3)*

In this menu, you can view the list of sounds downloaded from the web server or received in multimedia messages. You can set the downloaded sounds as the current ring tone or send them to other phones.

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

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

Delete: deletes the sound.

Set as Ring Tone: sets the sound as your ring tone.

Images *(Menu 9.4)*

In this menu, you can view the list of pictures downloaded from the web server or received in messages. You can set the downloaded pictures as the current background image or send them to other phones.

If you set a photo as your wallpaper, it displays as **My Photo.icn** on the list.

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

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

Delete: deletes the image.

Set as Wallpaper: sets the image as your wallpaper.

Delete All *(Menu 9.5)*

This menu allows you to delete all of the downloaded items in the Games, Sounds and Images folders. You can delete all of the items at one time.

To	Press the
select a folder to clear	⌃ or ⌄ key. To delete all of your items, select **All**.
place a check mark	**Mark** soft key.
remove a check mark	**Unmark** soft key.
delete the marked items	**Delete** soft key.

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

Memory Status *(Menu 9.6)*

You can check the amount of memory for games or sounds and images. The display shows the total, free and used space, and the number of objects you downloaded.

Solving Problems

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

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

Insert SIM Card

- Check that the SIM card is correctly installed.

Phone Locked Enter Password

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

Enter PIN

- You are using your phone for the first time. You must enter the Personal Identification Number (PIN) supplied with the SIM card.
- The PIN Check feature is enabled. Every time the phone is switched on, the PIN has to be entered. To disable this feature, use the **PIN Check** menu (**Menu 6.6.1**).

Enter PUK

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

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

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

You have entered a number but it was not dialled

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

Your correspondent cannot reach you

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

Your correspondent cannot hear you speaking

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

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

- Your battery is insufficiently charged. Recharge the battery.

The audio quality of the call is poor

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

No number is dialled when you recall a Phonebook entry

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

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

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

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

Access Codes

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

When requested for any of the codes explained below, enter the appropriate code (displayed as asterisks) and press the **OK** soft key. If you make a mistake, press the **C** key one or more times until the incorrect digit is cleared and then continue entering the correct code.

The access codes, except for the PUK and PUK2 codes, can be changed using the **Security** menu (**Menu 6.6**). See page 108 for further details.

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

Phone Password

The Phone Lock feature uses the phone password to protect your phone against unauthorised use. The phone password is supplied with the phone and is preset to "00000000" at the factory.

To	See
activate/deactivate the Phone Lock feature	page 109 (**Menu 6.6.3**).
change the phone password	page 109 (**Menu 6.6.4**).

PIN

The **P**ersonal **I**dentification **N**umber or PIN (4 to 8 digits) protects your SIM card against unauthorised use. It is usually supplied with the SIM card.

If you enter an incorrect PIN three times in succession, the code is disabled and cannot be used until you re-enable it by entering the PUK (see below).

To	See
activate/deactivate the PIN Check feature	page 108 (**Menu 6.6.1**).
change the PIN	page 109 (**Menu 6.6.2**).

PUK

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

To re-enable your PIN:

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

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

PIN2

The PIN2 (4 to 8 digits), supplied with some SIM cards, is required to access specific functions, such as setting the maximum cost of a call. These functions are available if supported by your SIM card.

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

To change the PIN2, see page 110 (**Menu 6.6.7**).

PUK2

The 8-digit PUK2 (**P**IN **U**nblocking **K**ey **2**), supplied with some SIM cards, is required to change a disabled PIN2. If you lose the code, contact your service provider.

To re-enable your PIN2:

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

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

Barring Password

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

You can change this password in the **Call Barring** menu (**Menu 8.2**). See page 128 for further details.

Health and Safety Information

Exposure to Radio-Frequency Energy (SAR Information)

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

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

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

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

Health and Safety Information

Exposure to Radio Frequency (RF) Signals

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

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

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

*In the U.S. and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output of the phone.
Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement.

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

FCC certification information for this model phone is attached separation paper.

For Body Operation

This device was tested for typical body-worn operations with the back of the phone kept 1.5 cm from the body. To maintain compliance with FCC RF exposure requirements, use only belt-clips, holsters or similar accessories that maintain a 1.5 cm separation distance between the user's body and the back of the phone,including the antenna. The use of belt-clips, holsters, and similar accessories should not contain metallic components. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

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

Federal Communications Commission (FCC)
http://www.fcc.gov/rfsafety

Cellular Telecommunications Industry Association (CTIA):
http://www.wow-com.com

U.S.Food and Drug Administration (FDA)
http://www.fda.gov/cdrh/consumer

World Health Organization (WHO)
http://www.who.int/peh-emf/en

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

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

Precautions When Using Batteries

- Never use any charger or battery that is damaged in any way.
- Use the battery only for its intended purpose.
- If you use the phone near the network's base station, it uses less power; talk and standby time are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Battery charging time depends on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.

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

Road Safety

Your wireless phone gives you the powerful ability to communicate by voice, almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When driving a car, driving is your first responsibility. When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

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

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

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

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

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

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

7. Do not engage in stressful or emotional conversations that may be distracting. Make the people with whom you are talking aware that you are driving and suspend conversations that have the potential to divert your attention from the road.

8. Use your wireless phone to call for help. Dial an emergency number in case of fire, traffic accident or medical emergencies. Remember, it is a free call on your wireless phone!

9. Use your wireless phone to help others in emergencies. If you see a car accident, crime in progress or other serious emergency where lives are in danger, call an emergency number, as you would want others to do for you.

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

Operating Environment

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

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

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

Electronic Devices

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

Pacemakers

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

Persons with pacemakers:

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

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

Hearing Aids

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

Other Medical Devices

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

Vehicles

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

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

Posted Facilities

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

Potentially Explosive Environments

Switch your phone off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

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

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

Emergency Calls

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

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

To make an emergency call, proceed as follows.

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

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

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

Other Important Safety Information

- Only qualified personnel should service the phone or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your phone off 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 corrode electronic circuits.
- Do not use the phone with a wet hand. Doing so may cause an electric shock to you or damage to the phone.
- Do not use or store the phone in dusty, dirty areas, as its moving parts may be damaged.
- Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the phone in cold areas. When the phone warms up to its normal operating temperature, moisture can form inside the phone, which may damage the phone’s electronic circuit boards.
- Do not drop, knock or shake the phone. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

- Do not paint the phone. Paint can clog the device's moving parts and prevent proper operation.
- Do not put the phone in or on heating devices, such as a microwave oven, a stove or a radiator. The phone may explode when overheated.
- Use only the supplied or an approved replacement antenna. Unauthorised antennas or modified accessories may damage the phone and violate regulations governing radio devices.
- If the phone, battery, charger or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

Glossary

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

Active Folder

Ability to answer a call simply by opening the phone.

Call Barring

Ability to restrict outgoing and incoming calls.

Call Diverting

Ability to reroute calls to another number.

Call Holding

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

Call Waiting

Informs you that you have an incoming call when you are engaged on another call.

Caller Line Identification Services (Caller ID)

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

EMS (Enhanced Message Service)

An adaptation of the Short Message Service (SMS) that allows you to send and receive ring tones and service provider's logo, as well as combinations of simple media to and from EMS-compliant handsets. Because EMS is based on SMS, it can use SMS centres the same way that SMS does. EMS works on all Global System for Mobile communications (GSM) networks. EMS senders can use text, melodies, pictures, sounds, and animations to enhance the expressive power of messages that are limited by the display constraints of mobile devices.

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 provides continuous connection to the Internet for mobile phone and computer users. It is based on the Global System for Mobile Communication (GSM) circuit-switched cellular phone connections and the Short Message Service (SMS).

GSM (Global System for Mobile Communication)

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

Java

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

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 be sent by e-mail. In addition to the text content of SMS, MMS messages can contain still images, voice or audio clips, and also video clips and presentation information.

Multi-party Calling

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

Phone Password

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

PIN (Personal Identification Number)

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

PUK (PIN Unblocking Key)

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

Roaming

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

SDN (Service Dialling Numbers)

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

SIM (Subscriber Identification Module)

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

SMS (Short Message Service)

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

Soft Keys

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

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

Tri Band

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

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

Voice Mail

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

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Tri Band SGH-P500 GPRS Telephone

Quick Reference Card

Switch On/Off	Press and hold the key.
Make a Call	① Enter the number. ② Press the key.
End a Call	Briefly press the key.
View Missed Calls Immediately After Missing Them	① Open the phone and press the **View** soft key. ② Scroll with the and keys through the missed calls. ③ To return the call, press the key.

Access the Menu Functions	① Press the **Menu** soft key. ② Scroll with the and keys through the list of the menus until you reach the menu you want. ③ Press the **Select** soft key. ④ Scroll with the and keys through the list of the options until the one you want is selected. ⑤ Press the **Select** soft key.

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

Answer a Call	Open the phone or Press the ☎ key.
Adjust the Volume	Press the ▲ or ▼ key on the left side of the phone.
Choose the Alert Type	① Select the **Alert Type** menu (**Menu 5.3**). ② Select an option: • **Light Only** • **Melody** • **Vibration** • **Vibra+Melody** ③ Press the **Select** soft key.
Store Numbers in Phonebook	① Enter the number and press the **Save** soft key. ② Select an icon. ③ Press the **Select** soft key. ④ Select a memory. ⑤ Press the **Select** soft key.
Store Numbers in Phonebook (continued)	⑥ Enter the name. ⑦ Press the **OK** soft key. ⑧ If necessary, change the location number. ⑨ Press the **OK** soft key. ⑩ Press the ☎ key to return to Idle Mode.
Search for a Number in Phonebook	① Press the **Name** soft key. ② Select the **Search** option. ③ Enter the first few letters of the name. ④ To scroll through the names, press the > or < key. ⑤ Press the **View** soft key. ⑥ To scroll through the numbers, press the > or < key. ⑦ Press the ☎ key to dial.

Declaration of Conformity (R&TTE)

For the following product :

TRI BAND GSM TELEPHONE

(Product Name)

SGH-P500

(Model Number)

Manufactured at :

Samsung Electronics, 94-1 Imsu-Dong, Gumi City, Kyung Buk, Korea, 730-350

(factory name, address*)

to which this declaration relates, is in conformity with the following standards and/or other normative documents.

Safety	**: EN 60950:2000**
EMC	**: EN 301 489-1:2000**
	EN 301 489-7:2000
SAR	**: EN 50360:2001**
	OET Bulletin 65, Supplement C:2001
Network	**: EN 301 511 V7.0.1**

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

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

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

The technical documentation kept at:

Samsung Electronics Euro QA Lab.

which will be made available upon request.

(Representative in the EU)

Samsung Electronics Euro QA Lab.
Blackbushe Business Park, Saxony Way,
Yateley, Hampshire, GU46 6GG, UK
2003. 3. 26

In-Seop Lee / S. Manager

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

* This is not the address of the Samsung Service Centre. For the address or the phone number of the Samsung Service Centre, see the warranty card or contact the retailer where you purchased your phone.

Tri Band SGH-E715 GPRS Telephone
Quick Reference Card

Switch On/Off	Press and hold the ☎\⏻ key.
Make a Call	① Key in the number. ② Press the ☎ key.
End a Call	Briefly press the ☎\⏻ key.
View Missed Calls Immediately After Missing Them	① Open the phone and press the **View** soft key. ② Scroll with the Up and Down keys through the missed calls. ③ To return the call, press the ☎ key.

Access the Menu Functions	① Press the **Menu** soft key. ② Scroll with the Up and Down keys through the list of the menus until you reach the menu you want. ③ Press the **Select** soft key. ④ Scroll with the Up and Down keys through the list of the options until the one you want is selected. ⑤ Press the **Select** soft key.

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Search for a Number in Phonebook	① Press the **Name** soft key. ② Select the **Search** option. ③ Enter the first few letters of the name. ④ To scroll through the names, press the Up or Down key. ⑤ Press the **View** soft key. ⑥ To scroll through the numbers, press the Up or Down key. ⑦ Press the key to dial.

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TRI BAND GSM TELEPHONE

(Product Name)

SGH-E715

(Model Number)

Manufactured at :

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(factory name, address*)

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