DUAL GSM TELEPHONE
SGH-2488
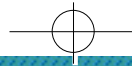
OWNER'S MANUAL

GSM

Contents

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6

Safety Precautions

Read these simple guidelines. Failure to comply with them may be dangerous or illegal.
For more detailed safety information, see Safety Information on page 133.

Road safety comes first
Do not use a hand-held phone while driving; park the vehicle first. Remember that in some countries, it is illegal to use a hand-held phone while driving.

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

Switch off in aircraft
Mobile phones can cause interference. Using them on aircraft is both illegal and dangerous.

Respect special regulations
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 (in a hospital for example).

Interference
All mobile phones may be subject to radio interference, which may affect their performance.

Qualified service

Only qualified service personnel must repair cellular equipment. Use only approved accessories and batteries.

Use sensibly

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

Emergency calls

Ensure the phone is switched on and in service. Enter the emergency number (112 or another official emergency number) and press 📞. Give your location. Do not end the call until given permission to do so. End the call by closing the flip cover or pressing 📵 .

IMPORTANT! Use only SAMSUNG-approved accessories. This phone is intended for use with a SAMSUNG-approved:
• Travel adapter (TA12)
• Desktop charger (DTC240G)
• Cigarette lighter adapter (CLA12)

The use of any other power accessory will invalidate any approval or warranty applying to the phone, and may be dangerous.

When you disconnect the power cord of any accessory, grasp and pull the connector, not the cord.

Unpacking

Your package contains the following items.
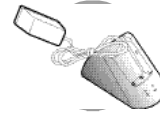
Phone   DTC   Batteries

Hand Strap   Necklace   Owner's Manual

Earphone   How to use the hand strap/necklace
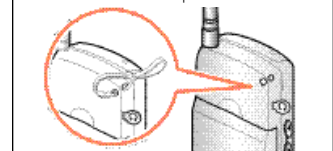
In addition, you can obtain the following accessories for your phone from your local SAMSUNG dealer:

• Cigarette lighter adapter (CLA12)

• Hands-free car kit (HFK240)

• Slim, Standard, and Extended batteries (BTI24G, BTS24G, BTE24G)

• Data kit (PCD9632)
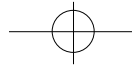
Your Phone

Phone Layout

The following illustration shows the main elements of your phone.

- Service light
- Antenna
- Earphone jack
- Earpiece
- Volume/menu scroll keys
- Display
- Cancel/Vibration/correction key
- Soft key (left)
- Soft key (right)
- Dial/menu comfirmation key
- Power/End key
- Alphanumeric keys
- Microphone
- Special function keys
- Flip cover
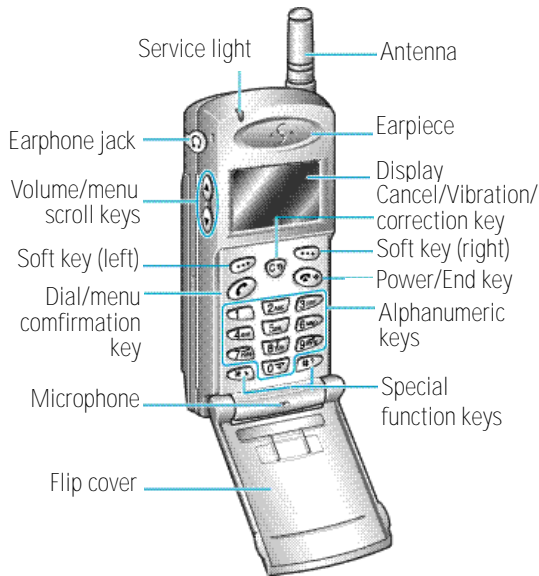
Key   **Description**

(soft keys) Perform the functions indicated by the text above them (in the bottom line of the display).

Deletes characters from the display. *In the menu facility*, returns to the previous menu level. *In idle mode*, Press and hold to turn vibrate alert on or off.

Makes or answers a call. *In idle mode*, recalls the last number dialled.*In the menu facility*, selects a menu function or stores information that you have entered (such as a name) in the phone or SIM memory.

Ends a call. Also switches the phone on and off when pressed and held. *In the menu facility*, returns to the idle mode and cancels your input.

Enters numbers, letters and some special characters.

Press and hold to turn the AnswerPhone on or off.

(on the side of the phone) *During a call*, adjusts the earpiece volume. *In idle mode* with the flip cover open, the keys adjust the key tone volume. *In the menu facility*,scrolls through the menu options and phonebook memory.
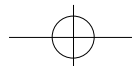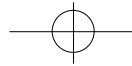
Display

Display Layout

The display comprises three areas.

Icons

Text and
graphic area

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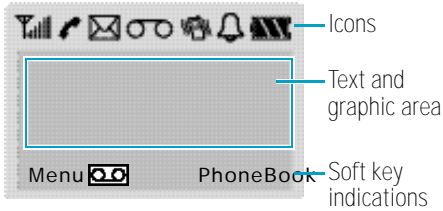
Area	Description
First line	Displays various icons (see opposite).
Middle lines	Display messages, instructions and any information that you enter (number to be dialled, for example).
Last line	Shows the functions currently assigned to the two soft keys, and displays AnswerPhone icon.

Icons

Icon	Description
	Shows the received signal strength. The greater the number of bars, the better the signal strength.
	Appears when a call is in progress.
	Appears when a new text message has been received.
	Appears when a new voice mail message has been received.
	Appears when the phone is set to vibration mode.
	Appears when you set an alarm.
	Shows the level of your battery. The more bars you see, the more power you have left.
	Appears when an answering mode is on.

Backlight

The display and keypad are illuminated by a
backlight. When you press any key, the backlight
illuminates. It turns off if no key is pressed within a
given period of time, depending on the **Backlight**
option set in the **Phone Settings** menu. The
backlight remains on at all times when the phone is
connected to a car kit (optional).

To specify the length of time for which the backlight
is active, set the **Backlight** menu option (**6-5**); see
page 101 for further details.
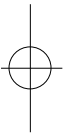
Service Light

The service light is in the top left-hand corner of the
phone. It flashes when services are available on the
phone.

To activate or deactivate use of the service light, set
the **Service Light** menu option (**6-6**); see page 102
for further details.
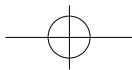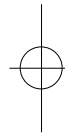
Getting Started

Your First Call

The following diagram explains the main steps required
when making your first call and indicates the pages on
which you can find more detailed instructions.

Insert the SIM card
(phone switched off
and battery removed) — Page 16

↓

Charge the phone
battery — Page 19

↓

Switch the phone on — Page 21

↓

Enter your PIN — Page 21

↓

Dial the phone
number required — Page 26

↓

When you have
finished, end the call — Page 27
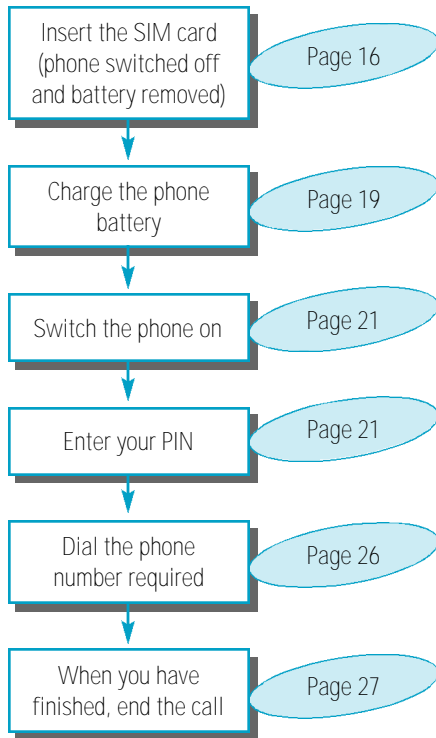
Installing the SIM Card

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

Important! The plug-in SIM card and its contacts can be easily damaged by scratches or bending, so be careful when handling, inserting or removing the card.

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

1. If necessary, switch off the phone by holding down the ☎ key until the **Good bye** message is displayed.

2. Remove the battery. To do so, push and hold down the catch above the battery on the back of the phone, and slide the battery down the phone. Then lift the battery away.

16
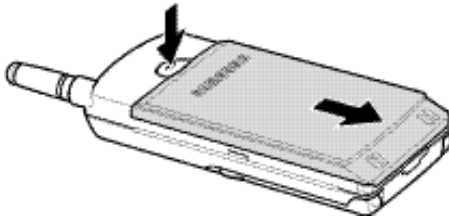
3. Slide the SIM card lock back and hold it in position.
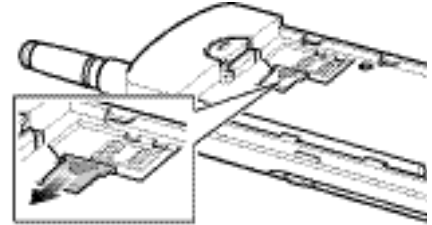
4. Insert the SIM card ensuring that the cut corner is top left and the gold contacts of the card face into the phone.

17
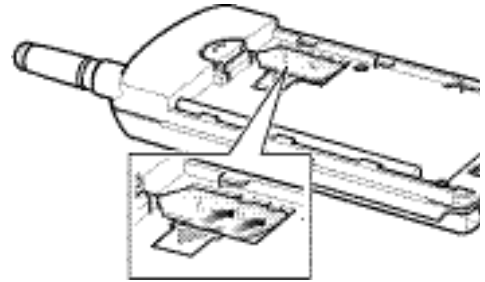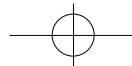
5. Hold the SIM card in position and push the holder back to lock the SIM card into place.
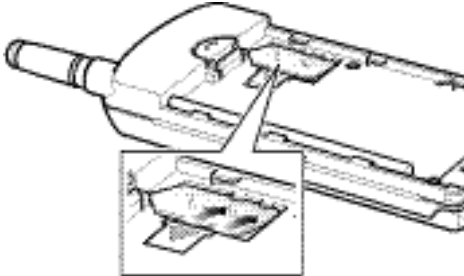
6. Place the battery back on the phone. Slide the battery up until it locks into place.
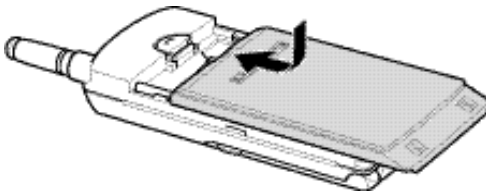
Charging a Battery

Use only Samsung-approved chargers and adapters with your phone. Use of any unauthorized accessories may be dangerous and will invalidate the phone warranty if the accessories cause damage or a defect to the phone.

To charge the battery using the DTC:

1. Plug the power cord of the charger into a wall outlet.

2. Select one of the following three charging configurations:

-Insert the entire phone with battery attached into the front compartment of the charger.

- Insert a single battery(alone, not attached to the phone) into the rear compartment of the charger.

-Insert a single battery into the rear compartment and a phone(with battery attached)into the front compartment.
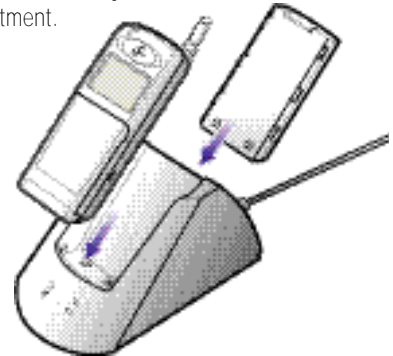
Low Battery Indicator

When the battery is weak and only a few minutes of talk time remain, you will hear a warning tone and a message will be repeated at regular intervals on the display:

```
Yⁱⁱl                    ▭
        **Warning**
        Battery Low
```

When the battery becomes too weak for the phone to operate, it switches off automatically.
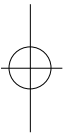
Switching the Phone On/Off

1. Open the flip cover.

2. Hold down the 📞 key for more than one second to switch the phone on.

3. If the phone asks for a password, key in the password and press the **OK** soft key. The password is factory set to 0000. For further details, see page 22.

4. If the phone asks for a PIN, key in the PIN and press the **OK** soft key. For further details, see page 23.
   The idle screen, illustrated below, is displayed.

```
Yⁱⁱl                    ▮▮▮
<SERVICE PROVIDER>
     Sat 14 Mar 12:57
  Menu    PhoneBook
```
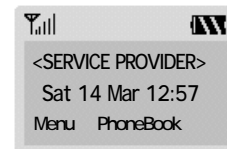
Note: The display language is determined by the SIM card inserted. To change the language, use the **Language** menu option (**6-3**); for further details, refer to page 100.

5. When you wish to switch the phone off, hold down the 📞 button for more than two seconds.
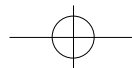
Access Codes

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, key in the appropriate code (displayed as asterisks) and press the **OK** soft key. If you make a mistake, press **C** one or more times until the incorrect digit is cleared and then continue entering the correct code.

The access codes (except for the PUK and PUK2 codes) can be changed using Security menu options. See page 115 for further details.

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

Phone Password

The Phone Lock feature uses the phone password to protect your phone against unauthorised use. The phone password is supplied with the phone and is factory set to 0000.

To...	Refer to page...
Activate/deactivate the Phone Lock feature	116(menu option **8-3**)
Change the phone password	117(menu option **8-4**)

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...	Refer to page...
Activate/deactivate the PIN Check feature	115(menu option **8-1**)
Change the PIN	116(menu option **8-2**)

PUK

The 8-digit PUK (**P**ersonal **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, proceed as follows.

1. Key in 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 is displayed, key in 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, refer to page 118(menu option **8-7**)

PUK2

The 8-digit PUK2 (**P**ersonal **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, proceed as follows.

1. Key in 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 is displayed, key in the same code again and press the **OK** soft key.

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

Barring Password

The 4-digit barring password is required when you use the Call Barring function. You obtain the password from your service provider when you subscribe to this function. See page 121 for further details.

Using the Earphone

With the earphone, you can talk without using your hands. When you connect the earphone to the earphone jack on the left side of the phone, the earphone operates in the same way as the phone's speaker and microphone.

The button on the earphone allows you to answer or end a call without opening the flip cover or pressing a button on the phone. If you receive a second call, press the button to end the first call and answer the second call.

Accroding to the **Active Flip** option(6-0), the button of earphone works differently.
When the option is set OFF, it can redial the last call you made. And you can initiate Voice Dial or Voice Command by pressing the button when the option is set Voice Dial or Voice Command.

General Functions

Making a Call

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

Note: If you have set the **Auto Redial** option (**6-7**) to **ON** (see page 102) and the person called does not answer or is already on the phone, the number is redialled automatically up to ten times.

International Calls

1. Press and hold down the **0** key.
   The + character appears.

2. Key in the country code, area code and phone number and press ☎.

Correcting the Number

To clear...	Then...
The last digit displayed	Press the **C** key.
Any other digit in the number	Press the ← soft key until the cursor (I) is immediately to the right of the digit to be cleared. Press the **C** key.
The whole display	Hold down the **C** key for more than one second.

Ending a Call

When you have finished your call, briefly press the ☎ key.

Making a Call from the Phonebook

You can store the names and phone numbers called regularly in the SIM card and phone memory, called the phonebook. You then simply select the required name to recall the associated number. For further details on the Phonebook feature, refer to page 36.

Quick Dialing with the SIM location number

Memory location 1 through 9 : Press and hold the associated digit key for the SIM location.

Other location : Enter the location number in the SIM card, then press # key, then the phone number will be displayed, then press the left soft key.

Voice Dialling

If you have set the **Active Flip** option (**6-0**) to **Voice Dial**(see page 103), your phone also allows you to say a name when you open the flip cover. It then automatically dials the number stored with the name. For further details on the Voice Dialling feature, refer to page 88.

Last Number Redial

The phone stores the last 10 numbers dialled. To recall any of these numbers, proceed as follows.

1. If there are any characters on the display, clear the display by holding down the **C** key for more than one second.

2. Hold down 📞 to display the last number dialled.
3. Use the ⌐ soft key (or ▼ or ▲ on the left side of the phone) to scroll through the numbers until the required number is displayed.

4. Press 📞 to dial the number displayed.

Adjusting the Volume

During a call, if you want to adjust the earpiece volume, use the volume keys on the left side of the phone. Press ▲ to increase and ▼ to decrease the volume.
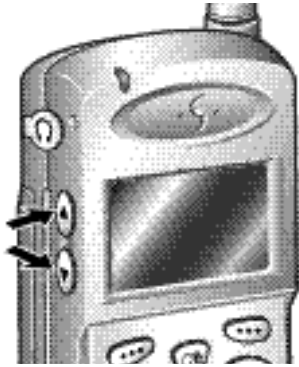
In idle mode with the flip cover open, you can adjust the key tone volume using the same keys.

Answering a Call

When somebody calls you, the phone rings and the phone icon in the middle of the screen flashes.

nnnnn ——— Caller's name
((📺))   or number
Accept   Reject

If the caller can be identified, the caller's phone number (or name if stored in your phonebook) is displayed. If the caller cannot be identified, only the phone icon flashes.

1. If necessary, open the flip cover.

   Press 📞 or the **Accept** soft key. If the **Any-key Answer** menu option (**6-4**) is set to **ON**, you can press any key to answer a call except for 📵 and the **Reject** soft key (see page 101).

   Note: To reject an incoming call, press the **Reject** soft key or 📵. If the **Any-key Answer** menu option (**6-4**) is set to **OFF**, you can reject the call by pressing ▼ or ▲ on the left side of the phone.

2. End the call by closing the flip cover or pressing 📵.

   Note: You can answer a call while using the phonebook or menu features.
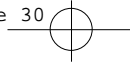
Viewing Missed Calls

If you are unable to answer a call for any reason, you can find out who was calling you, if this service is available. In this way, you can call the person back, if necessary.

The number of missed calls is displayed on the idle screen immediately after the call was missed.

To view the missed call immediately, proceed as follows.

1. | **If the flip cover is...** | **Then...** |
| --- | --- |
| Closed | Open the flip cover. |
| Open | Press the **View** soft key. |

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

2. | **To...** | **Then press the...** |
| --- | --- |
| Scroll through the missed calls | ⌐ soft key. |
| Call the number displayed | 📞 key. |
| Edit or delete a missed call number | **Options** soft key (see the following paragraphs). |

Editing a Missed Call Number

1. Press the **Options** soft key.

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

3. Change the number as required. Press the ⌐ soft key to move back through the number.

4. | **To...** | **Then press the...** |
| --- | --- |
| Call the number | 📞 key. |
| Store the number | **Save** soft key and enter the name and location required (for further details, refer to page 36). |

Deleting a Missed Call

1. Press the **Options** soft key.

2. Press the ⌐ soft key to highlight the **Delete** option.

3. Press the **Select** soft key.

You can press 📞 at any time to exit the Missed Call feature.

Note: You can access the Missed Call feature at any time by selecting the **Missed Calls** menu option (**2-1**); for further details, see page 79.
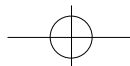
Selecting Functions and Options

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

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

Example:
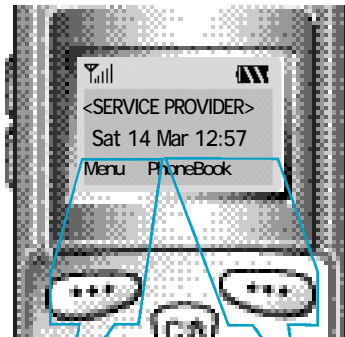
Press the left soft key to access Menu.

Press the right soft key to access the Phonebook features.

To view the various functions/options available and select the one required, proceed as follows.

1. Press the appropriate soft key.

2. **To...**   **Then press the...**

   Select the: Left soft key.
   • Function displayed
   or
   • Option highlighted

   View the next function   Right soft key or the
   or highlight the next   ▼ key on the left
   option in a list   side of the phone.

   Move back to the   ▲ key on the left
   previous function   side of the phone.
   or option in a list

   Move back up one   **C** key.
   level in the structure

   Exit the structure   ☎ key.
   without changing
   the settings

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

Example: Setting the Text Language

1. When the idle screen is displayed, press the
   Menu soft key to enter the menu facility.

```
 Y.,ll                    (X
 <SERVICE PROVIDER>
   Fri 15 May 10:30
 Menu    PhoneBook
```

2. Scroll through the menus until you reach the
   Phone Settings menu, by pressing the ⌐ soft
   key (or the ▼ or ▲ keys on the left side of the
   phone).

```
 Y.,ll                    (X
 Phone Settings
        ⚒
 Select  6             ⌐
```
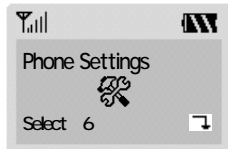
3. To select the **Phone Settings** menu, press the
   Select soft key or 📞.

```
 Y.,ll                    (X
 Greeting Message

 Select  6.1           ⌐
```

4. To reach the Text Language sub-menu, scroll
   through the sub-menus until you reach the
   Language sub-menu(6.3), by pressing the ⌐ soft
   key (or the ▼ or ▲ keys on the left side of the
   phone) and press the **Select** soft key or 📞.

```
                  Y.,ll              (X
                  Text Language
 Current ——————— English
 language          Select  6.3.1        ⌐
```
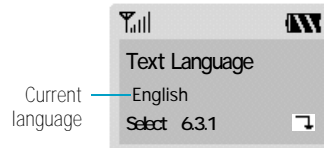
5. To view the languages available, press the
   Select soft key or 📞. The current setting is
   highlighted within square brackets.

```
                  Y.,ll              (X
 Current ——————— [English        ]
 language          Chinese S
                  Chinese T
                  Select              ⌐
```

6. Scroll through the list of languages until the
   appropriate one is highlighted, by pressing the ⌐
   soft key (or the ▼ or ▲ keys on the left side of
   the phone).

7. Press the **Select** soft key to confirm your
   selection.

8. Press the **C** key three times to exit the menu
   structure.
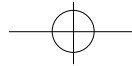
Phonebook

You can store phone numbers and their corresponding names in the memory of your SIM card. In addition, you can store up to 100 numbers and names in the phone memory. The SIM card and phone memories, although physically separate, are used as if they were a single entity, called the phonebook.

Storing a Phone Number with a Name

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

1. Key in the number to be stored.

2. When you are sure that it is correct, press the **Save** soft key.
   Notes:
   • If you make a mistake while entering a number, correct it using the **C** key. For further details, refer to page 26.
   • To insert a dialling pause for special phone services, such as banking by phone, hold down the ∗ key. 'P' is displayed to indicate the pause.

3. Enter the corresponding name (the maximum length depends on your SIM card). For information on how to enter a name, see opposite.

4. When you are satisfied, press the **OK** soft key. The phone now displays the first free location in the SIM card for you to save the number and name. If the card memory is full, the first free location in the phone memory is displayed.

5. Press the right soft key to toggle between the phone (**To Phone**) and card (**To Card**) memories.

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

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

Searching for and Dialling a Number in the Phonebook

1. When the idle screen is displayed, press the **PhoneBook** soft key.
   You are asked to enter a name.

2. Enter the start of the name that you want to find and press the **Find** soft key.
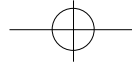
   Note: You can also scroll through the phonebook from the beginning, by pressing the **Find** soft key directly.

   The phonebook entries are listed, starting with the first entry matching your input in the brackets.

   Whenever you press the key labelled with the required letter, the phonebook entries are listed, starting with the letter you entered.
   (If you want to enter 'b', press the **2** key twice.)

3.
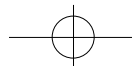
To...	Then press the...
View the highlighted entry	**View** soft key.
Select a different entry	⌐ soft key (or the ▼ or ▲ keys on the left side of the phone) one or more times until the required entry is highlighted.
Look for a name starting with a different letter	Key labelled with the required letter.

4. Once you have found the required entry, press 📞 to dial the number.

Phonebook Options

When storing or viewing a number in the phonebook, **Options** appears above the left soft key to allow you to access the phonebook options, described in the following paragraphs.

Accessing the Options

To access the various phonebook options, proceed as follows.

1. Press the **Options** soft key.

   The first available option is highlighted.

2.

To...	Then press the...
Select the highlighted option	**Select** soft key.
Highlight a different option	⌐ soft key (or the ▼ or ▲ keys on the left side of the phone) one or more times until the required option is highlighted.

Voice Record

This option allows you to record the name vocally for subsequent voice dialling.

Follow the instructions given by your phone to record the required name.

Note: This option appears only when no name has been recorded.

Play Voice

This option plays back the names that you have recorded.

Note: This option appears only when you have already recorded some names.

Voice Delete

This option allows you to delete a specific voice entry.

Note: This option appears only when you have already recorded some names.

You are asked to confirm the deletion by pressing the **OK** soft key.
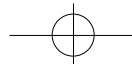
Paste

This option allows you to paste the phonebook number into the normal dialling mode. Use this option to dial a number similar to one in the phonebook (a different extension in the same office for example).

Use the **C** key to change the number as required (refer to page 26 for further details). When you are ready to dial, press 📞 .

Edit

This option allows you to edit a number and name stored in the phonebook.

Erase

This option allows you to erase a number and name stored in the phonebook. You are asked to confirm that you wish to erase the name and number from the phonebook by pressing the **Yes** soft key.

Copy

This option allows you to copy a phonebook number to another location. Use this option to store a number similar to one already in memory; once copied, edit the number and store it in the phonebook.

Alert

This option allows you to set a ringing tone on a number stored by the phone. You can select the required ringing tone from several tones. When this number calls you, the phone rings with this ringing tone.

Entering Text

The phone allows you to enter characters for messages and names in Chinese and English. To enter Chinese text, the phone provides several widely used pronunciation based (Pinyin) and character shape based (Stroke) input methods to meet the preferences of different users, allowing for greater convenience and ease of use.

You can also enter any combination of Chinese characters, alphabets, numbers, and special symbols including punctuation marks.

The following text input modes are available on your phone:

- Pinyin mode 智能拼音
- Chinese Simplified Stroke mode 简体中文笔画
- Quick Enlgish mode 智能英文
- Enlgish mode 基本英文
- Chinese Traditional Stroke mode 繁体中文篁画
- Number mode 数字
- Symbolic mode 特殊符号
- Help mode 帮助

Directions for using each of the text input modes appears later in this section.

Changing Text Input Mode

When you are in a field that allows character entry, you should notice the text input mode indicator in the bottom of the display.
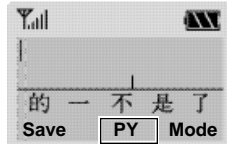
Text mode indicator

You can change between Chinese input methods, and English or to numbers input. To change to another text input mode:

1. Press the **Mode** soft key.
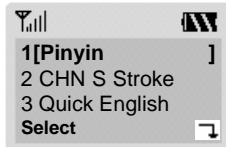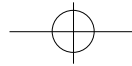
2. Scroll to the desired mode with the left ⌐ soft key.

3. To select the displayed mode, press the **Select** soft key.

4. You will find the selected text input mode indicator in the bottom of the display.
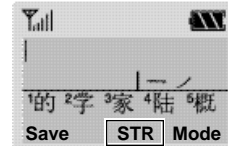
Currently selected mode

Note: If you want to exit the menu without changing to a new mode, press ⊙.

Pinyin(智能拼音) Mode

Pinyin is a system to mark Chinese pronunciation in Latin alphabets. With the pinyin input method, you can enter Chinese characters by keying in the pinyin string from the phone keypad a automatically presents the mat

This mode allows you to enter Pinyin characters with only one key press per letter. When the phone is in the Pinyin mode, keys behave as follows:

Text Area
Displays the selected characters.

Up/Down Scroll Keys
Scrolls through choices in the Character Selection Map. Also scrolls through text modes available when you access **Mode** change menu.

Left Soft/*Scroll Key
Perform the function indicated by the text above this key.
*Moves cursor left through your text message.

Change to Scroll Key
Chnage the function of soft keys to scroll.

Pinyin Keys (2ABC ~ 9WXYZ)
Press keys corresponding to the phonetic spelling, referring to the Roman characters printed on the keys. The Pinyin spelling generates Chinesecharacters in the Character Selection Map.

Keystroke Area
Displays the keystrokes you have entered to compose the current character selections.

Character Selection Map
Displays possible characters based on keystrokes you have entered.

Mode Indicator
Displays the current text input mode.

Right Soft/*Scroll Key
Perform the function indicated by the text above them (According to this example, this key is **Mode** key).
*Moves cursor right through your text message.

Clear/*Change to Soft Key
Press this key to delete keystrokes from the Keystroke Area and/or characters from the Text Area.
*Change the function of soft keys to Soft Key.

Tone and Space Key
Inserts a space in the Text Area. With characters in the Keystroke Area, press this key to specify tone. A tone menu displays.

Typing Characters in Pinyin Mode

1. Press keys corresponding to the phonetic spelling, referring to the Roman letters printed on the keys. Notice that the choices in the Character Selection Map change.

Example: Typing 力 in Pinyin mode

Press ⑤ and ④ to enter 'ji'
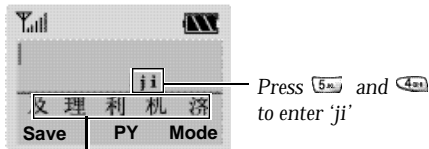
The Character Selection Map.

2. To scroll through choices in the Character Selection map, press ▼. To move back, press ▲.
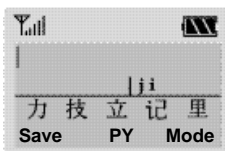
When the character you are typing appears in the Character Selection Map, you may select it, without completing the Pinyin spelling or entering the tone for the character.

3. To select a character, press ① to activate the Character Selection Map. A number (1 to 5) is added to the beginning of a corresponding character. With the Character Selection Map being activated, a normal press on ① to ⑤ selects the corresponding character.
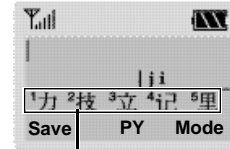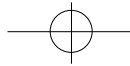
Press ① to select 力 with the Character Selection Map being activated.

Notes:
• To insert a space when entering a text, press ⑪ when the cursor blinks in the Text Area.
• To scroll through the Character Selection Map, press ▼ or ▲ key on the left side of the phone.
• To remove the activate character in the Character Selection Map, press **C**.

46

47
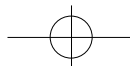
Using Tone Key in Pinyin Mode

Entering the tone of a character you are typing narrows the number of choices in the Character Selection Map. Entering the tone for a character is optional, but it is especially useful if the Pinyin spelling is similar between characters. To enter the tone of a character, proceed as follows:

1. Enter the Pinyin spelling. For example, press [9], [2], [6] to get 'yao'. Then, press [#] to display a Tone menu. The display shows alternative Pinying spelling and the four tone keys.

Alternative spelling

Cancels tone input.

four tones   *light tone*
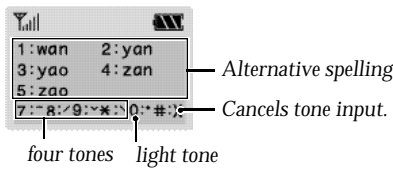
2. Press keys [7] to [*] to associate a tone with the character. Pressing [0] associates the light with the charater. For example, press [7] to associate the first tone. You can also [1] [5] to select an alternative Pinying spelling.

Associated tone(first tone)
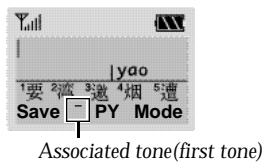
3. Continue viewing and selecting the desired Chinese character from the Charater Selection Map as described on page 46.
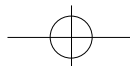
Notes: • You may delete a previously entered tone by pressing the [#] key.
• To exit the Tone menu without making a selection, press [C].

Scrolling

• To view your message without moving the cursor, press the volume keys on the left side of the phone.

• To move the cursor left or right through your text message, press [phone] and then press left/right soft key.

Clearing Strokes and Characters

Press [C] one or more times to remove strokes to the left. Once the Stroke Area is empty, pressing [C] removes characters from the Text Area.

Rapid Character Entry

Rapid character entry is easy in any mode, using the Character Selection Map. As you enter characters, your phone predicts the next character you might want and presents choices in the Character Selection Map area. When a desired character appears, you may select it as described on page 46.

For example, if you type the word "zhong guo (中國)" using the following keystrokes; [9], [4], [6], [6], [1], [1], you do not have to complete the Pinyin spelling to include "guo (■)". With no extra typing, "■" is displayed conveniently in the Character Selection Map for you to choose.

Chnise Stroke(中文笔画) Mode
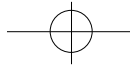
This mode allows you to enter individual Chinese strokes, in written order - from top to bottom, and from left to right. Your phone provides **Chinese Simplified Stroke** mode and **Traditional Stroke** mode.

The two modes work similarly, but the characters that appear in the display may differ.

When the phone is in the Chinese Stroke mode, keys behave as follows:

Text Area
Displays the selected characters.

Up/Down Scroll Keys
Scrolls through choices in the Character Selection Map. Also scrolls through text modes available when you access **Mode** change menu.

Left Soft/*Scroll Key
Perform the function indicated by the text above this key. *Moves the cursor left through your text message.

Change to Scroll Key
Chnage the function of soft keys to scroll.

Stroke Keys
Press keys to generate strokes used to build characters. When pressed in the correct order, appropriate characters are displayed in the Character Selection Map.

Keystroke Area
Displays the keystrokes you have entered to compose the current character selections.

Character Selection Map
Displays possible characters based on keystrokes you have entered.

Mode Indicator
Displays the current text input mode.

Right Soft/*Scroll Key
Perform the function indicated by the text above them (According to this example, this key is **Mode** key). *Moves the cursor right through your text message.

Clear/*Change to Soft Key
Press this key to delete keystrokes from the Keystroke Area and/or characters from the Text Area. *Change the function of soft keys to Soft Key.

Wildcard Key
Press this key to add a stroke to a character when you are not sure what stroke to add next.

Even though there are many different strokes used to create Chinese characters, the strokes are classified into 5 basic categories; heng, shu, pie, dian and zhe. The basic strokes are printed on the keypad, on keys [0] to [7].

To enter a stroke, press the key printed with the stroke that most closely represents the exact stroke you desire. The table shows the stroke/key releationship:

Categories	Keys	Strokes Represented in Each Category
一	[7]	一 ✓
丨	[8]	丨 丨
丿	[9]	丿 一 丨
丶	[0]	‥ \
乛	[0]	コ ✓ 一 亅 コ ㄴ 乁 ˋ 丨亅 乙 亅 丿 ㄴ ㄥ 亅 ㄴ 乚 〈 亅 ㄥ ㄅ

Typing Stokes and Characters in Stroke Mode

1. To type a character, press keys corresponding to its component strokes. Press keys on the handset in the order that you would write the strokes, using one press per desired stroke.
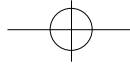
   Example: Typing (力) in Stroke mode

   Key Stroke Area.
   Press [0] to enter →,
   then [9] to enter ⌐.
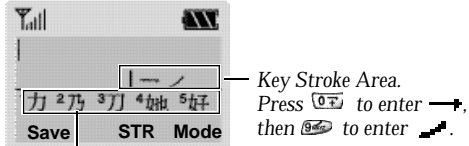
   The Character Selection Map.
   To select 力, press [1] .

2. The phone displays your strokes in the Key Stroke Area and offers character choices in the Character Selection Map. As you enter strokes, notice that the choices in the Character Selection Map change. To scroll through choices in the Character Selection Map, press ▼ .(To move back, press ▲ .)
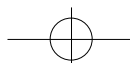
3. When the character you are typing appears in the Character Selection Map, you may select it without finishing the stroke sequence for the character. Characters displayed in the Character Selection Map correspond to keys ⬚ to ⬚ on the keypad. To select a character from the Character Selection Map and add it to your message, press the corresponding key ⬚ to ⬚ .

Note: If you are uncertain of the order of one or more strokes, press ⬚ in place of each questionable stroke. Continue entering strokes until the character is displayed in the Character Selection Map or until you have finished the character.
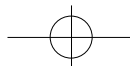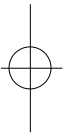
## Clearing Strokes and Characters

Press ⬚ one or more times to remove strokes to the left. Once the Stroke Area is empty, pressing ⬚ removes characters from the Text Area.

Rapid Character Entry

Rapid character entry is easy in any mode, using the Character Selection Map. As you enter characters, your phone predicts the next character you might want and presents choices in the Character Selection Map area. When a desired character appears, you may select it as described above.

In most cases, you will see the desired character in the Character Selection Map area before you have entered all of the strokes to build it.

For example, try typing the twelve stroke character pair "中国" using the following keystrokes: ⬚ , ⬚ , ⬚ . Even though "中国" is a twelve stroke character pair, your phone enables you to type it in only three key presses!
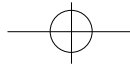
Quick English(智能英文) Mode

This mode allows you to enter English words with only one keypress per letter. Each key on a keypad has more than one letter - a single press on the 5 key could be J, K, or L. The **Quick English** mode automatically compares your key presses to an internal **Quick English** linguistic database to determine the correct word.

The mode requires far fewer keystrokes than the traditional multi-tap method; **English** mode.

When the phone is in the **Quick English** mode, keys behave as follows:

Case Shift Indicator
Displays the current shift mode:
↑ indicates Initial Capital,
↑ indicates Capital Lock.
No indication means Lower Case.

Up/Down Scroll Keys
Scrolls through choices in the Character Selection Map. Also scrolls through text modes available when you access **Mode** change menu.

Left Soft/*Scroll Key
Perform the function indicated by the text above this key.
*Moves the cursor left through your text message.

Change to Scroll Key
Chnage the function of soft keys to scroll.

"Smart" Period Key
Press this key to enter a period (.) quickly.

Text Area
Displays the selected characters you entered.

Mode Indicator
Displays the current text entry mode.

Clear/*Change to Soft Key
Press this key to delete keystrokes from the Keystroke Area and/or characters from the Text Area.
*Change the function of soft keys to Soft Key.

Right Soft/*Scroll Key
Perform the function indicated by the text above them (According to this example, this key is **Mode** key).
*Moves the cursor right through your text message.

Letter Keys

Space Key
Inserts a space into your message.

Alternate Word Key
Displays alternate word choices for the keys you have typed.

Case Shift Key
Press this key repeatedly to switch between Initial Caps, Caps Lock, and Lower Case letters.
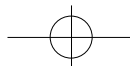
Typing English Words

To type a word, press keys corresponding to the letters you need. Remember the following as you are typing:

1. Press keys on the handset just once per desired letter. For example, to enter 'hello', press 4ᵍʰⁱ , 3ᵈᵉᶠ , 5ⱼₖₗ , 5ⱼₖₗ , 6ᵐⁿᵒ .

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

3. Type to the end of the word before editing or deleting any keystrokes.

4. Complete each word with a space by pressing #? .

If the word that appears in the display is not the word that you desire, press 0+ one or more times to display alternate word choices for the keys you have typed. (For example, 'of' and 'me' both shares the sequence 6ᵐⁿᵒ , 3ᵈᵉᶠ .
The phone displays the most commonly used choice first.)

To type words not found in the phone database, change the text input mode to English mode. Words typed in English mode are automatically added to the phone database so you can type them using Quick English mode the next time.
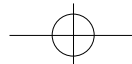
Upper Case Letters

There are three shift states: Lower Case (no shift indicator), Initial Cap (⬆ indicator appears), and Caps Lock (⬆ indicator appears). Press ✳ one or more times to display the appropriate shift indicator, and begin typing normally.

Y.ıll   📶
Meet me at|

Save ⬆🔽ENG Mode
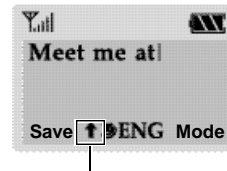
Shift indicator

Scrolling

• To view your message without moving the cursor, press the volume keys on the left side of the phone.
• To move the cursor left or right through your text message, press ✎ and then press left/right soft key.

• To scroll through alternate word choices for the keys you have entered, press 0+ .

Clearing Letters and Words

Press C◊ one or more times to remove letters to the left. Press and hold C◊ to erase entire words.
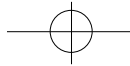
English(基本英文) Mode

When typing in English mode, you should press key labelled with the required letter:
-Once for the first letter
-Twice for the second letter
-And so on.

For example, you press [2ABC] three times quickly to display the letter "C" , [5JKL] two times quickly to display the letter "L". So, this method is called Multi-tap typing.

Refer to the table below for the list of characters assigned on each key.

List of characters available:

Key	Characters in the Order Displayed
[1]	1 . , - ` @ : ?
[2ABC]	A B C 2
[3DEF]	D E F 3
[4GHI]	G H I 4
[5JKL]	J K L 5
[6MNO]	M N O 6
[7PQRS]	P Q R S 7
[8TUV]	T U V 8
[9WXYZ]	W X Y Z 9
[0]	0

(Caps Lock mode)

To shift the case of the next letter(s) that you type, press [✱] one or more times. There are three shift states:
Lower Case has no indicator, Initial Capital is indicated by ⬆ in the display, and Capitals Lock is indicated by ⬆.

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

If you enter a specific word in this mode the first time, the word is automatically added to your phone's database, and offers the new word as on aption for its keystroke sequence when you are in Quick English mode.
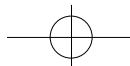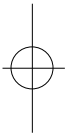
Number Mode

Number mode enables you to enter numbers into a
text message. Press keys corresponding to the
desired digits, and manually switch back to the text
entry mode of choice.

Symbolic Mode

Symbolic mode enables you to enter symbols into a
text message.

```
Y.ull                    IXX
    123 456 789
    . ( ), : ;%!
Save         SYM  Mode
```
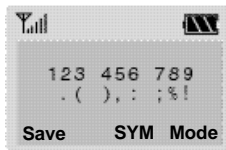
To scroll through the symbols available, press
▲ or ▼ key on the left side of the phone. Press keys
corresponding to the desired mark, then the phone
automatically switches back to the text entry mode
used just prior to selecting Symbols mode.

Help Mode

Help is available Use the volume keys on your phone
to scroll through the Help information.

In-Call Options

Your phone provides a number of control functions
that you can use during a call. To access these
functions during a call, press the **Options** soft key.

Switching the Microphone Off (Mute)

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

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

To switch the microphone off temporarily, proceed as
follows.

1. Press the **Options** soft key.

2. Press the ⌐ soft key to highlight the **Mute** option.

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

Your correspondent can no longer hear you.

To switch the microphone back on, proceed as follows.

1. Press the **Options** soft key.

2. Press the ⌐ soft key to highlight the **Unmute**
   option.

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

Your correspondent can hear you again.

63
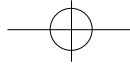
Searching for a Number in the Phonebook

You can search for a number in the phonebook during a call.

1. Press the **Options** soft key.

2. Press the ⌐ soft key to highlight the **Phonebook** option.

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

4. Enter the start of the name that you want to find and press the **Find** soft key.

Note: You can also scroll through the phonebook from the beginning, by pressing the **Find** soft key directly.

The phonebook entries are listed, starting with the first entry matching your input. This entry is also highlighted.

5. To review the highlighted entry, press the **View** soft key.

For a more detailed description of the Phonebook feature, refer to page 36.

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 this service is supported by the network. Of these two calls, one is active and the other is on hold and you can swap between the calls.

To place a call on hold, press the **Option** soft key, and select the **Hold** option. You can reactivate the call whenever you want, by pressing the **Retrieve** soft key.

To make a call while you have a call in progress, proceed as follows.

1. Key in the phone number that you wish to dial or look it up in the phonebook.

2. Press 📞 to dial the second call. The first call is automatically put on hold.

Or alternatively, proceed as follows.

1. Put the current call on hold by pressing the **Options** soft key, followed by the **Hold** option.

2. Make the second call in the normal way.
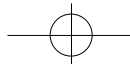
To swap between the two calls, simply press the **Swap** soft key.

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

When you have finished, end each call normally by pressing the 📞➡ key.

Answering a Second Call

You can answer an incoming call while you have a call in progress, if this service is supported by the network and if you have set the **Call Waiting** menu option (**9-3**) to **Active** (see page 123). You will be notified of an incoming call by a call waiting tone.

To answer a call while you have a call in progress, proceed as follows.

1. Press 📞 to answer the incoming call. The first call is automatically put on hold.

2. If you want to switch between the two calls, press the **Swap** soft key.

   If you want to end a held call, press the **Options** soft key and select the **End held** option.

3. To end the current call, press 📞➡.
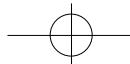
Making a Multiparty Call

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

Setting up the Multiparty Call

1. Call the first participant in the normal way.

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

3. To join the first participant to the multiparty call, press the **Options** soft key and select the **Join** option.

4. To add a new person to the multiparty call, call the person in the normal way, then press the **Options** soft key and select the **Join** option.

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

Having a Private Conversation With One Participant

1. Press the **Options** soft key and choose the **Select one** option. The list of call participants appears.

2. Highlight the required person, by pressing the ⌐ソ soft key (or the ▼ and ▲ keys on the side of the phone), followed by ✆.

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

4. To return to the multiparty call, press the **Options** soft key and select **Join**.
   All the multiparty call participants can now hear each other.

Dropping One Participant

1. Press the **Options** soft key and choose the **Select one** option.
   The list of call participants appears.

2. Highlight the required person, by pressing the ⌐ソ soft key (or the ▼ and ▲ keys on the left side of the phone), followed by ✆.

3. Select **Remove**.
   The call is ended with that participant, but you can continue to talk with the other participants.

4. End the multiparty call by closing the flip cover or pressing ✆,✆.

Muting/Sending Key Tones

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

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

Using the SMS Service

If you receive an SMS (Short Message Service) message during a call, the message icon (✉) flashes in the display.

After you have finished your call, you can read to the message: refer to page 82 for further details.

70
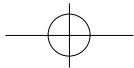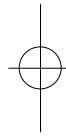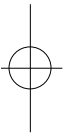
Using the Menus

A three-level menu structure is available to set the various options available on your phone. You can select the menu options in two different ways.

Using the Soft Keys

The two soft keys are used as follows.

Key	Purpose
Left soft key	Enters the menu structure. Selects the option displayed.
Right soft key	Moves to the next option on the same level as the one displayed.

You can also use the ▼ and ▲ keys on the left side of the phone to move to the next or previous option on the same level as the one displayed.

Example: Connecting to your Voice Mail.

1. Press the **Menu** soft key.

2. Select the **Voice Mail** option by pressing the **Select** soft key.

3. Confirm that you wish to connect to your Voice Mail by pressing the **OK** soft key.

You are automatically connected to your Voice Mail.

For a more detailed description of the Voice Mail feature, refer to page 77.
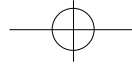
Using the Index System

Each menu option is assigned a hierarchical number. You can use this number to access the corresponding option directly. Simply press the **Menu** soft key and key in the required number.

<u>Example</u>: Connecting to your Voice Mail.

1. Press the **Menu** soft key.

2. Enter **1 1**.

You are automatically connected to your Voice Mail.

The numbers assigned to each option are indicated on the following menu map.
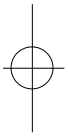
Menu Map

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

* You can see **menu 0**, if your SIM card supports **SIM Application Toolkit**. This is a network feature. Please contact your sevice provider for more information.

1. Voice Mail   Page 77
➤ 1-1 Connect to Voice Mail
➤ 1-2 Voice Server Number

2. Call Records   Page 79
➤ 2-1 Missed Calls
➤ 2-2 Received Calls
➤ 2-3 Dialled Calls
➤ 2-4 Call Time
　　　➤ 2-4-1 Last Call Time
　　　➤ 2-4-2 Total Sent
　　　➤ 2-4-3 Total Received
　　　➤ 2-4-4 Reset Timers
➤ 2-5 Call Cost
　　　➤ 2-5-1 Last Call Cost
　　　➤ 2-5-2 Total Cost
　　　➤ 2-5-3 Max Cost
　　　➤ 2-5-4 Remain Cost
　　　➤ 2-5-5 Reset Counters
　　　➤ 2-5-6 Set Max Cost
　　　➤ 2-5-7 Price/Unit
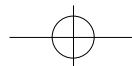
3. Text Messages
Page 82

- →3-1 Read Messages
- →3-2 Write Messages
- →3-3 Preset Message List
- →3-4 Setup
  - →3-4-1 Service Center
  - →3-4-2 Default Type
  - →3-4-3 Default Validity
- →3-5 Broadcast
  - →3-5-1 Read
  - →3-5-2 Receive
  - →3-5-3 Channel List
  - →3-5-4 Language

4. Voice Functions
Page 88

- →4-1 Voice Dial
- →4-2 Voice Command
- →4-3 Voice Memo
- →4-4 AnswerPhone

5. Sound Settings
Page 94

- →5-1 Ring Tone
- →5-2 Melody Composer
- →5-3 Ring Volume
- →5-4 Alert Type
- →5-5 Keypad Tone
- →5-6 Message Tone
- →5-7 Error Tone
- →5-8 Minute Minder
- →5-9 Connect Tone

6. Phone Settings
Page 99

- →6-1 Greeting Message
- →6-2 Own Number
- →6-3 Language
  - →6-3-1 Text Language
  - →6-3-2 Voice Language
  - →6-3-3 Input Mode
- →6-4 Any-key Answer
- →6-5 Backlight
- →6-6 Service Light
- →6-7 Auto Redial
- →6-8 Auto Answer
- →6-9 Caller ID
- →6-0 Active Flip
- →6-∗ Reset Settings

7. Organizer
Page 104

- →7-1 Scheduler
- →7-2 Calculator
- →7-3 Alarm
- →7-4 Calendar
- →7-5 To do List
- →7-6 Games
- →7-7 World Time
- →7-8 Set Time
- →7-9 Set Date

8. Security
Page 115

- →8-1 PIN Check
- →8-2 Change PIN
- →8-3 Phone Lock
- →8-4 Change Password
- →8-5 SIM Lock
- →8-6 FDN Mode
- →8-7 Change PIN2
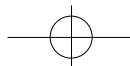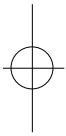
9. Network Services

Page 119

- 9-1 Call Diverting
  - 9-1-1 Divert Always
  - 9-1-2 Busy
  - 9-1-3 No Reply
  - 9-1-4 Unreachable
  - 9-1-5 Cancel All
- 9-2 Call Barring
  - 9-2-1 All Outgoing
  - 9-2-2 International
  - 9-2-3 International except to home
  - 9-2-4 All Incoming
  - 9-2-5 Incoming while abroad
  - 9-2-6 Cancel All
  - 9-2-7 Change Barring Password
- 9-3 Call Waiting
  - 9-3-1 Voice Calls
  - 9-3-2 Fax Calls
  - 9-3-3 Data Calls
  - 9-3-4 Cancel All
- 9-4 Network Selection
  - 9-4-1 Network Select
  - 9-4-2 Preferred List
- 9-5 Line Identification
- 9-6 Closed User Group
  - Activate CUG
    (or)
  - 9-6-1 Deactivate
  - 9-6-2 Index List
  - 9-6-3 Outside Access
  - 9-6-4 Default Group

Vocie Mail

This menu provides you with a quick way of accessing your voice mailbox (if provided by your network).

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

Connect to Voice Mail   *Menu 1-1*

Before using this feature, you must enter the voice server number obtained from your service provider (see menu **1-2**). You can then select this option and simply press the **OK** soft key to listen to your messages.

Voice Server Number   *Menu 1-2*

You can change the voice mail server number.

To...	Then press the...
Enter the server number	Corresponding number keys.
Recall a number in the phonebook	**PhoneBook** soft key.
Correct a digit	**C** key.

77

Voice Mail

To...	Then press the...
Move the cursor to the left without clearing the digit	← soft key.

Note: See page 36 for instructions on how to use the phonebook.

Service Directory   *Menu 1-3*

If your SIM contains Service Dialling Numbers (SDN), this menu enables you to view the Service Directory and make calls from it.
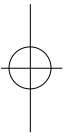
Call Records

Via this menu, you can view the phone calls:
• Missed
• Received
• Made

The number and name (if available) are given, together with the date and time at which the call was made. You can also view call times and costs.

Note: The number of items in these lists depends on the capacity of your SIM card.

Missed Calls   *Menu 2-1*

This option lets you view the last 10 unanswered calls. You can also:
• Edit the number if available and dial it or save it in the phonebook
• Delete the number from the list
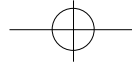
Received Calls   *Menu 2-2*

This option lets you view the last 10 phone calls received. You can also:
• Edit the number if available and dial it or save it in the phonebook
• Delete the number from the list
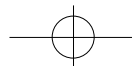
Dialled Calls   *Menu 2-3*

This option lets you view the last 10 numbers dialled.
You can also:
• Edit the number and save it in the phonebook
• Redial the number
• Delete the number from the list

Call Time   *Menu 2-4*

This option lets you view the timers for calls made
and received. The following timers are available.

Last Call Time: length of the last call.

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

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

You can use the **Reset Timers** option to reset the
call timers; you must first enter the phone password
(see page 22) and then press the **OK** soft key.

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

Call Cost   *Menu 2-5*

This network feature lets you view the cost of calls.
The following options are available.

Last Call Cost: cost of the last call made.

Total Cost: total cost of all calls made since the cost
counter was last reset. If the total cost exceeds the
maximum cost set via the **Set Max Cost** option, you
can no longer make any calls until you reset the
counter.

Max Cost: maximum cost set via the **Set Max
Cost** option (see below).

Remain Cost: If you installed a prepaid SIM, you
can check the remaining cost. The phone
automatically counts the cost left in the SIM, and
displays the remainder when you access the **Remain
Cost** Option.

Reset Counters: option used to reset the cost
counter; you must first enter your PIN2 (see page 24)
and then press the **OK** soft key.

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

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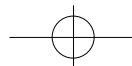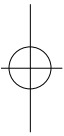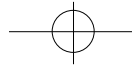
Text Messages

The SMS (Short Message Service) function is a network service and may not be supported by your network. Messages can be sent by fax, E-mail, ERMES or X.400 messaging systems, provided that these services are supported by your network. To send text messages by phone, you must obtain the number of the SMS centre from your service provider.

When the ✉ icon appears, you have received new text messages. If the message memory is full, an error message is displayed and you cannot receive any new messages. Use the **Delete** option in the **Read Messages** menu (**3-1**) to delete obsolete messages.

Read Messages   *Menu 3-1*

When the **Read Messages** option is selected, the header of the first message is displayed:
• Message number
• Message status (New, Old, Not Sent, Sent)

To view this message, press the **View** soft key. The screen shows the:
• Sender's phone number (if sent with the message)
• Date and time at which the message was received
• Message text

To scroll through the messages, press the ⌐ soft key or the ▼ key on the left side of the phone.

You can choose the following options, by pressing the **Options** soft key.

Text Reply: allows you to reply by sending a text message. You can also:
• Change the SMS centre number (if required)
• Send the message
• Save and send the message
• Save but not send the message

Call back: allows you to call the sender back.

Delete: allows you to delete obsolete messages.

Cut Number: allows you to extract a number from the message text, so that you can call the number or save it in the phonebook.

Send: allows you to send a message that you have not already sent.

Send again: allows you to resend a message that you have already sent.

Note: The options available vary, depending on the message status (New/Old, Not Sent, Sent).
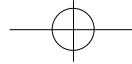
Write Messages   *Menu 3-2*

Via this menu, you can write text messages of up to 160 alphanumeric characters.

Note: For further information on how to enter the characters in your message, refer to page 41.
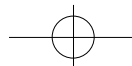
After you complete the message, you can select the following options.

Send Only: allows you to:
• Enter the required destination
• Enter or change the SMS centre number
• Select the message format (Text, Voice, or Fax)
• Set the time period for which the message is stored at the message centre while attempts are made to deliver it

Save and Send: allows you to save a copy of the message and then send the message to the required destination. You can read the message using the **Read Messages** option. 'Sent' is displayed when you read the message to indicate the message state.

Save Only: allows you to save the message so that it can be sent later. When you read the message, 'Not Sent' is displayed.

Preset Message List *Menu 3-3*

Using this menu, you can preset up to five messages that you use most frequently. This menu shows the preset message list. Scroll through the list using the ⌐ soft key. When the required message number appears, press the **Options** soft key.
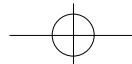
The following options are available.

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

Note: For further information on how to enter the characters in your message, refer to page 41.

Send Message: allows you to recall the selected preset message. Once you have completed the message, you can send, save and send, or simply save it.

Delete: allows you to delete the selected preset message.

Setup *Menu 3-4*

Via this menu, you can set up default information on the SMS feature.

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

Default Type: allows you to set the default message type (Text, Voice, Fax, X.400, Email, and ERMES). The network can convert the message into the selected format.
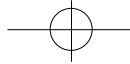
Default Validity: allows you to set the default time period for which your messages are stored in the SMS centre while attempts are made to deliver them.
Possible values are one hour, six hours, 24 hours, one week and the maximum authorised by your service provider.

Broadcast   *Menu 3-5*

This network service allows you to receive text messages on various topics, such as the weather or traffic. Messages are displayed immediately they are received, provided that:
• The phone is in the idle mode
• The **Receive** option is set to **Enable**
• The message channel is currently active in the channel list

If the message is long, press the ▼ key on the left side of the phone one or more times.

The last five messages are also stored for later retrieval. Please contact your service provider for more information.

The following options are available.

Read: lets you view the first message. Scroll through the message using the ⌐ soft key. At the end of the message, press the **Next** soft key to move to the next message.

Receive: allows you to **Enable** or **Disable** the reception of broadcast messages.

Channel List: lists all available channels. The channels currently selected are indicated by an asterisk (∗) beside the name. When you select one of them, you can edit, enable (or disable) or delete the channel.
The **Enter Channel** option allows you to add a new channel to the channel list. Enter the appropriate channel ID obtained from your service provider, and a title for the channel.

Language: allows you to select your preferred language for the cell broadcast message display.
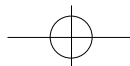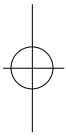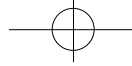
Voice Functions

You can use the Voice feature to customize various settings, such as the:
- Voice Dial
- Voice Command
- Voice Memo
- AnswerPhone

Voice Dial   *Menu 4-1*

You can call up to 20 stored entries by speaking the name into microphone.
You can also initiate a voice dial by simply opening the flip, when the **Active Flip** option(6-0) is set **Voice Dial**.

Voice Dial Record

This option allows you to register numbers for subsequent voice dialling. Record the required name, by following the instructions given by your phone to enter the required telephone number and name.

Voice Dial Act

This option plays back the names that you have recorded.

Note: This option appears only when you have already recorded some names.

Voice Dial Delete One

This option allows you to select a voice dial entry and delete the information recorded. The phone number remains in the phonebook but the voice recording is deleted.

If the name displayed is...	Then press the...
To be deleted	**OK** soft key.
Not to be deleted	⌐ soft key. The next name is displayed.

To exit the **Voice Dial Delete One** option, press the **C** key.

Voice Dial Play All

This option allows you to play back all recorded names.

Voice Dial Delete All

This option allows you to delete all voice dial information stored. The phone numbers remain in the phonebook but the voice recordings are deleted. Press the **OK** soft key when the message-Delete All confirm?- is displayed.
Otherwise, press the **Cancel** soft key to exit the function without deleting the voice dial entries.

Voice Command   *Menu 4-2*

This menu allows you to get a quick access to the frenquently used menus by saying your own voice command.

You can also initiate a voice command by simply opening the flip, when the **Active Flip** option(6-0) is set **Voice Command**.

You can select the following functions:

Voice Command Record: The 19 most frequently used menu functions are provided to be recorded with your voice. The menus are preset to **Off** at factory, indicating that they are not recorded. When voice commands are recorded successfully, the menus are changed to **On** in the display.

Voice Command Act: Activates the voice command. Use this menu to test your recording.

Voice Command Play All: Plays all voice commands you have recorded.

Voicc Command Delete All : Deletes all commands you have recorded.

Voice Memo   *Menu 4-3*

You can use the Voice Memo feature to :
• Record up to 7 voice memos
• Play the recorded voice memos
• Delete one or all voice meomos

Voice Memo Record: This option allows you to record a memo. The screen displays the:
• Memo location
• Date and time when the memo was recorded
• Recording time counter

The maximum recording time is about 35 seconds.

If you want to record for longer, press the **Continue** soft key. **Split** appears instead of **Continue**. You can continue recording and the rest of the memo is stored in the next memo location.

To stop recording, press the **Stop** soft key.

Note: If all memo locations are full, you must delete an old memo before recording a new one.

Voice Memo Replay: This option allows you to play back all memos recorded, starting with the most recent memo. The screen displays the:
• Memo location
• Date and time when the memo was recorded.

To skip to the next memo, press **Skip** soft key, to stop the playback, press **Stop** soft key.

Voice Memo Delete One: This option allows you to delete a specific memo. All memos recorded are played back, starting with the most recent one.

Voice Memo Delete All: This option allows you to delete all memos. Press the **OK** soft key to confirm.

AnswerPhone   *Menu 4-4*

You can set your phone to answer calls with your recorded message. You can quickly turn the AnswerPhone on or off by pressing and holding the key in idle mode.

You can use the message to inform callers of your current situation and to guide them to leaving messages in your voice mail.

Note: When 7 locations for callers are full, the oldest message will be delete automatically before recording a new one.

While the message is being played, if you wish, you can answer the call by pressing the **Accept** soft key.

The following options are available.

Setting: To turn off the AnswerPhone, select **Disable**, to turn on, select **Enable**, then you can see the AnswerPhone icon ( ) in the display.

Message Record: You can record for up to 35 seconds. To stop recording before the time is up, press the **Stop** soft key. To change the message, use **Delete** option, and record new one.

Message Select: The phone offers two default messages, and one message of your own. You can only select User Message when you have recorded your own message.
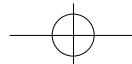
Sound Settings

You can use the Sound Settings feature to customise various settings, such as the:
- Ringing tone, volume and type
- Composing your own melody
- Sounds made when you press a key, make an error or receive a message

Ring Tone   *Menu 5-1*

This option allows you to select the required ringing tone. You can choose between different tones. Each time you select a tone, it is played for a few seconds.

Melody Composer   *Menu 5-2*

This menu allows you to compose your own melody to set as a ring tone.
- Three octaves are available.
- A maximum of 40 notes can be entered.
- Adjustable length of note and note rest.

To Compose Melody

You can compose two melodies. When you access the menu, the melody name appears, if already created. Otherwise, **Empty Melody** appears. Select **Empty Melody** to create a new melody or select the melody name if you want to edit.

Use the following keys to compose a melody:

1: to enter C, the first note in the musical scale (do).
2: to enter D (re).
3: to enter E (mi).
4: to enter F (fa).
5: to enter G (sol).
6: to enter A (la).
7: to enter B (si).
8: to raise an octave higher or drop an octave lower.
9: Not available
0: to enter a note rest. Press 0
   until you find the desired length of rest.
#: to raise one semitone above the tone written.
   Example:If you want to enter a sharped F (fa), press F (fa) then press # button.
C: to delete notes.
Up/Down key:to move a note to
   the next semitone higher position or lower position in the musical scale For example, the note A moves A#,B, C, C# in the scale each time you press the ▲ on the left side of the phone.
*: to adjust a length of note.
   Enter a note, then press * key. Notice that the note length will be changed each time you press the key.

You can listen to your melody by pressing the **Listen** soft key. If you are satisfied, press the **Save** soft key, and enter the melody name. For information on how to enter a name, refer to page 41.

After you save the melody, the display asks you to set the melody as a ring tone. If you select **Yes**, your phone plays the melody each time your phone rings.

If you select **No**, the melody is just saved and the phone returns to the standby mode.

To Delete a Selected Melody

1. Select the melody you want to delete.
2. Press and hold the **C** button for a few seconds. All notes will be erased.
3. Press the **Listen** soft key. The display asks you to erase the melody. Select the **Yes** soft key.

Ring Volume   *Menu 5-3*

This option allows you to adjust the ringing volume to one of five levels. Use the volume keys on the left side of the phone. The greater the number of bars, the greater the volume.

Alert Type   *Menu 5-4*

This option allows you to indicate how you are to be informed of any incoming calls. The following options are available.

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

Melody: the phone rings using the ringing tone selected via menu option **5-1**.

Vibration: the phone vibrates but does not ring.

Vibra+Melody: the phone both rings and vibrates.

Note: In idle mode, press and hold the **C** key to quickly turn the vibration alert on or off.

Keypad Tone   *Menu 5-5*

This option allows you to select the tone that the keypad generates when you press a key. The following options are available.

OFF: the keys do not make any sound.

Tone: each key, when pressed, makes a different sound.

Beep: each key, when pressed, makes the same sound.

Message Tone   *Menu 5-6*

This option allows you to select how the phone informs you that a new message has been received. The following options are available.

Single Tone: the phone beeps once.

Periodic: the phone beeps at regular intervals.

Light Only: the service light on the top of the phone flashes.
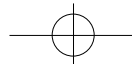
Error Tone

Menu 5-7

This option allows you to select how the phone informs you that you have made a mistake. The following options are available.

OFF: the phone does not beep.

ON: the phone beeps to indicate an invalid entry.

Minute Minder

Menu 5-8

This option allows you to specify whether the phone must beep every minute during an outgoing call to keep you informed of the length of your call. The following options are available.

OFF: the phone does not beep.

ON: the phone beeps every minute.

Connect Tone

Menu 5-9

This option allows you to specify whether the phone should beep when the phone connects to the network. The following options are available.

OFF: the phone does not beep.

ON: the phone beeps when your call is accepted.

Phone Settings

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

Greeting Message   *Menu 6-1*

This option allows you to set a greeting message to be displayed briefly when the phone is switched on. The current message is displayed.

To...	Then 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 from upper case to lower case characters and vice versa	**Case** soft key.

For more information on entering characters, refer to page 41.

Own Number   *Menu 6-2*

This menu displays your phone number and allows you to edit it.
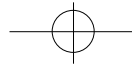
To...	Then press the...
Enter the international prefix (+)	**0** key and hold it down until the + is displayed.
Correct a digit	**C** key.
Clear the whole number	**C** key and hold it down until the number is cleared.
Move the cursor left without clearing the digits	← soft key.
Move the cursor right	▼ key on the left of the phone.

Language   *Menu 6-3*

You can select a different setting for the text language, voice language and text input mode. For more information about text input mode, refer to page 41.

Any-key Answer   *Menu 6-4*

Depending on the setting of the **Any-key Answer** option, you can answer an incoming call by pressing any key except 📞,♦ and the **Reject** soft key.
To reject the call, press 📞,♦ or the **Reject** soft key.
If this option is set to **OFF**, use ▲ or ▼ on the left side of the phone to reject the call.
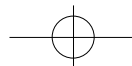
The following options are available.

ON: you can press any key except 📞,♦ and **Reject**.

OFF: you can only press the 📞 or **Accept** keys.

Backlight   *Menu 6-5*

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. The following options are available.

Short: the backlight comes on when you press a key or receive a call and switches off 5 seconds after the last key is pressed.

Long: the backlight comes on when you press a key or receive a call and switches off 10 seconds after the last key is pressed.

OFF: the backlight is not used.

Service Light   *Menu 6-6*

This option allows you to select whether or not the service light on the top of the phone is used. The following options are available.

ON: the service light flashes when the phone is ready for use.

OFF: the service light is not used.
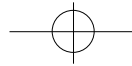
Auto Redial   *Menu 6-7*

With the Auto Redial function, the phone makes up
to ten attempts to redial a phone number after an
unsuccessful call.

Note: The interval between two call attempts varies.

The following options are available.

ON: the number is redialled automatically.

OFF: the number is not redialled.

Auto Answer   *Menu 6-8*

With the Auto Answer function, the phone auto-
matically answers calls after 3, 5 or 10 seconds. You
can also turn this feature off.

Note: This feature is only available when the phone
is connected to a car kit (optional).

Caller ID   *Menu 6-9*

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 is not displayed on the
other person's phone.

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

Active Flip   *Menu 6-0*

The voice dial or voice command mode can be
activated automatically whenever the phone is
opened.

The following options are available.

OFF: the voice dial or voice command mode must be
activated manually

Voice Dial: the voice dial mode is activated when
you open the phone.

Voice Command: the voice command mode is
activated when you open the phone.

Reset Settings   *Menu 6-*∗*

You can easily reset your phone to its default
configuration. To do so, proceed as follows.

1. Select the **Reset Settings** option.

2. Enter the 4-digit phone password.

Note: The password is preset to 0000. To change this
password, refer to page 117.

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Organizer

The Organizer feature enables you to:
- Write your schedule or to do list
- Calculate
- Check the calendar
- Play games
- Set the current date and time
- Set the alarm so that the phone rings at a specific time (to remind you of an appointment for example)
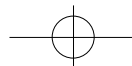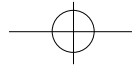- Find out what time it is in various cities around the world

Scheduler   *Menu 7-1*

You can use the phone as your scheduler. When a plan is scheduled on the phone, the phone reminds you of the schedule at the specified date and time.

- Up to 50 schedules can be made.
- Using the up navigation key, you can access the scheduler menu directly from the idle screen.

The following options are available:

Go to date: allows you to enter a particular date and to make a schedule on the date.

View All: shows the schedules you have made.

Delete All: deletes all the schedule you have made.

To create a new schedule, proceed as follows.

1. When a calendar screen appears, select the month by using the volume keys on the left side of the phone, and select the day by using **2,4,6,8** keys. You can also use the **Go to date** menu option to specify the date.

2. When you press the **OK** soft key, you can select a schedule type. Four types are available:
   - Reminder: requires contents and the time.
   - Call: requires phone number and the time.
   - Meeting: requires contents and the time.
   - Birthday: requires name and the time.

   To enter contents or names, refer to page 41.

3. If you want to set an alarm on the scheduled date and time, select **Yes** when the phone asks you to set alarm. If you select **No**, the phone just saves the schedule and returns to the standby mode.

   With the alarm set to **Yes**, it sounds 10 minutes before the scheduled date and time arrives. Press **OK** to stop and return to idle mode.
   With **Postpone** selected, alarm will sound 10 minutes later.

A date when a schedule has already been created appears in bold.
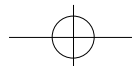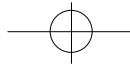
If you select a date when a schedule has already been created you will see the contents. The following options are available:

Add: allows you to add new contents. For details on entering a text, see page 41.

Delete: deletes the schedule.

Move: moves the schedule to a new date of your choice.

Copy: copies the schedule to a new date of your choice.

Delete Day: deletes schedules on the date.

Calculator   *Menu 7-2*

You can use the phone as a 9-digit calculator. The calculator operates basic mathematic functions; addition, subtraction, multiplication, division. Percentage operation is also available.

To use the calculator, proceed as follows.

1. Enter the first input using the number keys.

2. Press the **Operator** soft key until you find the desired mathematical symbol; + (add), - (subtract), x (multiply), / (divide).

3. Enter the second input.

4. Repeat Steps 2 and 3 if necessary.
5. To get the result, press the **Equal** soft key or ☎.

To fix an entry mistake or clear the display, use **C** key.

To use decimal point, press **#** key. It calculates down to the second decimal place.

Examples:

Expression	Key operation	Result
12*3+5=	12x3+5 📟 (or ✆)	41
34+57=	34+57 📟 (or ✆)	91
45+57=	45 📟 (or ✆)	102
48-23=	48-23 📟 (or ✆)	25
14-23=	14 📟 (or ✆)	-9
68*25=	68x25 📟 (or ✆)	1700
68*40=	40 📟 (or ✆)	2720
35/14=	35/14 📟 (or ✆)	2.5
98/14=	98 📟 (or ✆)	7
10% of 200	200x10 🔲	20
10=? % of 100	10/100 🔲	10
10% premium of 200	200+10 🔲	220
10% discount of 200	200-10 🔲	180
square of 4	4x 📟 (or ✆)	16
reciprocal of 8	8/ 📟 (or ✆)	0.12
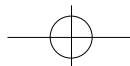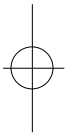
Alarm   *Menu 7-3*

This option allows you to set the alarm to ring at a specific time. The following alarms are available. You can set one or more alarms.

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

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

Weekly Alarm: the alarm rings every week on the same day and at the same time.

To set the alarm, proceed as follows.

1. Select an alarm type by pressing **Select** soft key.

2. **Set Alarm** option allows you to set the alarm time or days of the week.

   If you choose **Weekly Alarm**, select the required day of the week and press the * key. The * symbol appears to indicate that the day is selected.
   To remove it, press the **#** key.
   You can set more than one day.

3. Enter the required time.

4. Press **OK**.

   Alarm Activated is displayed.

You can see the alarm icon (🔔) in the display.
To stop the alarm when it rings, open the phone and press any key.

To deactivate the alarm, select **Remove Alarm**.

Note: If no battery is attached to the phone when the alarm is to ring or the battery is discharged, the alarm does not ring. A daily or weekly alarm, however, remains activated and will ring when next triggered, provided that the phone is powered by a battery.

Calendar   *Menu 7-4*

You can view calendars of 1900 through 2099.
You can also view some information on the last line of the display. The form of the information looks like this- 69:11:296. These numbers represent the number of days passed, the number of weeks passed, and the number of days left in this year.
Use **2,4,6,8** keys to moves to the next week or back to a previous week. You can also use the volume keys on the left side of the phone to move to the next or previous month.

You can see another date by selecting the **GotoDate** option.
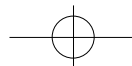
To do List   *Menu 7-5*

This menu allows you to write job list with priority and deadline, and also sort the jobs according to their priority type or their status. If you don't have any items in the list, proceed as follows to make your job list.

1. press the **New** soft key to input contents.

2. Input your contents.
   For informatin on how to enter characters, see page 41.

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

4. Select the priority type using **Select** soft key.
   1 and 2 types are available.

5. Input deadline. Press **Yes(/No)** soft key for saving the date.

6. Press the **Yes(/No)** soft key for saving the list.

If you have any items in the list, you can see the list with mark, priority and contents.

To see the detailed contents of an item, press the **View** soft key. In this view, if you press the * key, the mark, date created and time will be displayed.

To mark your item, press the * key. The key will be toggled between marking and unmarking.

You can choose the following options, by pressing the **Options** soft key.

New : allows you to write new item.

Mark : allows you to mark.

Edit : allows you to edit your item's contents.

Sort : allows you to sort according to priority 1, priority 2, marking status.

Copy : copies one item to another.

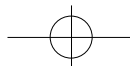**Delete** : deletes the item.

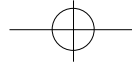**Delete All** : deletes all items.

Games   *Menu 7-6*

Using this menu you can also enjoy games with the phone.

1. Scroll to the desired game and press the **Select** soft key.

2. The following options are available.

Play: allows you to start a game.

Level: appears when it is needed. It allows you to select the level. Select the desired level with up/down volume key on the left side of the phone and press the **OK** soft key.

Configuration: allows you to set phone configuration, such as backlight and sound.

To set each configuration, scroll with up/down volume key to Backlight and Sound and **On/Off** soft key.

Introductions: shows you a help text of the game. You can page up or down with up/down volume key.

High Score: shows you the game's high score list.

While playing a game, to go upper menu, press the **C** key or ☎↦ key.

When you finish the game, if you record a high score, the phone displays the High Score screen.

World Time   *Menu 7-7*

You can use your phone to check the current time in 21 major cities around the world. Scroll through the cities using the ⊐ soft key.
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 the time zone in which you are located, proceed as follows.

1. Select the city corresponding to your time zone by pressing the ⊐ soft key one or more times.

   The local date and time are displayed.

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

3. | **To...** | **Then press the...** |
   |---|---|
   | Update the current date/time with this new setting | **Set Local** soft key. |
   | Indicate that the time zone is currently using the daylight saving time | **Set DST** soft key. A bullet (•) is shown next to the time difference. |
   | Indicate that the time zone is no longer using the daylight saving time | **Remove DST** soft key (only available when a bullet (•) is shown next to the time difference). |
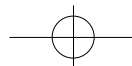
Organizer

Set Time

Menu 7-8

The option allows you to change the time displayed, using the 24-hour system.

Note: Before setting the time, you must specify your time zone, via the **World Time** menu option (**7-7**).

Set Date

Menu 7-9

The option allows you to change the date displayed. Enter the day, month and year.

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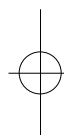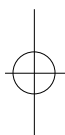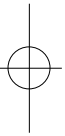
Security

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

Various codes and passwords are used to protect the features of your phone. They are described in the following sections (see also pages 22-25).

PIN Check   *Menu 8-1*

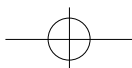When the PIN Check feature is enabled, you must enter your PIN each time you switch the phone on. Any person who does not have your PIN cannot, therefore, use your phone without your approval.

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

To change your PIN, refer to menu option **8-2**.

The following options are available.

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

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

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Change PIN   *Menu 8-2*

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 8-3*

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

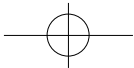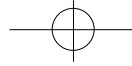The password is factory set to 0000. To change the phone password, refer to menu option **8-4** on the following page.
Once the correct password has been entered, you can use the phone until you switch it off.

The following options are available.

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

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

Change Password   *Menu 8-4*

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 factory set to 0000. Once you have entered a new password, you are asked to confirm it by entering it again.

SIM Lock   *Menu 8-5*

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.
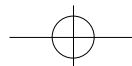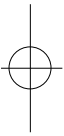
FDN Mode   *Menu 8-6*

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.

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

Disable: you can phone any number.

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

To change your PIN2, refer to menu option **8-7** below.

Change PIN2   *Menu 8-7*

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

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

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

Network Services

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

Call Diverting   *Menu 9-1*

This network service enables incoming calls to be
rerouted to the number that you specify.
<u>Example</u>: 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 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.
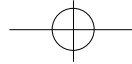**Cancel All:** all call diverting options are cancelled.

You can specify individual diverting options for each
of the following call types:
• Voice calls only
• Fax calls only
• Data calls only

<u>Example</u>: You can:
          • Systematically divert fax calls to your
            office fax machine
          • Divert voice calls to your colleague if
            you are already using the phone

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To set your call diverting options, proceed as follows.

1. Select the type of call diverting required by pressing ⌐ until the appropriate option is highlighted, and then press **Select**.

2. Select the type of calls to be diverted by pressing ⌐ until the appropriate option is highlighted and then press **Select**.

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

4. You can enter the number of your choice. To enter the international code, press **0** until the + sign is displayed. You can also select a number in the phonebook or the voice server number, by pressing the **Options** soft key, followed by **PhoneBook** or **Voice Server Number**.

   When you are satisfied, press the **Send** or **OK** soft key; the phone sends your setting to the network and the network's acknowledgement is displayed.

To deactivate specific call diverting settings, proceed as follows.

1. Select the call diverting option to be deactivated.

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

3. Press the **Remove** soft key.

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

You can also deactivate <u>all</u> call diverting settings by selecting the **Cancel All** option.

Call Barring   *Menu 9-2*

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, that 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 your home service area.
Cancel All: all call barring settings are deactivated; calls can be made and received normally.

To set your call barring options, proceed as follows.

1. Select the type of call barring required by pressing ⌐ until the appropriate option is highlighted and then press **Select**.

2. Select the type of calls to be barred by pressing ⌐ until the appropriate option is highlighted and then press **Select**.

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

Call Waiting   *Menu 9-3*
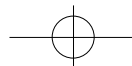
4. Enter your call barring password supplied by your service provider.

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

To deactivate specific call barring settings, proceed as follows.

1. Select the call barring option to be deactivated.

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

3. Press the **Remove** soft key.

4. Enter your call barring password supplied by your service provider.
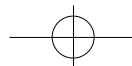
   The phone sends your settings to the network and the network's acknowledgement is displayed.

You can also deactivate <u>all</u> 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.

This network service enables you to be informed when someone is trying to reach you during another call.

To set your call waiting options, proceed as follows.

1. Select the type of calls to which the call waiting option is to be applied by pressing ⤵ until the appropriate option is highlighted and then press **Select**.

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

   The phone sends your settings to the network and the network's acknowledgement is displayed.
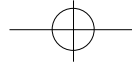
To deactivate specific call waiting settings, proceed as follows.

1. Select the type of call to which the option applies.

2. Press the **Deactivate** soft key.

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

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

Network Selection   *Menu 9-4*

The Network Selection feature enables you to:
- Indicate whether the network used when roaming (outside your home area) is selected automatically or manually
- Set up a preferred list to be used when selecting a network automatically

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

To indicate whether the network is to be selected automatically or manually when roaming, proceed as follows.

1. When **Network Select** is displayed, press the **OK** soft key.

2. Press the ⌐ soft key until the appropriate option is highlighted and press **OK**.

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

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

3. Press the ⌐ soft key until the preferred network is highlighted and press **OK**.

   You are connected to that network when roaming.

Preferred List: allows you to list your preferred networks to be used when roaming. Your phone uses the networks in order of appearance in this list, provided that the network is available.

When you select this option, the current preferred list is displayed if it already exists (see the procedure below). Otherwise, the list of available networks is displayed directly (see Step 2).

1. | To... | Then press the... |
   |---|---|
   | Scroll through the preferred list | ⌐ soft key. |
   | Change an entry in the preferred list | ⌐ soft key to highlight the required entry, followed by the **Edit** soft key. |

2. Select the network to be added to the list by pressing the ⌐ soft key until it is highlighted, followed by **Select**.

   The network is added to the list.
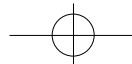
Line Identification   *Menu 9-5*

This menu option lets you view the following line identification settings.

CLIP (Calling Line Identification Presentation) / **COLP** (Connected Line Identification Presentation) If these network functions are active, the caller's number is displayed during a call. If the phone number matches one stored in the phonebook, the caller's name is also displayed.

CLIR (Calling Line Identification Restriction) / **COLR** (Connected Line Identification Restriction) If these network functions are active, your phone number is not displayed on the called person's phone.

Closed User Group (CUG)   *Menu 9-6*

This network service allows incoming and outgoing calls to be restricted to a selected user group. You may be a member of up to 10 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 are asked if you want to activate the CUG function. Press the **Yes** soft key. You can now access the following options.

**Deactivate:** deactivates the CUG function.

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

To...	Then press the...
Scroll through the existing CUG indexes	▼ or ▲ keys on the left of the phone.
Add a new CUG index	**Add** soft key and enter the index.
Delete a CUG index	**Delete** soft key.

Outside Access: enables you to allow or prohibit 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.

Default Group: you may communicate a default CUG to your service provider. If you have done so, you can enable the **Default Group** option on your phone. When making a call, you will be given the option of using your default CUG, instead of selecting one from the list.
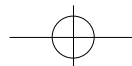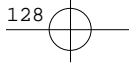
Solving Problems

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 appear

Insert SIM Card
• Check that the SIM card is correctly installed.

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

Enter PIN
• You are using your phone for the first time. You must enter the Personal Identification Number supplied with the SIM card.
• The option requiring that the PIN be entered each time the phone is switched on was enabled. You must enter your PIN and then disable this option if so required.

Enter PUK
• The PIN code was entered wrongly 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 (⬅,◆ 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 (**Mute** appears)?
• Are you holding the phone close enough to your mouth? The microphone is located in the bottom centre of the phone.

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

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

The audio quality of the call is poor

• Check the signal strength indicator in the display (📶); the number of bars after it indicates the signal strength from strong (📶) to weak (📶).
• Try extending the antenna, 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 numbers have been stored correctly, by using the Phonebook Search feature.
• Re-store them, if necessary.

If the above guidelines do not enable 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.

Using the Batteries

Your phone is powered by a rechargeable Li-ion standard battery.
The following batteries are also available (ask your SAMSUNG dealer for further details):
– BTI24G slim battery
– BTS24G standard battery
– BTE24G extended battery

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 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 life-time 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 youcarry 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.

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Safety Information

Road Safety

- Remember, road safety always comes first!

- Do not use a hand-held phone while driving a vehicle. Always park the vehicle before having a conversation.

- Make sure that the phone is stored safely and will not fall or be broken in the event of a collision or emergency stop.

- The use of an alert device to operate a vehicle's lights or horn on public roads is not permitted.

- Only qualified personnel should install or service the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the unit.

- Electronic fuel injection, anti-skid braking, electronic cruise control or any other electronic systems may malfunction due to the lack of protection from radio signals. Check regularly that all cellular phone equipment in your vehicle is mounted and operating correctly.

Operating Environment

- Remember to follow any special regulations in force in any area and always switch off your

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phone whenever it is forbidden to use it, or when it may cause interference or danger (in a hospital for example).

• Operation of any radio transmitting equipment, including cellular phones, may interfere with inadequately protected medical devices. Consult a physician or the manufacturer of the medical device if you have any questions. Other electronic equipment may also be subject to interference.

• As with other mobile radio transmitting equipment, you are advised that for satisfactory operations and personal safety, the equipment should only be used in the normal operating position.

• Always switch off the phone when at a refuelling point (service station). You 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.

• Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.

• Switch off your cellular phone when in an aircraft. The use of cellular phones in an aircraft is illegal and may be dangerous to the operation of the aircraft or disrupt the cellular network. Failure to observe these instructions may lead to the suspension or denial of cellular telephone services to the offender, legal action or both.
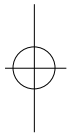
Care and Maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill the warranty obligations and 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 containing minerals will corrode the electronic circuits.

• Do not use or store the phone in dusty, dirty areas as its components 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 temperature), moisture can form inside the phone, which may damage the electronic circuits.

• Do not attempt to open the phone. Non-expert handling of the phone may damage it.

• Do not drop or knock the phone. Rough handling may damage the internal circuits.
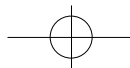
- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in mild, soapy water.

- If the phone or any of its accessories are not working properly, take them to your nearest qualified service centre. The personnel there will assist you, and if necessary, arrange for the phone to be repaired.

Emergency Calls

Important! This phone, like any cellular phone, uses radio signals, cellular and landline networks, as well as user-programmed functions that cannot guarantee connection in all conditions. Therefore, you should never rely solely on any cellular phone for essential communi- cations (medical emergencies for example).

Remember, to make or receive any calls, the phone must be switched on and in a service area with adequate cellular signal strength.

Emergency calls may not be possible on all cellular phone networks or when certain network services and/or phone features are in use. Check with local cellular service providers.

Glossary of Terms

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

Active Flip

Ability to voice dial or voice command immediately on opening the flip cover on the phone.

Call Barring

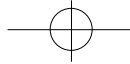Ability to restrict outgoing and incoming calls.

Call Diverting

Ability to reroute calls to another mobile or fixed line.

Call Holding

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

Call Waiting

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

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.

Line Identification Services

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

Multi-party Calling

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

Phone's 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 theservice 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 (up to 160 characters long) can be displayed, received, edited or sent.
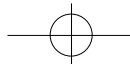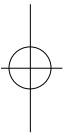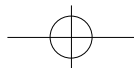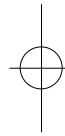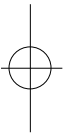
Soft Keys

Keys marked **...** 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

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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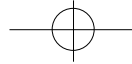PUK2 • 24

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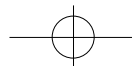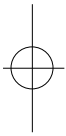
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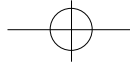
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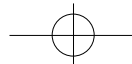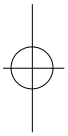
SGH-2488C GSM Telephone
Quick Reference Card

How to Access the Menu Function

① Press the **Menu** soft key.

② Scroll with the ■ soft key (or ▼ or ▲ on the left side) through the list of menus until you reach the required menu.

③ Press the **Select** soft key.

④ Scroll with the ■ soft key through the list of setting options until the required option is selected.

⑤ Press the **OK** soft key to confirm.

- Each of the two soft keys (■ ■) performs the function indicated by the text above it (bottom line in the display).

Switch On/Off

Press and hold ■.

Make a Call

(Direct Call)

① Key in the number.

② Press ■.

(Voice Dial)

Provided that the name is recorded and the **Active Flip** menu option (**6-0**) is set to **ON**:

① Open the flip cover.

② Say the name.

End a Call

Briefly press ■.

Answer a Call

Open the flip cover

or

Press ■.

Adjust the Volume

Press ▲ or ▼ on the left side of the phone.

Store Numbers in the PhoneBook

① Type in the number.

② Press the **Save** soft key.

③ Enter the name.

④ Press the **OK** soft key.

⑤ If necessary, change the location.

⑥ Press the **OK** soft key.

Search for a Number in the PhoneBook

① Press the **PhoneBook** soft key.

② Enter the start of the name.

③ Press the **Find** soft key.

④ To scroll through the names, press the ■ soft key.

⑤ To make a call, press ■.

Record a Name for Voice Dialling

① Press **Menu, 4**.

② Select the **Record** menu.

③ Record the name and follow the instructions.