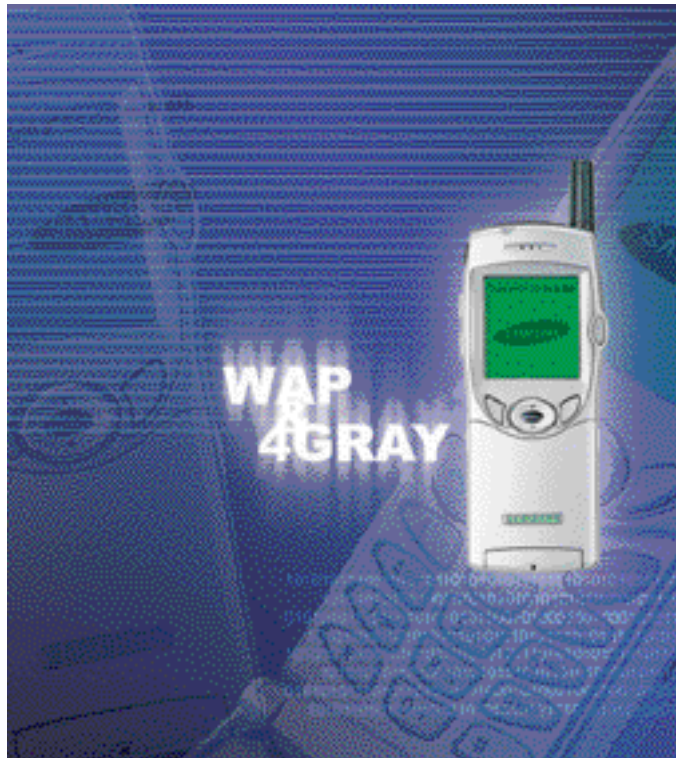




DUAL BAND GSM TELEPHONE SGH-N300

OWNER'S MANUAL



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

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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 128.

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 that the phone is switched on and in service. Enter the emergency number (112 or another official emergency number) and press the  key. Give your location. Do not end the call until given permission to do so.

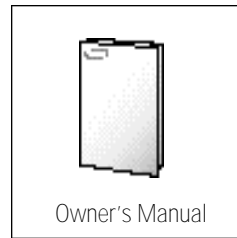
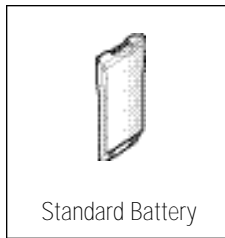
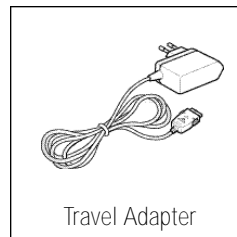
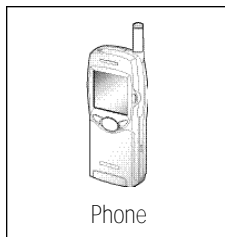
End the call by closing the phone or pressing .

IMPORTANT! Use only SAMSUNG-approved accessories. 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.



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

- Cigarette lighter adapter
- Simple Hands-free car kit
- Slim and standard batteries
- Data kit
- Ear microphone *
- Desktop charger *

* Depending on the country, this accessory may be supplied in the standard package.

Your Phone

Phone Layout

The following illustration shows the main elements of your phone.



Volume keys

During a call, adjust the earpiece volume.
In idle mode with the flip cover open, adjust the key tone volume.

Service light

Earphone jack

Antenna

Earpiece

Display

Microphone

Flip cover

If the flip cover is detached from the phone either accidentally or on purpose, it can be easily clipped back on to the phone.



In idle mode, allows you to access the WAP Browser menu quickly.



Soft keys

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



In the menu facility, scroll through the menu options and phonebook memory.
In idle mode, access your favourite menu options directly. You can assign menu options to each key via the **Quick Menu** option. For further information, see page 102.



Deletes characters from the display.



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.

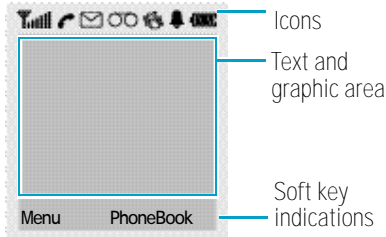


In idle mode, toggles between the vibration and melody alert types.

Display

Display Layout

The display comprises three areas.



Area	Description
First line	Displays various icons (see page 13).
Middle lines	Display messages, instructions and any information that you enter (number to be dialled, for example).
Last line	With the flip cover open, shows the functions assigned to the two soft keys. With the flip cover closed, displays the Keypad Lock icon (🔒) and Aoc soft key indication. 🔒 : hold down the left soft key to activate the keypad. You can access the main menu without opening the flip cover. The keypad is automatically locked if no key is pressed with in a period of time or opening and closing the flip cover. Aoc : hold down the right soft key to display AOC (Advice of Charge) information, depending on your SIM card or Call Cost menu option (1-5).

Icons

- 
Signal strength: shows the received signal strength. The greater the number of bars, the better the signal strength.
- 
Service: appears when a call is in progress.
- 
New Message: appears when a new text message has been received.
- 
New Voice Mail: appears when a new voice mail message has been received.
- 
Vibrator on: appears when the Vibrate mode is active.
- 
Alarm on: appears when you set the alarm.
- 
Battery strength: shows the level of your battery. The more bars you see, the more power you have left.

Backlight

The display and keypad are illuminated by a backlight. When you open the flip cover, press any key or hold down one of the volume keys with the flip cover closed, the backlight comes on. It turns off if no key is pressed within a given period of time, depending on the **Backlight** option in the **Phone** 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 (**5-1-5**); see page 84 for further details.

Service Light

There are several cases in which the service light flashes.

- When in service.

To activate or deactivate the service light, set the **Service Light** menu option (**5-1-6**); see page 85.

To select the colour of the service light, set the **Service Colour** menu option (**5-7**); see page 103.


- When an SMS message is received (the light is orange).
- When the alarms rings (the light is white).
- When you receive a call (the light is green by default).

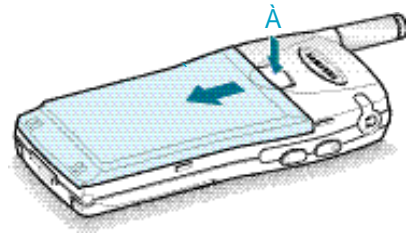
To change the colour, set the phonebook **Colour** option; see page 39.

Installing the SIM Card and the Battery

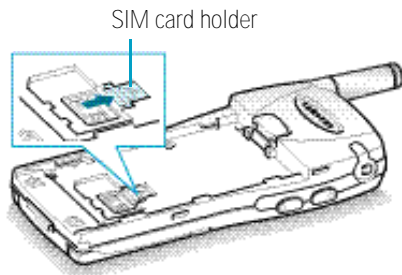
When you subscribe to a cellular network, you are provided with a SIM card loaded with your subscription details (PIN, optional services available and so on).

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

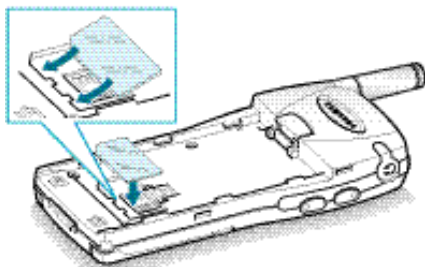
1. If necessary, switch off the phone by holding down the  key until the closing animation is displayed.
2. Remove the battery. To do so:
 - Press and hold down the catch above the battery on the back of the phone
 - Slide the battery away, as shown



- Slide the SIM card holder in the direction of the arrow and hold it in this position.

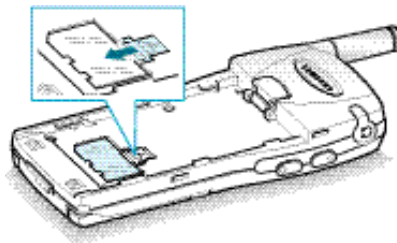


- Insert the SIM card under the two tabs, ensuring that the cut corner faces towards the bottom of the phone and the gold contacts of the card face into the phone.

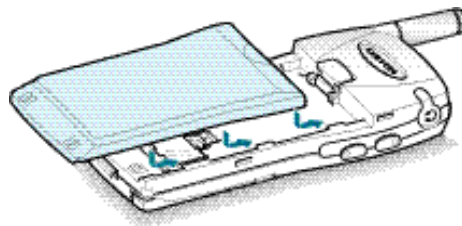


Note: If you need to remove the SIM card, carefully slide the SIM card lock back and take the card out of the holder.

- Hold the SIM card down and release the holder to lock it into place.



- Place the battery back on the phone. Slide the battery up towards the catch until it locks into place. Make sure that the battery is properly installed before switching on the power.



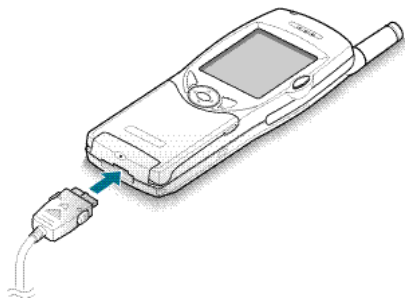
Charging a Battery

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

The phone can be used while the battery is charging.

Note: You must fully charge the battery before using your phone for the first time. A discharged standard battery is fully recharged in approximately 135 minutes. A discharged slim battery is fully recharged in approximately 70 minutes.

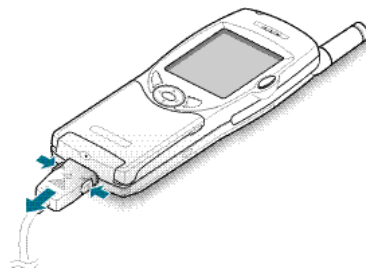
1. With the battery in position on the phone, connect the lead from the travel adapter to the bottom of the phone. Check that the arrow on the lead connector is facing towards the front of the phone.



2. Connect the adapter to a standard AC wall outlet.

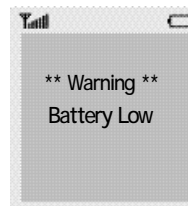
When the battery is charging, the battery icon in the top right-hand corner of the display fills repeatedly.

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




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:



When the battery becomes too weak for the phone to operate, the phone 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.

Note: If “Insert SIM Card” appears on the display, please check that the SIM card is correctly inserted. The phone requires a 3 V SIM card. Please contact your service provider if you experience any problems.
 3. If the phone asks for a password, key in the password and press the **OK** soft key. The phone password is factory set to 0000. For further details, see page 124.
 4. If the phone asks for a PIN, key in the PIN and press the **OK** soft key. For further details, see page 124.
- The phone searches for your network and when it finds it, the idle screen, illustrated below, is displayed.



Note: The display language is determined by the SIM card inserted. To change the language, use the **Language** menu option (5-1-3); for further details, refer to page 83.


5. When you wish to switch the phone off, hold down the  key for more than two seconds.

WARNING: Do not switch on the phone when mobile phone use is prohibited or when it may cause interference or danger.

Note: Your phone has a built-in antenna. As with any other radio-transmitting device, do not touch the antenna unnecessarily when the phone is switched on. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.


Call Functions

Making a Call

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

Note: If you have set the **Auto Redial** option (5-1-7) to **ON** (see page 85) and the person called does not answer or is already on the phone, the number is redialled automatically up to ten times.

Making International Calls

1. Press and hold down the **0** key.
The + international prefix appears.
2. Key in the country code, area code and phone number and press the .

Correcting the Number

To clear...





The last digit displayed


Any other digit in the number

The whole display


Then...

Press the  soft key.

Press the  or  key until the cursor () is immediately to the right of the digit to be cleared. Press the  soft key. You can also insert a missing digit simply by pressing the appropriate key.

Hold down the  soft 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 of the people you call 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 35.






You can also quickly dial the numbers stored in SIM locations 2 to 9, simply by holding down the corresponding number key.

Using the Voice Dialling Feature



If you have set the **Active Flip** option (5-1-0) to **Voice Dial** (see page 86), you can also say a name when you open the flip cover. The number stored with the name is then automatically dialled. For further details on the Voice Dialling feature, refer to page 70.

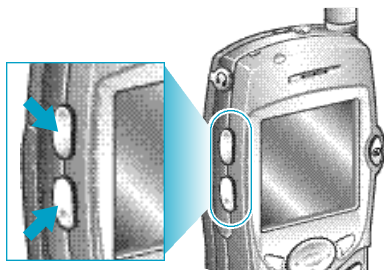
Redialling the Last Number

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

1. To dial the last number called, hold down the  key in idle mode. Otherwise, press the  key to access the list of the last numbers dialed.
2. Use the  and  keys to scroll through the numbers until the required number is displayed.
3. Press the  key to dial the number displayed.

Adjusting the Volume

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

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




Caller's name or number (if available)


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.

Answering a Call

There are three ways to answer an incoming call.

- Press the **Accept** soft key.
- Open the flip cover.
- When the **Any-Key Answer** menu option is set to **ON** press any key, except  or the **Reject** soft key

Rejecting a Call

To reject a call, close the flip cover or press the  or **Reject** soft key.

Viewing Missed Calls

If you are unable to answer a call for any reason, you can find out who was calling you, provided that 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.

- | | |
|--------------------------------|---------------------------------|
| 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.
- | | |
|-------------------------------------|---|
| To... | Then press the... |
| Scroll through the missed calls | ▲ or ▼ key. |
| Call the number displayed | ↶ key. |
| Edit or delete a missed call number | Options soft key (see opposite). |

Editing a Missed Call Number

- Press the **Options** soft key.
- Press the ▲ or ▼ key to highlight the **Paste** option.
- Press the **Select** soft key.
- Change the number as required. Press the ▲ or ▼ key to move back through the number.
- | | |
|------------------|--|
| 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 35). |

Deleting a Missed Call

- Press the **Options** soft key.
- Press the ▲ or ▼ key to highlight the **Delete** option.
- Press the **Select** soft key.

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

Note: You can access the Missed Call feature at any time by selecting the **Missed Calls** menu option (1-1); for further details, see page 60.

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 ▲ or ▼ 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 ▲ or ▼ key to highlight the **Unmute** option.
3. Press the **OK** soft key.

Your correspondent can hear you again.

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 ▲ or ▼ key to highlight the **Phonebook** option.
3. Press the **OK** soft key.
4. Enter the start of the name that you wish 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 view the highlighted entry, press the **View** soft key.


For a more detailed description of the Phonebook feature, refer to page 40.

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 **Options** 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 the  key 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 and selecting 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 you have set the **Call Waiting** menu option (**5-2-3**) to **Active** (see page 93). 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 the  key to answer the incoming call.
The first call is automatically put on hold.
2. To switch between the two calls, press the **Swap** soft key.

To end a held call, press the **Options** soft key and select the **End held** option.
3. To end the current call, press the  key.

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 ▲ or ▼ key, followed by the  key.
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 ▲ or ▼ key, followed by the  key.
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 the  key.


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 the message; refer to page 63 for further details.

Phonebook



You can store phone numbers and their corresponding names in the memory of your SIM card. The memory capacity depends on your SIM card. In addition, you can store up to 250 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.

Notes:

- If you make a mistake while entering a number, correct it using the  soft key. For further details, refer to page 22.
- 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.

2. When you are sure that the number is correct, press the **Save** soft key.
3. Enter the corresponding name (the maximum length depends on your SIM card). For information on how to enter a name, see page 42.
4. When you are satisfied, press the **Save** soft key. The phone now displays the first free location in the last memory used to save a number and name. If that memory is full, the first free location in the other 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 the  key to clear the location number and enter your preferred location by pressing the number keys.
7. Press **OK** to store the name and number. You can access the phonebook options, by pressing the **Options** soft key, or scroll through the memory with the ▲ or ▼ key.
8. To return to the idle screen, press the  key.

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...**

Select the highlighted option

Highlight a different option

Then press the...

Select soft key.

▲ or ▼ key one or more times until the required option is highlighted.

Call

This option dials the selected number.

Text Reply

This option allows you to send a text message to the selected number.

Enter the message and press the **OK** soft key. For further information on how to enter text, see page 42.

Voice Record

Note: This option only appears if no name has as yet been recorded.

This option allows you to add a voice tag to the number.

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

Play Voice

Note: This option only appears when you have already recorded a name.

This option plays back the names that you have recorded.



Voice Delete

Note: This option only appears when you have already recorded a name.

This option allows you to delete a specific voice tag. 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  soft key to change the number as required (refer to page 22 for further details). When you are ready to dial, press the  key.

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.

Memory Status

This option allows you to check how many names and phone numbers are stored and how many locations are still free in the card memory and phone memory.

Alert

This option allows you to assign a specific ring tone to a number and thus distinguish the caller by the ring tone. Specific ring tones can be assigned to up to five numbers.

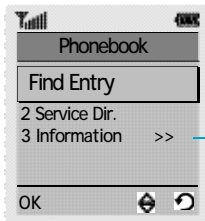
Colour

This option allows you to assign a specific service light colour to a number and thus distinguish the caller by the service light colour.

Three colours are available (red, violet and sky blue) and they can be assigned to up to five numbers. If no specific colour is assigned, the service light flashes in green when you receive a call.

Searching for and Dialling a Number in the Phonebook

1. When the idle screen is displayed, press the **PhoneBook** soft key.
2. If your SIM card provides Service Dialling Number (SDN) and Information Number services, you will see the following screen.



If the menu name is too long for the display, it is scrolled when highlighted.

3. Select **Find Entry** by pressing the ▲ or ▼ key, if necessary and press the **OK** soft key.
4. Enter the start of the name that you wish 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...

View the highlighted entry

Select a different entry


Look for a name starting with a different letter

Then press the...

View soft key.

▲ or ▼ key one or more times until the required entry is highlighted.

Key labelled with the required letter.

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

Dialling a Number Using the Service Directory or Information Numbers

Note: The **Service Dir.** and **Information Numbers** options may not be available, depending on your SIM card.

When the idle screen is displayed, press the **PhoneBook** soft key. You will see the screen illustrated on page 40.


- **Service Dir.:** enables you to view the Service Directory and make calls from it.
- **Information Numbers:** enables you to see the Information Numbers in a tree structure and make a call.

Entering Text

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

You are provided with the following text input modes.

T9 mode

This mode allows you to enter words with only one keystroke per letter. Each key on the keypad has more than one letter – when you press the  key once, J, K or L may be displayed. The T9 mode automatically compares your keystrokes with an internal linguistic dictionary to determine the correct word, thus requiring far fewer keystrokes than the traditional ABC mode.

ABC mode

This mode allows you to enter letters by pressing the key labelled with the required letter once, twice or three times until the letter is displayed.

Number mode

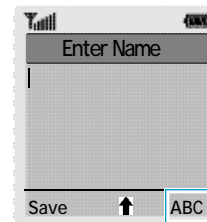
This mode allows you to enter numbers.


Symbolic mode

This mode allows you to enter special characters.

Changing the Text Input Mode

1. When you are in a field that allows characters to be entered, you will notice the text input mode indicator in the lower right corner of the display.





Text input mode indicator:
 ABC: ABC mode
 NUM: Number mode
: T9 mode
 SYM: Symbolic mode

2. Press the right soft key.
The modes available are displayed.
3. Scroll to the required mode, then press the **Select** soft key.

Using the T9 Mode


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



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


Example: to enter HELLO in the T9 mode, press , , ,  and .

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



2. Enter the whole word before editing or deleting any keystrokes.
3. If the word is correct, start entering the next word.

Otherwise, press  repeatedly to display alternate word choices for the keys that you have pressed.

Example: OF and ME both share the sequence , . The phone displays the most commonly used choice first.


4. Complete each word with a space by pressing the  key.

To type words not found in the T9 mode, change the text input mode to the traditional ABC mode.

You can move the cursor by using the ◀ and ▶ keys. To delete letters, press . Press and hold down  to erase entire words.


There are three shift options:

- Lower Case (no shift indicator)
- Initial Capitals (↑ indicator)
- Caps Lock (↑ indicator)

Press  one or more times to display the appropriate shift indicator and continue typing normally.



Shift indicator


Note: To exit the text input mode without saving your input, press . The phone returns to the previous menu level.

Using the ABC Mode

Use the  to  keys to enter your text.

1. Press the key labelled with the required letter:



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


Note: To display a list of special characters, press . See the table on page 47 for more information on the characters available using the keys.

2. Select the other letters in the same ways.





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

There are three shift options:

- Lower Case (no shift indicator)
- Initial Cap ()
- Caps Lock ()

Press the  key one or more times to display the appropriate shift indicator in the bottom line of the display and continue typing normally.

To insert a space, press the  key.

You can move the cursor by using the  and  keys. To delete letters, press the  key. Press and hold down the  key to clear the display.

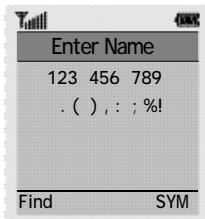
Key	Characters in the Order Displayed	
	Upper Case	Lower Case
1	: ; ' " /	. , ? ! - ' @ :
2	A B C 2 Å Æ Ä	a b c 2 à á â ã ç
3	D E F 3 É	d e f 3 é è
4	G H I 4	g h i 4 ì
5	J K L 5	j k l 5
6	M N O 6 Ñ Ò Ø	m n o 6 ñ ò ø
7	P Q R S 7	p q r s 7 ß
8	T U V 8 Ü	t u v 8 ü
9	W X Y Z 9	w x y z 9
0	0 * < > % # £	0 + () & _ \$

Using the Number Mode


The Number mode enables you to enter numbers in a text message (a telephone number for example). Press the keys corresponding to the required digits before manually switching back to the appropriate text entry mode.

Using the Symbolic Mode



The Symbolic mode enables you to enter various symbols.



To scroll through the symbols available, press the ▲ or ▼ key. Press the number key corresponding to the required symbol. The phone automatically switches back to the text entry mode used immediately prior to selecting the Symbolic mode.

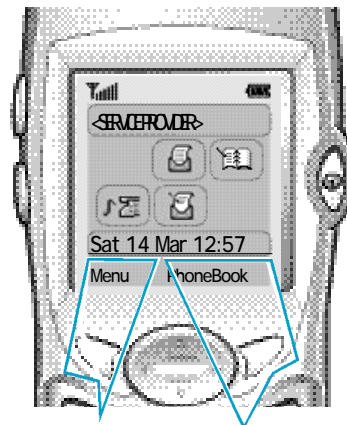
Note: To enter a new line character in a text message, press the  key in the Symbolic mode.

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 ( and ). Each menu and sub-menu allows you to view and alter the settings of a particular function.

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

Example:



Press the left soft key to access the menu feature.

Press the right soft key to access the Phonebook feature.

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:


- Function displayed
- or
- Option highlighted

View the next function or highlight the next option in a list ▼ key.

Move back to the previous function or option in a list ▲ key.

Move back up one level in the structure Right soft key.

Exit the structure without changing the settings  key.

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

Note: When you access a list of options, your phone highlights the current option. If, however, there are only two options, such as On/Off or Enable/Disable, your phone highlights the option that is not currently active, so that you can select it directly.

Example: Selecting a Ring Tone

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




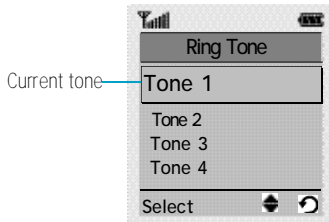
2. Scroll through the menus until you reach the **Tones** menu, by pressing the ▼ key.




3. To select the **Tones** menu, press the **Select** soft key or the  key.



- To select the **Ring Tone** menu, press the **Select** soft key or the  key.
The current setting is highlighted.



Note: If your SIM card supports the ALS (Alternate Line Service) feature, you must select either line 1 or line 2 before selecting the ring tone.

- Scroll through the list of options until the appropriate one is highlighted, by pressing the **▲** or **▼** key. You hear the corresponding tone.
- Press the **Select** soft key to confirm your selection.
- Press the  soft key twice to exit the menu structure.

Using the Menus



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

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


Accessing Menu Functions by Scrolling

- In idle mode, press the **Menu** soft key to access the menu facility. Scroll with the **▲** or **▼** keys to reach the required main menu. Press the **Select** soft key to enter the menu.
- If the menu contains any sub-menus, **Ring Tone** for example, you can access them by scrolling with the **▲** or **▼** keys and pressing the **Select** soft key.

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

- | 3. To... | Then press the... |
|--|--|
| Scroll through the menus | ▲ or ▼ keys. |
| Confirm the chosen setting | Select soft key. |
| Return to the previous menu level |  soft key. |
| Exit the menu, without changing the settings |  key. |

Accessing Menu Functions by Using Shortcuts

The menu items (menu, sub-menus and options) are numbered and can be accessed quickly by using their shortcut number. The shortcut number is shown in the bottom-right next to the  soft key on the display.

1. In idle mode, press the **Menu** soft key to access the menu facility.
2. Within three seconds, key in the first digit of the shortcut number. Repeat this for each digit of the shortcut number.

Example: setting the **Any-key Answer** function

Press the **Menu** soft key, and key in **5, 1, 4, 2**.

Menu to enter the menu, **5** for **Settings**, **1** for **Phone**, **4** for **Any-key Answer** and **2** to set the **Any-key Answer** option to **ON**.

Note: The numbers assigned to each menu option are indicated in the list on page 55. They may not match the menu number on the phone. It depends on the services supported by the SIM card.

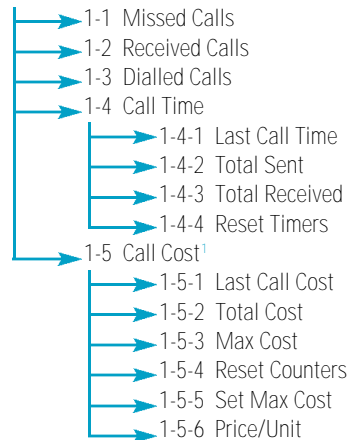
Menu Map

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

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

1. Call Records




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¹ Shown only if supported by your SIM card.


2. Messages

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- 2-1 Voice Mail
 - 2-1-1 Connect to Voice Mail 
 - 2-1-2 Voice Server Number
- 2-2 Read Messages
- 2-3 Write Messages
- 2-4 Preset Message List
- 2-5 Setup
 - 2-5-1 Service Centre
 - 2-5-2 Default Type
 - 2-5-3 Default Validity
- 2-6 Broadcast
 - 2-6-1 Read
 - 2-6-2 Receive
 - 2-6-3 Channel List
 - 2-6-4 Language
- 2-7 Chatting


3. Voice Functions

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- 3-1 Voice Dial 
 - 3-1-1 Record
 - 3-1-2 Act
 - 3-1-3 Delete One
 - 3-1-4 Play All
 - 3-1-5 Delete All
- 3-2 Voice Command
 - 3-2-1 Record
 - 3-2-2 Act
 - 3-2-3 Play All
 - 3-2-4 Delete All
- 3-3 Voice Memo
 - 3-3-1 Record
 - 3-3-2 Replay
 - 3-3-3 Delete One
 - 3-3-4 Delete All
- 3-4 AnswerPhone
 - 3-4-1 AnswerPhone
 - 3-4-2 Message Record
 - 3-4-3 Message Select


4. Tones

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

5. Settings

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- 5-1 Phone 
 - 5-1-1 Greeting Message
 - 5-1-2 Own Number¹
 - 5-1-3 Language
 - 5-1-3-1 Text Language
 - 5-1-3-2 Voice Language
 - 5-1-3-3 Input Mode
 - 5-1-4 Any-key Answer
 - 5-1-5 Backlight
 - 5-1-6 Service Light
 - 5-1-7 Auto Redial
 - 5-1-8 Auto Answer
 - 5-1-9 Caller ID
 - 5-1-0 Active Flip
 - 5-1-# Reset Settings
 - 5-1-# Active Line¹
- 5-2 Network Services
 - 5-2-1 Call Diverting²
 - 5-2-2 Call Barring²
 - 5-2-3 Call Waiting²
 - 5-2-4 Network Selection
 - 5-2-5 Line Identification²
 - 5-2-6 Closed User Group

¹ Shown only if supported by your SIM card.² May not be shown or supported by your network service provider.

5. Settings *(continued)*

- 5-3 Security
 - 5-3-1 PIN Check
 - 5-3-2 Change PIN
 - 5-3-3 Phone Lock
 - 5-3-4 Change Password
 - 5-3-5 SIM Lock
 - 5-3-6 FDN Mode¹
 - 5-3-7 Change PIN2¹
- 5-4 LCD
 - 5-4-1 Screen Mode
 - 5-4-2 Select Image
 - 5-4-3 LCD Contrast
 - 5-4-4 Select IDLE
 - 5-4-5 Select Clock
- 5-5 Quick Menu
 - 5-5-1 UP
 - 5-5-2 DOWN
 - 5-5-3 RIGHT
 - 5-5-4 LEFT
- 5-6 WAP Browser²
 - 5-6-1 Proxy Settings
 - 5-6-2 Current Proxy
- 5-7 Service Colour

6. Organiser

- 6-1 Scheduler
- 6-2 Alarm
- 6-3 Calculator
- 6-4 To Do List
- 6-5 Calendar
- 6-6 World Time
- 6-7 Clock
 - 6-7-1 Set Time
 - 6-7-2 Set Date
 - 6-7-3 Format

Page 104



7. Games

Page 113

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



8. WWW Services

Page 114

The WAP Browser feature may vary, depending on the service provider.



¹ Shown only if supported by your SIM card.

² May not be shown or supported by your network service provider.

Call Records

Via this menu, you can view the phone calls:

- Missed
- Received
- Dialed

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

Missed Calls

Menu 1-1

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 call from the list
- Reply by sending a text message

Received Calls

Menu 1-2

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 call from the list
- Reply by sending a text message

Dialed Calls

Menu 1-3

This option lets you view the last 10 numbers dialed. You can also:

- Edit the number and save it in the phonebook
- Redial the number
- Delete the number from the list
- Send a text message

Call Time

Menu 1-4

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.

Reset Timers: option used to reset the call timers; you must first enter the phone password (see page 124) 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 1-5

Note: The options of this menu may vary, depending on your SIM card.

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, except calls to the emergency services, until you reset the counter.

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

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

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

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

^{*} Shown only if supported by your SIM card.

Messages

Your phone receives voice mail notification messages, and text messages. Voice mail and the Short Message Service (SMS) are network services. Please contact your service provider for more information.

When the  icon appears and the service light flashes orange, you have received new text messages. When the  icon appears, you have received voice mail. 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 (2-2) to delete obsolete messages.


Voice Mail

Menu 2-1

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

Connect to Voice Mail

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

Note: In idle mode, you can access your voice mail server directly by holding down the  key.

Voice Server Number

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	← soft key.
Move the cursor to the left/right without clearing the digit	▲ or ▼ key.

Note: See page 35 for further information on how to use the phonebook.

Read Messages

Menu 2-2

When the **Read Messages** menu is selected, the most recent message is displayed:

- Message number
- Sender's phone number (if sent with the message) or name if it is available in your phonebook
- Message status (new, old, not sent, sent)
- Date and time at which the message was received
- Message text

To scroll through the messages, press the ◀ and ▶ keys. 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.

Edit: allows you to edit a message.

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.

Chatting: allows you to chat with a person by sending SMS messages. See page 69 for further information on how to use the Chatting feature.

Note: The options available vary, depending on the message status (new, old, not sent, sent).

Write Messages

Menu 2-3

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

1. Key in a message. For further information on how to enter text, see page 42.
2. After you complete the message, you can select the following options.

Send Only: allows you to send the message immediately. You can enter the required destination, enter or change the SMS centre number, and select the message format (text, voice or fax). Also, you can 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. When you read the message, 'Sent' is displayed 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.

3. After selecting the required option, press the **Select** soft key.
The display prompts you to enter the destination number.
4. Enter the phone number and press the **OK** soft key.

Preset Message List

Menu 2-4

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 ◀ and ▶ keys. 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 text in your message, refer to page 42.

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 2-5

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

Service Centre: 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 messages into the selected format.

Default Validity: allows you to set the length of time for which your text messages will be stored at the SMS centre while attempts are made to deliver them to you. Possible values are one hour, 6 hours, 24 hours, one week and the maximum authorised by your service provider.

Broadcast

Menu 2-6

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 ▲ or ▼ key 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 ◀ or ▶ 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 to be used when displaying cell broadcast messages.

Chatting

Menu 2-7

With this menu, you can use the SMS (Short Message Service) feature to chat with other people.

1. Enter your ID of up to 8 characters and press the **OK** soft key.
Note: You cannot change your ID during a chat session.
2. Enter the phone number of the person with whom you wish to chat or press the **PhoneBook** soft key to use your phonebook.
3. Write a message of up to 150 characters and press the **OK** soft key.
If it is sent successfully, the chatting screen is displayed.
4. To exit the chatting screen, press the  key.

Voice Functions

You can use the voice functions to customise the following features:

- Voice dialling
- Voice commands
- Voice memos
- Answerphone

Voice Dial

Menu 3-1

The Voice Dialling feature allows you to make phone calls by saying a voice tag that has been assigned to a name and phone number. Any spoken word, a name for example, can be a voice tag.

Before using the Voice Dialling feature, note that:

- Voice tags are not dependent on the speaker's language but on his/her voice
- Voice tags are sensitive to any background noise
Record them and make calls in a quiet environment
- When recording a voice tag or making a call, hold the phone in the normal position close to your ear
- The maximum length of a voice tag is about 1.5 seconds, but very short names are not accepted
- You can store up to twenty voice tags in the phone's memory
- The phone must be in a service area with adequate cellular signal strength

Record

This option allows you to record voice tags and assign them to the appropriate numbers.

Say the name that you wish to use for voice dialling after you hear a voice prompt. For best results, use names with at least two syllables, or use both a first and last name. The phone stores the name as the first sample, and then prompts you to say the name again.

Respond to the prompt by repeating the name. The phone stores the name as the second sample and then requests the phone number.

To store the number, press the **OK** soft key. Follow the instructions described on page 35 to store the number into your phonebook.

Act

This option activates voice dialling.

You hear a voice prompt and **Say Name** is displayed. Say the voice tag clearly. If no match for the voice tag is found or recognised, the phone may ask you to try again. Otherwise, the phone automatically dials the number of the recognised voice tag.

Note: This option only appears when you have already recorded at least one voice tag.

Delete One

This option allows you to delete an individual voice tag. The corresponding phone number remains in the phonebook but the voice tag is deleted.

If the name displayed is... Then press the...

To be deleted

OK soft key.

Not to be deleted

▲ or ▼ key.

The next name is displayed.

To exit the **Delete One** option, press the  soft key.

Play All

This option allows you to play back all recorded voice tags.

Delete All

This option allows you to delete all voice tags. The corresponding phone numbers remain in the phonebook but the voice tags are all deleted. When the message "Delete All Confirm?" is displayed, press **OK** to confirm the deletion.

Otherwise, press the **Cancel** soft key to exit the function without deleting the voice tags.

Voice Command

Menu 3-2

This menu allows you to access frequently used menus quickly by saying your own voice command.

You can select the following options.

Record: depending on the SIM card, the 20 most frequently used menu functions can be assigned voice commands. The menus are set by default to **OFF**, indicating that no voice command has been recorded. When voice commands have been successfully recorded, the menus are changed to **ON** in the display.

Act: activates the voice command. Use this menu to access the menu by saying the recorded voice command.

Play All: plays all voice commands recorded.

Delete All: deletes all voice commands recorded.

Voice Memo

Menu 3-3

You can use the Voice Memo feature to:

- Record up to three voice memos
- Play the recorded voice memos
- Delete one or all voice memos

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 wish 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.

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 the **Skip** soft key.

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

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

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

AnswerPhone


Menu 3-4

You can set your phone to answer calls and play a recorded message.

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

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

The following options are available.

AnswerPhone: allows you to turn the answerphone feature on and off. When the answerphone is on, the  icon appears on the last line of 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 the **Delete** option and then record a new message.

Message Select: the phone provides two default messages and allows you to record your own personal message (see the previous option). You can select **User Message** only when you have recorded your own message.

Tones

You can use the Tones menu to customise various sound settings, such as the:

- Ringing tone or melody, volume and type
- Sounds made when you press a key, make an error or receive a message

Ring Tone

Menu 4-1

This option allows you to select the required ringing tone. You can choose between 30 different tones. Each time you select a tone, it is played for a few seconds. Three additional options correspond to the melodies that you can compose, using the **Melody Composer** menu option (4-2).

If your SIM card supports the ALS feature, this option also allows you to select a different ringing tone for each line, and thus distinguish incoming calls.

Melody Composer

Menu 4-2

This menu allows you to compose your own melody to be used as the ring tone.

- Three octaves are available.
- A maximum of 100 notes can be entered.
- You can adjust the length of the notes and add rests, as required.

Composing a Melody

You can compose three melodies.

1. When you access the menu, the names of any melodies created are displayed. Otherwise, **(Empty)** appears. Select the melody that you wish to create or edit.
2. Press the **Select** soft key and compose your melody using the following keys.

To...

Enter C, the first note in the musical scale

Enter D

Enter E

Enter F

Enter G

Enter A

Enter B

Move a note up or down one octave

Enter a rest

Delete notes

Move a note a semitone up or down

Then press the...

 key.

 key.

 key.


 key.

 key.

 key.

 key.

 key.

 key (press the key until the rest is of the required length).

 key.


▲ or ▼ key (for example, the note A changes to A#, B, C, C#, and so on in the scale each time you press the ▲ key).

To...

Change the length of a note

Listen to your melody
Cancel your changes

Then press the...

 key (the length will be changed each time you press the key).

Listen soft key.

 key.

- When you are satisfied with your melody, press the **Yes** soft key.


- Enter a title for the melody.

Note: For further details on how to enter characters, refer to page 42.

You are asked if the melody is to become the ring tone.

- To use the melody as the ring tone, press the **Yes** soft key.
The melody is saved and is played each time your phone rings. You can also select the melodies composed, via the **Ring Tone** menu option (4-1).

Deleting a Melody

- Select the melody that you wish to delete.
- Press and hold the  key for a few seconds. All notes are erased.
- Press the **Listen** soft key.
You are asked to confirm that you wish to delete the melody by pressing the **Yes** soft key.

Ring Volume

Menu 4-3

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

Alert Type

Menu 4-4


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 the **Ring Tone** menu option (4-1).

Vibration: the phone vibrates but does not ring.

Vibra+Melody: the phone both rings and vibrates.

Note: In idle mode, you can set the phone to vibrate only (silent mode) or to start ringing again, simply by holding down the  key.

Keypad Tone

Menu 4-5

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 4-6

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

The following options are available.

Single Beep: the phone beeps once.

SMS Tone1 ~ SMS Tone10: the phone uses an SMS tone. You are provided with ten SMS tones.

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

Error Tone

Menu 4-7

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 4-8

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 4-9

You can set your phone to beep when the person you are calling answers the phone.

The following options are available.

OFF: the phone does not beep.

ON: the phone beeps when your call is accepted.

Settings

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

Phone

Menu 5-1


Greeting Message

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...

Clear the existing message

Then press the...

 key and hold it down until the message is cleared.

Enter a new message

Appropriate alphanumeric keys.

For more information on how to enter characters, refer to page 42.

Own Number

Note: The contents of this menu may vary, depending on the SIM card.

You can enter your own name and number using this menu. If you have subscribed to the Alternate Line Service, you can select a line with the ▲ or ▼ key.


To edit your name and number, press the **Edit** soft key.

Language


You can set a different setting for the text language and voice language. When the language option is set to **Automatic**, the language is automatically selected according to the language of the SIM card used.


You can also set the default text input mode. For details on the text input modes available, refer to page 42.

Any-key Answer

Depending on the setting of the **Any-key Answer** option, you can answer an incoming call by pressing any key except the  key and the **Reject** soft key.

The following options are available.

OFF: you can only press the  key or the **Accept** soft key to answer the call.

ON: you can answer an incoming call by pressing any key except the  key and the **Reject** soft key.

Backlight

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.

OFF: the backlight is not used.

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

Long: the backlight comes on when you press a key or receive a call and switches off 20 seconds after the last key is pressed.

Service Light

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.

OFF: the service light is not used.

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

Auto Redial

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.

OFF: the number is not redialled.

ON: the number is redialled automatically.

Auto Answer

With the Auto Answer function, the phone automatically 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

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

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

The following options are available.

OFF: the voice dial and voice command mode must be activated manually.

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

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

Reset Settings

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

1. Select the **Reset Settings** menu option.
2. Enter the 4-digit phone password.

Note: The password is preset to 0000. To change this password, refer to page 99.

Active Line

Note: The SIM card may be used with two subscriber numbers (network service). This function is available only if your SIM card supports it.

This menu allows you to select the line to be used when making calls. However, calls can be answered on both lines, regardless of the line selected. When you select a line, the line number appears as an indicator after the operator/service provider name.

When you select the **Manual** option, you can choose a line whenever you access the call barring, diverting and waiting features; the active line is not displayed.

Network Services

Menu 5-2

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

Note: Some call divert options may not be shown if they are not supported by your network operator.

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

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

Call diverting can be set up in the following ways.

Divert Always: all calls are diverted.

Busy: calls are diverted 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.

Unavailable: calls are diverted if you are busy, do not answer or cannot be reached.

Cancel All: all call diverting options are cancelled.

Note: These options may be different, depending on the SIM card.

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

- Voice calls only
- Fax calls only (not available when line 2 is in use)
- Data calls only (not available when line 2 is in use)

Example: You can:

- Systematically divert fax calls to your office fax machine
- Divert voice calls to your colleague if you are already using the phone

To set your call diverting options, proceed as follows.

1. Select the type of call diverting required by pressing the ▲ or ▼ key until the appropriate option is highlighted, and then press **Select**.
2. Select the type of calls to be diverted by pressing the ▲ or ▼ key until the appropriate option is highlighted and then press **Select**.
3. Press the **Activate** soft key to confirm your settings.
4. Enter the number to which the calls are to be diverted.

To enter the international code, press the **0** key 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 all call diverting settings by selecting the **Cancel All** option.

Note: When all calls are diverted, one of the divert indicators below is displayed on the last line of the display with the flip cover closed.

Divert Line 1: all calls from line 1 are diverted.

Divert Line 2: all calls from line 2 are diverted.

Divert All: all calls from lines 1 and 2 are diverted.

Call Barring

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 the ▲ or ▼ key until the appropriate option is highlighted and then press the **Select** soft key.
2. Select the type of calls to be barred by pressing the ▲ or ▼ key until the appropriate option is highlighted and then press the **Select** soft key.
3. Press the **Activate** soft key to confirm your settings.

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

The phone sends your settings to the network and the network's acknowledgement 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 all call barring settings by selecting the **Cancel All** option.

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

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

Call Waiting

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 the ▲ or ▼ key until the appropriate option is highlighted and then press the **Select** soft key.
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 all call waiting settings by selecting the **Cancel All** option.

Network Selection

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 **Select** soft key.
2. Press the ▲ or ▼ 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 ▲ or ▼ 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 | ▲ or ▼ key. |
| Change an entry in the preferred list | ▲ or ▼ 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 ▲ or ▼ key until it is highlighted, followed by Select . | |
| The network is added to the list. | |

Line Identification

This option allows you to 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)

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 ▼ key.
Add a new CUG index	Options soft key, select Add and enter the index.
Delete a CUG index	▲ or ▼ key to select the index to be deleted, press the Options soft key and select Delete .

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.

Security

Menu 5-3

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 page 124).

PIN Check

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

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

To change your PIN, refer to the **Change PIN** menu option (5-3-2) on the next page.

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.

Change PIN

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

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 the **Change Password** menu option (5-3-4) below.

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

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

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

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 the **Change PIN2** menu option (5-3-7) below.

Change PIN2

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.

LCD

The LCD menu enables you to customise the LCD display.

Screen Mode

You can select the screen image to be displayed in idle mode when the flip cover is closed.

Normal Mode: the LCD displays <Service provider> and the current time and date.

Image Display: when the flip cover is closed, the LCD displays the image selected via the **Select Image** option. When the flip cover is open, the LCD displays the same information as on the normal screen.

Clock: when the flip cover is closed, the LCD displays an analogue clock.

Select Image

This option allows you to select the image to be displayed when you set the **Screen Mode** option to **Image Display**. You can select one of five images (Image 1 ~ 5).

LCD Contrast

This option allows you to adjust the contrast of the LCD screen. Press the ▲ key to increase or the ▼ key to decrease the contrast.

Select IDLE

This option allows you to select the IDLE type to be displayed, by pressing the ◀, ▶, ▼ or ▲ keys.

Select Clock

This option allows you to select the type of clock to be displayed in idle mode when the flip cover is closed.

Quick Menu

Menu 5-5

The navigation keys can also be used as shortcut keys. When pressed in idle mode, they allow you to access specific menu options directly.

1. Select the key to be used as a shortcut key:
 - UP (▲)
 - DOWN (▼)
 - RIGHT (▶)
 - LEFT (◀)
2. Select the menu option to be assigned to the key.
3. Press the **Select** soft key to save the setting.

WAP Browser

Menu 5-6

Note: This menu may not be shown, depending on your network service provider.

You can setup several proxies using the **Proxy Settings** menu option (5-6-1), and you can designate one as the current proxy, using the **Current Proxy** menu option (5-6-2). The following parameters must be set for each proxy; they may vary, depending on your service provider. Contact your service provider for further details.

Proxy Name: name of the proxy server.

WDP Address: IP address required to connect to the Internet.

Port Number: number of the port to be used to connect the gateway.

Home URL: URL of your home Web site.

Access Point

- NAS Phone Number: PPPserver phone number.
- Login Name: PPPserver login ID (may be optional).
- Password: PPP server password (may be optional).
- Network Type: V.32 Transparent, V.32 Non-Transparent, V.110 Transparent or V.110 Non-Transparent.

Service Colour

Menu 5-7

There are five colours available for the service light: normal (green), orange, red, violet and blue. You can scroll through these colours, by pressing the ▲ or ▼ key. Press the **Select** soft key to select the required colour.

Organiser

The Organiser feature enables you to:

- Write your schedule or to do list
- Calculate
- Check the calendar
- 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 6-1

The Scheduler helps you to keep track of reminders, calls that you need to make, meetings and birthdays. The phone alarm rings when the date set for a birthday, reminder or call is reached.

Note: Your phone must be switched on to use this function.

When you access the **Scheduler** menu, the following options are available.

Go to date: allows you to enter a particular date and schedule an event on that date.

View All: shows the events scheduled.

Delete All: deletes all scheduled events.

To schedule a new event, proceed as follows.

1. When the calendar is displayed, use the volume keys to select the month, the ▲ and ▼ keys to select the week, and the ◀ and ▶ keys to select a day. You can also use the **Go to date** menu option to specify the date.
2. Press the **OK** soft key.
3. Select a schedule type. Four types are available.
 - Reminder:** requires a description and the time.
 - Call:** requires a phone number and the time.
 - Meeting:** requires a description and the time.
 - Birthday:** requires a name and the time.
4. Enter the appropriate information, referring to page 42 for further details on how to enter text if necessary.
5. If you wish to set the alarm to ring on the scheduled date and time, select **Yes**. Otherwise, select **No**.
6. If you selected **Yes**, set the time for the alarm and press **OK**.

A check mark is displayed in front of the date in the calendar to indicate that an event has been scheduled. If you select such a date, you will see the contents. The following options are available:

Add: allows you to add new contents.

Delete: deletes the scheduled event.

Move: moves the scheduled event to a new date.

Copy: copies the scheduled event to a new date.

Delete Day: deletes all events scheduled on that date.

Alarm

Menu 6-2

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

The following alarms are available.

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

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.


The **Alarm Tone** option allows you to select a specific tone for the alarm.

To set the alarm, proceed as follows.

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

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

2. 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. Press the **OK** soft key.
4. Enter the required time, then press the **OK** soft key.
"Alarm Activated" is displayed.

The alarm icon () is displayed in the top line of the display. The LED flashes in white when the alarm rings. To stop the alarm when it rings, open the flip cover or press the **Exit** soft key.

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

Note: If no battery is attached to the phone, the battery is discharged or the phone is switched off when the alarm is to ring, the alarm does not ring.


Calculator


Menu 6-3


You can use the phone as a 9-digit calculator. The calculator provides the basic arithmetic functions: addition, subtraction, multiplication, division, percentages.

To use the calculator, proceed as follows.































1. Enter the first number using the number keys.
2. Press the **Operator** soft key until you find the appropriate arithmetic symbol: **+** (add), **-** (subtract), **x** (multiply), **/** (divide).
3. Enter the second number.
4. Repeat Steps 2 and 3 if necessary.


5. To calculate the result, press the **Equal** soft key or the  key.

To erase any mistakes or clear the display, press the  key.

To enter a decimal point, press the  key. It calculates down to the second decimal place.

Examples:


Expression	Key Sequence	Result
$12 \times 3 + 5 =$	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
$68 \times 25 =$	68x25  (or )	1700
$68 \times 40 =$	40  (or )	2720
$35 / 14 =$	35/14  (or )	2.5
$98 / 14 =$	98  (or )	7
10% of 200	200x10  	20
$10 = ? \% \text{ of } 100$	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

Note: When you have finished with the calculator, press the  key to return to the previous menu level.

To Do List



Menu 6-4

This feature allows you to:

- Draw up a list of tasks to be done
- Assign a priority and deadline to each task
- Sort the tasks by priority and status mark ( for task to be done, **3** for completed tasks)


Creating the To Do List

To create the To Do List, proceed as follows.

1. Press the **New** soft key.
2. Enter the task.
For further information on how to enter text, see page 42.
3. Press the **OK** soft key.
4. Select high or low priority using the  or  key and the **Select** soft key.
5. Enter your deadline.
6. Press the **Yes** soft key.

Editing the To Do List

If tasks are already defined in the To Do List when you select the **To Do List** menu option (**6-4**), the current contents are displayed with the associated status mark and priority.

To view the detailed contents of a task, press the **View** soft key. To change the status of a task, press the  key.

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

New: allows you to create a new task.

Mark: allows you to mark a task as completed.

Edit: allows you to edit an existing task.

Sort: allows you to sort the tasks by priority (high, low) or by status (done, undo).

Copy: copies a task.

Delete: deletes a task.

Delete All: deletes all tasks.

Calendar

Menu 6-5

You can view calendars for 1900 through to 2099. The following indication appears in the bottom right of the display:

xxxD/yyW

where xxx represents the number of the day in the year and yy represents the number of the week.

Example: 122D/18W

Use the ◀ or ▶ keys to change days, the ▲ or ▼ keys to change weeks and the volume keys to change months.

You can also change dates by selecting the **Goto** option.

World Time

Menu 6-6

You can use your phone to check the current time in 21 major cities around the world. Scroll through the cities using the navigation keys.

The screen shows the:

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

To select the time zone in which you are located, proceed as follows.

1. Select the city corresponding to your time zone by pressing the navigation keys one or more times.

The local date and time are displayed.

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

3. **To...**

Update the current date/time with this new setting

Indicate that the time zone is currently using the daylight saving time

Indicate that the time zone is no longer using the daylight saving time

Then press the...

Set Local soft key.

Set DST soft key. A check mark is shown next to the time difference.

Remove DST soft key (only available when the check mark is shown next to the time difference).

Clock

Menu 6-7

Using this option, you can set the current date and time.

Set Time

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 (6-6).

Set Date

The option allows you to change the date displayed. Enter the day, month and year, using the format specified in the option below.

Format

This option allows you to select the date format:

- DD/MM/YYYY (day, month, year)
- MM/DD/YYYY (month, day, year)

Games

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

Scroll to the chosen game and press the **Select** soft key.

The following options are available.

Play: allows you to start a game.

Configuration: allows you to adjust phone settings, such as the backlight and the sound.

To adjust each setting, highlight the **Backlight** or **Sound** option by pressing **▲** or **▼** and then toggle between **ON** and **OFF** by pressing the **On/Off** soft key.

Instructions: gives you an explanation of how to play the game.

You can page up or down with the **▲** or **▼** key.

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

To stop playing a game, press the **End Call** key.




If you record a high score for a given game, the phone displays the High Score screen when you finish the game.

WWW Services

You can use your phone as a Web Browser. You can obtain up-to-date news, weather, sport, and other information as well as use e-mail and other Internet services.


Please contact your service provider to open your Internet account. To use the Web Browser, you must indicate your phone number via the **Own Number** menu option (5-1-2).

Launching the Browser

To launch the browser from the idle mode, press the  key on the right side of the display, or press the **Menu** soft key, followed by the  and  keys.

Once connected, the homepage (or the last page visited) is displayed. The content depends on the service provider.



Exiting the Browser

To exit the browser at any time, press the  key. The idle screen is displayed.

Using Local Bookmarks

You can store the addresses of up to five Internet sites for easy access using the Bookmark feature.

To access the Bookmark feature, proceed as follows.

1. In idle mode, press the **Menu** soft key.
2. Press  for **WWW Services**.
3. Press  for **Bookmark**.
4. Highlight the required bookmark using the **▲** or **▼** key and press the **Select** soft key.
5. Press the **Options** soft key.

Three options are available.

Edit: allows you to create or edit a local bookmark.

1. Enter the required title (up to 14 characters).
2. Press the **OK** soft key.
3. Enter the URL address (up to 128 characters).
4. Press the **OK** soft key.



Go: allows you to open the selected page.

Delete: allows you to delete the selected bookmark.

Opening a Page Directly

You can open any WWW page by entering its URL address.

To enter the URL address directly, proceed as follows.

1. In idle mode, press the **Menu** soft key.
2. Press  for **WWW Services**.
3. Press  for **Goto**.
4. Enter the URL address and press the **Go** soft key.

Navigating with the WAP Browser

You can surf the Internet using either the phone keys or the WAP Browser menu.

Using the Phone Keys

When surfing the Internet, the phone keys function differently from the phone mode.


To...

Scroll each line of the content area


Then press the...

▲ or ▼ key.

Return to the previous page

 key (except on the homepage).


Return to the startup homepage

 key and hold it down anywhere.

Using the WAP Browser Menu

There are various menu options available when surfing the wireless web.

To access the WAP Browser menu, proceed as follows.

1. Press the  key.
A list of menus appears.
2. Highlight the required option using the ▲ or ▼ key.
3. Press the **OK** soft key to select the option.
4. If necessary, select the secondary option by pressing the ▲ or ▼ key, followed by **OK**.

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

The following options are available.

Reload: reloads the current page.

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

Bookmarks: allows you to load a bookmarked Web page directly.

Mark Site: adds the current page to your bookmark list.

About Phone.com: shows the version of the WAP Browser.

Advanced...: gives you access to the following advanced features. Some features may not be supported by your network operator.

Show URL: shows the URL of the current page.

HomePage: moves to the homepage.

Offline Services: allows you to copy and save Web pages, so that you can view them even if the network is down.


Outbox: stores outgoing requests from the browser so that they can be processed at a later date.

Restart Up. Browser: clears the cache memory and displays the homepage.

Encryption: allows you to check and generate the security key required to contact a server.


Entering Text, Numbers, or Symbols

When you are prompted to enter text, the current text entry mode appears above the right soft key: abc/Abc/ABC, NUM or SYM 1 ~ 4. To change modes, press the right soft key until the required mode is displayed.


abc/Abc/ABC: allows you to enter lower-case and upper-case letters. You can switch between lower- and upper-case letters by pressing the  key.

SYM1 ~ 4: allows you to enter various symbols and punctuation marks. To view more symbols, press the **More** soft key.

NUM: allows you to enter numbers.

If you wish to edit text, move the cursor to the required position, using the ◀, ▶, ▲ or ▼ keys, and clear the wrong letter by pressing the  key. Then enter the correct letter.

Network Connection Information

To check the network connection time, press and hold down the  key. You can see the connection time on the last line of the content area. The linger time is one or more minutes (depending on your service provider). Consequently, if you do not use the browser for one or more minutes, the network is disconnected automatically. In this case, you can see that the connection time is stopped at that point.

The connection time is reset whenever you exit the browser.

Additional Services

ALS (Alternate Line Service)

Note: Please contact your service provider to check the availability of this feature and how to subscribe to it.

The ALS feature enables two lines to be associated with one SIM card. Consequently, you can make and receive calls on either line as required. If you subscribe to this network service, a few additional menu options enable you to set up this feature.

1. Selecting a Line

With the **Active Line** menu option (**5-1-#**), you can set a line to be used automatically when you make a call or you can select the line manually for each call. For further details, refer to page 87.

2. Editing the Line Name

You can edit the name of each line via the **Own Number** menu option (**5-1-2**).

When you edit the name of a line, the name is displayed, whenever necessary, instead of "Line 1" or "Line 2". For further details, refer to page 83.

3. Setting the Ring Type

To distinguish between incoming calls on the two lines, you can select a different ring type for each line with the **Ring Tone** menu option (4-1). See page 76 for further details.

4. Setting Call Diverting Options

You can set up call diverting options for each line, via the **Call Diverting** menu option (5-2-1). This service enables you to divert calls received on a given line to the number specified. See page 88 for further details.



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.
- The phone requires a 3 V SIM card. Please contact your service provider if you experience any problems.

Phone Locked

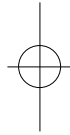
- The automatic locking function has been enabled. You must enter the phone's password before you can use the phone.

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 has been 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 dialed

- 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 with a charged one 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 moving the phone slightly or moving closer to a window if you are in a building.

No number is dialed 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.

Reference Information

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.

The access codes (except for the PUK and PUK2 codes) can be changed using **Security** menu options. See page 98 for further details.

Phone Password

The phone password can be set to avoid unauthorised use of your phone. The password generally supplied with the phone is 0000. You are recommended to change it before you start using your phone. Keep the new password secret and in a safe place, separate from the phone.

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

PIN

The PIN (Personal Identification Number) protects your SIM card against unauthorised use. The PIN is usually supplied with the SIM card. When the PIN Check feature is enabled (menu option **5-3-1**), the PIN is needed each time the phone is switched on.

If you key in an incorrect PIN three times in succession, key in the PUK and press **OK**. Key in a new PIN and press **OK**. Key in the new PIN again and press **OK**.

PIN2

The PIN2, supplied with some SIM cards, is required to access specific functions, such as call cost counters. These functions are only available if supported by your SIM card.

If you key in an incorrect PIN2 three times in succession, key in the PUK2 and press **OK**. Key in a new PIN2 and press **OK**. Key in the new PIN2 again and press **OK**.

PUK

The PUK (Personal Unblocking Key) is required to change a blocked PIN. The PUK may be supplied with the SIM card. If not, contact your local service provider.

If you key in an incorrect PUK ten times in succession, the SIM card cannot be used anymore. Contact your service provider for a new card.

You cannot change the PUK. If you lose it, contact your service provider.

PUK2

The PUK2, supplied with some SIM cards, is required to change a blocked PIN2.

If you key in an incorrect PUK2 ten times in succession, you cannot use the functions requiring the PIN2. Contact your service provider for a new card.

You cannot change the PUK2. If you lose it, contact your service provider.

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 92 for further details.

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):

- Slim battery
- Standard 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 you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuit.
- Dispose of used batteries in accordance with local regulations. Always recycle. Do not dispose of batteries in a fire.

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 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 doctor 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.
- The effect of the GSM transmit/duty cycle on hearing aids and pacemakers is being investigated, and there is potential hazard associated with use close to such personal medical electronic devices.
- 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 aircraft. The use of cellular phones in 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 communications (medical emergencies for example).

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

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 use the voice dial or voice command features, simply by opening the phone.

ALS (Alternate Line Service)

Capability of associating two alternate lines with one SIM card. You can make and receive calls on either line as required.

Call Barring

Ability to restrict outgoing and incoming calls.

Call Diverting

Ability to reroute calls to another number.

Call Holding

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

Call Waiting

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



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

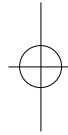
Service allowing subscribers to view or block the telephone numbers of callers.

Multiparty Calling

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

Phone Password

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



PIN (Personal Identification Number)

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

PUK (PIN Unblocking Key)

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

Roaming

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

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  and  on the phone, the purpose of which:

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

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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SGH-N300 GSM Telephone
Quick Reference Card

- | | |
|--|--|
| How to Access the Menu Function | <ol style="list-style-type: none"> ① Press the Menu soft key. ② Scroll through the list of menus using ▼ or ▲ until you reach the required menu. ③ Press the Select soft key. ④ Scroll with the ▼ or ▲ key through the list of setting options until the required option is selected. ⑤ Press the Select soft key to enter the menu. |
| Switch On/Off | <p>Press and hold .</p> <p><i>(Direct Call)</i></p> <ol style="list-style-type: none"> ① Key in the number. ② Press . <p><i>(Voice Dial)</i></p> <p>Provided that the name is recorded and the Active Flip menu option (5-1-0) is set to Voice Dial</p> <ol style="list-style-type: none"> ① Open the flip cover. ② Say the name. |
| Make a Call | <p>Briefly press .</p> |
| End a Call | |

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

Declaration of Conformity (R&TTE)

For the following product :

Dual GSM Telephone

(Product name)

SGH-N300 (with Hands Free Kit)

(Model Number)

Manufactured at :

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

- Samsung Electronics Iberia, S.A. Pol. Ind. Riera de Caldes, Via Augusta, n-10

08184 Palau de Plegamans, Barcelona, Espana

(factory name, address)

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

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

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

The technical documentation kept at :

Samsung Electronics Euro QA Lab.

which will be made available upon request.
(Manufacturer)

Samsung Electronics Co.,Ltd.
Suwon P.O.Box 105
Kyungki-Do, Korea 440-600
2001.01.27

(place and date of issue)

JUNGKWAN CHOI / S. Manager

(name and signature of authorized person)

(Representative in the EU)

Samsung Electronics Euro QA Lab.
Blackbushe Business Park, Saxony Way,
Yateley, Hampshire, GU36 6GG, UK
2001.01.26

(place and date of issue)

In-Seop Lee / Manager

(name and signature of authorized person)

<p>Answer a Call</p> <p>Open the flip cover or Press .</p>	<p>Search for a Name in the PhoneBook</p> <p>① Press the PhoneBook soft key. ② Enter the start of the name.</p>	<p>③ Press the Find soft key. ④ To scroll through the names, press the ▲ or ▼ key.</p>
<p>Adjust the Volume</p> <p>Press or on the left side of the phone.</p>		<p>⑤ To make a call, press or press the View soft key.</p>
<p>Store Numbers in the Phonebook</p> <p>① Type in the number. ② Press the Save soft key. ③ Enter the name. ④ Press the Save soft key. ⑤ If necessary, change the location. ⑥ Press the OK soft key.</p>	<p>Record a Name for Voice Dialling</p>	<p>① Find the required name. ② Press the Options soft key. ③ Select the Voice Record menu. ④ Record the name and follow the instructions.</p>