



DUAL GSM TELEPHONE SGH-2400

OWNER'S MANUAL



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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 100.

Road safety comes first

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

Switch off when refuelling

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

Switch off in aircraft

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

Respect special regulations

Follow any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger (in a hospital for example).

Interference

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



Qualified service

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

Use sensibly

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

Emergency calls

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

IMPORTANT! Use only SAMSUNG-approved accessories. This phone is intended for use with a SAMSUNG-approved:

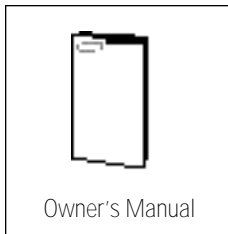
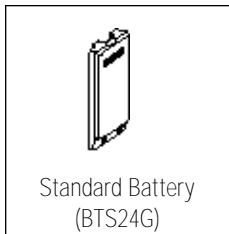
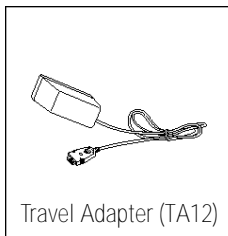
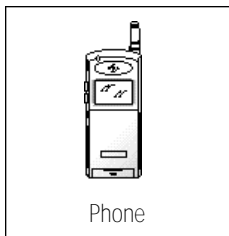
- Travel adapter (TA12)
- Desktop charger (DTC240G)
- Cigarette lighter adapter (CLA12)

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

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

Unpacking

Your package contains the following items.



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

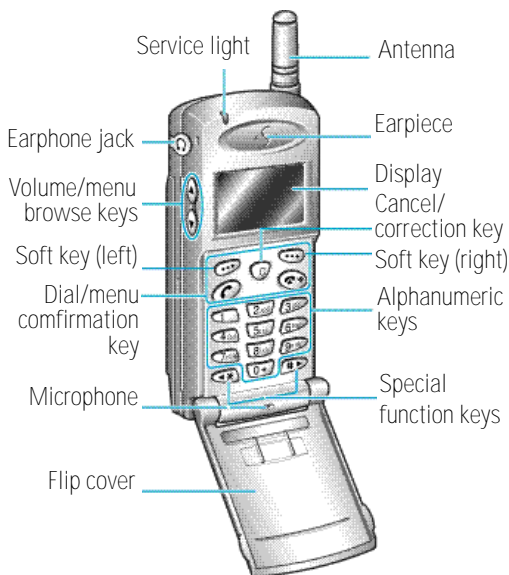
- Desktop charger (DTC240G)
- Cigarette lighter adapter (CLA12)
- Hands-free car kit (HFK240)
- Slim, Standard, Extended and Ultra Extended batteries (BTI24G, BTS24G, BTE24G, BTL24G)
- Data kit (PCD9632)
- Earphone (EP210); depending on the country, may be supplied in the standard package











Your Phone

Phone Layout

The following illustration shows the main elements of your phone.

Front

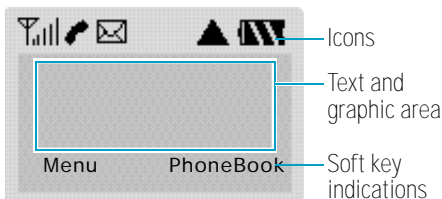


Key	Description
 (soft keys)	Perform the functions indicated by the text above them (in the bottom line of the display).
	Deletes characters from the display. <i>In the menu facility</i> , returns to the previous menu level.
	Makes or answers a call. <i>In idle mode</i> , recalls the last number dialled. <i>In the menu facility</i> , 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. <i>In the menu facility</i> , returns to the idle mode and cancels your input.
 	Enters numbers, letters and some special characters.
 	Enters special dial characters.
 	(on the side of the phone) <i>During a call</i> , adjusts the earpiece volume. <i>In idle mode with the flip cover closed</i> , if you hold down the up key, the alert type quickly switches to the vibration mode, with the flip cover open, the keys adjust the key tone volume. <i>In the menu facility</i> , scrolls through the menu options and phonebook memory.

Display

Display Layout

The display comprises three areas.



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

Icons

Icon	Description
	Shows the received signal strength. The greater the number of bars, the better the signal strength.
	Appears when a call is in progress.
	Appears when a new text message has been received.
	Appears when you are out of your home area and have registered with a different network (when travelling in other countries, for example).
	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 press any key, the backlight illuminates. It turns off if no key is pressed within a given period of time, depending on the **Backlight** option set in the **Phone Settings** menu. The backlight remains on at all times when the phone is connected to a car kit (optional).

To specify the length of time for which the backlight is active, set the **Backlight** menu option (**6-5**); see page 76 for further details.

Service Light

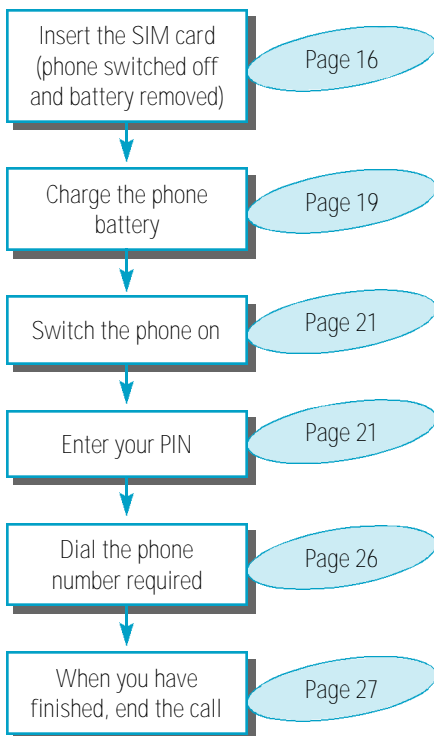
The service light is in the top left-hand corner of the phone. It flashes when services are available on the phone.

To activate or deactivate use of the service light, set the **Service Light** menu option (**6-6**); see page 76 for further details.

Getting Started

Your First Call

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




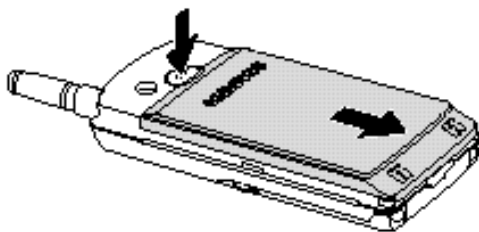
Installing the SIM Card

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

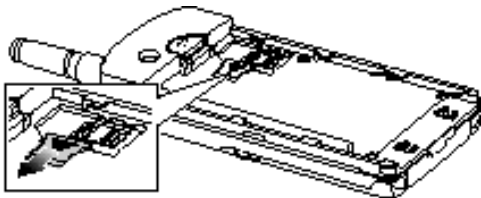
Important! The plug-in SIM card and its contacts can be easily damaged by scratches or bending, so be careful when handling, inserting or removing the card.

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

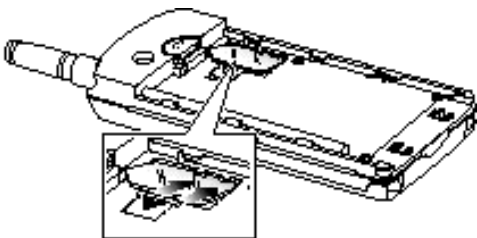
1. If necessary, switch off the phone by holding down the  key until the **Good bye** message is displayed.
2. Remove the battery. To do so, push and hold down the catch above the battery on the back of the phone, and slide the battery down the phone. Then lift the battery away.



3. Squeeze the holder and lift it up.

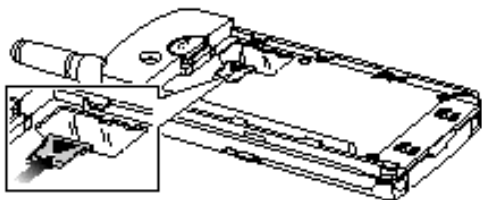


4. Insert the SIM card ensuring that the cut corner is top left and the gold contacts of the card face into the phone.

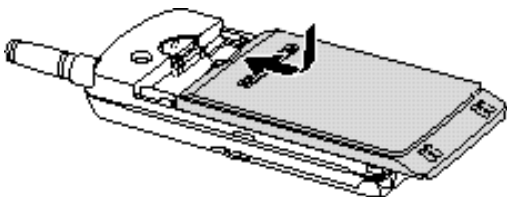


Getting Started

5. Hold the SIM card in position and push the holder back to lock the SIM card into place.



6. Place the battery back on the phone. Slide the battery up until it locks into place.



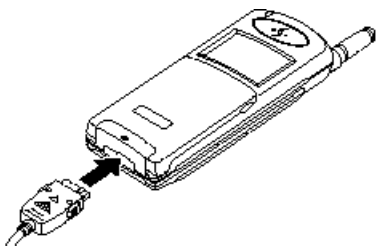
Charging a Battery

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 battery is fully recharged in approximately 90minutes.

1. 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.

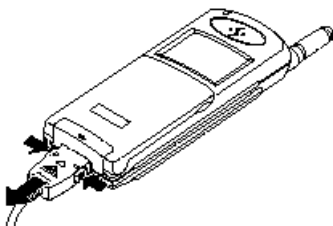


2. Connect the adapter to a standard AC wall outlet.

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

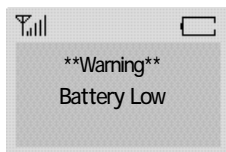
3. When charging is finished, disconnect the adapter from the power outlet.

Disconnect the adapter from the phone by pressing the grey tabs on either side 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, it switches off automatically.

Switching the Phone On/Off

1. Open the flip cover.
2. Hold down the  key for more than one second to switch the phone on.
3. If the phone asks for a password, key in the password and press the **OK** soft key. The password is factory set to 0000. For further details, see page 22.
4. If the phone asks for a PIN, key in the PIN and press the **OK** soft key. For further details, see page 23.
The idle screen, illustrated below, is displayed.



Note: The display language is determined by the SIM card inserted. To change the language, use the **Language** menu option (6-3); for further details, refer to page 75.

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

Access Codes

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

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

The access codes (except for the PUK and PUK2 codes) can be changed using Security menu options. See page 82 for further details.

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

Phone Password

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

To...	Refer to page...
Activate/deactivate the Phone Lock feature	83 (menu option 8-3).
Change the phone password	84 (menu option 8-4).

PIN

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

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

To...	Refer to page...
Activate/deactivate the PIN Check feature	82 (menu option 8-1).
Change the PIN	83 (menu option 8-2).

PUK

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

To re-enable your PIN, proceed as follows.

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

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

PIN2

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

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

To change the PIN2, refer to page 85 (menu option **8-7**).

PUK2

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

To re-enable your PIN2, proceed as follows.

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

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

Barring Password

The 4-digit barring password is required when you use the Call Barring function. You obtain the password from your service provider when you subscribe to this function. See page 88 for further details.

Using the Earphone

Note: The earphone may be an option in some countries. If you wish to purchase one, contact your local SAMSUNG dealer.


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

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




General Functions

Making a Call

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

Note: If you have set the **Auto Redial** option (6-7) to **ON** (see page 77) and the person called does not answer or is already on the phone, the number is redialled automatically up to ten times.

International Calls

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

Correcting the Number

To clear...


The last digit displayed

Any other digit in the number

The whole display


Then...

Press the **C** key.

Press the  soft key until the cursor (I) is immediately to the right of the digit to be cleared. Press the **C** key.

Hold down the **C** key for more than one second.

Ending a Call

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

Making a Call from the Phonebook


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





Voice Dialling

If you have set the **Active Flip** option (6-0) to **ON** (see page 78), your phone also allows you to say a name when you open the flip cover. It then automatically dials the number stored with the name. For further details on the Voice Dialling feature, refer to page 42.



Last Number Redial

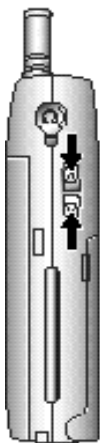
The phone stores the last 10 numbers dialled. To recall any of these numbers, proceed as follows.

1. If there are any characters on the display, clear the display by holding down the **C** key for more than one second.
2. Hold down  to display the last number dialled.

3. Use the  soft key (or  or  on the left side of the phone) to scroll through the numbers until the required number is displayed.
4. Press  to dial the number displayed.

Adjusting the Volume

During a call, if you want to adjust the earpiece volume, use the volume keys on the left side of the phone. Press  to increase and  to decrease the volume.



In idle mode with the flip cover open, you can adjust the key tone volume using the same keys.

Answering a Call

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



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

1. If necessary, open the flip cover.

Press or the **Accept** soft key. If the **Any-key Answer** menu option (6-4) is set to **ON**, you can press any key to answer a call except for and the **Reject** soft key (see page 75).

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

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

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

Viewing Missed Calls

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

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

To view the missed call immediately, proceed as follows.

1. **If the flip cover is... Then...**

Closed

Open the flip cover.

Open

Press the **View** soft key.

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

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

Scroll through the missed calls

 soft key.


Call the number displayed


 key.

Edit or delete a missed call number


Options soft key (see the following paragraphs).


Editing a Missed Call Number

1. Press the **Options** soft key.
2. Press the **Select** soft key.
3. Change the number as required. Press the  soft key to move back through the number.
4. **To...** **Then press the...**

Call the number	 key.
Store the number	Save soft key and enter the name and location required (for further details, refer to page36).

Deleting a Missed Call

1. Press the **Options** soft key.
2. Press the  soft key to highlight the **Delete** option.
3. Press the **Select** soft key.

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

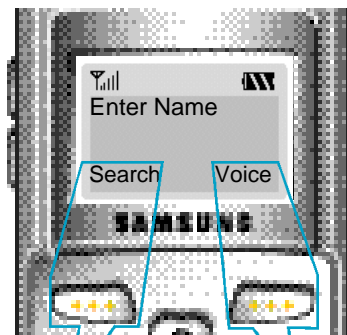
Note: You can access the Missed Call feature at any time by selecting the **Missed Calls** menu option (2-1); for further details, see page 60.

Selecting Functions and Options

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

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

Example:



Press the left soft key to search for a name in the phonebook.

Press the right soft key to access the Voice Dialling 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

Left soft key.

View the next function
or highlight the next
option in a list

Right soft key or the
▼ key on the left
side of the phone.

Move back to the
previous function
or option in a list

▲ key on the left
side of the phone.

Move back up one
level in the structure

C key.

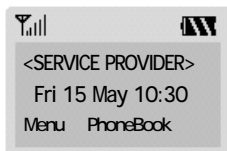
Exit the structure
without changing
the settings

 key.

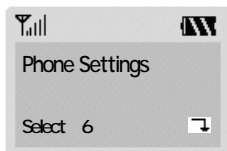
In some functions, you may be asked for a password or PIN. Enter the required code and press .

Example: Setting the Text Language

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



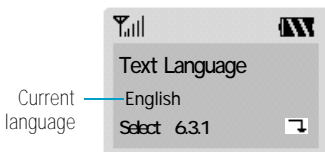
2. Scroll through the menus until you reach the **Phone Settings** menu, by pressing the **↵** soft key (or the **▼** or **▲** keys on the left side of the phone).



3. To select the **Phone Settings** menu, press the **Select** soft key or **↵**.



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



- To view the languages available, press the **Select** soft key or ⏎. The current setting is highlighted within square brackets.



- Scroll through the list of languages until the appropriate one is highlighted, by pressing the ↵ soft key (or the ▼ or ▲ keys on the left side of the phone).
- Press the **Select** soft key to confirm your selection.
- Press the **C** key three times to exit the menu structure.

Phonebook

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

Storing a Phone Number with a Name

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

1. Key in the number to be stored.
2. When you are sure that it is correct, press the **Save** soft key.

Notes:

- If you make a mistake while entering a number, correct it using the **C** key. For further details, refer to page 26.
 - To insert a dialling pause for special phone services, such as banking by phone, hold down the ***** key. 'P' is displayed to indicate the pause.
3. Enter the corresponding name (the maximum length depends on your SIM card). For information on how to enter a name, see opposite.
 4. When you are satisfied, press the **OK** soft key. The phone now displays the first free location in the SIM card for you to save the number and name. If the card memory is full, the first free location in the phone memory is displayed.

- Press the right soft key to toggle between the phone (**To Phone**) and card (**To Card**) memories.
- If you do not want to save the number and name in the suggested location, press **C** to clear the location number and enter your preferred location by pressing the number keys.
- Press **OK** to store the name and number.

Entering a Name

- Press the key labelled with the required letter:
 - Once for the first letter
 - Twice for the second letter
 - And so on

List of characters available:

Key	Characters in the Order Displayed	
	Upper Case	Lower Case
1	Space . 1 ! ? & j j \$	Space % 1 @ _ £ \$ ¥ ¤
2	A B C 2 Ä Å Æ Ç	a b c 2 à ä å æ
3	D E F 3 É	d e f 3 è é
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 Ø Ö	m n o 6 ñ ø ò ö
7	P Q R S 7	p q r s 7 ß
8	T U V 8 Ü	t u v 8 ù ü
9	W X Y Z 9	w x y z 9
0	0 , : ; ' " / =	0 - + () * # < >

2. To switch between upper case and lower case characters, press the **Case** soft key. All subsequent letters will appear in the selected case until the **Case** soft key is pressed again.
3. Select the other letters in the same way.

Note: The cursor moves to the right when you press a different key. When entering the same letter twice (or a different letter on the same key), just wait for a few seconds for the cursor to move right automatically, and then select the next letter. You can also move the cursor by using the * (◀) and # (▶) keys. To delete letters, press the **C** key.

Searching for and Dialling a Number in the Phonebook

1. When the idle screen is displayed, press the **PhoneBook** soft key. You are asked to enter a name.
2. Enter the start of the name that you want to find and press the **Search** soft key.

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

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

3. **To...**


View the highlighted entry

Select a different entry


Look for a name starting with a different letter

Then press the...

View soft key.

 soft key (or the ▼ or ▲ keys on the left side of the phone) one or more times until the required entry is highlighted.

Key labelled with the required letter.

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

Phonebook Options

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

Accessing the Options

To access the various phonebook options, proceed as follows.

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

The first available option is highlighted.

2. **To...**

Select the highlighted option

Highlight a different option

Then press the...

Select soft key.

↵ soft key (or the ▼ or ▲ keys on the left side of the phone) one or more times until the required option is highlighted.

Voice Record

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

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

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

Play Voice

This option plays back the names that you have recorded.

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

Voice Delete


This option allows you to delete a specific voice entry.

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

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

Paste

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

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

Edit

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

Erase

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

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

Copy

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

Voice Dialling

You can access the **Voice** menu options described in the following paragraphs, by pressing the **Phonebook** soft key, followed by the **Voice** soft key.

Accessing the Options

To access the various voice dial options, proceed as follows.

To...

Select the highlighted option

Highlight a different option

Then press the...

Select soft key.

↵ soft key (or the ▼ or ▲ keys on the left side of the phone) one or more times until the required option is highlighted.

Record

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

Voice Dial

This option allows you to initiate a voice dial. Pronounce the required name as clearly as possible. You are asked to repeat the name a second time and then the associated number is dialled.

Delete One

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

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

To be deleted

OK soft key.

Notto be deleted

 soft key.

The next name is displayed.

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

Play All

This option allows you to play back all recorded names.

Delete All

This option allows you to delete all voice dial information stored. The phone numbers remain in the phonebook but the voice recordings are deleted. Press the **OK** soft key when the following message is displayed:



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

In-Call Options


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

Switching the Microphone Off (Mute)

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


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

To switch the microphone off temporarily, proceed as follows.

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

Your correspondent can no longer hear you.


To switch the microphone back on, proceed as follows.

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

Your correspondent can hear you again.

Searching for a Number in the Phonebook

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

1. Press the **Options** soft key.
2. Press the  soft key to highlight the **Phonebook** option.
3. Press the **OK** soft key.
4. Enter the start of the name that you want to find and press the **Search** soft key.

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

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

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


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

Putting a Call on Hold

You can place the current call on hold whenever you want. You can make another call while you have a call in progress if this service is supported by the network. Of these two calls, one is active and the other is on hold and you can swap between the calls.

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

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


1. Key in the phone number that you wish to dial or look it up in the phonebook.
2. Press  to dial the second call.
The first call is automatically put on hold.

Or alternatively, proceed as follows.

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

To swap between the two calls, simply press the **Swap** soft key.


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

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

Answering a Second Call

You can answer an incoming call while you have a call in progress, if this service is supported by the network and if you have set the **Call Waiting** menu option (9-3) to **Active** (see page 90). You will be notified of an incoming call by a call waiting tone.

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

1. Press  to answer the incoming call.
The first call is automatically put on hold.
2. If you want to switch between the two calls, press the **Swap** soft key.

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

3. To end the current call, press .

Making a Multiparty Call

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





Setting up the Multiparty Call

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






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

Having a Private Conversation With One Participant

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

2. Highlight the required person, by pressing the  soft key (or the  and  keys on the side of the phone), followed by .
3. Select **Private**.
Now you can talk privately with that person. The other participants can continue to converse with each other.
4. To return to the multiparty call, press the **Options** soft key and select **Join**.
All the multiparty call participants can now hear each other.

Dropping One Participant

1. Press the **Options** soft key and choose the **Select one** option.
The list of call participants appears.
2. Highlight the required person, by pressing the  soft key (or the  and  keys on the left side of the phone), followed by .
3. Select **Remove**.
The call is ended with that participant, but you can continue to talk with the other participants.
4. End the multiparty call by closing the flip cover or pressing .

Muting/Sending Key Tones

These options allow you to turn the key tones off or on.

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

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

Using the SMS Service

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

After you have finished your call, you can read to the message; refer to page 63 for further details.

Using the Menus

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

Using the Soft Keys

The two soft keys are used as follows.

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

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

Example: Connecting to your Voice Mail.

1. Press the **Menu** soft key.
2. Select the **Quick Access** option by pressing the **Select** soft key.
3. Confirm that you wish to connect to your Voice Mail by pressing the **OK** soft key.

You are automatically connected to your Voice Mail.

For a more detailed description of the Voice Mail feature, refer to page 58.

Using the Index System

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

Example: Connecting to your Voice Mail.

1. Press the **Menu** soft key.
2. Enter **11**.

You are automatically connected to your Voice Mail.

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

Menu Map

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

- Number assigned to each option
- Page on which you can find a description of each feature

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

1. Quick Access

- 1-1 Connect to Voice Mail
- 1-2 Voice Server Number
- 1-3 Service Directory

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2. Call Records

- 2-1 Missed Calls
- 2-2 Received Calls
- 2-3 Dialed Calls
- 2-4 Call Time
 - 2-4-1 Last Call Time
 - 2-4-2 Total Sent
 - 2-4-3 Total Received
 - 2-4-4 Reset Timers
- 2-5 Call Cost
 - 2-5-1 Last Call Cost
 - 2-5-2 Total Cost
 - 2-5-3 Max Cost
 - 2-5-4 Reset Counters
 - 2-5-5 Set Max Cost
 - 2-5-6 Price/Unit

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3. Text Messages

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

4. Voice Memo

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- 4-1 Voice Memo Record
- 4-2 Voice Memo Replay
- 4-3 Voice Memo Delete One
- 4-4 Voice Memo Delete All

5. Sound Settings

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

6. Phone Settings

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

7. Clock Settings

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- 7-1 Set Time
- 7-2 Set Date
- 7-3 Alarm
- 7-4 World Time

8. Security

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- 8-1 PIN Check
- 8-2 Change PIN
- 8-3 Phone Lock
- 8-4 Change Password
- 8-5 SIM Lock
- 8-6 FDN Mode
- 8-7 Change PIN2

9. Network Services

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

Quick Access

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

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

Connect to Voice Mail

Menu 1-1

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

Voice Server Number

Menu 1-2

You can change the voice mail server number.

To...

Enter the server number

Recall a number in the phonebook

Correct a digit

Then press the...

Corresponding number keys.

PhoneBook soft key.

C key.

To...

Move the cursor to the left without clearing the digit

Then press the...

← soft key.

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

Service Directory

Menu 1-3

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

Call Records

Via this menu, you can view the phone calls:

- Missed
- Received
- Made

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

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

Missed Calls

Menu 2-1

This option lets you view the last 10 unanswered calls. You can also:

- Edit the number if available and dial it or save it in the phonebook
- Delete the number from the list

Received Calls

Menu 2-2

This option lets you view the last 10 phone calls received. You can also:

- Edit the number if available and dial it or save it in the phonebook
- Delete the number from the list

Dialled Calls

Menu 2-3

This option lets you view the last 10 numbers dialled.

You can also:

- Edit the number and save it in the phonebook
- Redial the number
- Delete the number from the list

Call Time

Menu 2-4

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

Last Call Time: length of the last call.

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

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

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

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

Call Cost

Menu 2-5

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

Last Call Cost: cost of the last call made.

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

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


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

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

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

Text Messages

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

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

Read Messages



Menu 3-1

When the **Read Messages** option is selected, the header of the first message is displayed:

- Message number
- Message status (New, Old, Not Sent, Sent)

To view this message, press the **View** soft key. The screen shows the:

- Sender's phone number (if sent with the message)
- Date and time at which the message was received
- Message text

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

Text Messages

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

Text Reply: allows you to reply by sending a text message. You can also:

- Change the SMS centre number (if required)
- Send the message
- Save and send the message
- Save but not send the message

Call back: allows you to call the sender back.

Delete: allows you to delete obsolete messages.

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

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

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

Note: The options available vary, depending on the message status (New/Old, Not Sent, Sent).

Write Messages

Menu 3-2

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

Note: For further information on how to enter the characters in your message, refer to page 37.

After you complete the message, you can select the following options.

Send Only: allows you to:


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

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

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

Preset Message List

Menu 3-3

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

The following options are available.

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

Note: For further information on how to enter the characters in your message, refer to page 37.

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

Delete: allows you to delete the selected preset message.

Setup

Menu 3-4

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

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

Default Type: allows you to set the default message type (Text, Voice, Fax, X.400, Email, and ERMES). The network can convert the message into the selected format.

Default Validity: allows you to set the default time period for which your messages are stored in the SMS centre while attempts are made to deliver them.

Possible values are one hour, six hours, 24 hours, one week and the maximum authorised by your service provider.

Broadcast

Menu 3-5

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

- The phone is in the idle mode
- The **Receive** option is set to **Enable**
- The message channel is currently active in the channel list

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

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

The following options are available.

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

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

Channel List: lists all available channels. The channels currently selected are indicated by an asterisk (*) beside the name. When you select one of them, you can edit, enable (or disable) or delete the channel.

The **Enter Channel** option allows you to add a new channel to the channel list. Enter the appropriate channel ID obtained from your service provider, and a title for the channel.

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

Voice Memo

You can use the Voice Memo feature to:

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

Voice Memo Record

Menu 4-1

This option allows you to record a memo. The screen displays the:

- Memo location
- Date and time when the memo is recorded
- Recording time counter

The maximum recording time is about 35 seconds.

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

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

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

Voice Memo Replay

Menu 4-2

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...**Then press the...**

Skip to the next memo

Skip soft key.

Stop the playback

Stop soft key.

Voice Memo Delete One

Menu 4-3

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

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

Delete the memo being played

Delete soft key.

Skip to the next memo

Next soft key.

Voice Memo Delete All

Menu 4-4

This option allows you to delete all memos. Press the **OK** soft key to confirm.

Sound Settings

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

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

Ring Tone

Menu 5-1

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

Ring Volume

Menu 5-2

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

Alert Type

Menu 5-3

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

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

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

Vibration: the phone vibrates but does not ring.

Vibra+Melody: the phone both rings and vibrates.

If you hold down the ▲ key on the left side of the phone when the phone is in the idle mode, the alert type (except for vibration) set via this option quickly switches to the vibration mode. If the vibration mode is already set, it switches to the melody mode. To select other alert types, set the appropriate option.

Keypad Tone

Menu 5-4

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

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

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

OFF: the keys do not make any sound.

Message Tone

Menu 5-5

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

Single Tone: the phone beeps once.

Periodic: the phone beeps at regular intervals.

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

Error Tone

Menu 5-6

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

ON: the phone beeps to indicate an invalid entry.

OFF: the phone does not beep.

Minute Minder

Menu 5-7

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.

ON: the phone beeps every minute.

OFF: the phone does not beep.

Connect Tone

Menu 5-8

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

ON: the phone beeps when your call is accepted.

OFF: the phone does not beep.

Phone Settings

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

Greeting Message

Menu 6-1

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

To...

Clear the existing message

Enter a new message

Change from upper case to lower case characters and vice versa

Then press the...

C key and hold it down until the message is cleared.

Appropriate alphanumeric keys.

Case soft key.

For more information on entering characters, refer to page 37.

Own Number

Menu 6-2

This menu displays your phone number and allows you to edit it.

To...

Enter the international prefix (+)

Correct a digit

Clear the whole number

Move the cursor left without clearing the digits

Move the cursor right

Then press the...

0 key and hold it down until the + is displayed.

C key.

C key and hold it down until the number is cleared.



← soft key.

▼ key on the left of the phone.

Language*Menu 6-3*


You can select a different setting for the text language (option **6-3-1**) and voice language (option **6-3-2**). When the language option is set to **Automatic**, the language is automatically selected according to the language of the SIM card used.

Any-key Answer*Menu 6-4*

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

The following options are available.

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

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

Backlight

Menu 6-5

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

Short: the backlight comes on when you press a key or receive a call and switches off 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.

OFF: the backlight is not used.

Service Light

Menu 6-6

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

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

OFF: the service light is not used.

Auto Redial

Menu 6-7

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

Note: The interval between two call attempts varies.

The following options are available.

ON: the number is redialled automatically.

OFF: the number is not redialled.

Auto Answer

Menu 6-8

With the Auto Answer function, the phone 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

Menu 6-9

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

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

The following options are available.

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

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

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

Active Flip

Menu 6-0

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

The following options are available.

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

OFF: the voice dial mode must be activated manually via the phonebook; for further information, refer to page 42.

Reset Settings

*Menu 6-**

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

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

Note: The password is preset to 0000. To change this password, refer to page 84.

Clock Settings

The Clock Settings feature enables you to:

- 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

Set Time

Menu 7-1

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

Note: Before setting the time, you must specify your time zone, via the **World Time** menu option (7-4).

Set Date

Menu 7-2

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

Alarm

Menu 7-3

The option allows you to set the alarm to ring at a specific time.

The following options 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.

To set the alarm, proceed as follows.

1. Select **Set Alarm**.
2. Choose the alarm frequency option.
3. 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 #.
You can set more than one day.
4. When you have selected all the days required, press **OK**.
5. Enter the required time.
6. Press **OK**.

Alarm Activated is displayed.


To stop the alarm when it rings, simply open the flip cover.

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

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

World Time

Menu 7-4

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

The screen shows the:

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

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

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

The local date and time are displayed.

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

3. **To...**

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 bullet (•) is shown next to the time difference.

Remove DST soft key (only available when a bullet (•) is shown next to the time difference).

Security

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

- The people of your choice
- The types of calls of your choice

Various codes and passwords are used to protect the features of your phone. They are described in the following sections (see also pages 21-24).

PIN Check

Menu 8-1

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

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

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

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

Menu 8-2

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

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

Phone Lock

Menu 8-3

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

The password is factory set to 0000. To change the phone password, refer to menu option **8-4** on the following page.

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

The following options are available.

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

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

Change Password

Menu 8-4

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

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

SIM Lock

Menu 8-5

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

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

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

FDN Mode

Menu 8-6

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

The following options are available.

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

Disable: you can phone any number.

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

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

Change PIN2

Menu 8-7

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

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

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

Network Services

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

Call Diverting

Menu 9-1

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

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.

Cancel All: all call diverting options are cancelled.

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

- Voice calls only
- Fax calls only
- Data calls only

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 **↵** until the appropriate option is highlighted, and then press **Select**.
2. Select the type of calls to be diverted by pressing **↵** until the appropriate option is highlighted and then press **Select**.
3. Press the **Activate** soft key to confirm your settings.
4. You can enter the number of your choice.
To enter the international code, press **0** until the + sign is displayed. You can also select a number in the phonebook or the voice server number, by pressing the **Options** soft key, followed by **PhoneBook** or **Voice Server Number**.

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

To deactivate specific call diverting settings, proceed as follows.

1. Select the call diverting option to be deactivated.
2. Select the type of call to which this option applies.
3. Press the **Remove** soft key.

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

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

Call Barring

Menu 9-2

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

Call barring can be set up in the following ways.

All Outgoing: calls cannot be made.

International: international calls cannot be made.



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

All Incoming: calls cannot be received.

Incoming while abroad: calls cannot be received when you are using your phone outside your home service area.

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

To set your call barring options, proceed as follows.

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

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

Menu 9-3

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

To set your call waiting options, proceed as follows.

1. Select the type of calls to which the call waiting option is to be applied by pressing  until the appropriate option is highlighted and then press **Select**.
2. Press the **Activate** soft key to confirm your settings.

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

To deactivate specific call waiting settings, proceed as follows.

1. Select the type of call to which the option applies.
2. Press the **Deactivate** soft key.

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

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

Network Selection


Menu 9-4

The Network Selection feature enables you to:

- Indicate whether the network used when roaming (outside your home area) is selected automatically or manually
- Set up a preferred list to be used when selecting a network automatically

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

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

1. When **Network Select** is displayed, press the **OK** soft key.
2. Press the  soft key until the appropriate option is highlighted and press **OK**.

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

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

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

You are connected to that network when roaming.

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

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

- | 1. To... | Then press the... |
|---------------------------------------|---|
| Scroll through the preferred list | ↵ soft key. |
| Change an entry in the preferred list | ↵ soft key to highlight the required entry, followed by the Edit soft key. |
2. Select the network to be added to the list by pressing the ↵ soft key until it is highlighted, followed by **Select**.

The network is added to the list.

Line Identification

Menu 9-5

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

CLIP (Calling Line Identification Presentation) /
COLP (Connected Line Identification Presentation)

If these network functions are active, the caller's number is displayed during a call. If the phone number matches one stored in the phonebook, the caller's name is also displayed.

CLIR (Calling Line Identification Restriction) /
COLR (Connected Line Identification Restriction)

If these network functions are active, your phone number is not displayed on the called person's phone.

Closed User Group (CUG)

Menu 9-6

This network service allows incoming and outgoing calls to be restricted to a selected user group. You may be a member of up to 10 user groups.

For details on how to create, activate and use a closed user group, contact your service provider.

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

Activating a Closed User Group

If you select the **Closed User Group** menu, you are asked if you want to activate the CUG function. Press the **Yes** soft key. You can now access the following options.

Deactivate: deactivates the CUG function.

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

To...

Scroll through the existing CUG indexes

Add a new CUG index

Delete a CUG index

Then press the...

▼ or ▲ keys on the left of the phone.

Add soft key and enter the index.

Delete soft key.

Outside Access: enables you to allow or prohibit calls to numbers other than those nominated for the Closed User Group. This feature depends on the nature of your CUG subscription. Please check with your service provider.

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

Solving Problems

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

When you switch your phone on, the following messages appear

Insert SIM Card

- Check that the SIM card is correctly installed.

Phone Locked

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

Enter PIN

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


Enter PUK

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


“No service” is displayed

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

You have entered a number but it was not dialled

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

Your correspondent cannot reach you

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

Your correspondent cannot hear you speaking

- Have you switched off the microphone (**Mute** appears)?
- Are you holding the phone close enough to your mouth? The microphone is located in the bottom centre of the phone.

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

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

The audio quality of the call is poor

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

No number is dialled when you recall a phonebook entry

- Check that the numbers have been stored correctly, by using the Phonebook Search feature.
- Re-store them, if necessary.

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

- The model and serial numbers of your phone
- Your warranty details
- A clear description of the problem

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

Using the Batteries

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

The following batteries are also available (ask your SAMSUNG dealer for further details):

- BTI24G slim battery
- BTS24G standard battery
- BTE24G extended battery
- BTL24G ultra extended battery

Precautions When Using Batteries

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

- Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and life-time of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0 °C (32 °F).
- Do not short-circuit the battery. Accidental short circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the back of the battery), for example when 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 physician or the manufacturer of the medical device if you have any questions. Other electronic equipment may also be subject to interference.
- As with other mobile radio transmitting equipment, you are advised that for satisfactory operations and personal safety, the equipment should only be used in the normal operating position.
- Always switch off the phone when at a refuelling point (service station). You are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.
- Switch off your cellular phone when in an aircraft. The use of cellular phones in an aircraft is illegal and may be dangerous to the operation of the aircraft or disrupt the cellular network. Failure to observe these instructions may lead to the suspension or denial of cellular telephone services to the offender, legal action or both.

Care and Maintenance

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

- Keep the phone and all its parts and accessories out of the reach of small children.
- Keep the phone dry. Precipitation, humidity and liquids containing minerals will corrode the electronic circuits.
- Do not use or store the phone in dusty, dirty areas as its components may be damaged.
- Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries and warp or melt certain plastics.
- Do not store the phone in cold areas. When the phone warms up (to its normal temperature), moisture can form inside the phone, which may damage the electronic circuits.
- Do not attempt to open the phone. Non-expert handling of the phone may damage it.
- Do not drop or knock the phone. Rough handling may damage the internal circuits.

- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in mild, soapy water.
- If the phone or any of its accessories are not working properly, take them to your nearest qualified service centre. The personnel there will assist you, and if necessary, arrange for the phone to be repaired.

Emergency Calls

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

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

Active Flip

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

Call Barring

Ability to restrict outgoing and incoming calls.

Call Diverting

Ability to reroute calls to another mobile or fixed line.

Call Holding

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

Call Waiting

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

GSM (Global System for Mobile Communication)

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

Line Identification Services

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

Multi-party Calling

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

Phone's Password

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

PIN (Personal Identification Number)

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

PUK (PIN Unblocking Key)

Security code used to unlock the phone when an incorrect PIN has been entered three times in succession. The eight-digit number is supplied by 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 ... 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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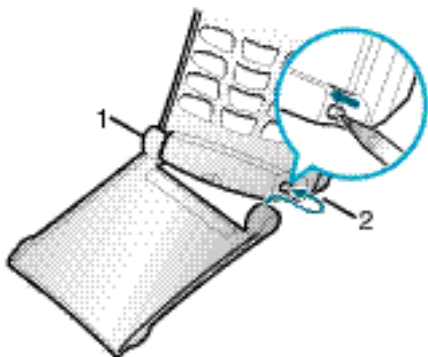
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Installing the Flip Cover

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

1. Insert one end of the flip cover into the left tab on the bottom of the phone.
2. While pushing the right tab with a small tool such as a pen, clip the other end of the cover into place.




Quick Reference Card



① Press the **Menu** soft key.

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

③ Press the **Select** soft key.

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

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

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

Switch On/Off

Press and hold .

Make a Call

(Direct Call)

① Key in the number.

② Press .

(Voice Dial)

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

① Open the flip cover.

② Say the name.

End a Call

Briefly press .

<p>Answer a Call</p>	<p>Open the flip cover <i>or</i> Press ■.</p>		
<p>Adjust the Volume</p>	<p>Press ▲ <i>or</i> ▼ on the left side of the phone.</p>		
<p>Store Numbers in the PhoneBook</p>	<ol style="list-style-type: none"> 1 Type in the number. 2 Press the Save soft key. 3 Enter the name. 4 Press the OK soft key. 5 If necessary, change the location. 6 Press the OK soft key. 		
		<p>Search for a Number in the PhoneBook</p>	<ol style="list-style-type: none"> 1 Press the PhoneBook soft key. 2 Enter the start of the name. 3 Press the Search soft key. 4 To scroll through the names, press the ■ soft key. 5 To make a call, press ■.
	<p>Record a Name for Voice Dialling</p>		<ol style="list-style-type: none"> 1 Press the PhoneBook soft key. 2 Press the Voice soft key. 3 Select the Record menu. 4 Record the name and follow the instructions.