

User's Guide

QUICK GUIDE



Standard Functions

Switch on/off

Make a call

End a call

Answer a call

Handsfree on/off

Clear a digit

Clear the display


Last number redial

One Key Calling

Speed dialling

Adjust earpiece/
handsfree volume

1 hold

Area code, number, 



Lift handset, or 


Replace/lift handset

C

C hold



Press and hold location
number (1-9)

Location number (1-9), 

Use the side buttons:
upper increases, lower
decreases

Memory

Store a number and
name(in first avail.loc.)

Search for a name

Search for a number

Recall information

Key in the phone number.

Press **ABC**, key in the
name, **M**, **M**

ABC , \wedge or \vee

\wedge or \vee

Memory loc.number, **R**

Menu

Enter menu

Scroll features

Select displayed feature

Shortcut

Exit the menu

For menu functions, see user's guide.

MENU

\wedge or \vee

M

MENU, function number

C

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1. FOR YOUR SAFETY



Read these simple guidelines. Breaking the rules may be dangerous or illegal. Further detailed information is given in this manual.



ROAD SAFETY COMES FIRST

Don't use a hand-held telephone while driving; park the vehicle first.



SWITCH OFF IN HOSPITALS

Follow any regulations or rules. Switch off near medical equipment.



USE SENSIBLY

Use only in the normal position (to ear). Don't touch the antenna unnecessarily.



SWITCH OFF WHEN REFUELING

Don't use phone at a refueling point. Don't use near fuel or chemicals.



SWITCH OFF NEAR BLASTING

Don't use phone where blasting is in progress. Observe restrictions, and follow any regulations or rules.



QUALIFIED SERVICE

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



FUSE REPLACEMENT

Replace a blown fuse with a fuse of the same type and size. Never use a fuse with a higher rating!






INTERFERENCE

All mobile phones may get interference which could affect performance.




MAKING CALLS

Ensure the phone is switched on and in service. Enter the phone number, including area code, then press . To end a call press . To answer a call press .



EMERGENCY CALLS

Ensure the phone is switched on and in service. Hold **C** for several seconds, to clear the display. Enter the emergency number, then press . Give your location. Do not end the call until told to do so.

For more information on safety, see chapter 10, Important Safety Information.

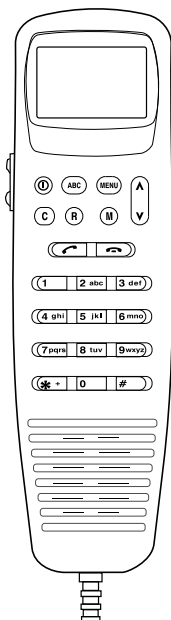
NOTE ABOUT THE SECURITY CODE

You can find the phone's security code in an envelope (or on an identification sticker) in the phone's sales package. Keep it secret and store it in a safe place, separately from the phone!

2. KEYS AND DISPLAY INDICATORS


KEYS

To use the phone, keys are pressed one at a time. Two keys are never to be pressed simultaneously. More detailed information on each key is given later in this guide.



- ⓘ** Switches the phone on and off.
Press to switch on.
Press and hold to switch off.

ABC Switches between alpha mode and numeric mode.

MENU Selects the menu mode.
Shortcuts to individual menu features.
Used with  key for automatic DTMF transmission.
Used to switch to handsfree mode.

C Press once to clear the last digit entered. Press and hold to clear the display.
Exits the menu without changing the current setting.
Deletes a message.

R Recalls information from a memory location.
Press and hold to check hidden digits from a phone number which is longer than 16 digits.

M Stores information in memory.
Selects an option in a menu - also confirms a setting.

△ and ∇ Scroll through menus, submenus and settings.
Browse through memory locations.



Makes a call (dials a number).
Answers a call.
When the display is clear, press to display the last dialled number.



Ends a call.

0 - 9

Number keys.
In alpha mode letters and other characters

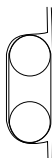


Special character. Used in network manual activation commands. In alpha mode, moves the cursor to the next position.



Special character. Used in network manual activation commands. In alpha mode, gives a blank space.

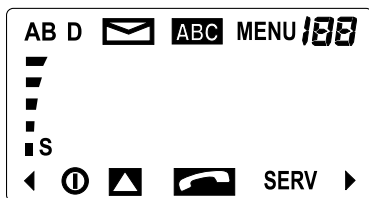
Volume keys




The upper key increases the handset volume or handsfree loudspeaker volume, whichever you are currently using.




The lower key decreases the handset volume or handsfree loudspeaker volume, whichever you are currently using.

DISPLAY INDICATORS



The phone has a series of display indicators which inform you about the operation of the phone.

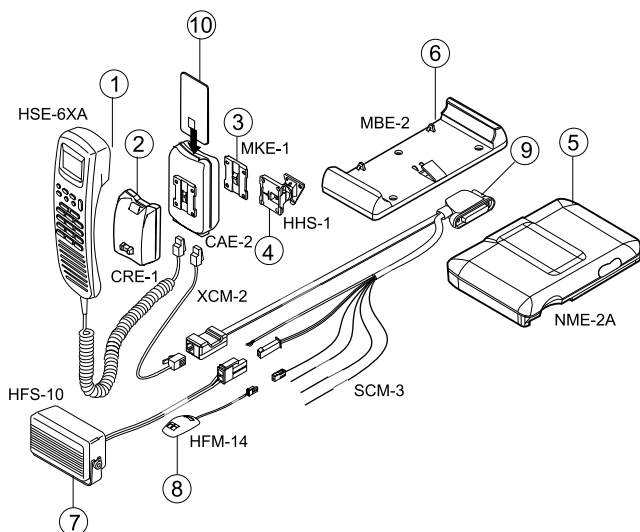
- AB** Indicates the memory selected.
A stands for the SIM card's memory, B for the phone's memory.
- D** Indicates that a data or fax call is in progress.
-  Indicates that a short message has been received.
When flashing, it indicates that the memory for messages is full.
- ABC** Indicates that the alpha mode has been selected.
Letters can be entered and names can be displayed.
- MENU** Indicates that the menu facility has been selected.
- 100** Indicates the number or current menu, submenu or setting.
Indicates a memory location number.
Indicates a message number in message function.
- S and 1-5 bars** Indicates the current cellular signal strength at the location of your phone.
The more bars, the better the signal in the area.

- < Indicates that there are more than 16 digits in the phone number.
The first part of the phone number is not shown on the display. Press and hold **R** to check the rest of the number.
-  Indicates that the phone is switched on.
-  Indicates that the phone is using a network other than the home network.
-  Indicates that a call is in progress.
- SERV** Indicates that the phone is registered on the cellular network. If it does not light up, the phone is outside the network service area.
- > During number editing this indicates that there are more than 16 digits in the phone number.
Indicates a memory location number over 99.
Indicates that a SMS message continues.

3. YOUR MOBILE PHONE

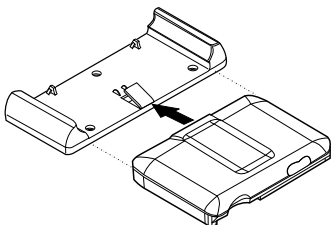
Your phone consists of Handset (1), Handset Cradle (2), Mounting Plate (3), Swivel Mount (4), Transceiver (5), Mounting Bracket (6), Handsfree Speaker (7), Handsfree Microphone (8) and System Cable (9). External SIM card reader CAE-2 is optional (10).

The phone should be installed in your vehicle by a qualified installer.



Slide the transceiver into the Mounting Bracket. Make sure it locks into place. See the opposite picture.

To release the transceiver from the mounting bracket, press the lock spring under the transceiver with a flat tool and then slide the transceiver out.



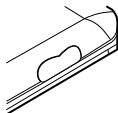
The handset is located on the Handset Cradle, which should be mounted in a suitable place.

The mobile phone is powered from your vehicle battery via permanent wiring.

FAX AND DATA FACILITY

Your phone supports sending and receiving data via a data adapter which connects to the transceiver part of your phone.

The transceiver is provided with a plastic cap protecting the data adapter connector. Remove the cap and then connect the terminal.



Note: Keep the cap out of small children's reach! Always remove the cap whenever you may have small children in your vehicle.

IGNITION SENSE

The ignition sense feature prevents the mobile phone from draining the vehicle battery. The ignition sense feature allows the phone to be automatically switched on or off whenever the vehicle's ignition is switched on or off, respectively. However, you can anytime switch on and off the phone with the **I** key.

When ignition is turned off, the Auto Power Off timer is started, if it is activated. See 'Auto Power Off' below.

The ignition sense is always enabled when the ignition sense line is connected. Ask a qualified installer to connect the phone to vehicle's electrical system.

AUTO POWER OFF

This feature prevents the phone from draining the car battery if the phone is accidentally left on. You can set this function to be on or off as well as set the length of the auto power off time in Menu 4 14.

Ignition sense line is connected:

If Auto Power Off is set to on (*SELECT TIME*) and the ignition is turned off, the phone switches itself off after the selected time (0-24 hours). If you selected 0 hours, the switch off time is 3 minutes. The countdown time can be restarted by any user action, i.e. key press or replacement of handset.

If Auto Power Off is disabled (*CANCEL*) and the ignition is turned off, the text *SWITCHING OFF* is displayed for 30 sec. after which the phone will be switched off. If you press a key before the phone is switched off, the phone will stay on and must be switched off with **I** key. Otherwise the phone may drain the vehicle battery.

Ignition line is not connected:

If Auto Power Off is set to on, it switches the phone off in a selected period of time (0-24 hours) after the last user action, i.e. a key press or replacement of the handset.

If Auto Power Off is disabled, the phone will not power off automatically, which may drain the vehicle battery.

CAR RADIO MUTE

This feature mutes the car radio during a phone call. Ask a qualified installer to connect the phone to the vehicle's electrical system.

AUTOMATIC ANTENNA CONTROL

If your car is equipped with automatic antenna control for cellular phones, this feature automatically extends the antenna when the phone is switched on and retracts it when the phone is switched off.

Remember to switch the phone off when driving into a car wash.

4. GETTING STARTED

THE SIM CARD

To be able to use your phone, you must have a valid SIM card which is supplied by your network operator. The SIM card contains all the subscriber related information such as the user's telephone number for the network, home operator, home area, etc. Your phone will change its number according to the SIM card inserted.

Remember always switch power off and to wait some seconds before you insert or remove the SIM card. Otherwise, you may lose information stored on the card or even damage the card.

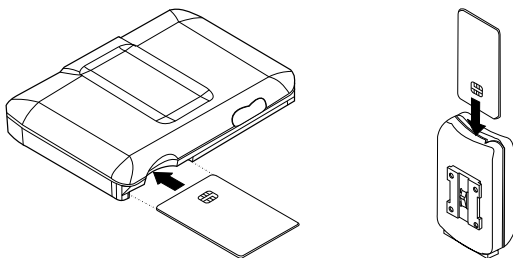
The card is easily damaged by static electricity and mechanical scratches, so be careful when handling it.

To prevent unauthorised use of your card on your account, make full use of the phone's security functions. See section "Access Codes".

Installing the SIM card

Your phone uses a credit card sized SIM card which is either inserted in the mobile phone's transceiver part or external card reader.

Insert the SIM card into the tranceiver (the picture on the left) or external card reader (picture on the right).



When SIM cards are loaded into both tranceiver and external card reader, your phone will only recognise the SIM card in the external card reader (the one in the tranceiver will be ignored). If you later remove either SIM card, the other will take over control of the phone.

ACCESS CODES

Your phone and its SIM card use several access codes. These codes allow you to protect the phone and the SIM card from unauthorised use.

Note: Avoid entering access codes similar to the emergency numbers such as 112 in order to prevent accidental dialling of the emergency number.

Security Code (5 digits)

The security code comes with your phone.

The security code allows access to all the phone's memory functions and it is needed when *SECURITY?* appears on the display. Key in the code (5 digits) and press **M**.

If you enter an incorrect security code (*CODE ERROR*) five times in a row, the phone will not accept any entries for the next five minutes with power on.

To change the security code, see Menu 5 6 1, Change Security.

PIN (Personal Identity Number) Code (4-8 digits)

The PIN code, supplied with the SIM card, is a secret code designed to control the use of the SIM card. If you have enabled the PIN code request in Menu 5 1, the PIN code is needed when the phone is switched on and *PIN CODE?* appears on the display.

If you enter a wrong PIN code three times in a row, the SIM card will be blocked and *CARD BLOCKED* will be displayed.

Use the PUK code to unblock the code (see PUK).

To change the PIN code, see Menu 5 6 2, Change PIN code.

PIN2 Code (4 to 8 digits)

The PIN2 code is supplied with some SIM cards. The PIN2 code is required to access some functions, such as charging unit counters and fixed dialling, which must be supported by the SIM card.

If you enter a wrong PIN2 code three times in a row, the PIN2 code is disabled and cannot be used anymore. Use the PUK2 code to unblock the code (see PUK2).

To change the PIN2 code, see Menu 5 6 3, Change PIN2.

PUK (Personal Unblocking Key) (8 digits)

The PUK code is also supplied with your SIM card.

The code is required when you want to change a disabled PIN code. If the message *CARD BLOCKED* appears briefly on the display and the phone asks for your PUK code, key in your PUK code and press **M**. You will then need to enter a new PIN code.

If you enter an incorrect PUK code ten times in succession, your SIM card will be permanently disabled, and *CARD REJECTED* will appear on the display. Please contact your network operator.

You cannot change the PUK code. If you lose the code, please contact your network operator.

PUK2 Code (8 digits)

The PUK2 code is supplied with some SIM cards.

The code is required when you want to change a disabled PIN2 code.

If you enter a wrong code ten times in succession, you will not be able to access the functions which require the PIN2 code. To utilise these functions, contact your network operator for a new card.

You can not change the PUK2 code. If you lose the code, contact your network operator.

Network Password (4 digits)

You are asked for a password when you wish to use the barring services of your network. You obtain the code from your network operator when you subscribe to the service.

If you enter an incorrect password three times in succession, the network prevents you from accessing any of the services that require this password.

To change the password, see Menu 5 6 4, Change Password.

SWITCHING ON

- ❶ Press the **1** key. The phone requests the PIN code of your SIM card if the PIN prompt has been enabled. The PIN code prompt can be set on or off using Menu 5 1.
- ❷ Key in your PIN code and press **M**. If you do not enter the PIN code within 10 seconds of the message *PIN CODE ?* being displayed, a warning tone is generated to remind you that you can not make or receive calls. If there is no SIM card present, the phone asks you to insert a card, *INSERT SIM CARD*. Switch off the phone and insert the card as instructed in section “Installing the SIM card”.
- ❸ The phone automatically sets the display text language according to the information in the SIM-card inserted in the phone if the *AUTO SELECT* option is selected in Menu 4 15. To change the display text language, use Menu 4 15.

The phone can make and receive calls only when it is switched on, has a valid SIM card inserted and is located in the service area of the cellular network.

Note: If there is a failure in the power supply, *CHECK VOLTAGE* will be displayed. After that no calls can be made as the vehicle does not supply the phone with the right voltage due to a car battery or alternator problem. If the text does not disappear after a key is pressed, please contact qualified service personnel.

Note: As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that no part of the human body be allowed to come too close to the antenna during operation of the equipment.



SWITCHING OFF

① Press and hold the **①** key for a second.

Note: Unplugging of handset will abort the current call and switch off the phone after a while.




5. BASIC FUNCTIONS

MAKING A CALL

- ❶ Key in the phone number including the area code.
- ❷ To correct any mistakes, press **C** to delete the last digit entered, or press and hold **C** to clear the whole display (then re-enter the number.)
- ❸ When the correct number is displayed, press . When the call is connected, you can either use the Hands Free facility, that is, leave the handset in its cradle and converse via the handsfree equipment (Handsfree -microphone/Handsfree-speaker) or pick up the handset.
- ❹ To finish the call, press  or replace the handset in the cradle.

RECEIVING A CALL

When you receive a call, a ringing tone is heard and caller's number or name is displayed. If the caller can not be identified, only the text *CALL* will appear.




- ❶ Press  key or lift the handset from the cradle and speak. If the Anykey Answer feature is set to on in Menu 4 10, press briefly any key except ❶ key, volume keys or  key to answer a call.
If the Auto Answer feature is enabled in Menu 4 9 and the ignition is on, the phone automatically answers the call and activates the handsfree mode.
- ❷ End the call by pressing the  key or replacing the handset in the cradle.

MAKING AN INTERNATIONAL CALL

If you insert a + character in front of the country code, you don't need to know the international access code of the country where you are using the phone.

- ❶ Press * twice quickly. The international character '+' appears on the display which informs the network centre to select the correct international prefix.
- ❷ Enter the country code and the subscriber number.

TO HOLD/UNHOLD A CALL





When you have a call in progress, you can put it on hold by pressing , which means that the person you are calling cannot hear you. When you have a call on hold, the indicator  on the display will flash. Press  again to unhold the call and the person can hear you again.

For subscription to this function, contact your network operator.

MAKING A CALL WHILE YOU HAVE A CALL IN PROGRESS

You may have two calls in progress at the same time (network service). Of these two calls, one will be active (the person you are calling can hear you) and the other on hold (the person cannot hear you).

For subscription to this function, contact your network operator.

- ❶ During a call, key in or recall from memory the other phone number that you want to call and press . The first call will automatically be put on hold.
- ❷ To activate the call on hold and to put the active call on hold, press  when the display is clear of characters.
- ❸ To end the active call, press **1** .
- ❹ To end both calls, press .

SWITCHING FROM HANDSET TO HANDSFREE

If you start a call using the handset and want to switch to the Hands Free facility:

- ❶ Press **MENU**.
- ❷ Replace the handset into the cradle within 10 seconds.

If you are using the phone in handsfree mode you can pick up the handset at any time and continue conversation in handset mode.

ADJUSTING THE EARPIECE/HANDSFREE VOLUME

The volume level is controlled with the volume keys on the left-hand side of the handset. In handsfree mode (i.e. when the handset is in its cradle) the volume keys control the loud-speaker volume. In the handset mode (i.e. you are holding the handset) the volume keys control the earpiece volume.

The volume level can be set individually for both handsfree and handset mode. There are 8 volume steps in each mode.


The current volume level of the phone's earpiece or loud-speaker is indicated on the display as a row of boxes along with the text *VOLUME*.

Pressing the upper part of the key increases the volume and pressing the lower part of the key decreases the volume. A warning tone is heard if you try to exceed the maximum or minimum volume level.

SPEED DIALLING

Speed Dialling is a handy way to dial phone numbers that are frequently used.

You can speed dial phone numbers from standard memory locations 1 - 9 in the currently selected memory.

- ❶ Key in the number of the memory location (1 to 9) where you have stored the phone number you wish to call.
- ❷ Press . The phone number in the memory location is displayed and dialled.

If the memory location is empty, the message *LOCATION EMPTY* (in number mode) will appear.

ONE KEY CALLING



If the One Key Calling function from Menu 4 8 is enabled, you can dial numbers stored in memory locations 1 to 9 of the selected memory by pressing and holding the required key. For instance, to dial a phone number in location 7:

- ❶ With an empty display, press and hold the 7 key for a few seconds until the call is made.



LAST NUMBER REDIAL

The phone stores the last ten numbers (together with any associated names) which you have dialled.

To redial the last dialled number:

- ① Clear the display and press  key .
The last dialled number appears on the display.
- ② Press  to dial the number.



To dial any of the ten last dialled numbers:

- ① Clear the display and press  key.
Scroll through the numbers with the \wedge and \vee keys until the desired one appears.
- ② Press  to dial the number.

SENDING DTMF TONES

With the Dual Tone Multi Frequency (DTMF) facility you can transmit numerical information as a series of tones of varying frequencies. With these tones you can control answering machines, computers, automatic business services etc.

To send DTMF tones:

- ① Make the call in a normal way and simply press any of the digit keys (0-9) or * or #
OR
recall a stored number from memory, then press **MENU**  to send the sequence automatically. During tone transmission, only the keys ①,  and **C** are active.

You can further automate the transmission by including certain special characters in a stored digit sequence:

the “+”- character links two memory locations together:


- ❶ Key in or recall from the memory the phone number you want to dial.
- ❷ Press * * quickly to add a linking character to the end of the phone number.
- ❸ Key in the number of the second memory location which contains DTMF digits.
- ❹ Store this phone number in a memory location.

the p-character:

This character may be used to separate parts of a long number sequence; it generates an automatic 2.5 second pause. All the digits following the pause will be sent as DTMF tones.

To obtain “p”, press * * *.

the w-character:

If you want to dial a phone number and then send DTMF tones in one sequence, you can place a w-character (“wait”) between the phone number and the DTMF digits. Press  to send the rest of the string. To obtain “w”, press * * * *.

Please note that it is possible to store numbers with +, p- and w-characters only in memory B (the phone’s memory).

6. MEMORY FUNCTIONS

MEMORY A AND MEMORY B

The phone has two memories. One is located on the SIM card, memory A, and the other in the phone, memory B. The current memory in use is shown in the upper left corner of the display. To change the memory in use, press **MENU 2 5**. Press \wedge or \vee to select the memory and press **M** to confirm your setting.

The number of standard memory locations available on the SIM card (in memory A) varies from one card to another. Also the length of names and phone numbers which can be stored in the memory locations varies from one card to another. The phone is able to support up to 199 SIM card's memory locations.

The phone's memory (memory B) contains 99 standard memory locations numbered 1 to 99. You can store phone numbers of up to 32 digits and/or names of up to 16 characters in any of the memory locations.

In number mode only digits can be entered and displayed. In alpha mode, both letters and digits can be entered. You can switch between these modes by pressing **ABC**.

Note: You can not use digits entered in alpha mode to dial a phone number.

LOCATIONS FOR AUTOMATICALLY STORED NUMBERS

The phone automatically stores the phone numbers of the last ten dialled, received or missed calls. All these can be erased using Menu 2 4, Erase Calls.

Received Calls and Missed Calls are network features which work only in networks which allow you to view the caller's phone number.

- Dialled Calls memory contains the last ten phone numbers/names dialled. See also Menu 2 1, Dialled Calls.
- Received Calls memory lets you view the last ten names/numbers from which you have been called. See also Menu 2 2, Received Calls.
- Missed Calls memory lets you view the last ten phone numbers/names of persons who have tried to reach you but without success. See also Menu 2 3, Missed Calls.

THE NOTEPAD MEMORY

The phone is provided with 10 short-term notepad locations, where you can store telephone numbers and names e.g. during a call.

To store a phone number with a corresponding name into the notepad memory:

- 1 Press **M**. Key in the name. Press **ABC** and key in the number. Press **M** to confirm.

- ② Press **# M** . The number is stored in the first notepad location. When you store a number in the notepad memory, the phone puts it into the first memory location and moves the other numbers one location up. Any number previously stored in the last notepad location (# 9) will be lost.

To recall a number from the notepad memory:

- ① To display the most recent number, press **# R**. Press **ABC** to check the name stored with the number.
- ② To scroll through the notepad memory, press the \wedge or \vee key.

Menu 2 4, Erase Calls, clears the Notepad Memory and automatically stored numbers.

KEYING IN NAMES

- ① If you are in number mode, press **ABC**. The ABC indicator tells you that you are in alpha mode.
- ② Select the key labelled with the letter you want. Press it once to obtain the first letter on the key, twice (before cursor flashes) to obtain the second letter, three times (before cursor flashes) to obtain the third letter and so on. If you miss a letter, just keep pressing the key until the missed letter appears again. To enter a space, press #.
- ③ Select further letters in the same way. When entering the same letter (or a letter on the same key) twice, you do not have to wait for the cursor to appear; press the * key and select the next letter.

Characters available are:

Key	Characters
1	- ? ! , . " ' & \$ £ () / % @ 1
2abc	A B C 2 Ä Å À Á Ã Â Æ Ç
3def	D E F 3 È É Ê Ë
4ghi	G H I 4 Ì Í Î
5jkl	J K L 5
6mno	M N O 6 Ñ Ò Ó Ô Ø
7pqrs	P Q R S 7 ß
8tuv	T U V 8 Ü Ù Ú Û
9wxyz	W X Y Z 9
0	0
*	Cut time-out
#	Space

④ To exit alpha mode, press **ABC**.

STORING INFORMATION

① Key in the phone number. Press **ABC** and key in the name. Press and hold **M** key. The information is stored in the first free memory location.

OR

① Key in the area code and the phone number you want to store. If you want to store a name with the phone number, press **ABC** and key in the name.

② Press **M**. The message *SAVE TO* and the first available memory location will be displayed.

③ To store the phone number and name in this location, press **M**. To store information in some other location, either scroll through the memory with the \wedge or \vee keys to find a desired location or key in the desired location number (1 to 99) and then press **M**.

Note: If you store telephone numbers with the international + prefix (created by pressing * twice) and the appropriate country code, you can use the same phone number in all GSM countries.

Replacing Information

When you are storing a name and a telephone number and the phone asks for the memory location number, key in the location number where the information that you want to replace is located. Then press **M**. The message *CHANGE CONTENT?* will appear. Press **M** to confirm.

Moving Information

If you want to move a number and a name from one memory location to another, recall the name and the number from the memory and press **M**.

The text *MOVE TO* and the first empty memory location number are shown on the display. Press **M** to confirm or key in the desired memory location number (or use \wedge or \vee to find the desired location) and then press **M**. The content of the former location is erased and the information is stored in the new memory location.

WAKE-UP MESSAGE

A wake-up message (number or name) may be displayed briefly when the phone is switched on and/or the PIN code is keyed in. The message is stored in the special memory location 999 in the phone's memory (memory B).

To recall the wake-up message, press 999 (memory B must be selected using Menu 2 5) and then **R**. A number is shown, if available. Press **ABC** and the name associated with the number is shown.

RECALLING A PHONE NUMBER FROM THE MEMORY

To recall a phone number/name by memory location number:

- 1 Key in the number of the memory location where the phone number (and name) are stored.
- 2 Press **R**. The phone number will be displayed. Press **ABC** to view the associated name.


To recall a phone number by name:

- 1 Press **ABC**. Key in the name (or its first letters) you want to recall.
- 2 Press **R** to recall the name from the memory.

To recall a phone number by scrolling through Memory Location Numbers:

- 1 Press \wedge or \vee to scroll through the memory location numbers. You can only view the numbers stored in the memory selected (memory A or B).

To recall a phone number by scrolling through the names:

- 1 Press **ABC**.
- 2 Press \wedge or \vee to scroll through the names until the desired name appears. You can view the names stored in both memory A and B.
Call the number by pressing . It does not matter whether the number or name is on the display.

7. THE MENU FACILITY

The menu facility allows you to check and alter the setting of a particular function as well as activate the phone's features.

The menu functions and settings can be accessed by using the Menu Method or the Shortcut Method.

THE MENU METHOD

- 1 Press **MENU** to enter the menu facility. The display shows *VIEW MENU*.
- 2 Press \wedge or \vee to scroll through the list of menus until you reach the one you want. Press **M** to enter the menu.
- 3 If the menu contains submenus, the message *VIEW OPTIONS* will appear on the display. Select the submenu you want with the \wedge or \vee keys. Press **M** to enter the submenu.
- 4 Press the \wedge or \vee keys to scroll through the setting options until the desired one appears. The current setting is displayed first. Press **M** to select the option.

Pressing **C** will exit the menu facility without changing the settings.

THE SHORTCUT METHOD

All the menus, submenus and setting options are numbered. This index number is shown in the top right corner of the display.

To access a menu function using the shortcut method:

- 1 Press **MENU** followed by the menu number. For instance, **MENU 4** for Phone Settings.

To access submenus and settings using the shortcut method:

- 1 Press **MENU** followed by the menu number. Within a few seconds key in the number of the submenu or setting number where the function can be found. For instance, to access the menu 4 01 2, press **MENU 4** for Phone Settings and then 01 for selecting the Lights and then 2 for selecting Lights off.

HELP TEXTS

Most menu functions are provided with a help text which gives a brief description of the displayed function.

- 1 Press **MENU** to enter the menu facility.
- 2 Scroll through the menus with the \wedge or \vee keys until you reach the desired function.
- 3 You can view the function's help text in two ways:
Either:
Wait for 10 seconds. The first page of the help text will appear. The text scrolls automatically. When all the pages have been scrolled, the name of the function will be displayed again.
Or:
Press the **ABC** key. The first page of the text will appear. For additional pages, press the **ABC** key as many times as necessary.

LIST OF MENUS

The menus available are listed below. Some of these menus contain submenus. The submenu of each menu will be listed separately for each menu after this list.

You can find a complete menu map at the end of this guide.

MENU	SHORTCUT	DESCRIPTION
MESSAGES	Menu 1	controls short messages and voice messages
MEMORY OPTIONS	Menu 2	controls memory features
CALL DIVERT	Menu 3	diverts incoming calls
PHONE SETTINGS	Menu 4	changes the various phone settings
SECURITY OPTIONS	Menu 5	accesses security features
FAX OR DATA	Menu 6	sends and receives data
NETWORK SELECT	Menu 7	selects a network to be used
NUMBER EDITOR	Menu 8	edits the phone number currently on the display
CALL INFO	Menu 9	shows the duration and cost of calls and lets you set the call costs limit and unit of currency

LIST OF SUBMENUS

The submenus available are listed, separately for each menu.

MESSAGES (Menu 1) contains the following submenus:

SUBMENU	SHORTCUT	DESCRIPTION
VOICE MESSAGES	Menu 1 1	controls voice messages
READ MESSAGES	Menu 1 2	reads short messages
WRITE MESSAGES	Menu 1 3	writes and sends short messages
MESSAGE SETTINGS	Menu 1 4	changes message parameters
MESSAGE CENTRE	Menu 1 4 1	selects the message service centre address
MESSAGE TYPE	Menu 1 4 2	selects the type of the messages
MESSAGE VALIDITY	Menu 1 4 3	specifies the period of time that outgoing messages are to be stored
VOICE MAIL No.	Menu 1 4 4	specifies the phone number of the voice mailbox

MEMORY OPTIONS (Menu 2) contains the following sub-menus:

SUBMENU	SHORTCUT	DESCRIPTION
DIALLED CALLS	Menu 2 1	views the last dialled numbers
RECEIVED CALLS	Menu 2 2	views the last numbers from which a call has been received
MISSED CALLS	Menu 2 3	views the phone numbers of the most recently received but unanswered calls
ERASE CALLS	Menu 2 4	clears the lists of dialled, received and missed numbers, as well as numbers stored in the notepad memory
SELECT MEMORY	Menu 2 5	selects the memory
COPY MEMORY	Menu 2 6	copies phone numbers from the phone's memory into the card memory or vice versa
ERASE MEMORY	Menu 2 7	clears information from memory locations in the selected memory
OWN NUMBER	Menu 2 8	shows the phone number assigned to the SIM card

CALL DIVERT (Menu 3) contains the following submenus

SUBMENU	SHORTCUT	DESCRIPTION
DIVERT CALLS	Menu 3 1	diverts all incoming voice calls
DIVERT IF BUSY	Menu 3 2	diverts incoming voice calls if your phone is busy
IF NO REPLY	Menu 3 3	diverts incoming voice calls if you do not answer them
IF NOT AVAILAB.	Menu 3 4	diverts incoming voice calls when your phone is outside the network area
DIVERT FAXES	Menu 3 5	diverts all incoming fax calls
DIVERT DATA	Menu 3 6	diverts all incoming data calls
CANCEL ALL	Menu 3 7	cancels all active call diversions

PHONE SETTINGS (Menu 4) contains the following submenus

SUBMENU	SHORTCUT	DESCRIPTION
LIGHTS	Menu 4 01	turns the keypad and display backlights on/off
BRIGHTNESS	Menu 4 2	adjusts the brightness of the display lights
RINGING VOLUME	Menu 4 3	selects the ringing volume level

RINGING TYPE	Menu 4 4	selects the ringing tone type
KEYPAD TONES	Menu 4 5	sets the keypad tones off, or at different volume levels
WARNING TONES	Menu 4 6	sets on and off the warning tone (for keying mistakes etc.)
AUTO REDIAL	Menu 4 7	sets the phone to automatically redial a phone number if the number is busy
ONE KEY CALLING	Menu 4 8	sets the one key calling feature on/off
AUTO ANSWER	Menu 4 9	sets the automatic answer feature on/off
ANYKEY ANSWER	Menu 4 10	sets the any key answering on/off
CELL INFO	Menu 4 11	sets cell info display on/off
SEND OWN NUMBER	Menu 4 12	sets own number sending on/off
CALL WAITING	Menu 4 13	sets call waiting function on/off
AUTO PWR OFF	Menu 4 14	sets the length of power-off period for phone
LANGUAGE	Menu 4 15	selects the language for all display texts

SECURITY OPTIONS (Menu 5) contains the following sub-menus:

SUBMENU	SHORTCUT	DESCRIPTION
PIN CODE REQUEST	Menu 5 1	selects whether the PIN code is needed when the phone is switched on or not
SECURITY LEVEL	Menu 5 2	selects a security level and certain features of the phone that are protected with the security code
CALL BARRING	Menu 5 3	sets the call restriction level for incoming and outgoing calls
ALL OUTGOING	Menu 5 3 1	bars all outgoing calls
INTERNATIONAL	Menu 5 3 2	bars all outgoing international calls
INT. EXCL TO HOME	Menu 5 3 3	bars all outgoing calls except those directed to the SIM card's home country
ALL INCOMING	Menu 5 3 4	bars all incoming calls
INCOMING ABROAD	Menu 5 3 5	bars all incoming calls when the phone is roaming on another network outside the SIM card's home country
CANCEL ALL	Menu 5 3 6	cancels all active call barring

FIXED NUMBERS	Menu 5 4	lets you view the fixed dialling list created in Menu 5 5
FIXED DIALLING	Menu 5 5	lets you restrict your outgoing calls to a pre-determined set of phone numbers
CHANGE CODES	Menu 5 6	changes the access codes
CHANGE SECURITY	Menu 5 6 1	changes the security code of your phone
CHANGE PIN CODE	Menu 5 6 2	changes the PIN code of the SIM card
CHANGE PIN2	Menu 5 6 3	changes the PIN2 code of the SIM card
CHANGE PASSWORD	Menu 5 6 4	changes the network password
CLOSED GROUP	Menu 5 7	allows restriction of your calls to a selected group of people
RESTORE SETTINGS	Menu 5 8	resets menu functions to their default values

NETWORK SELECT (MENU 7) contains the following sub-menus:

SUBMENU	SHORT CUT DESCRIPTION	
AUTO SELECT	Menu 7 1	selects a network automatically
MANUAL SELECT	Menu 7 2	selects a network manually

CALL INFO (MENU 9) contains the following submenus:

SUBMENU		SHORT CUT DESCRIPTION
CALL TIMERS	Menu 9 1	shows the duration of your calls
LAST	Menu 9 1 1	shows the duration of your last call
TOTAL	Menu 9 1 2	shows the duration of all your calls
CLEAR TIMERS	Menu 9 1 3	clears call timers
CALL COSTS	Menu 9 2	shows the cost of your calls
LAST	Menu 9 2 1	shows the cost of your last call
TOTAL	Menu 9 2 2	shows the cost of all your calls
CLEAR COUNTERS	Menu 9 2 3	clears call counters
COST LIMIT	Menu 9 3	lets you set the limit of your all call costs
COSTS DISPLAY	Menu 9 4	selects whether the call costs are shown in currency or in units

8. DESCRIPTIONS OF MENU FUNCTIONS

The operation of every menu and submenu function is explained below.

NOTE: Some of the menu functions are network services. These functions can be utilised only if provided by your cellular network. To make use of a network service, you must first subscribe to it. Note that a network service is specific to the SIM card and if you have not purchased the service for that card, you will not be able to utilise the service. For availability and subscription, contact your network operator.

MESSAGES (MENU 1)

This function allows you to listen to messages in voice mailboxes and read and write messages of up to 160 characters.


Please check with your network operator for availability of this feature.

Voice Messages (MENU 1 1)

Voice message feature allows you to receive and save voice messages into a mailbox. You can listen to messages by dialling the voice mailbox number either manually or using the menu. The voice mailbox number must be specified using Menu 1 4 4.


- ❶ To listen to a message stored in the voice mailbox, press **MENU 1 1**. The phone automatically calls the voice mailbox number specified using MENU 1 4 4.


Read Messages (MENU 1 2)

When you have received an SMS message and there is enough message memory left, the text *MESSAGE RECEIVED* and the  indicator appears on the display and the phone beeps.

- ❶ To read the messages, press **MENU 1 2**. The number of new messages is displayed. If there are no messages, the text *NO MESSAGES* is displayed.
- ❷ Wait for the first page of the first new message to be displayed. The header shows the message status, *NEW*: (an unread message) or *OLD*: (a read message) and the time and date the message was received. When reading the message, pressing **M** allows you to make changes in the message. \wedge or \vee move the cursor left and right, respectively.
Pressing **R** copies the phone number from the current message onto display from which you can then dial it.
- ❸ Press \wedge or \vee to read all messages in sequence. If \vee is pressed repeatedly, the messages are displayed in the order in which they are stored in the memory. The index display shows the message number.
To clear a message, press **C**. The text *ERASE MESSAGE?* is displayed. Press **M** to confirm.
- ❹ Press **MENU** or press and hold **C** to quit the message feature.

Write Messages (MENU 1 3)

- ❶ Press **MENU 1 3**.
- ❷ Key in a message of up to 160 characters. To clear a character, press **C**. To insert a space, press # in alpha mode.
- ❸ When the message is ready, press **M** to store it.
- ❹ Press  and the phone requests the phone number.

- ⑤ Key in the phone number where you wish to send the message and press **M** or . Before you can send a message, you must have the phone number of your message service centre specified in the MENU 1 4 1. For this phone number, contact your network operator.

You can only send one message at a time. It takes a while to send the message and if it is successful, it will be confirmed by the network with *MESSAGE SENT*. If the message is not sent for some reason, the phone will report *SENDING FAILED*.

If you try to send another message while the previous one is still being sent, *SENDING PREVIOUS* will appear on the display.

Message Settings (MENU 1 4)

Within this menu you can enter the settings for the message service.

Message Centre (MENU 1 4 1)

This function allows you to enter the network's service centre number which is then automatically included in every message that is sent. For this phone number, please contact your network operator.

- ① Press **MENU 1 4 1**. The text *CENTRE NUMBER?* or the current service centre number will be displayed.
- ② Key in the number and press **M**.

Message Type (MENU 1 4 2)

This function allows you to send messages to facsimile or telex machines, as well as voice mailboxes; provided that your message service can handle these conversions. They must be sent to a fax, telex or voice mailbox phone number.

- 1 Press **MENU 1 4 2**. Press \wedge or \vee to select the value: STANDARD TEXT, FAX, X.400, PAGER, EMAIL, ERMES or VOICE MESSAGE. Press **M** to confirm.

Message Validity (MENU 1 4 3)

This function allows you to specify the period of time that your outgoing messages are to be stored in the message service centre.

- 1 Press **MENU 1 4 3**. Press \wedge or \vee to select the desired setting. Press **M** to confirm.

Voice Mail No. (MENU 1 4 4)

This function allows you to enter or change the phone number of your voice mailbox.


- 1 Press **MENU 1 4 4**. The message *PHONE NUMBER ?* or the current voice mailbox number will be displayed.
- 2 Key in the new number or edit the number displayed and press **M**.

MEMORY OPTIONS (MENU 2)

Dialled Calls (MENU 2 1)

The phone is able to store the ten last dialled phone numbers. The location number (0 to 9) is shown in the upper right corner of the display.

To view one of the ten last dialled numbers:

- 1 Press **MENU 2 1** or  to enter this function. The last dialled number will appear.
- 2 Press \wedge or \vee to scroll the phone numbers until you find the one you require.


- ③ Press  to redial the number displayed.

Received Calls (MENU 2 2)

The phone can store up to ten phone numbers/names from which you have been called. The location number (0 to 9) is shown in the upper right-hand corner of the display. When a new call comes in, the old numbers move up in the list.

This is a network feature, which only works in networks which allow you to view the caller's phone number.

You can view one of the last received calls either by pressing * and then **R** or through the menu:


- ① Press **MENU 2 2** to enter this function and press **M**. Then the phone number of the most recent caller will be displayed.
- ② Press \wedge or \vee to scroll the phone numbers. Press **ABC** to see the associated name.
- ③ Press  to dial the number displayed.

Missed Calls (MENU 2 3)

The phone can store up to ten phone numbers and names of the persons who have tried to reach you without getting any answer. The location number (0 to 9) is shown in the upper right-hand corner of the display. The phone will also store the caller's name if this can be found in any of the phone's or SIM card's memory locations. When a new call comes in, the older numbers move up in the list.

This is a network feature, which only works in networks which allow you to view the caller's phone number.

You can view one of the last missed calls either by pressing + (press * twice quickly) and then **R** or through menu:

- ❶ Press **MENU 2 3** to enter this function. The number of new calls will be displayed. Then the phone number of the most recent caller will be displayed.
- ❷ Press \wedge or \vee to scroll the phone numbers. Press **ABC** to see the associated name.
- ❸ Press  to dial the number displayed.

Note: The phone only registers missed calls when it is switched on and it is used within the network's service area.

Erase Calls (MENU 2 4)

This function allows you to erase all the phone numbers (and names) which are stored in Dialed Calls (Menu 2 1), Received Calls (Menu 2 2), Missed Calls (Menu 2 3) menus as well as those stored in the Notepad Memory.

- ❶ Press **MENU 2 4** to enter this function. The list of numbers will be erased.

The phone numbers are erased with no warning. You cannot undo the operation.

Select Memory (MENU 2 5)

This function allows you to choose between the two memories; the SIM card's memory A and the phone's memory B. The current memory selection is shown in the upper left-hand corner of the display.

- ❶ Press **MENU 2 5** to enter this function. Press \wedge or \vee to select the memory.

- ② Press **M** to confirm. If you selected the phone's memory, memory B, you may have to enter the security code. Then press **M** again.

Copy Memory (MENU 2 6)

This function allows you to copy phone numbers from the phone's internal memory to the SIM card's memory and vice versa.

- ① Press **MENU 2 6** to enter this function. If the security level "Memory Security" in Menu 5 2 is set, the phone asks for your security code. Key in your security code and press **M**.
- ② Press \wedge or \vee to select either *PHONE TO CARD* or *CARD TO PHONE*. Press **M** to select the option.
- ③ Press \wedge or \vee to select either *ONE BY ONE* or *COPY ALL*. Press **M** to select the option. If *COPY ALL* is selected, press **M** at the prompt *START COPYING?*. If *ONE BY ONE* is selected, scroll the memory locations with \wedge or \vee . Once you have the desired number/name on the display, press **M** to confirm.

Erase Memory (MENU 2 7)

This function allows you to erase information from memory locations. Note that only the memory locations in the currently selected memory A or B will be erased. Notepad memory locations will not be cleared.

- ① Press **MENU 2 7** to enter this function.

- ② Press \wedge or \vee to select either *ONE BY ONE* or *ALL AT ONCE*. Press **M** to select the option.
- ③ If *ONE BY ONE* is selected, key in the memory location or scroll through the locations to find the number or name to be erased and press **M**. Press **ABC** to toggle between number and name mode. If *ALL AT ONCE* is selected, the phone asks *ARE YOU SURE?* Press **M** to confirm.

Own Number (MENU 2 8)

This function allows you to check the phone number assigned to the SIM card.

Note that this feature is not available with all SIM cards.

- ① Press **MENU 2 8**. Then press **M**. The phone will show the number. Press **ABC** to see if there is any name associated with the number.

CALL DIVERT (MENU 3)

This function allows you to divert your incoming calls to another telephone number. For availability, please contact your network operator.

- ① Press **MENU 3** to enter this function.
- ② Press \wedge or \vee to scroll through the alternatives:
DIVERT CALLS (MENU 3 1) - divert all incoming voice calls
DIVERT IF BUSY (MENU 3 2) - divert incoming calls if your phone is busy
IF NO REPLY (MENU 3 3) - divert incoming calls if you do not answer them

IF NOT AVAILAB. (MENU 3 4) - divert incoming calls when your phone is outside the network coverage area or switched off

DIVERT FAXES (MENU 3 5) - divert incoming fax calls

DIVERT DATA (MENU 3 6) - divert incoming data calls

CANCEL ALL (MENU 3 7) - cancel all active call diversions

③ Press **M** to select the alternative.

④ Press \wedge or \vee to scroll through the alternatives:

ACTIVATE DIVERT, *CANCEL DIVERT* or

STATUS DIVERT. Press **M** to select the alternative.

If *ACTIVATE DIVERT* is selected, you are asked to key in the number to which the calls can be diverted. Key in the phone number and then press **M**. The phone sends the request to the network; *REQUESTING...*

If *CANCEL DIVERT* is selected, the phone sends the request to the network; *REQUESTING...DIVERT CANCELED*.

If *STATUS DIVERT* is selected, you can review whether the network has received your request and acted accordingly. Press \wedge or \vee to check the diverted services and press **ABC** to check the phone number.

PHONE SETTINGS (MENU 4)

Lights (MENU 4 01)

The phone's keypad and display are fitted with back-lights to make them easy to read.

- ❶ Press **MENU 4 01** to enter this function.
- ❷ Press \wedge or \vee to select either *LIGHTS ON* or *LIGHTS OFF*. Press **M** to confirm.

When set to on (LIGHTS ON) the lights are permanently on.

When set to off (LIGHTS OFF) they come on for 15 seconds whenever a key is pressed.

Brightness (MENU 4 2)

This function allows you to adjust the intensity of the lights.

- ❶ Press **MENU 4 2** to enter this function.
- ❷ Press \wedge or \vee to select the level of brightness and press **M** to confirm.

Ringling Volume (MENU 4 3)

This function allows you to select and demonstrate the ringling volume.

You can select from five different volume levels.

- ❶ Press **MENU 4 3** to enter this function.
- ❷ Press \wedge or \vee to select the desired level (*RINGING LEVEL 1* etc.). You will hear an example of the displayed level. Press **M** to confirm.

Ringling Type (MENU 4 4)

This function allows you to select and demonstrate the ringling tone type.

You can select from eight different ringling tone types.

- ❶ Press **MENU 4 4** to enter this function.
- ❷ Press \wedge or \vee to select the desired tone (*RINGING TYPE 1* etc.). You will hear an example of the displayed tone. Press **M** to confirm the setting.

Keypad Tones (MENU 4 5)

The phone emits a sound each time you press a key. This function allows you to select from three different keypad tone levels or turn the keypad tones off.



- ❶ Press **MENU 4 5** to enter this function.
- ❷ Press \wedge or \vee to select the option. Press **M** to confirm.

Warning Tones (MENU 4 6)

The phone will emit a warning tone e.g. in the following cases: a keying mistake is made, a call has not been properly terminated, the cellular network is currently too busy to allow new calls. This function allows you to set the warning tones on or off.

- ❶ Press **MENU 4 6** to enter this function.
- ❷ Press \wedge or \vee to select *TONES ON* or *TONES OFF*. Press **M** to confirm.

Auto Redial (MENU 4 7)

The number you are trying to call may be busy or the cellular network may be congested. This function allows you to set the phone to redial a number automatically. The phone will make up to ten call attempts. You can end the call attempts by pressing , by replacing the handset or restart the redialling by pressing .

- ❶ Press **MENU 4 7** to enter this function.
- ❷ Press \wedge or \vee to select *REDIAL ON* or *REDIAL OFF*. Press **M** to confirm the setting.

One Key Calling (MENU 4 8)

This function allows you to dial a phone number simply by pressing and holding the number of the memory location where the desired phone number is stored. This method can be used to dial phone number in locations 1 to 9.


- ❶ Press **MENU 4 8** to enter this function.
- ❷ Press \wedge or \vee to select *ONE KEY CALL ON* or *ONE KEY CALL OFF*. Press **M** to confirm.

Auto Answer (MENU 4 9)

This function allows you to set the phone to answer a call automatically after one ring. This function applies only to normal calls, not to data and fax calls. Auto Answer functions only when ignition is switched on and the handset is on the cradle.

- ❶ Press **MENU 4 9** to enter this function.
- ❷ Press \wedge or \vee to select *ANSWER ON* or *ANSWER OFF*. Press **M** to confirm.

Anykey Answer (MENU 4 10)

This function allows you to answer your incoming calls by pressing any key except ❶,  or the volume keys.

- ❶ Press **MENU 4 10** to enter this function.

- ② Press \wedge or \vee to select *ANYKEY ON* or *ANYKEY OFF*. Press **M** to confirm.

Cell Info (MENU 4 11)

When this function is set to on, the phone will indicate when it is using a network cell based on Micro Cellular Network (MCN) technology.

To switch the cell info display feature on or off:

- ① Press **MENU 4 11** to enter this function.
- ② Press \wedge or \vee to select the option. Press **M** to confirm.

Send Own Number (MENU 4 12)

This function allows you to send your own number, whenever you make a call. This function works only in cellular networks which allow you to view the caller's phone number. For subscription to this service, contact your network operator.

- ① Press **MENU 4 12** to enter this function.
- ② Press \wedge or \vee to select the option. *OWN No. PRESET* option reset the phone to the preferential setting (*OWN No. SEND ON/OWN No. SEND OFF*) that you have agreed upon with your network operator. Press **M** to confirm.

Call Waiting (MENU 4 13)

When this function is set on, the network will notify you of a new incoming call while you have a call in progress. Contact your network operator for subscription of this function.

- ① Press **MENU 4 13** to enter this function.

- ② Press \wedge or \vee to select *ACTIVATE WAITING* (set call waiting on), *CANCEL WAITING* (set call waiting off) or *STATUS WAITING* (show call types with which call waiting may be used).
- ③ Press **M** to select the option.
The phone calls the network operator and requests that the requested operation be performed.
- ④ If *ACTIVATE WAITING* or *CANCEL WAITING* is selected, call waiting is set on or off, respectively.
If *STATUS WAITING* is selected, the phone will list the call types to which call waiting applies or can be applied.
Press \wedge or \vee to scroll through the list.

Auto Pwr Off (MENU 4 14)

This function allows you to set the Auto Pwr Off function off or on as well as set the length of the power-off period.

- ① Press **MENU 4 14** to enter this function.
- ② Press \wedge or \vee to select the option.
- ③ If you selected *SELECT TIME*, key in the delay in hours (the range is 0-24 hours.) Press **M** to confirm.
If you want to disable the function, select *CANCEL* and press **M** to confirm.

Language (MENU 4 15)

This function allows you to select the language for the display texts and messages shown on the display. *AUTO SELECT* option selects the language according to the language of the SIM card.

- ① Press **MENU 4 15** to enter this function.
- ② Press \wedge or \vee to select the option. Press **M** to confirm.

SECURITY OPTIONS (MENU 5)

Your phone is equipped with a security system to prevent unauthorised use of the phone. Most of the security features grouped under this menu require a five-digit security code.

Pin Code Request (MENU 5 1)

This function allows you to set the phone to request a PIN code when your phone is switched on.

- ❶ Press **MENU 5 1**. Key in the PIN code and press **M**.
- ❷ Press \wedge or \vee to select the *REQUEST ON* or *REQUEST OFF*. Press **M** to confirm.

Note: The network operator may configure the SIM card so that you can not disable the PIN code request.

Security Level (MENU 5 2)

The phone can be set to one of three different security levels. When a security setting is active, certain features or the use of the phone are protected by the security code.

- ❶ Press **MENU 5 2**.
- ❷ Key in your security code and press **M**.
- ❸ Press \wedge or \vee to select the option:
 - NO SECURITY* - no security code is needed when you switch on the phone or when you select the phone's memory B
 - MEMORY SECURITY* - the security code is required when you select the phone's memory B.
 - PHONE SECURITY* - the security code is required if you insert a SIM card that the phone does not recognise as an owner card. After the correct security code is keyed in, the card is recognised as an owner card.

The phone keeps a list of the SIM cards which are used with the phone. This list may contain information on up to five different SIM cards.

Call Barring (MENU 5 3)

This network feature allows you to place restrictions on incoming and outgoing calls.

For further information, please contact your network operator.

- ❶ Press **MENU 5 3** to enter this function
- ❷ Press \wedge or \vee to select the option
ALL OUTGOING (MENU 5 3 1) - bars all outgoing calls
INTERNATIONAL (MENU 5 3 2) - bars all outgoing international calls
INT. EXCL TO HOME (MENU 5 3 3) - bars all outgoing international calls except those directed to the phone's home country
ALL INCOMING (MENU 5 3 4) - bars all incoming calls
INCOMING ABROAD (MENU 5 3 5) - bars all incoming calls when the phone has roamed to another network outside the SIM card's home country
CANCEL ALL (MENU 5 3 6) - cancels all active call barings
- ❸ Press **M** to confirm.
- ❹ After having selected a call barring alternative, press \wedge or \vee to select one of the following options:
ACTIVATE BARRING - activates the selected call barring service,
CANCEL BARRING - cancels the selected call barring service
STATUS BARRING - the network asks for the current

status of the call barring service.

Press **M** to confirm your choice.

- ⑤ If you select *CANCEL ALL* or the option *CANCEL BARRING* or *ACTIVATE BARRING*, the phone will ask for your network password.



Enter your password and then press **M**. The query is sent to the network and the phone displays *REQUESTING...* The network replies *BARRING ACTIVE* or *BARRING CANCELED*.

If you check the status of the barring option, you get a list of call types which have been barred.

Note: When calls are barred, calls may be possible to certain emergency numbers in some networks (e.g. 112 or other official emergency number).

Fixed Numbers (Menu 5 4)

Within this menu you can view the contents of the fixed dialling list that you created within Menu 5 5.

- ① Press **MENU 5 4** to enter this function.
- ② Press \wedge or \vee to scroll the names included in the list.
Press **ABC** to view the associated phone numbers.
Pressing  or **R** brings the number onto the display and lets you edit the number or call the number by pressing  again.
- ③ Press **C** to exit the list.

If you have selected Fixed List Off within Menu 5 5, the message *ALL ALLOWED* will be displayed.

Fixed Dialling (Menu 5 5)

You may restrict your outgoing calls to a pre-determined set of phone numbers. This is called 'fixed dialling'. This function works only with SIM cards which support it.

When the function is set on, you can only call a phone number which is included in the fixed dialling list or which begins with the same digit(s) as a phone number on the list.

For instance, if you have stored the digits +55 in one of the fixed dialling locations, you can call any phone number beginning with these digits, e.g. + 556 7836763.

- ❶ Press **MENU 5 5** to enter this function.
- ❷ Key in your PIN2 code and press **M** to confirm.
- ❸ Press \wedge or \vee to select *FIXED LIST ON*, *FIXED LIST OFF* or *EDIT LIST*.
- ❹ If you selected *EDIT LIST*, press \wedge or \vee to scroll through the following options:
ADD NUMBER: adds a name (and a number) to the list.
ERASE NUMBER: removes from the list the name and number one by one.
ERASE ALL: removes all names and numbers from the list
- ❺ Select the desired option and press **M** to confirm.
If *ADD NUMBER* is selected, key in the desired name at prompt *NAME?*. Next, press **M**. Then key in the phone number at the prompt *NUMBER?*.
Press **M** to store the name and number in the list.

If *ERASE NUMBER* is selected, the phone prompts for the first name to be removed along with the prompt *ERASE?*

You can scroll through the list of names by pressing \wedge or \vee . Confirm the erasing by pressing **M**.

If *ERASE ALL* is selected, the text *ARE YOU SURE?* will appear. To clear the fixed dialling list, press **M**.

Note: When the Fixed Dialling is set on, calls may be possible to certain emergency numbers in some networks (e.g. 112 or other official emergency number).

Change Codes (MENU 5 6)

With this submenu you can change the following access codes: Security code (Menu 5 6 1), PIN code (Menu 5 6 2), PIN2 code (Menu 5 6 3), Network Password (Menu 5 6 4).

- ❶ Press **MENU 5 6**.
- ❷ Press \wedge or \vee to select the access code that you want to change.
- ❸ Press **M**.
- ❹ Key in the current code and press **M**.
- ❺ Key in the new code and press **M**.
- ❻ Key in the new code again and press **M**.

Note: The access codes may only include characters 0 -9. To change the PIN code the PIN code request must be turned on in Menu 5 1.

Closed Group (Menu 5 7)

This network service allows the restriction of outgoing calls to and incoming calls from a selected group of people, called the user group.

For details on creating a user group and activating this service, contact your network operator.

- ❶ Press **MENU 5 7** to enter this function.
- ❷ Press \wedge or \vee to reach one of the following options:
NO GROUP: Calls can be made and received in the normal way.
PRESET GROUP: Resets the phone to use a preferential user group that the SIM card owner has agreed upon with the network operator.
SET GROUP: Sets the phone to use a particular user group. Calls can be made to or received from the members of the selected group only.
- ❸ Press **M** to select the desired option.
- ❹ If *SET GROUP* is selected, key in the number of the group you want to use (you obtain the number from your network operator). If you make a mistake, you can remove a character to the right by pressing the **C** key. After you have entered the number, press **M** to confirm.

Note: When calls are limited to Closed Groups, calls may be possible to certain emergency numbers in some networks (e.g. 112 or other official emergency number).

Restore Settings (MENU 5 8)

This function allows you to restore the settings of the menu functions to their default values. This is useful if you lose track of your customised settings. The memory, timers and language are not erased.

- ❶ Press **MENU 5 8**.
- ❷ Key in your security code and press **M**.
- ❸ After an successful operation the phone will display *RESTORED*.

List of factory settings:

Phone Settings

LIGHTS	On
BRIGHTNESS	Lights bright
RINGING VOLUME	3
RINGING TYPE	type 8
KEYPAD TONES	2
WARNING TONES	On
AUTO REDIAL	Off
ONE KEY CALLING	Off
AUTOMATIC ANSWER	Off
ANYKEY ANSWER	On
CELL INFO	Off
SEND OWN NUMBER	Preset
AUTO PWR OFF	1 hour

Security Options

SECURITY LEVEL	None
SELECT MEMORY	Memory A
MESSAGE VALIDITY	24 hours
NETWORK SELECT	Auto Select

FAX OR DATA (MENU 6)

This function allows you to send and receive data through a data interface and a data terminal connected to a phone. If there is no data terminal connected to the phone when you enter this menu, the message *CONNECT TERMINAL* will appear. Check that the data adapter is properly set up.

To send a data call:

- ➊ With the display clear, key in the phone number to which you wish to make a connection.
- ➋ Press **MENU 6** to start up the call. If the display was empty, the prompt *PHONE NUMBER ?* will appear on the display.

To answer an incoming data call:

- ➊ Connect the phone to the data terminal and press .

During transmission, the text *DATA CALL* or *FAX CALL* and the **D** indicator are displayed.

NETWORK SELECT (MENU 7)

Automatic Network Select

When you switch on your phone it will automatically attempt to register on the network it was last registered on. If the phone does not find that network, it will search for the home network which is the network run by the operator whose SIM card is in your phone. If the home network is not found, the phone will search for another available network which has a valid roaming agreement with your home operator, and it will automatically register on that network.

Selecting a Network Manually

In the manual network selection the phone will show a list of available networks from which you can select one. When the network is selected manually, the phone will not change to another network if it loses contact with the selected one. The phone will stay in manual mode until automatic mode is selected or another SIM card is inserted in the phone.


- ❶ Press **MENU 7**. Press \wedge or \vee to select *MANUAL SELECT*. Press **M**.
- ❷ The phone searches; *SEARCH ACTIVE ...*
- ❸ Press \wedge or \vee to scroll through the list of available networks.
- ❹ Press **M** to register on the network displayed.

If your home operator does not have a roaming agreement with the selected network, the message *NO ACCESS* is displayed. Another network must be selected.

NUMBER EDITOR (MENU 8)

This function allows you to add new digits to the front of a phone number or to edit a phone number.

- ❶ Key in or recall a phone number from the memory.
- ❷ Press **MENU 8** to activate this function. The first digit of the phone number will start blinking.
- ❸ To add a digit, press the desired number key. \wedge or \vee move the cursor right or left, respectively. To change an existing digit, first delete it by pressing **C** and then press the desired number key. If the number is more than 16 digits long, the last digits disappear off the side of the display and the $>$ indicator will appear on the display.

- 4 To exit the function, press **M** or wait for 10 seconds. Then press  to dial the edited number.

CALL INFO (MENU 9)

Call Timers (MENU 9 1)

This function allows you to view the duration of your outgoing and incoming calls in hours, minutes and seconds. The timers can also be cleared to zero.

- 1 Press **MENU 9 1** to enter this function.
- 2 Use the \wedge or \vee key to select the desired submenu. The submenus available are:
LAST (MENU 9 1 1) - indicates the duration of the last (or current) call
TOTAL (MENU 9 1 2) - indicates the duration of all the calls since they were last reset.
CLEAR TIMERS (MENU 9 1 3) - clears both call timers
- 3 Press **M**. If you selected *CLEAR TIMERS*, next key in your security code and press **M**. The message *TIMERS CLEARED* will confirm the operation.

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

Call Costs (Menu 9 2)

This network service allows you to check the cost of the last, or current, call or the total cost of all calls that you have made or received since the counters were last reset. The costs are shown in charging units or units of currency that you have set within Menu 9 4.

- ❶ Press **MENU 9 2** to enter this function.
- ❷ Press \wedge or \vee to select one of the following options:
LAST (MENU 9 2 1):
 Shows the cost of the last, or current, call.
TOTAL (MENU 9 2 2):
 Shows the total cost of all calls.
CLEAR COUNTERS (MENU 9 2 3):
 Resets all cost counters.
- ❸ If *CLEAR COUNTERS* is selected, press **M**. Next, key in the PIN2 code and press **M**.
 The message *COUNTERS CLEARED* will be displayed.

Note: The actual invoice for calls and services from your service provider may vary, depending upon network features, rounding -off for billing, taxes and so forth.

Cost Limit (Menu 9 3)

This function allows you to limit the total costs of outgoing calls to a specified number of charging units or units of currency that you have set within menu 9 4.

- ❶ Press **MENU 9 3** to enter this function.
- ❷ Key in the PIN2 code and press **M**.
- ❸ Press \wedge or \vee to select
SET LIMIT (turn limit on) or
NO LIMIT (turn limit off) and press **M** to confirm.
- ❹ If *SET LIMIT* is selected, key in the cost limit in charging units or units of the currency. Pressing the # or * key will insert a decimal point in units of a currency.
- ❺ Press **M** to confirm.

If you activated the cost limit, the quantity of remaining charging or currency units will be continuously shown on the display when in idle mode.

Costs Display (Menu 9 4)

This function allows you to select whether the call cost limits will be displayed in currency or charging units. Contact your network operator for charging unit prices.

- ❶ Press **MENU 9 4** to enter this function.
- ❷ Key in the PIN2 code and press **M**.
- ❸ Press \wedge or \vee to select
CURRENCY (show limits in currency units) or
UNITS (show limits in charging units) and press **M** to confirm.
- ❹ If *CURRENCY* is selected, key in the charging unit price and press **M**.
Pressing the # or * key will insert a decimal point.
If *UNITS* is selected, call costs limits and the number of remaining cost units will be shown in charging units.
- ❺ At the prompt *CURRENCY* key in the currency name that you want to use.
- ❻ Press **M** to confirm.

9. 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 to fulfill any warranty obligations and to enjoy this product for many years.

Keep the phone and all its parts and accessories out of small children's reach.

Keep the phone dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.

Do not store the phone in dusty, dirty areas. Its moving parts can 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 electronic circuit boards.

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

Do not drop, knock or shake the phone. Rough handling can break internal circuit boards.

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

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

10.IMPORTANT SAFETY INFORMATION

TRAFFIC SAFETY

Do not use a hand-held telephone while driving a vehicle. If using a hand-held phone park the vehicle before conversing.

Always secure the phone in its holder; do not place the phone on the passenger seat or where it can break loose in a collision or sudden stop.

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

Remember, road safety always comes first!

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.

Operation of any radio transmitting equipment, including cellular phones, may interfere with the functionality of 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, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position.

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

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

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

Electronic fuel injection systems, electronic anti-skid braking systems, electronic cruise control systems and other electronic systems can malfunction due to the lack of protection from radio signals.

Check regularly that all cellular phone equipment in your vehicle is mounted and operating properly.

Failure to observe these instructions may lead to suspension or denial of cellular telephone services to the offender, or legal action or both.

EMERGENCY CALLS


IMPORTANT!

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

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.

To make an emergency call:

- ❶ If the phone is not on, switch it on.
Some networks may require that a valid SIM card is properly inserted in the phone.
- ❷ Press and hold **C** key for several seconds to ready the phone for calls.
- ❸ Key in the emergency number for your present location (e.g. 112 or other official emergency number). Emergency numbers vary by location.
- ❹ Press the  key.

If certain features are in use (e.g. Call Barring), you may first need to turn those features off before you can make an emergency call. Consult this document and your local cellular service provider.

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

USING THIS GUIDE

The cellular phone described in this guide is approved for use in the GSM network.

A number of features included in this guide are called Network Services. They are special services provided by cellular service providers. Before you can take advantage of any of these Network Services, you must subscribe to the service(s) you require from your home service provider. You can then activate these functions as described in this guide.

The manual activation commands for various services are not presented in this guide (e.g. using * and # characters for activating or deactivating services). The phone nevertheless is capable of handling commands given in that form. For these commands please consult with your service providers.

IMPORTANT!

Use only accessories approved by the phone manufacturer. The use of any other types will invalidate any approval or warranty applying to the phone, and may be dangerous.

GLOSSARY

Access code

A general term for the numeric passwords which are required to access various phone and network functions. The following access codes are available: PIN code, security code, network password, PUK code

Alpha mode

letters (and numbers) can be keyed in and displayed. While in alpha mode, the **ABC** indicator is displayed

Call barring

restriction of outgoing or incoming calls

Call divert

direct incoming calls to another phone number

Dual Tone Multi-Frequency (DTMF) tones

Tones that allow you to control answering machines, computers, banking systems etc.

GSM

Global System for Mobile Communications

Home network

The network run by the operator whose SIM card is currently used in the phone

Message centre

a service centre which handles the transfer of short messages in the network.

Network operator

an organisation maintaining a cellular network and providing telecommunication services.

Number Editor

a function which allows, for example, an international prefix to be added to the front of a phone number or to edit a phone number recalled or keyed in.

Numeric mode

only numbers can be keyed in and displayed.

Password

a secret code used to control the barring services of the network.

PIN

Personal Identification Number

PIN and PIN2 codes

secret codes used to control the use of the SIM card.

PUK

Personal Unblocking Key

PUK and PUK2 Codes

secret codes used to unblock the SIM card when it has been blocked because an incorrect PIN/PIN2 code was used.

Roaming

the phone is using a network other than the home network. Roaming is possible only if your home system and the host system have a mutual roaming agreement

Security code

a secret code needed to access various features of the phone

SIM

the Subscriber Identity Module

SIM card

a smart card used in a phone containing all the subscriber number information and additional information about the subscriber. A SIM card is needed to use the phone

Short Message Service

a telecommunication service where the subscriber can send and receive text messages of up to 160 characters.

Subscriber number

telephone number

Voice mailbox

a network function that can be used as an answering machine for spoken messages sent to the subscriber

Voice message

spoken message stored in the voice mailbox