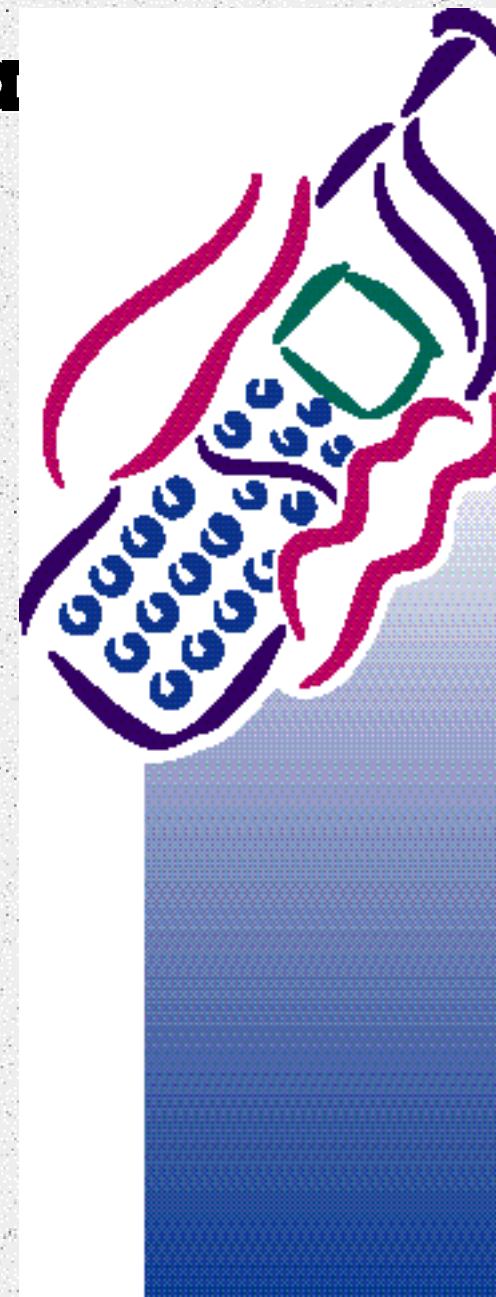


Quick Guide

- Unlock the SIM (ON) ▪ PIN1 ▪
- National Calls FULL NUMBER ▪
- International Calls ▪ (* hold) COUNTRY CODE ▪
FULL NUMBER ▪
- View Call List ▪ / ▪
- Emergency Calls (or local number) ▪
- Ending Calls
- Answering Calls
- Earpiece Volume Volume keys

maxon
MX 3204

ma
MX




















- weight 88g*
- volume 125cc
- dimensions 131 x 45 x 21mm
- SMS (send and receive)
- cell broadcast
- call forwarding
- call barring
- call hold / call waiting
- conference calls
- advice of charge
- ring options
- missed call counter
- DTMF tones
- key lock
- status indicator
- scratch pad
- plug-in SIM
- fixed dialled numbers
- vibrating battery option
- 4 lines of 12 characters display

* without battery

GB

02155055 Issue: 1 10/97



















































-  Dial a displayed number and answer an incoming call
-  End a call, store an entry and exit a feature
-  Switch the phone ON and OFF
-  Upward search
-  Downward search
-  Enter the phone book or go back one step in the menu
-  Enter the menu or select a menu feature
-  Clear a number
-  Battery power level
-  Signal strength
-  Network operator name
-  Earpiece
-  Microphone
-  Retractable antenna
-  Indicator
-  Ringing buzzer
-  Volume adjustment

Contents

- Introduction
- Security
- Safety
- Getting Started **1**
- Calls **2**
- Basics **3**
- The Phone Book **4**
- Network Features **5**
- Troubleshooting **6**
- Accessories **7**
- Index **8**

The phone is normally set up to automatically show display text in the language of the SIM. If this is not the case, please refer to section 3 for language change instructions.

ENGLISH

- Billing  6 2 1    
- Keypad Lock/Unlock  * 
- Read SMS Messages  1 1    
- Operating Mode  7 1    
- Forward All Calls  4 2   NUMBER 
- Menu Features**
- Selections    (group)    
-   (feature)    
- Looking Up Phone Book Numbers**
- By Name    PART NAME    
- By Location       

Security

- if your phone is lost or stolen you must report it to your network operator or service provider so that they can bar the phone and SIM from use. This is important as you may be liable for the cost of unauthorised calls until the equipment is barred
- when you ring the network operator or service provider they will need the IMEI number of the phone. This is printed on the label attached to the back of the phone under the battery. **Copy the number onto the label below for future reference**



- you can help prevent mobile phone crime by taking the following precautions:
 - always have the SIM PIN enabled and change it if you think someone else knows the number
 - don't leave your phone visible in a vehicle when you leave it. Take the phone with you or lock it in the boot or glove compartment
 - set call bars to limit fraudulent use

Introduction

Congratulations on choosing the Maxon MX-3204 GSM mobile phone.

The MX-3204 has been designed to operate on any digital GSM network subject to individual network roaming agreements. GSM is becoming a worldwide standard communications system giving you the freedom to stay in touch wherever you are.

Your mobile phone is intended for use with the supplied rechargeable battery, quick charger and any of the approved accessories shown in section 7 of this user guide. Other usage will invalidate any approval and warranties given to this equipment and may be dangerous.

The MX-3204 conforms to the GSM type approval for class 4 mobile phones and is prepared for phase 2 specification to meet future network development.

Maxon Cellular Systems (Denmark) A/S reserve the right to make changes and improvements to any of the products described in this guide without prior notice.

Safety

Personal

- operation of any radio equipment including mobile phones, may interfere with the function of inadequately shielded medical devices such as hearing aids and pacemakers. You must consult the manufacturer of the device or your physician before use
- observe restrictions on the use of radio equipment in fuel depots, chemical plants, in areas where explosive gases are present or where blasting operations are in progress. Your mobile phone will continue to transmit call responses if left in standby mode. You must switch off when requested to do so
- do not move the antenna close to, or touching any exposed part of the body when making a call, a damaged antenna may cause a minor burn

Mobile Phone

- your mobile phone produces magnetic fields, do not place next to magnetic storage media such as computer diskettes
- operating your mobile phone close to other electrical equipment such as televisions, phones, radios and personal computers, may cause interference
- do not expose your mobile phone to strong sunlight, direct heat or liquids (such as water)

Battery

- do not short circuit the battery terminals. This will damage the battery, produce heat and may cause a fire
- never dispose of batteries in a fire as this can cause them to explode. Return dead batteries to your supplier or an approved recycling centre. **DO NOT** put in with the household waste

WARNING: *If the battery case breaks, avoid contact with the contents. Wash contaminated skin with lots of water and seek medical attention if necessary.*

On the Road

- before making or receiving calls acquaint yourself thoroughly with the applicable local laws and guidelines regarding the use of mobile radio telephones and observe them at all times
- air safety bags, anti-lock brakes, speed control and fuel injection systems are normally immune to radio transmissions but if you experience problems, consult your vehicle dealer
- switch off your mobile phone when refuelling or where there are signs restricting the use of 2-way radio equipment. Do not store or carry flammable or explosive materials in the same compartment as your mobile phone, internal sparks could cause ignition

Inside Aircraft

- switch off your mobile phone when in an aircraft. The use of mobile phones in an aircraft may be dangerous to the operation of the aircraft, disrupt the cellular network and is illegal

Getting Started

Read this section before attempting to use your phone. It tells you how to attach, charge and care for the phone's battery. We have also included general information about the digital GSM network and given instructions of how to insert and unlock the SIM. Your phone has an indicator to visually show its status when you cannot see the display. Details about the indicator are also shown in this section.

The Battery	1.1
Attaching and Removing the Battery	1.1
Charging the Battery	1.1
Battery Performance	1.3
Battery Power Level	1.3
Network Connection	1.4
The SIM	1.4
Inserting the SIM	1.4
Unlocking the SIM	1.5
Connecting to the Network	1.6
The Indicator	1.7
Indicator Colours	1.7
Indicator Flash Speed	1.7
Indicator Operation	1.7

The Battery

Your phone is supplied with a rechargeable battery and quick charger. Before you use the phone for the first time, it is important that you **FULLY CHARGE THE BATTERY**. Failure to do this will affect the life of the battery and reduce operating times between recharges.

Full battery capacity will only be achieved after fully charging and discharging the battery two or three times.

Removing and Attaching the Battery

- to remove, press the release catch ① then slide the battery off the phone ②
- to attach, place the battery on the phone ③ then slide in the direction of the arrow to lock in position

Charging the Battery

- insert the charger connecter into the base of the phone ④
- plug the charger into the power supply. A filling battery symbol and 'CHARGING' in the display indicates charging
- the battery is recharged when the symbol remains all black and 'CHARGING COMPLETED' appears. This takes approximately 1 hour dependent on the size of the battery. It is normal for the battery, phone and charger to become warm during charging
- after charging, switch OFF the power supply then disconnect the charger from the phone and the power supply

WARNING: Charge the battery in a well ventilated area between +5°C and +40°C using the supplied charger. The use of non approved chargers could result in a fire or injury through an electrical shock and will invalidate all warranties given on this product.



Network Connection

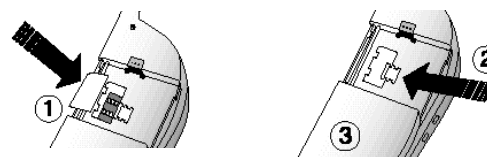
The SIM

Your network provider will supply you with a plug-in SIM for use with your phone. The SIM (Subscriber Identity Module) is your personal key to the digital GSM network.

All the information needed to connect you to the network and to initiate billing for your calls is stored in the gold plated area along with names, numbers and messages which you have entered into the phone book or received. The SIM can be removed and inserted into any GSM phone using the same size reader (the new phone automatically takes the identity of the SIM).

To prevent losing or corrupting information, avoid touching the gold area and do not place the SIM near electrical or magnetic fields. A damaged SIM will not allow you to access the GSM network.

WARNING: Always switch the phone OFF before removing the battery or SIM. Never insert or remove the SIM when an external power supply (e.g. the quick charger) is connected, otherwise the SIM may be damaged.



Inserting the SIM

The SIM will probably be supplied in a card holder and you'll need to carefully press it free before fitting.

- switch OFF the phone, remove the battery (if attached) and any external power supply
- insert the SIM under the two lugs ① so that the gold area is facing down and the angled corner is positioned as shown in the diagram
- engage the lock ② and attach the battery ③
- if you need to remove the SIM, remove the battery, disengage the lock then carefully lift and slide the SIM from the phone

Battery Performance

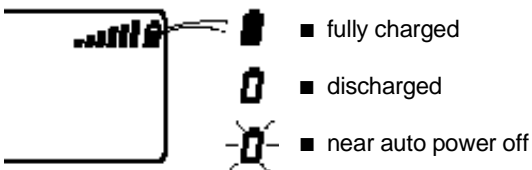
To maintain battery performance you should operate the phone until you see the low power warning message or preferably, the phone switches itself OFF, then **FULLY RECHARGE**. If the battery is only partly used before recharging it can self adjust to holding a reduced charge with the resultant progressive reduction in operating times.

Because it is not always convenient to wait for the phone to switch off, there is a self discharge feature which will safely discharge the battery in the minimum time. This feature won't work when the phone is connected to the charger. Please refer to section 3 for activate instructions.

The standby and talk times quoted are estimates based on ideal operating conditions. Battery life achieved in use will vary between networks and with different conditions and applications.

Battery Power Level

The battery power level is shown in the top right corner of the display when you switch the phone ON. Five levels are displayed from full (all black) to empty.



The phone will automatically switch OFF shortly after the empty battery symbol starts flashing and 'LOW BATTERY' appears on display. You can clear the message temporarily by pressing any key.

The indicator also flashes red to warn of low battery power provided that the feature is activated (refer to page 1.7 for details).

Unlocking the SIM

To prevent unauthorised use, the SIM is protected by a PIN1 (Personal Identity Number) code. When enabled, you must enter the PIN1 each time you switch your phone ON. This will unlock the SIM and allow you to make and receive calls. You can choose to disable the PIN1 (refer to section 3) in which case your SIM will not be protected against unauthorised use.

- press and hold **⓪** to switch the phone ON

- enter the **PIN1** then **#** (use the **C** key to clear an error). For example if the PIN is set to 1234

1 2 3 4 ■ **#**

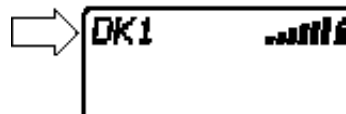


If you enter the wrong PIN1 three times in succession, your SIM will be barred from the network and the phone will ask for the PUK 1. Refer to section 6 for help.

IMPORTANT: *The supplied PIN1 (4 to 8 digits) may be a standard number used for all SIM's issued by your network operator, you should therefore change it to any personal number of your choice as soon as possible. Please refer to section 3 for instructions.*

Connecting to the Network

After unlocking the SIM, the phone will make an automatic search for your home network or another suitable operator in your location ('SEARCHING' displayed). When connected, the name of the operator appears in the top left of the display.



Your mobile phone is now in standby mode, ready to make and receive calls.

'EMERGENCY CALLS ONLY' means that you are outside co-operating network coverage but you can still make emergency calls subject to signal strength.

The indicator also flashes green when your phone is ready to make and receive calls provided that the indicator feature is activated (refer to page 1.7 for details).

Calls

After setting up the phone, you'll want to make and receive calls. This section gives you all the basic information you'll need.

Making Calls	2.1
National Calls	2.1
Calls to a Fixed Phone Extension	2.2
International Calls	2.2
Call List	2.2
Emergency Calls	2.3
Answering Calls	2.3
Missed Calls	2.3

The Indicator

The phone has a built-in indicator which can show Red, Green or Yellow and flashes at different speeds according to the status of the phone and battery. You can switch the indicator OFF and ON again at any time to suit your operating needs.

■ to switch the indicator ON and OFF



Indicator Colours

RED: Not connected to the network or low battery

GREEN: Connected to network

YELLOW: Battery discharging

Indicator Flash Speed

The indicator has the following flash speeds:

Normal  ← OFF → 

Information  ← OFF → 

Alert  ← OFF → 

Indicator Operation

Normal: In service

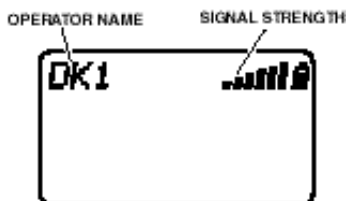
Information: Missed calls, low battery, SMS messages etc.

Alert: Incoming call

The indicator will show solid RED if charging the battery when the phone is switched OFF. It will turn to solid GREEN when the battery is fully charged.

Making Calls

The network operator name must appear in the top left of the display before you can make or receive calls. Signal strength is indicated by the bars in the top right of the display (six bars for optimum signal strength).



You can use the phone with the antenna fully retracted (pushed in) but best reception is obtained with the **ANTENNA FULLY EXTENDED**. The antenna does not work between the two positions (low or no signal strength).


Call quality can be affected by physical obstructions, so moving only a few metres may significantly improve signal strength.

National Calls



- if the country you are operating in uses area codes, they must be included even when making local calls. 'CALLING' appears during dialling and changes to 'ACTIVE' when connected




AREA CODE ■ NUMBER ■ 
(if used)


- to hang up at the end of the call press 
(even if the other person hangs up first)

Calls to a Fixed Phone Extension

- some fixed extension phones cannot be called direct, you need to connect to the exchange before dialling the extension number. The phone will do all the dialling for you with one key press provided that you enter a pause (-) between the telephone (exchange) number and the extension number. To enter a pause, press  three times (shown as  below)

AREA CODE ■ NUMBER ■  **EXTENSION ■** 
(if used)

International Calls

- unlike most fixed phones, you don't need to enter a separate exit code to get an international line out of the country you are calling from, simply enter '+' (by pressing  until + is displayed), the code of the country you are calling and the full telephone number

 **COUNTRY CODE ■ FULL NUMBER ■** 


- for example, to make a call to France:

 (+ displayed) ■   **FULL NUMBER ■** 

Call List

- called and received numbers are stored as a list in the phone with the last number at the top of the list. Each number is identified as outgoing, incoming, SMS or missed. Old numbers are automatically deleted when the call list is full. To see the list

 (latest) ■  /  (search)

- any displayed number on the list can be dialled by pressing 

- the call list can be reset (cleared)

 ■    ■  /  ■ 

Basics

This section will help you to get to know the phone's feature, phone book and call menus, provides details about customising the phone for your own use and shows you how to use the basic operating features.

The Feature Menu	3.1
Selecting by Search	3.1
Selecting by Number	3.1
Feature Menu Structure	3.2
Call Menu Structure	3.2
Phone Book Menu Structure	3.3
Customising	3.4
Display Text	3.4
Greeting Message	3.4
Ring Tones and Melodies	3.4
Vibrating Battery	3.4
Keypad Sound	3.4
Information Tones	3.5
Backlight	3.5
Redialling	3.5
Indicator	3.5
Keypad Lock	3.6
SIM PIN 1 Change	3.6
SIM PIN 2 Change	3.6
Basic Features	3.7
Billing (Advice of Charge)	3.7
Battery Discharge	3.8
Voice Mail	3.8
DTMF Tones	3.9
Earpiece Volume	3.9
Scratch Pad	3.9
Any Key Answer	3.10
Reset	3.10

Emergency Calls

- it should be possible to call the emergency services in any country which uses the digital GSM network provided you are within network coverage (check for signal strength bars). If your network operator does not have a roaming agreement in the area (no displayed name) 'EMERGENCY CALLS ONLY' will appear to let you know that this type of call is available.

It is possible to make the call even if the SIM has been removed provided that you are within network coverage



- 112 is the standard GSM emergency number which can be used on any GSM network worldwide
- a local alternative to 112 can be stored in a reserved slot in the phone, please refer to section 4 for details

Answering Calls

- to answer an incoming call when the phone rings and <<<📞>>> appears on display **fully extend the antenna** for the best performance then press
- to hang up at the end of the call press (even if the other person hangs up first)







Missed Calls

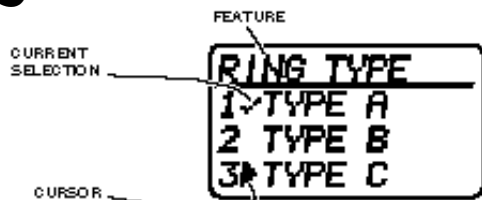
- If you do not answer an incoming call the phone will store the calling number in the 'Call List' and display the number of missed calls
- clear the message then search through the 'Call List' for the calling number



The Feature Menu

All the operating features of the phone are stored in the easy to use menu. A feature can be selected direct via its feature number (see list on next page) or by searching and selecting using the keys (to move the cursor) at the top of the keypad as follows:

-  - enter the feature menu
-  - select a menu group or feature
-  - search through the groups and features
-  - go back one step
-  - hold to exit the menu
-  - store an entry or exit a feature



Selecting a Feature by Search





Selecting a Feature by Number

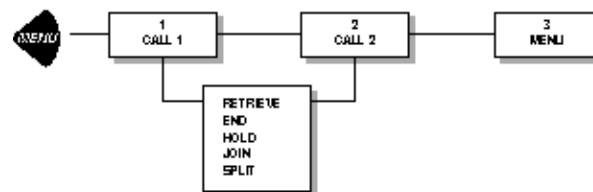
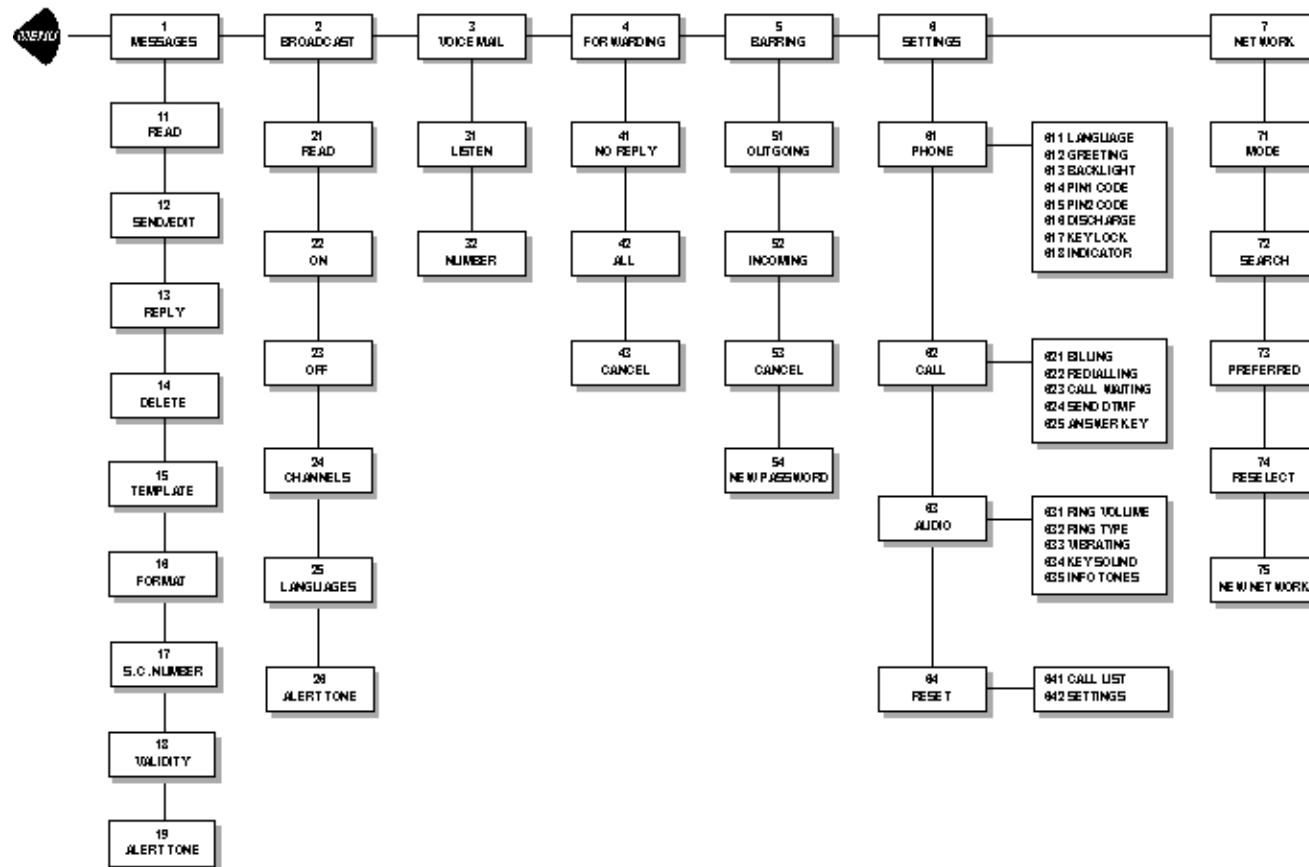


for example, to change the ring type:



Please note that you can press and hold  or  to exit a menu feature (the phone will exit on it's own after a long delay).

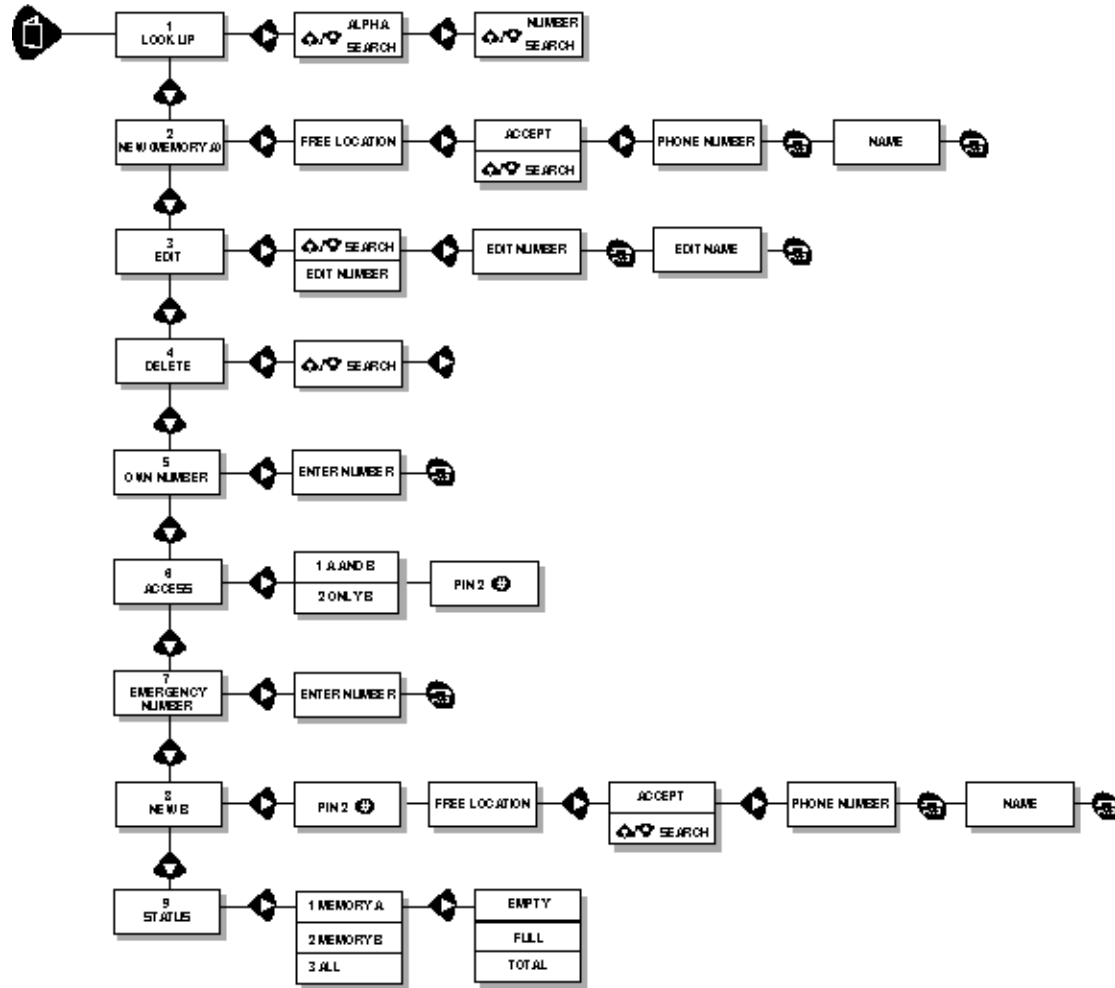
Feature Menu Structure



REMOVE THIS LINE

Customising

Phone Book Menu Structure (see section 4 for details)



Display Text

- the phone will display text in the language of the SIM ('AUTOMATIC') or you can choose a language from a list

MENU ■ 6 1 1 ■ ▲/▼ ■ (select)

Greeting Message

- you can input a 36 character message (3 lines of 12) to be displayed each time the phone is switched ON

MENU ■ 6 1 2 ■ INPUT MESSAGE ■ END

- please refer to 'The Phone Book' (page 4.1) if you don't know how to enter text. The number of characters remaining for the message is shown in the top right of the display

Ring Tones and Melodies

- the volume and type of ring tone can be changed

volume: MENU ■ 6 3 1 ■ ▲/▼ ■ (select/hear)

type: MENU ■ 6 3 2 ■ ▲/▼ ■ (select/hear)

Vibrating Battery

- if you have a vibrating battery you can set the phone to vibrate (refer to above)

MENU ■ 6 3 3 ■ ▲/▼ ■ (select)

Keypad Sound

- to change the sound of the keypad (beep, tones, off)

MENU ■ 6 3 4 ■ ▲/▼ ■ (select and hear)

Information Tones

- you can switch the information tones (see list below) ON and OFF

 ■ **6 3 5** ■  /  ■  (select)

- an information tone sounds when:

- the battery is low
- a call is proceeding
- switching the phone ON/OFF
- auto redialling
- location update
- call set up fails etc.

Backlight


- the backlight can be switched off to save battery power or set to automatically switch on for several seconds each time a key is pressed

 ■ **6 1 3** ■  /  ■  (select)

Redialling

- you can set the phone to automatically redial an engaged (busy) number (up to 10 attempts are made). A tone sounds at each redial and when the call is connected

 ■ **6 2 2** ■  /  ■  (select)

- to stop redialling at any time press 

Indicator

- the indicator on the top of the phone can be switched ON and OFF (refer to section 1 for the indicator function)

 ■ **6 1 8** (INDICATOR) ■  /  ■  (select)

Keypad Lock


- you can lock the keypad to help prevent unauthorised or accidental use of your phone. There are three lock options:

LOCK NOW - lock the keypad immediately

MANUAL - you must lock the keypad by pressing  ■ 

AUTOMATIC - the keypad will lock at each period of inactivity (shortly after the last key is pressed) except when you are in an editor

 ■ **6 1 7** ■  /  ■  (select)

- incoming calls can be answered when the keypad is locked by pressing  but you must unlock the keypad to make a call or use the other features

- to unlock the keypad press  ■ 

SIM PIN1 Change

- your SIM is protected by a secret PIN1 to prevent unauthorised use. If you want to change the PIN1 you can change it to any four to eight digit PIN of your choice

 ■ **6 1 4** ■  ■ **OLD PIN1 #** ■

NEW PIN1 # ■ **NEW PIN1 #**

- the PIN can be disabled to allow other people to use your phone without having to reveal the PIN. Remember to enable the PIN1 again after their use

 ■ **6 1 4** ■  /  (ON/OFF) ■  ■

PIN1 #

SIM PIN2 Change

- a second PIN (PIN2) is used to protect Memory B on the SIM (refer to page 4.1 for details). You can change the PIN2 just like the PIN1

 ■ **6 1 5** ■  ■ **OLD PIN2 #** ■

NEW PIN2 # ■ **NEW PIN2 #**

Basic Features

Billing (Advice of Charge)

The phone has built-in call timers which can be used to display the cost of outgoing calls and limit the use of the phone by cost. To enable the feature to work you must select the currency and enter the current call price per unit.

This advice of charge feature is not supported by all network operators and may be subject to tariff restrictions.

Viewing Call Costs

- call cost information is displayed in the following order:

LEFT - the remaining amount of the maximum allowed costs

LAST - the cost of the last call

TOTAL STATUS - the cost of all calls since the last reset

TOTAL CLEAR - select to reset the total cost (status)

MAXIMUM STATUS - the maximum allowed cost

MAXIMUM EDIT - select to change the maximum allowed cost



Setting Up Billing

- all the call cost information that you need to enter can be checked and edited through one menu:

STATUS - check the current rate and currency

PRICE/UNIT - edit the call price per unit

CURRENCY - select a currency



Battery Discharge

- it is important to fully discharge the battery once in a while before recharging. This can be achieved quickly and safely by selecting one of the following discharge options

This feature won't work when the phone is connected to the charger.

DISCHARGE NOW - discharging will start immediately, you won't be able to use the phone unless you remove and refit the battery

AUTOMATIC - when the battery level drops to the point where the phone automatically switches OFF, discharging will commence

MANUAL - discharging will not start until DISCHARGING NOW is selected



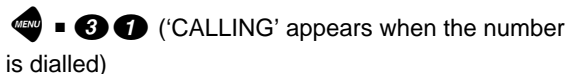
- the discharge message will disappear when the battery is ready for recharging. If you need to use the phone during discharging, switch off the phone then operate as normal (provided there is sufficient power left in the battery)

Voice Mail

- if you subscribe to a voice mail service, you can enter your message retrieval number into a reserved memory slot then select 'LISTEN' to hear your message
- to enter the voice mail number



- to listen to your messages



DTMF Tones

- your phone automatically generates DTMF tones so that you can control advanced facilities such as paging, messaging and home banking services. The tones can be annoying to your caller when entering numbers on display during a call (refer to 'Scratch Pad') and could cause accidental operation of a connected facility. To prevent this you can switch the tones OFF and ON when necessary



Earpiece Volume

- to adjust the earpiece volume at standby or during a call press the volume keys on the side of the phone
 - ▼ (decrease) ■ ▲ (increase)
- the volume keys can be used to adjust the earpiece volume when you are working with the feature menu

Scratch Pad

- whilst engaged in a call, you can make a note of a telephone number using the keypad. You may want to inform your caller that audible tones will be generated when you press the keys (you have the option to turn the tones OFF, refer to DTMF tones above)
- the noted number is stored in the phone as the last dialled number (refer to Call List on page 2.2), so you can recall and dial it later. If other numbers are dialled before recall, you will have to search for the noted number in the list



Any Key Answer

- you can set the phone to answer incoming calls via the key or the volume keys and, **0-9**, and **#** keys



Reset

- the phone can be reset to the original manufacture settings (see the list below)



- Ring type: Type C
- Ring volume: 5 bells
- Key sound: Tones
- Info tones: On
- Backlight: Off
- Discharge: Manual
- Send DTMF: On
- Redialling: Off
- Broadcast alert: Off
- Answer key: <Send>
- Greeting: Maxon MX-3204
- Cell Broadcast: Off
- Reset of call list
- Keypad lock: Off
- Indicator: On
- Vibrate mode: Off
- Message alert: On
- Network mode: Automatic
- Display language: Automatic

The Phone Book

Everything you need to know about the phone book has been grouped together in this section, from storing names and numbers to recalling and dialling.


The Phone Book	4.1
Storing Information	4.1
Storing a Number and Name	4.2
To Look up a Number	4.2
Phone Book Dialling	4.2
To Edit	4.2
Deleting Entries	4.3
Your Own Number	4.3
Memory Access	4.3
Emergency Number	4.3
Memory Status	4.3

The Phone Book

The phone can store telephone numbers and names onto the SIM. This means that you will always have important numbers with you, even if the SIM is being used in a different phone. The number of memory locations and the number of characters and digits that you can store in each location are SIM dependent.








Every SIM has a MEMORY A, and some have an additional MEMORY B which is protected by the PIN2. Please refer to separate heading 'Memory Access' for details of MEMORY B.


Storing Information

- each dialling key is used to enter several characters (see below). Repeatedly press the key that shows the character that you want until it appears on the display. Wait for the cursor to move before entering the next character
- when you need a space, press **1** or  once. Holding down a key will change from upper (A) to lower (a) case characters. Press and hold again to change back
- use the **C** key to clear errors, a short press for the last character or press and hold for the complete entry

1 1 SPACE	7 7 P Q R S 7 p q r s
2 2 A B C Å Ä Æ 2 a b c å ä æ	8 8 T U V Ü 8 t u v ü
3 3 D E F É 3 d e f é	9 9 W X Y Z 9 w x y z
4 4 G H I 4 g h i	* + - / =
5 5 J K L 5 j k l	0 & () % £ \$ ¥ ¤ @ \$
6 6 M N O Ö Ø 6 m n o ö ø	# . , ; : " ' ? ! ; ç






Storing a Number and Name

- enter the phone book menu 
- select NEW for MEMORY A **2**
or NEW B for MEMORY B **8**
(or  
- select a location number from the list  /  
- enter the telephone number, it is a good idea to always add + and the country code to a phone number then you can use your phone book abroad and it will still work inside your own country
- enter the name **NAME** 

NUMBER 





*Press and hold **C** or **END** to exit the phone book.*

To Look up a Number










- enter the phone book and select LOOK UP 
- to look up in alphabetical order  / 
- to look up in location number order  

Phone Book Dialling

There are four ways to dial a stored number.

- press and hold **SEND** to dial number stored in location 1
- look up the number (see above) **SEND**
- enter location number, press **#** for MEMORY A or ***** for MEMORY B to view the number then **SEND**
- enter the phone book, press  then the initial letters of name
  **INITIAL LETTER** 

To Edit

- enter the phone book and select EDIT  **3**
(or  
- look up the name and select  / 
- edit the number and store  /  **C** 
- edit the name and store **C** 

Network Features

In addition to making and receiving calls, the digital GSM network offers other advanced benefits detailed in this section. Some of the features may not be supported by your network operator or by a foreign network when roaming.

Text Messages	5.1
SMS Messages	5.2
Cell Broadcasts	5.6
Call Forwarding	5.8
Call Barring	5.9
Network Selection	5.11
Call Menu	5.13

Deleting Entries

- enter the phone book and select DELETE



- look up the name and delete

Your Own Number

- you can store your own number if the SIM supports it



- if your SIM doesn't support your own number, you can store it in the Phone Book

Memory Access

- if your SIM has two phone book memories (MEMORY A and MEMORY B) you can choose to allow access to both A and B or only B (sometimes MEMORY B is referred to as Fixed Dialed Numbers)
- if you have selected ONLY B, you can **only** call numbers stored in MEMORY B



- activating ONLY B locks supplementary network services such as call forwarding, call barring, sending SMS and call waiting. You must deactivate before you can change the status of these services
- selecting A and B reinstates Memory A and gives access to call any number

Emergency Number

- you can enter an alternative emergency service number into a special location



Memory Status

- you can display the number of free, occupied and the total number of entries in either or both memories



SMS Messages



Receiving SMS Messages

- an alert tone sounds each time a new message is received (this can be disabled, refer to page 5.5) then the message is automatically stored on the SIM. The number of stored messages (including messages to be sent) is dependant on the capacity of the SIM, therefore it is important to delete old messages as soon as possible

Reading SMS Messages

- enter the READ menu and select the message you want, unread messages are indicated by a black diamond

 ■   ■  /  ■  (read)

- the first message display contains details of the sender, the next contains the message
- if the message includes a reply number, position the cursor on the number then press  to dial
- press  to exit message reading


Sending SMS Messages

- before you can send a message you must:
 - enter your Service Centre number, you only need to do this once. Refer to page 5.5
 - create and store a message in the SIM memory (you need to include the number where the message is to be sent). Refer to page 5.4

Text Messages

Your phone can send and receive short text messages provided that your network operator supports the service (you may have to pay a subscription). There are two types of messages, SMS and Cell Broadcasts.

SMS Messages (refer to page 5.2)

Messages of up to 160 characters can be sent specifically to your phone via a Service Centre. If the message contains a reply number, you can dial it direct by placing the cursor under the number then press . The phone also gives you the facility to send a reply message or send new messages (via a Service Centre) to other digital GSM phones operating on a suitable network. If the SMS service is supported by your network operator, you should be able to receive and send messages in your home country and from abroad.

Cell Broadcast (refer to page 5.6)

These are general information messages sent out by the network operator or an approved information supplier. Cell broadcast messages are typically local weather and travel/traffic reports, stock market prices, sports results or maybe specialist network services.

To enable you to view the information you must enter the channel number or code supplied for each service and a language then switch the feature ON. The number of channel locations on the SIM is limited to its memory capacity, so you may have to overwrite old channel numbers to enter new ones.

To Send a SMS Message

- enter the SEND/EDIT menu, select the message, edit if necessary then send. Messages that have not been sent successfully or not sent yet are marked by a black diamond

■ **1** **2** ■ (SELECT) ■ (EDIT) ■ ■
 (SAVE) ■ (CHECK RECEIVING NUMBER) ■
 ■ (SEND) ■

Replying to SMS Messages

- you can reply directly back to the sender of a SMS message without having to enter their details

■ **1** **3** ■ (SELECT) ■ ■ **REPLY** ■ ■
 (SAVE) ■ (CHECK RECEIVING NUMBER) ■
 ■ (SEND) ■

Deleting Messages

- to delete old messages

■ **1** **4** ■ ■ (delete)

Editing Messages

- the procedure for editing a message is the same as creating a new message except, you select the message you want to change instead of selecting a vacant location

Creating New Messages

- enter the SEND/EDIT menu and select a vacant location. The template message will appear if the template feature is switched ON. If the memory is full you will need to delete or edit an existing message

■ **1** **2** ■ ■

- enter your message (or edit an existing message), the number of available characters is displayed in the top right of the screen, press to store

- save or reject the message

(YES/NO) ■

- if the Service Centre number has not been entered, the phone will ask for it here, enter and press

- enter the number where the message is to be sent (it can be retrieved from the Phone Book by pressing) then press

- select NO to store the message or YES to send and store

(YES/NO) ■

Creating a Template Message

- if your regularly send similar messages you can create a template which will automatically appear (ready to edit) each time you create a new message provided that the feature is switched ON

- for example:

Dear.....

....new name and message added each time...

Best regards

Jane

- you can leave your own message each time you recall the template

■ **1** **5** ■ ■ **TEMPLATE MESSAGES** ■


- to switch the template ON and OFF

■ **1** **5** ■ ■

Cell Broadcasts

Switching Cell Broadcasting ON/OFF

- there must be at least one channel entered and one language selected before you can switch cell broadcasting ON

 ■ **2 2** (ON) or **2 3** (OFF)

- switching cell broadcasting OFF will save battery power

Cell Broadcasting Channels

- to view the list of selected channels

 ■ **2 4 1** ■  

- to add a new channel

 ■ **2 4 2** ■   (select location) ■ 





CHANNEL ■ 

- to delete a channel

 ■ **2 4 3** ■   ■ 





Displaying Cell Broadcasting Messages

- display the message list and choose a message to read

 ■ **2 1** ■   ■ 

Broadcast Alert

- the phone can be set to alert you with a tone each time a new message is received

 ■ **2 6** ■   ■ 

Entering the Service Centre (S.C.) Number

- the SMS Service Centre number will be supplied by your network operator if the service is supported

 ■ **1 7** ■ **SERVICE CENTRE NUMBER** ■ 

Message Validity Period

- the Service Centre will repeatedly transmit a sent message until the message is received, within a set time period. The validity period which you set will apply to all sent messages (MAXIMUM means 63 weeks)

 ■ **1 8** ■   ■ 

Message Format

- you must select TEXT format to send SMS text messages

 ■ **1 6** ■   ■ 

- if supported by the network, a SMS message can be forwarded as a fax or an e-mail provided you select the correct message format. Please contact your network operator for further information

Message Alert

- you can set the phone to alert you with a tone each time a new message is received in addition to the indicator flashing at 'Information' speed (refer to page 1.7 for indicator details)

 ■ **1 9** ■   ■ 

Call Forwarding

There are two call forwarding options which you can use to be assured that all your incoming calls are answered. The phone number which the calls are forwarded (diverted) to can be entered via the keypad or recalled from the Phone Book.

Call forwarding is not supported by all network operators and may be subject to tariff restrictions, please check before attempting to select. Your network operator may provide alternative instructions to those shown below (not via the menu), these will work with your phone.

- NO REPLY** - calls will be diverted:
1. after a set number of seconds
 2. if your phone is engaged
 3. if your phone is outside coverage
 4. if your phone is switched off

 **2** **5** **1**  **NUMBER** 

SECONDS 



- ALL** - all calls are diverted, your phone won't ring

 **4** **2**  **NUMBER** 

- you can check the status and cancel each option individually (via the sub menu) or cancel ALL options simultaneously

CANCEL ALL

 **4** **3** 

After activating or cancelling call forwarding, wait for the acceptance message to be displayed before pressing  or  to exit.

Cell Broadcast Language




- your phone can only receive messages if the language of broadcast has been entered in a preferred language list. It is a good idea to have more than one language in the list if you travel abroad, otherwise you won't receive broadcast messages. There must be at least one entry before the cell broadcast feature can be switched ON

- to view the list

 **2** **5** **1** 

- to add to the list

 **2** **5** **2**  (select position) 

 /  (select language) 

- to delete a language

 **2** **5** **3**  

Call Barring

You can set any combination of the following call bars to help manage network usage and increase security. The network provider will supply a special four digit password so that you can activate the call bars. You can change the password to any four digit code of your choice if you find it difficult to remember or think someone else knows it.

Call bars are not supported by all network operators and may be subject to tariff restrictions, please check before attempting to select. Your network operator may provide alternative instructions to those shown below (not via the menu), these will work with your phone.

If you enter the wrong password three times in succession, the service will be blocked. You must then contact your network operator for unblocking.

- call bar options are divided into two groups in the menu

OUTGOING

- ALL CALLS** - bars all outgoing calls
- INTERNATIONAL** - **1 ALL CALLS** - bars all outgoing international calls
- **2 EXCEPT HOME** - bars all outgoing international calls except those back to the home country and calls within the country in which you are roaming

- CANCEL** - cancel all outgoing call bars

 ■ **5** **1** ■  /  ■  ■  /  ■  ■

PASSWORD # ■ 

INCOMING

- ALL** - bars all incoming calls
- ROAMING** - allows incoming calls only when operating on the home network
- CANCEL** - cancel all incoming call bars

 ■ **5** **2** ■  /  ■  ■  /  ■  ■

PASSWORD #

- you can check the status and cancel each call bar option individually (via the sub menu) or cancel ALL options simultaneously



CANCEL ALL

 ■ **5** **3** ■  ■ **PASSWORD** #

- if you wish to change the password

 ■ **5** **4** ■  ■ **OLD PASSWORD** # ■

NEW PASSWORD # ■ **NEW PASSWORD** #

After activating, checking the status, cancelling or changing the password, wait for the acceptance message to be displayed before pressing  or  to exit.

Network Selection

You can choose which method your phone uses to connect you to a foreign GSM network when operating outside your home country (roaming). Normally you would select Automatic mode (see below) but you can choose Manual or Periodic and force a search for available networks or request network reselection. If you attempt to select a network with which your home network does not have a roaming agreement 'NETWORK NOT ALLOWED' will appear on display.

Operating Modes

- there is a choice of three operating modes

AUTOMATIC - your phone will search for the home network first then a network from the preferred list stored on the SIM, in list order (refer to page 5.12 to edit the list) and if both these fail, any network which has a roaming agreement with your home network

MANUAL - if the search for your selected network fails, the phone will display a list of available networks for you to choose from

PERIODIC - this is similar to AUTOMATIC mode but is particularly useful if you are in an area of the home country where there is more than one network present e.g. near a border. When the home network is unavailable the phone will select a foreign network but will continue to periodically search for the home network. This ensures that you will be automatically connected to the home network as soon as possible or to a network with a higher priority



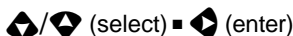
Network Search

- if you do not want to use the selected network you can force an immediate search then make a choice from a list of available networks in your area



Preferred Network List

- you can edit the list of preferred operators giving you control over which network you use when operating in automatic or periodic mode. To add to the list



- you also have the following options

to read the preferred list:

delete networks:

Reselect Network

- if you are roaming and are not satisfied with the selected network activate the Reselect feature. This will ensure that you get connected to another network from the preferred list or a network with a better coverage



New Network

- if a new network starts to operate after your phone was produced, its name won't be recognisable. You will still be able to select the network but it will only be identified by the country and network codes. To enter the name into the phone



NETWORK CODE **NETWORK NAME**

- you also have the following options

read the new network list:

delete networks:

Troubleshooting

The Phone Will Not Switch ON

- the phone has shut down because the battery power level is too low to make calls, fully recharge the battery

Some Calls Are Not Processed

- a call bar has been set to restrict phone usage, cancel call barring as necessary

Someone Else Is Receiving My Calls

- the phone has been set to forward (divert) your calls to another number, cancel call forwarding as necessary

Display Messages

During operation your phone may display an error message as follows:

'PLEASE INSERT SIM'

- you must insert the SIM before you can use the phone. If the SIM is already in place, remove and clean the gold area with a dry cloth then reinsert

'NO NETWORK'

- you are outside network coverage (or there are physical obstructions between you and a suitable transmitter) and cannot make or receive calls, if you are inside a building try moving towards a window

'EMERGENCY CALLS ONLY'



- you are outside co-operating network coverage but another network in your area will allow emergency calls subject to signal strength

Call Menu


The call menu features are only available during conversation and may not be supported by all networks.

Call Hold

- during conversation you may wish to make a second call

 (first call held) ■ **NUMBER** ■ 

- when the second call is connected, you can use the Call menu to control the two calls

 ■ **1** or **2** then select from
RETRIEVE
END
HOLD

- if the network supports conference calls (two other parties and yourself) you will have two extra options,


JOIN
SPLIT

- the Call menu also gives you the facility to enter the main feature menu during conversation

 ■ **3**

Call Waiting

- if during conversation you hear a soft ringing tone, a second caller is trying to contact. You will then have the opportunity to accept the call and use the Call menu options

 (first call held, new call answered)

- you must activate call waiting before the feature will work

 ■ **6** **2** **3** ■   ■ 

- the menu also gives you the option to cancel call waiting and check if it is available on the network you are currently connected to (STATUS)

Accessories

Quick Charger

- charges a 600 mAh NiMH battery to its full capacity in one hour
- charges a 2000 mAh Li+ battery to its full capacity in 4hrs
- available with four different wall plugs; EU, UK, AUS and US

Cigar Lighter Charger

- charges a 600 mAh NiMH battery to its full capacity in less than one hour
- charges a 2000 mAh Li+ battery to its full capacity in 4hrs
- suitable for both 12 Volt and 24 Volt
- ideally combined with a car mount cradle and a head set

Desk Top Charger

- compact and functional design matching the phone perfectly
- fast charges a 600 mAh NiMH battery to its full capacity in one hour and trickle charges a second battery
- charges a 2000 mAh Li+ battery to its full capacity in 4hrs and trickle charges a second battery

NiMH and Li + Spare Batteries

- 600 mAh NiMH vibrating battery providing 50hrs standby or 2hrs talk time
- 600 mAh NiMH light weight battery providing 50hrs standby or 2hrs talk time
- 2000 mAh Li+ battery providing 160hrs standby or 7hrs talk time

'ENTER PUK1/2'

- the SIM is blocked because the wrong PIN1/2 has been entered three times in succession. You must apply to your network provider for a special eight digit unblock PIN known as a **PUK** (the PUK may be supplied with your PIN1/2)
- to unblock the SIM press the following (the network provider may give alternative instructions which will work with your phone)

EIGHT DIGIT PUK ■ **#**

- you can now enter a new four to eight digit PIN of your choice

NEW PIN1/2 ■ **#** ■ **REPEAT NEW PIN1/2** ■ **#**

IMPORTANT: If an incorrect PUK is entered 10 times in succession the SIM will be permanently blocked. You must then apply to your network provider for a new SIM.

Vibrating Battery

- selectable incoming call vibrate mode via the feature menu
- 600 mAh NiMH light weight battery providing 50hrs standby or 2hrs talk time

The standby and talk times quoted are estimates based on ideal operating conditions. Battery life achieved in use will vary between networks and with different conditions and applications.

Carry Case

- elegant case which protects the phone from scratches, knocks, water stains etc

Belt Clip

- custom designed belt clip to fit the phone

Car Mount Cradle

- custom designed passive holder for the phone
- ideally combined with a cigar lighter charger and head set

Portable Hands Free Kit

- allows for Hands Free operation of the phone
- provides you with extra mobility in the office, at home etc
- can be combined with a car mount cradle and a cigar lighter charger for Hands Free conversation in your car

Digital Hands Free Car Kit

- provides for Hands Free operation of the phone in your vehicle
- consists of an intelligent cradle, a loudspeaker, a microphone and a features box
- digital technology for excellent audio reproduction
- ideally combined with a hand set and a dash mount box

Hand Set for Digital Hands Free Car Kit

- consists of a hand set and a dash mount console
- provides for private conversations on the Hands Free Car Kit
- provides for quiet conversations in otherwise noisy surroundings

Dash Mount Box with Loudspeaker

- standard DIN-sized aluminium assembly, including a built-in loudspeaker
- positions the 'Hands Free' loudspeaker ideally in the middle of your dash board resulting in unparalleled sound quality

Maxon Wintools

Phone Book and SMS Editor

- provides exactly the same functionality as the telephone but makes it easier to enter and edit names in your phone book and to send, edit and read SMS's

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