# Quick Guide

**Unlock the SIM** ............ ⓞ (ON) ▪ **PIN1** ▪ #
**National Calls** ............. **FULL NUMBER** ▪ ⓢ
**International Calls** ....... ⊞ ▪ (✱ hold) **COUNTRY CODE** ▪
               **FULL NUMBER** ▪ ⓢ
**View Call List** ............... ⓢ ▪ △/▽ ▪ ⓢ
**Emergency Calls** ........ ❶ ❶ ❷ (or local number) ▪ ⓢ
**Ending Calls** ................ ⓔ
**Answering Calls** .......... ⓢ
**Earpiece Volume** ........ Volume keys

### maxon
### MX·6804

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**Answering Calls** .......... ⓢ or open flip
**Earpiece Volume** ........ Volume keys

### maxon
### MX·6805

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# maxon
## MX·6804/5

- **weight 88g***
- **volume 125cc**
- **dimensions 131 x 45 x 21mm**
- **SMS (send and receive)**
- **cell broadcast**
- **GSM Phase 2 with Phase 2+ Features**
- **SMS: MT, MO and CB**
- **On-Board 14,4 kbps Data/Fax**
- **Clock with Alarm**
- **advice of charge**
- **SIM Application Toolkit (Class 1 and 2)**
- **T9 Text Input**
- **DTMF tones**
- **Cursor Location Software**
- **status indicator**
- **scratch pad**
- **plug-in SIM**
- **fixed dialled numbers**
- **vibrating battery option**
- **full grafic display**

* without battery

| Icon | Description |
|---|---|
| SEND | Dial a displayed number and answer an incoming call |
| END | End a call, store an entry and exit a feature |
| ON/OFF | 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 |
| C | Clear a number |
| ① | Earpiece |
| ② | Microphone |
| ③ | Antenna |
| ④ | Indicator |
| ⑤ | Ringing buzzer |
| ⑥ | Volume adjustment |

Phone labels: MX-6804 DualBand, maxon, DUAL BAND

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*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.*

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# Introduction

Congratulations on choosing the Maxon MX-6804 or MX-6805 GSM Dual Band mobile phone. This user guide describes the features of both MX-6804 and MX-6805. the only difference between these products is that the MX-6805 is a flip-phone. The user guide is based on the MX-6804, but where the MX-6805 differs from this, it is noted.

The MX-6804/5 has been designed to operate on any digital GSM network, on GSM900, GSM1800 and GSM900/1800, 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-6804/5 conforms to the GSM type approval for class 4 for GSM900 (2w) and class 1 for GSM1800 (1w) mobile phones.

Maxon Cellular Systems (Denmark) A/S reserves the right to make changes and provements to any of the products described in this guide wihout prior notice.

# 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

# 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

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 depending 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.*
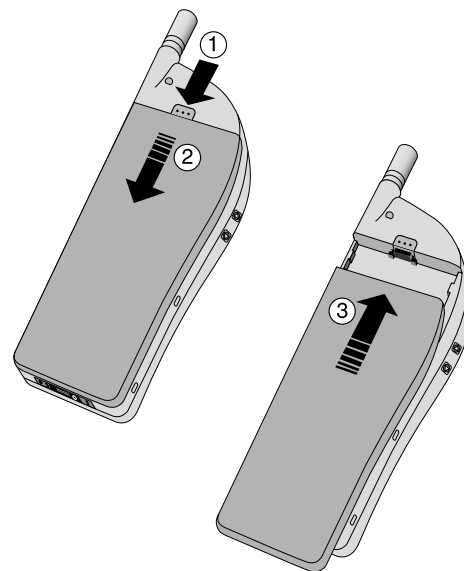
### Battery Performance

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 shows **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 left 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).

# 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

## 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 **◎** 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

```
■                      ..ulll

PLEASE ENTER
     PIN1<#>

      _
```

**❶ ❷ ❸ ❹ ▪ #**

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.
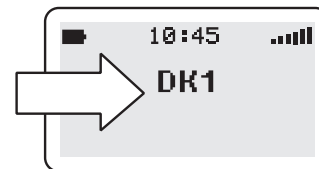


Your mobile phone is now in standby mode, ready to make and receive calls.

> *'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).

# 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

◆ ▪ ❻❶❽ (INDICATOR) ▪ ◆/◆ ▪ ◆ (select)

## 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**

**Information**

**Alert**

## 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.

# The Display

The display will give you a lot of information via its indicators and symbols.

▶ Indicates your current position in the display.

✓ Indicates your current selection.

The scrollbar appears when the menu contains more than 3 options, and it indicates if you can scroll up or down.

▬ Indicates the battery power level.

✉» The envelope indicates that you have received a message. A text message is shown as an envelope, and a voice message is an envelope with ››. The voice message has higher priority than the other in case you receive both types of messages. After listening to the recorded message the ›› will disappear and the envelope will inform you that you also have a text message.

10:45 Actual time can be set in either 24 hrs. or AM/PM format.

♪ Indicates that the alarm is set.

⊖ Indicates that a barring is set.

▁▃▅ Signal strength is indicated by the bars in the top right of the display (6 bars for optimum signal strenght).

# 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

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).

**SIGNAL STRENGTH**

```
10:45   .ulll

    DK1
```

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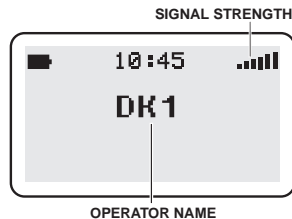
Call quality can be affected by physical obstructions, so moving only a few metres may significantly improve signal strength.

## 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

```
10:45   .ulll

    DK1

12345678909_
```

**DIALLED NUMBER**
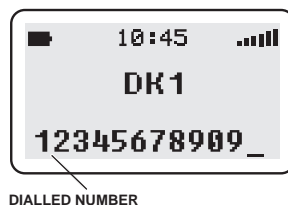
   **AREA CODE ▪ NUMBER ▪** 🔘
        (if used)

■ (to hang up at the end of the call press 🔘
   or close the flip (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) **▪** ③ ③ **▪ 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)

   📱 **▪** ⑥⑦① **▪** 🔼/🔽 **▪** ◀

# 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

```
🔋    10:45    ▂▃▄▅█

    EMERGENCY
    CALLS ONLY
```

❶❶❷ ▪ (SEND)
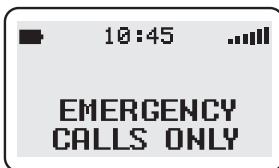
■ 112 is the standard GSM emergency number which can be used on any GSM network worldwide

■ 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, press (SEND) or open the flip

■ (to hang up at the end of the call press (END)

or close the flip (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

(C) ▪ (SEND) ▪ ♣/♦

# 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

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:

- MENU  - enter the feature menu

- ◆  - select a menu group or feature

- ◆ ◆  - search through the groups and features

- ◆  - go back one step

- C  - hold to exit the menu

- END  - store an entry or exit a feature



FEATURE     FOLDER

RING TYPE
10✓TYPE J
11 MELODY A
12▶MELODY B

CURRENT SELECTION

SCROLLBAR

CURSER
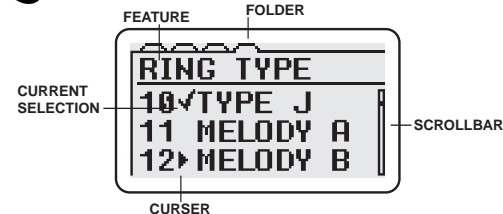
## Selecting a Feature by Search

MENU ▪ ◆/◆ (group) ▪ ◆ ▪ ◆/◆ (feature) ▪ ◆

## Selecting a Feature by Number

MENU ▪ FEATURE NUMBER ▪ ◆/◆ ▪ ◆

■ for example, to change the ring type:

MENU ▪ 6 3 2 ▪ ◆/◆ ▪ ◆ ▪ C (hold)

*Please note that you can press and hold C , END or close the flip to exit a menu feature (the phone will exit on its own after a long delay).*

## Feature Menu Structure
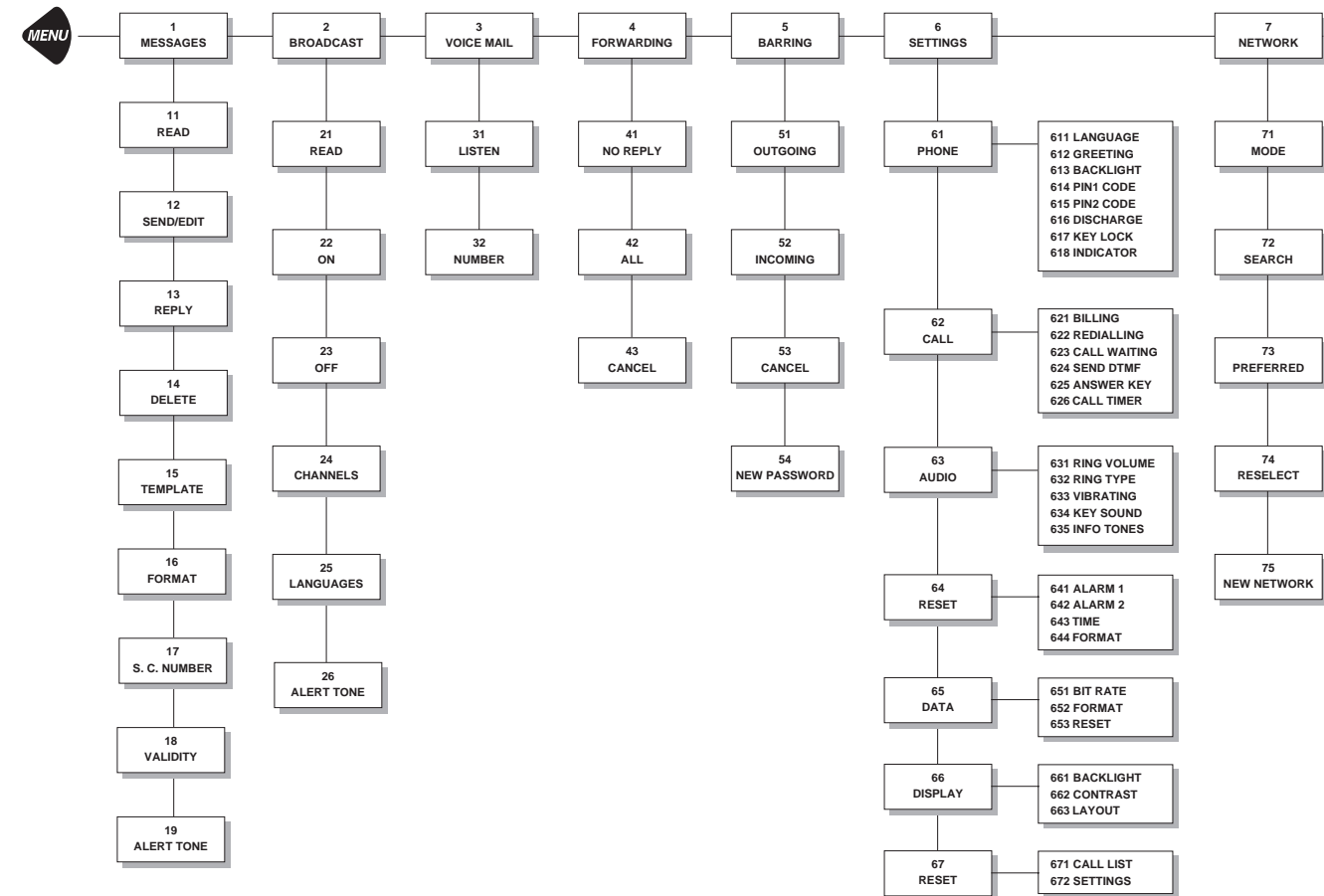


## Call Menu Structure (see section 5 for details)

**Phone Book Menu Structure (see section 4 for details)**
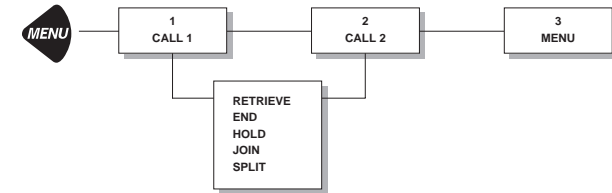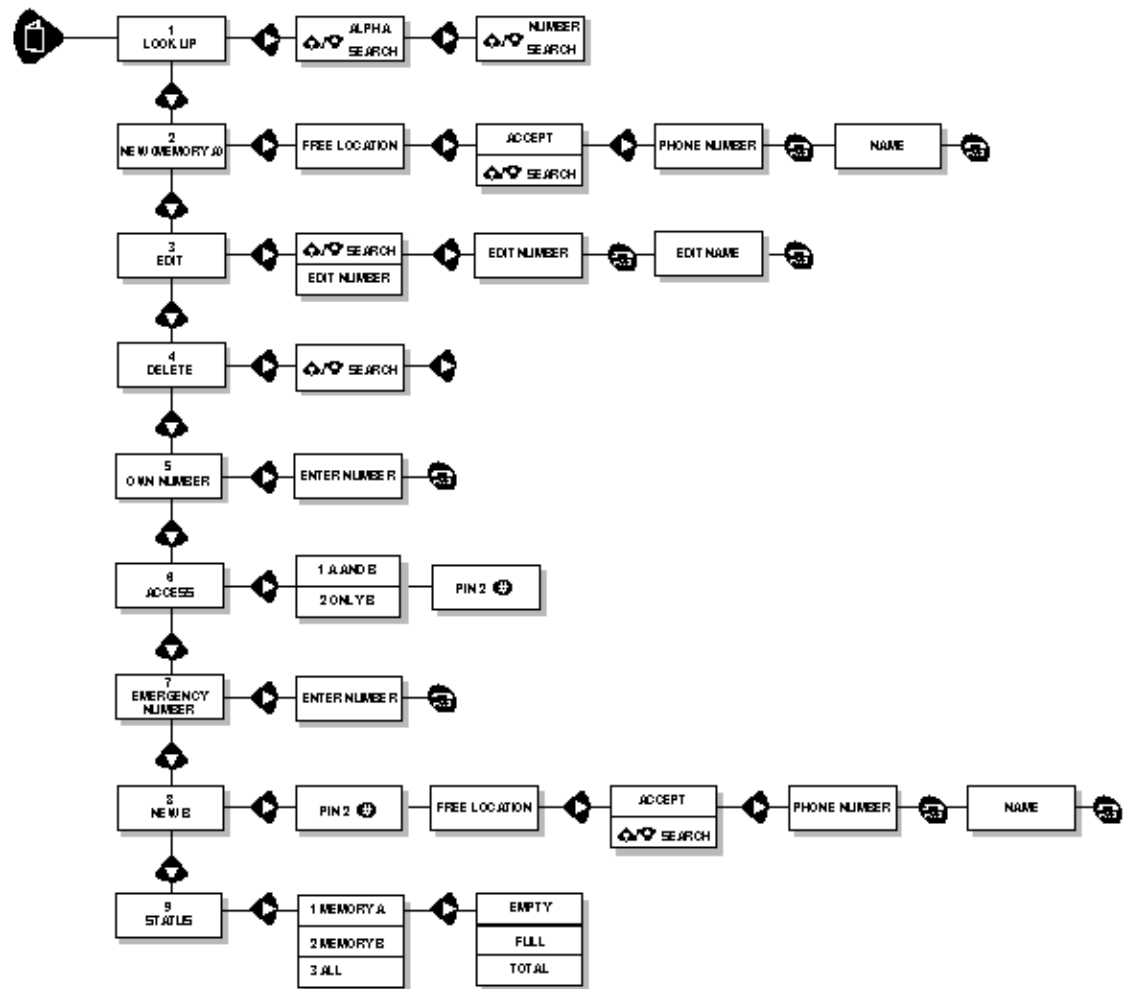
# Customising

## Display Text
■ The phone will display text in the language of the SIM (automatic) or you can choose a language from a list

▸ **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

▸ **6 1 2** ▪ INPUT MESSAGE ▪

■ Please refer to 'The Phone Book' (page 4.1) if you donít know how to enter text. The number of characters remaining for the message is shown in the top right of the display

## 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 3** ▪ 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 3** ▪ ▲/▼ (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 4** ▪ OLD PIN2 **#** ▪ NEW PIN2 **#**

▪ NEW PIN2 **#**

## 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 (MENU) ✱

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

(MENU) ▪ **6 1 6** ▪ ▲/▼ ▪ ◆ (select)

■ Incoming calls can be answered when the keypad is locked by pressing (SEND) but you must unlock the keypad to make a call or use the other features

■ to unlock the keypad press (MENU) ▪ ✱

## Indicator

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

(MENU) ▪ **6 1 7** (INDICATOR) ▪ ▲/▼ ▪ ◆ (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

(MENU) ▪ **6 2 2** ▪ ▲/▼ ▪ ◆ (select)

■ to stop redialling at any time press (END) or close flip

## 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

(MENU) ▪ **6 3 5** ▪ ▲/▼ ▪ ◆ (select)

■ an information tone sounds when:
- the battery is low
- switching the phone ON/OFF
- location update
- a call is proceeding
- auto redialling
- 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

(MENU) ▪ **6 6 1** ▪ ▲/▼ ▪ ◆ (select and see)

## Contrast

■ the contrast can be changed

(MENU) ▪ **6 6 2** ▪ ▲/▼ ▪ ◆ (select and see)

## Layout

■ The character font can be changed to either small or large

(MENU) ▪ **6 6 3** ▪ ▲/▼ ▪ ◆ (select and see)

# Basic Features

## 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

⬥(MENU) ▪ ❻❶❺ ▪ ⬧/⬦ ▪ ⬥ (select)

■ 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)

## 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

⬥(MENU) ▪ ❻❷❶ ▪ ⬧/⬦ ▪ ⬥

## 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

⬥(MENU) ▪ ❻❷❶❺ ▪ ⬧/⬦ ▪ ⬥

## 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 íScratch Padí) and could cause accidental operation of a connected facility. To prevent this you can switch the tones OFF and ON when necessary

**MENU ▪ 6 2 4 ▪ ⬆/⬇ ▪ ◆**

## Any Key Answer

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

**MENU ▪ 6 2 5 ▪ ⬆/⬇ ▪ ◆**

## Call Timer

■ You can check duration of last call made (bottom line of display) and total call time

**MENU ▪ 6 2 6 ▪ ⬆/⬇ ▪ ◆**

## Alarm

■ You can set two types of alarm

Alarm 1 is repeating: **MENU ▪ 6 4 1 ▪ ENTER TIME**

Alarm 2 is only active once: **MENU ▪ 6 4 2 ▪ ENTER TIME**

■ The alarm will be active for 30 seconds rising in volume. When the alarm is active, press end to cancel. When an alarm is set, a bell will be displayed in the top of the display.

## Time

■ The time is alsways shown in the top of the display. The time should always be entered in 24 hrs format. The time can be set

**MENU ▪ 6 4 3 ▪ ENTER TIME ▪ END**

■ You can choose to have the time shown in AM/PM if chosen under format

**MENU ▪ 6 4 4 ▪ (select)**

## Data

■ A data cable is available as an accessory. A user manual describing the facilities will accompany the cable. Contact your local dealer

## Reset

■ The phone can be reset to the original manufacture settings

**MENU ▪ 6 7 2 ▪ ⬆/⬇ ▪ ◆**

# 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

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

## 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,        **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** ▪ 🔚

*Press and hold* **C** *or* 🔚 *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 five ways to dial a stored number.

■ press and hold 🔘 to dial number stored in location 1

■ look up the number (see above) 🔘

■ enter location number, press **#** for MEMORY A
  or **✱** for MEMORY B to view the number then 🔘

■ enter the phone book, press ◆ then the initial letters of name

  ◐ ▪ ◆ ▪ **INITIAL LETTER** ▪ 🔘

■ press the last number of the location number for 3 sec. and the stored number is dialled

## 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** ▪ 🔚

## Deleting Entries

■ enter the phone book and select DELETE　📱 ▪ ❹

(or 🔼 ▪ ◀)

■ look up the name and delete　🔼/🔽 ▪ ◀

## Your Own Number

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

📱 ▪ ❺ (or 🔼 ▪ ◀) ▪ 📞

■ 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 Dialled Numbers)

■ if you have selected ONLY B, you can **only** call numbers stored in MEMORY B

📱 ▪ ❻ (or 🔼 ▪ ◀) ▪ PIN 2 ⏹ ▪ 🔼/🔽 ▪ ◀

■ 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

📱 ▪ ❼ (or 🔼 ▪ ◀) ▪ NUMBER ▪ 📞

## Memory Status

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

📱 ▪ ❾ (or 🔼 ▪ ◀) ▪ 🔼/🔽 ▪ ◀

# 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

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 (SEND). 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.

Note: Contact your local dealer for information about the broadcast channel numbers.

# 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 ♦

(MENU) ▪ ❶ ❶ ▪ ⬧/⬧ ▪ ◆ (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 (SEND) to dial
■ press (END) 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

## 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 ♦

(MENU) ▪ ❶❷ ▪ ▲/▼ (SELECT) ▪ ◆ (EDIT) ▪ (END) ▪

▲/▼ (SAVE) ▪ ◆ (CHECK RECEIVING NUMBER) ▪

(END) ▪ ▲/▼ (SEND) ▪ ◆

## Replying to SMS Messages

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

(MENU) ▪ ❶❸ ▪ ▲/▼ (SELECT) ▪ ◆ ▪ **REPLY** ▪ (END) ▪

▲/▼ (SAVE) ▪ ◆ (CHECK RECEIVING NUMBER) ▪

(END) ▪ ▲/▼ (SEND) ▪ ◆

## Deleting Messages

■ to delete old messages

(MENU) ▪ ❶❹ ▪ ▲/▼ ▪ ◆ (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

(MENU) ▪ ❶❷ ▪ ▲/▼ ▪ ◆

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

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

■ 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

(MENU) ▪ ❶❺ ▪ ◆ ▪ **TEMPLATE MESSAGES** ▪ (END)

■ to switch the template ON and OFF

(MENU) ▪ ❶❺ ▪ ▲/▼ ▪ ◆

### Entering the Service Centre (S.C.) Number
■ the SMS Service Centre number will be supplied by your network operator if the service is supported

**MENU** ▪ **①⑦** ▪ SERVICE CENTRE NUMBER ▪ **END**

### 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)

**MENU** ▪ **①⑧** ▪ ▲/▼ ▪ ◆

### Message Format
■ you must select TEXT format to send SMS text messages

**MENU** ▪ **①⑥** ▪ ▲/▼ ▪ ◆

■ 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)

**MENU** ▪ **①⑨** ▪ ▲/▼ ▪ ◆

### Send as email
■ enter the SEND/EDIT menu
■ enter the recipient's email address

enter one character space and enter your message and **END**

■ enter number: network dependant

# 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

**MENU** ▪ **②②** (ON) or **②③** (OFF)

■ switching cell broadcasting OFF will save battery power

### Cell Broadcasting Channels
■ to view the list of selected channels

**MENU** ▪ **②④①** ▪ ▲/▼

■ to add a new channel

**MENU** ▪ **②④②** ▪ ▲/▼ (select location) ▪ ◆ ▪

CHANNEL ▪ **END**

■ to delete a channel

**MENU** ▪ **②④③** ▪ ▲/▼ ▪ ◆

### Displaying Cell Broadcasting Messages
■ display the message list and choose a message to read

**MENU** ▪ **②①** ▪ ▲/▼ ▪ ◆

### Broadcast Alert
■ the phone can be set to alert you with a tone each time a new message is received

**MENU** ▪ **②⑥** ▪ ▲/▼ ▪ ◆

**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

🔘MENU ▪ ❷ ❺ ❶ ▪ ⬥/⬥

■ to add to the list

🔘MENU ▪ ❷ ❺ ❷ ▪ ⬥/⬥ (select position) ▪ ◆ ▪

⬥/⬥ (select language) ▪ ◆

■ to delete a language

🔘MENU ▪ ❷ ❺ ❸ ▪ ⬥/⬥ ▪ ◆

# 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

🔘MENU ▪ ❹ ❶ ▪ ◆ ▪ **NUMBER** ▪ 📞END ▪

**SECONDS** ▪ 📞END

---

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

🔘MENU ▪ ❹ ❷ ▪ ◆ ▪ **NUMBER** ▪ 📞END

---

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

**CANCEL ALL**

🔘MENU ▪ ❹ ❸ ▪ 📞END

*After activating or cancelling call forwarding, wait for the acceptance message to be displayed before pressing* 🔘C *or* 📞END *to exit.*

# 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 |

(MENU) ▪ **5 1** ▪ ▲/▼ ▪ ◆ ▪ ▲/▼ ▪ ◆ ▪
**PASSWORD #** ▪ (END)

**INCOMING**

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

(MENU) ▪ **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**

(MENU) ▪ **5 3** ▪ ◆ ▪ **PASSWORD #**

────────────────────────

■ if you wish to change the password

(MENU) ▪ **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 (C) or (END) 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

**MENU** ▪ **7** **1** ▪ △/▽ ▪ ◇

## 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

**MENU** ▪ **7** **2** (wait) ▪ △/▽ ▪ ◇ (select)

## 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

**MENU** ▪ **7** **3** **2** ▪ △/▽ (location) ▪ ◇ ▪

△/▽ (select) ▪ ◇ (enter)

■ you also have the following options

to read the preferred list:  **MENU** ▪ **7** **3** **1**

delete networks:  **MENU** ▪ **7** **3** **3**

## 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

**MENU** ▪ **7** **4** ▪ ◇ (wait for connection)

## 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

**MENU** ▪ **7** **5** **2** ▪ △/▽ (location) ▪ ◇ ▪

**NETWORK CODE** ▪ **END** ▪ **NETWORK NAME** ▪ **END**

■ you also have the following options

read the new network list:  **MENU** ▪ **7** **5** **1**

delete networks:  **MENU** ▪ **7** **5** **3**

# 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

(SEND) (first call held) ■ **NUMBER** ■ (SEND)

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

(MENU) ■ ❶ or ❷ 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

(MENU) ■ ❸

## 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

(SEND) (first call held, new call answered)

■ you must activate call waiting before the feature will work

(MENU) ■ ❻ ❷ ❸ ■ ⬧/⬧ ■ ◆

■ 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)

# 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

### 'INVALID SIM'

■ the phone is SIM-locked and will not accept the inserted SIM. Insert the correct SIM or contact your dealer

'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.*

# Accessories

## Quick Charger
- charges a 600 mAh NiMH battery to its full capacity in one hour
- charges a 850 mAh NiMH battery to its full capacity in 1hour and 20 minutes
- charges a 400 mAh Li+ battery to its full capacity in one hour
- 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 850 mAh NiMH battery to its full capacity in 1.3 hour
- charges a 400 mAh Li+ battery to its full capacity in one hour
- 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 850 mAh NiMH battery to its full capacity in 1hou and 20 minutes and trickle charges a second battery

## NiMH and Li+ Spare Batteries
- 600 mAh NiMH vibrating battery providing 100 hrs standby or up to 3 hrs and 30 min. talk time
- 600 mAh NiMH light weight battery providing 100 hrs standby or up to 3 hrs and 30 min. talk time
- 850 mAh NiMH battery providing 130 hrs standby or 5 hrs talk time
- 400 mAh Li+ light weight battery providing 65 hrs standby or up to 2 hrs and 15 min. talk time

### Vibrating Battery
■ selectable incoming call or SMS vibrate mode via the feature menu
■ 600 mAh NiMH light weight battery providing 50hrs standby or up to 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

### Fax & Data Transmission
■ two options for data transmission, either a PCMCIA card or a data cable with RS232 interface

# Index

In the event of a product recall the manufacturer will not be liable for any claims for loss, damage whether arising directly or indirectly. Your statutory rights are not affected.