CMYK

Quick Guide

Unlock the SIM........... ⊙ (ON) ▪ **PIN1** ▪ #

National Calls.............**FULL NUMBER** ▪ YES

International Calls......+ ▪ (✱ hold) **COUNTRY CODE** ▪

FULL NUMBER ▪ YES

View Call List and Call... YES ▪ ♦/♦ ▪ YES

Emergency Calls........ 1 1 2 (or local number) ▪ YES

Ending Calls............... NO

Answering Calls .... YES

Earpiece Volume........**Volume keys**

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MX·6820

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GSM

maxon

MX-6820
GSM 900 / DCS 1800
DUAL BAND

Mobile Internet
WAP

MAXON
MX-6820

wap

EXCHANGEABLE FRONT COVER

ENGLISH

- ■ *Weight 64g (without battery)*
- ■ *Dimensions 110 x 42 x 20 mm*
- ■ *Full Graphic LCD Display*
- ■ *5 x 16 Roman Display (including fixed icons)*
- ■ *Exchangeable Front Cover*
- ■ *Internet Browser*
- ■ *Support Phase 2 + Features*
- ■ *SIM Application Tool Kit*
- ■ *Roman SMS by T9 Text Input*
- ■ *Built-in Vibrator*
- ■ *LED Serivce Indicator*
- ■ *Real Time Clock*
- ■ *Multi Party*
- ■ *CLIP / CLIR*
- ■ *Cell Broadcast*
- ■ *20 Numbers Redial*
- ■ *On board 14.4kbps Data / Fax*

(YES) Dial a displayed number, answer an incoming call and store an entry

(NO) End a call and exit a feature

(O) Switch the phone ON and OFF

(C) Clear a number

(▲) Upward search

(▼) Downward search

Enter the phone book or select a menu feature

(MENU) Enter the menu or go back one step in the menu

1 Earpiece

2 Microphone

3 Antenna

4 Volume adjustment

5 Front lock knob

6 Hole for belt clip

7 Earphone jack

8 Ringing buzzer

9 Indicator

Billing .... (MENU) ▪ 6MNO 2ABC 1QD ▪ ▲/▼ ▪ ⬧

Keypad Lock/Unlock ... (MENU) ▪ *+−

Read SMS Messages .. (MENU) ▪ 1QD 1QD ▪ ▲/▼ ▪ ⬧

Operating Mode .... (MENU) ▪ 7PQRS 1QD ▪ ▲/▼ ▪ ⬧

Forward All Calls .... (MENU) ▪ 4GHI 2ABC ▪ ⬧ ▪ NUMBER ▪ (YES)

Menu Features
Selections .... (MENU) ▪ ▲/▼ (group) ▪ ⬧ ▪

▲/▼ (feature) ▪ ⬧

Looking Up Phone Book Numbers

By Name....................... ⬧ ▪ ⬧ ▪ PART NAME ▪ ▲/▼ ▪ ⬧

By Location .... ⬧ ▪ ⬧ ▪ ▲/▼ ▪ ⬧

Contents

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

Introduction

Congratulations on choosing the Maxon MX-6820 GSM Dual Band mobile phone. This user guide describes the features of MX-6820.

The MX-6820 has been designed to operate on any digital GSM network, GSM900, GSM1800 and GSM900/1800, subject to individual network roaming agreements. GSM has become 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, charger and any of the approved accessories shown in section 9 of this user guide. Other usage will invalidate any approval and warranties given to this equipment and may be dangerous.

The MX-6820 conforms to the GSM type approval for class 4 for GSM900 (2W) and class 1 for DCS1800 (1W) mobile phones.

Maxon Telecom Co.,LTD. reserves the right to make changes and improvements to any of the products described in this guide without prior notice.

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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 unauthorized 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**

Made by maxon

IMEI No.: 000000-00-0000000-0

Type: MX-6820   C E   0168

■ 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

- Do not 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

ENGLISH

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 time 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, slide in the direction of the arrow ① then remove the battery from the phone ②
■ to attach, place the battery on the phone and slide to the bottom of the phone ③ and lock the battery in position ④
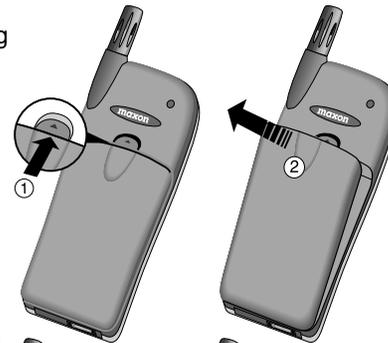
Charging the Battery
■ first, pull out the system rubber ⑤
■ insert the charger connector into the base of the phone ⑥
■ plug the charger into the power supply. A filling battery symbol and 'CHARGING' in the display indicates charging
■ the battery is recharged when the symbol remains all black and 'CHARGING COMPLETED' appears. This takes approximately 1.5 hours 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 ⑦

Except in the middle of charging the battery or receiving the data via cable, don't take off the rubber from system conncetor to protect the ESD(Electro-Static Discharge) effect. The phone can be power-off or damaged by ESD without rubber. In case of power-off, Firstly removed the battery and then you have to restart after put the battery together.

■ finally, push the system rubber into the system connector in right direction ⑧

Removing

Attaching

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 will see the low power warning message **LOW BATTERY** or preferable, the phone switches itself OFF. 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 time.

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 will not work when the phone is connected to the charger or if a Li-Ion battery is used. Please refer to section 3 for activate instructions.

The standby and talk time 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.

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 .
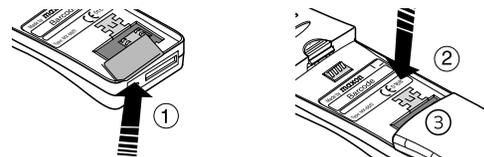
Inserting the SIM

The SIM will probably be supplied in a card holder and you will need to carefully press it free before fitting.
- switch OFF the phone, remove the battery 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

Set Time

■ if the battery has been disconnected, you will see the screen.

■ enter the current time. For example if the time is 12:34 (use the **C** key to clear an error)

```
■                    ...llll
TIME_____
TIME
              00:00
```

1ᵒᵒ **2**ᴬᴮᶜ **3**ᴰᴱᶠ **4**ᴳᴴᴵ ■ **YES**
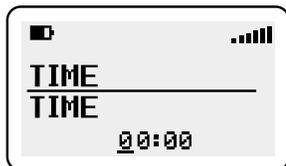
IMPORTANT: The time must be set when the battery has been disconnected.

Unlocking the SIM

To prevent unauthorized 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 unauthorized 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

```
■                    ...llll

PLEASE ENTER
    PIN1<#>
    _
```

1ᵒᵒ **2**ᴬᴮᶜ **3**ᴰᴱᶠ **4**ᴳᴴᴵ ■ **#**

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 8 for help.

IMPORTANT: The supplied PIN1 (4 to 8 digits) may be a standard number used for all SIMs 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 center of the display.

```
■    10:45    ...llll

MK1
```
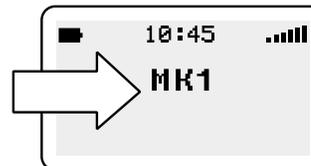
Your mobile phone is now in standby mode, ready to make and receive calls.

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

The 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 strength).

¡   Indicates that the Broadcast is set. If a Barring or Forwarding is set this icon will not be shown.

→)   Indicates that call Forwarding is set. If Barring is set the indication will shift between Forwarding and Barring.

✆   Indicates that the phone is on line via the mobile internet.

⧗   Indicates that the phone is sending or receiving data.

The Indicator LED

The phone has a built-in indicator which can show Yellow and flashes at different speeds according to the status of the phone and battery.

Indicator Flash Speed

The indicator has the follwing flash speeds:

Normal   💡 ← OFF → 💡

Information   💡 💡 ← OFF → 💡 💡

Alert   💡 💡 💡 💡 💡 💡 ← OFF → 💡 💡 💡 💡 💡 💡

Indicator Operation

Normal: In service, Calling

Information: SMS message, Missed call

Alert: Incoming call

Solid: Battery charging complete, Battery
            discharging

The Detachable Front Cover

Various colour of front covers can be provided. The front cover can be replaced as user's taste. Please refer to the following instruction.

Removing and Attaching the Front Cover

Before changing the cover, always switch off the power and disconnect the phone from the charger or any other device

Always store the phone with the cover attached

■ to remove, press the direction of the arrow ① then remove the cover from the phone ②

■ to attach, place the keypad on the phone ③ and slide to the bottom of the phone ④ and lock the cover in position ⑤ and then press the position ⑥ for the completed attachment
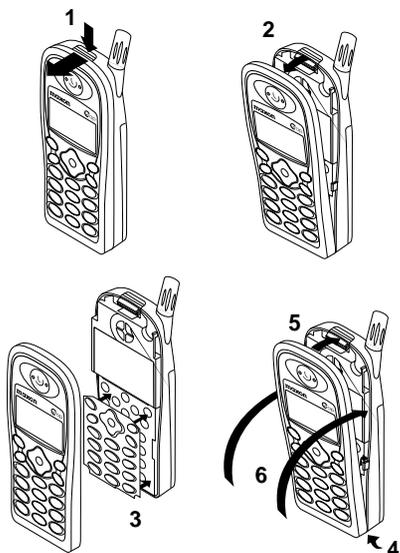
Calls

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

Making Calls

The network operator name must appear in the center 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).
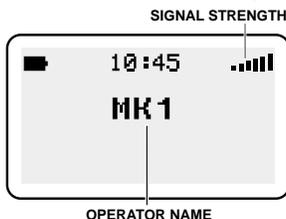
SIGNAL STRENGTH

```
┌──────────────────────┐
│ ▬     10:45    ..ıllı │
│                       │
│        MK1            │
│                       │
└──────────────────────┘
```

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    ..ıllı │
│        MK1            │
│ 12345678909_          │
└──────────────────────┘
```
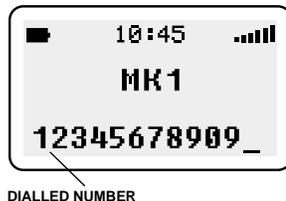
DIALLED NUMBER

   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 do not 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) ▪ 3ᴰᴱꟻ 3ᴰᴱꟻ ▪ **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)

   ◆ ▪ 6ᴹᴺᴼ 7ᴾꟼᴿˢ 1ᴼᴼ ▪ ◆/◆ ▪ 🔼

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    ..ooll

EMERGENCY
CALLS ONLY
```

1 ∞ 1 ∞ 2 ABC ∎ YES

■ 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 YES

■ to hang up at the end of the call press NO (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
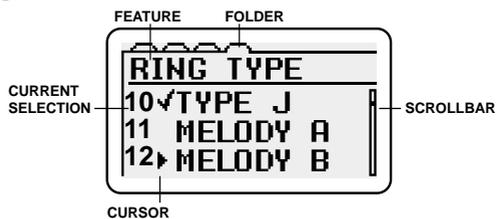
C ∎ YES ∎ ◆/◆

Basics

This section will help you to get to know the phone's features, 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.

ENGLISH

3

3.1

The Feature Menu

All the operating features of the phone are stored in the easy to use menu. A feature can be selected direct ly 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 or

  go back one step

- search through the groups and features

- select a menu group or feature

- hold to exit the menu

- store an entry

- exit a feature

FEATURE   FOLDER

CURRENT
SELECTION   SCROLLBAR

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

CURSOR

Selecting a Feature by Search

▪ / (group) ▪   ▪ / (feature) ▪

Selecting a Feature by Number

▪ FEATURE NUMBER ▪ / ▪

▪ for example, to change the ring type:
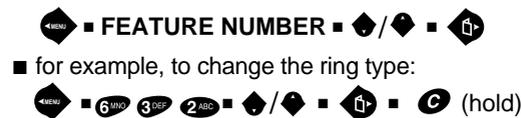
▪   ▪ / ▪   ▪   (hold)

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

Feature Menu Structure

1 MESSAGES	2 WAP	3 VOICE MAIL	4 FORWARDING	5 BARRING	6 SETTINGS	7 NETWORK	8 BROADCAST

11 READ | 21 HOME | 31 LISTEN | 41 NO REPLY | 51 OUTGOING | 61 PHONE | 71 MODE | 81 READ

611 LANGUAGE
612 GREETING
613 PIN1 CODE
614 PIN2 CODE
615 DISCHARGE
616 KEY LOCK

12 SEND/EDIT | 22 BOOKMARKS | 32 NUMBER | 42 ALL | 52 INCOMING | 62 CALL | 72 SEARCH | 82 ON

621 BILLING
622 REDIALLING
623 CALL WAITING
624 SEND DTMF
625 ANSWER KEY
626 CALL TIMER

13 REPLY | 23 PROFILES | | 43 CANCEL | 53 CANCEL | 63 AUDIO | 73 PREFERRED | 83 OFF

631 RING VOLUME
632 RING TYPE
633 VIBRATE
634 KEY SOUND
635 INFO TONES

14 DELETE | 24 EMPTY CACHE | | | 54 NEW PASSWORD | 64 CLOCK | 74 RESELECT | 84 CHANNELS

641 ALARM 1
642 ALARM 2
643 TIME
644 FORMAT

15 TEMPLATE | 25 T9 LANGUAGE | | | | 65 DATA | 75 NEW NETWORK | 85 LANGUAGE

651 BIT RATE
652 FORMAT
653 RESET

16 FORMAT | | | | | 66 DISPLAY | | 86 ALERT TONE

661 BACKLIGHT
662 CONTRAST
663 LAYOUT

17 S. C. NUMBER | | | | | 67 RESET

671 CALL LIST
672 SETTINGS

18 VALIDITY

19 ALERT TONE

110 T9 LANGUAGE

Call Menu Structure (see section 5 for details)

1 CALL 1	2 CALL 2	3 MENU

RETRIEVE
END
HOLD
JOIN
SPLIT
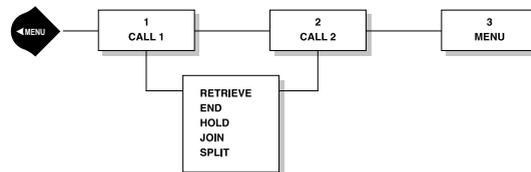
Phone Book Menu Structure (see section 4 for details)

1 LOOK UP — ALPHA SEARCH — NUMBER SEARCH

2 NEW (MEMORY A) — FREE LOCATION — ACCEPT / SEARCH — PHONE NUMBER — NAME

3 EDIT — SEARCH / PART NAME — EDIT NUMBER — EDIT NAME

4 DELETE — SEARCH

5 OWN NUMBER — ENTER NUMBER

6 ACCESS — 1 A AND B / 2 ONLY B — PIN 2

7 EMERGENCY NUMBER — ENTER NUMBER

8 NEW B — PIN 2 — FREE LOCATION — ACCEPT / SEARCH — PHONE NUMBER — NAME

9 STATUS — 1 MEMORY A / 2 MEMORY B / 3 ALL — EMPTY / FULL / TOTAL

Customising

3

3.4
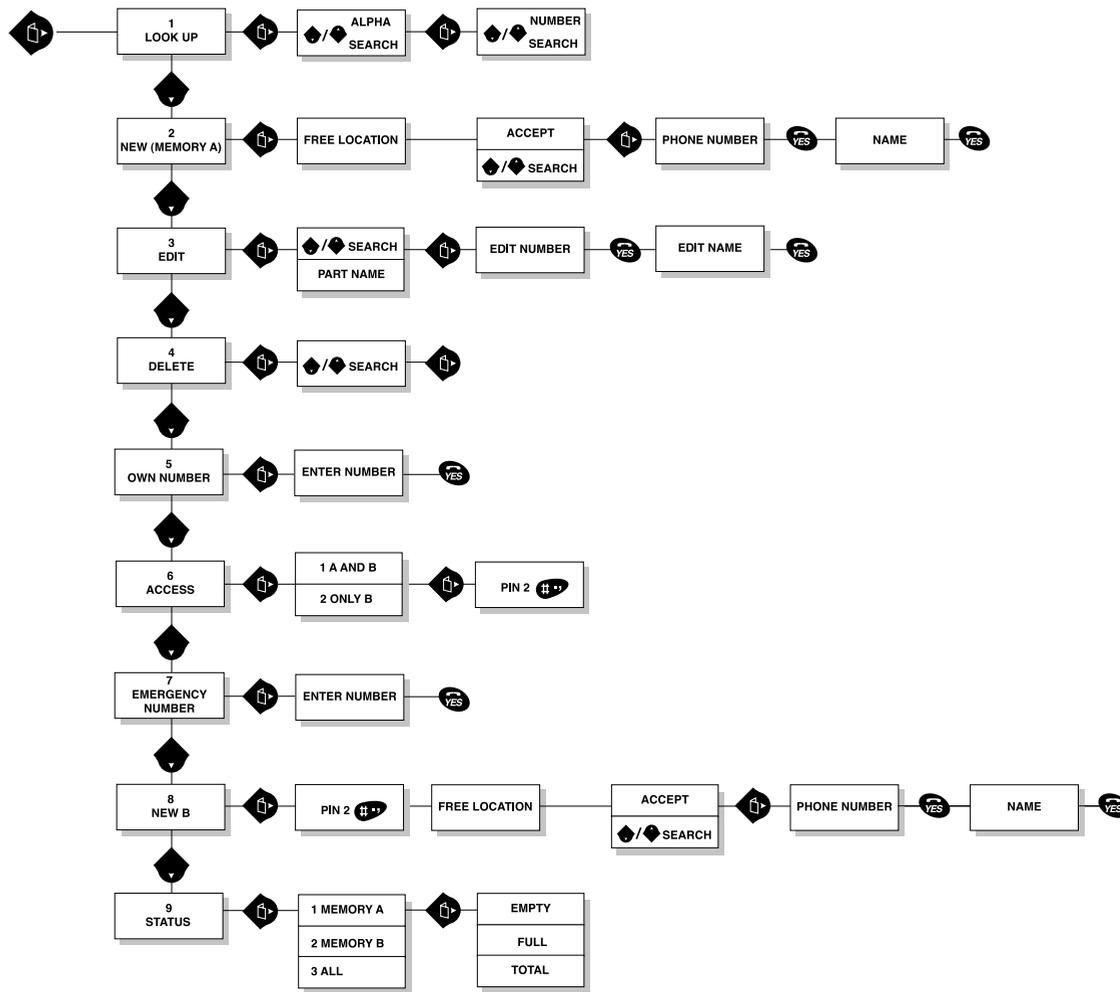
Display Text
■ The phone will display text in the language of the SIM (automatic) or you can choose a language from a list

MENU ■ 6 1 1 ■ / ■ (select)

Greeting Message
■ You can input a 36 character message (3 lines of 12 characters) to be displayed each time the phone is switched ON

MENU ■ 6 1 2 ■ INPUT MESSAGE ■ YES

■ Please refer to 'The Phone Book' (page 4.1) if you do not 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 unauthorized use. If you want to change the PIN1 you can change it to any four to eight digit PIN of your choice

MENU ■ 6 1 3 1 ■ 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

MENU ■ 6 1 3 3 ■ 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

MENU ■ 6 1 4 1 ■ OLD PIN2 # ■ NEW PIN2 # ■ NEW PIN2 #

Keypad Lock
■ You can lock the keypad to help prevent unauthorized 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 ■ 6ᴹᴺᴼ 1∞ 6ᴹᴺᴼ ■ ◆/◆ ■ 🔘 (select)

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

■ to unlock the keypad press 🔘MENU ■ ✱₊₊

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 ■ 6ᴹᴺᴼ 2ᴬᴮᶜ 2ᴬᴮᶜ ■ ◆/◆ ■ 🔘 (select)

■ to stop redialling at any time press 📵NO

Ring Tones and Melodies
■ the volume and type of ring tone can be changed

volume: 🔘MENU ■ 6ᴹᴺᴼ 3ᴰᴱᶠ 1∞ ■ ◆/◆ ■ 🔘 🔘(select/hear)

type: 🔘MENU ■ 6ᴹᴺᴼ 3ᴰᴱᶠ 2ᴬᴮᶜ ■ ◆/◆ ■ 🔘 🔘 (select/hear)

Vibrating Function
■ if you want a vibrating function you can set the phone to vibrate (refer to above)

🔘MENU ■ 6ᴹᴺᴼ 3ᴰᴱᶠ 3ᴰᴱᶠ ■ ◆/◆ ■ 🔘 (select and see)

Keypad Sound
■ to change the sound of the keypad (beep, tones, off)

🔘MENU ■ 6ᴹᴺᴼ 3ᴰᴱᶠ 4ᴳᴴᴵ ■ ◆/◆ ■ 🔘 (select)

Information Tones
■ you can switch the information tones (see list below) ON and OFF

🔘MENU ■ 6ᴹᴺᴼ 3ᴰᴱᶠ 5ᴶᴷᴸ ■ ◆/◆ ■ 🔘 (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 ■ 6ᴹᴺᴼ 6ᴹᴺᴼ 1∞ ■ ◆/◆ ■ 🔘 (select and see)

Contrast
■ the contrast can be changed

🔘MENU ■ 6ᴹᴺᴼ 6ᴹᴺᴼ 2ᴬᴮᶜ ■ ◆/◆ ■ 🔘 (select and see)

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

🔘MENU ■ 6ᴹᴺᴼ 6ᴹᴺᴼ 3ᴰᴱᶠ ■ ◆/◆ ■ 🔘 (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 will not work when the phone is connected to the charger or if a Li-Ion battery is used.

DISCHARGING NOW - discharging will start immediately, you will not 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

◀▶ ▪ 6ᴹᴺᴼ 1ᵒᵒ 5ᴶᴷᴸ ▪ ◆/◆ ▪ 📱 (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)

Voice Mail

■ if you subscribe to a voice mail service where the message retrieval number is fixed on the SIM card, you can access One Touch Mail by long pressing on Key 1. (memory location 1 will be reserved for One Touch Voice Mail) 1ᵒᵒ ▪ PRESS 3 SEC

■ if you subscribe to a voice mail service where the number is not fixed on the SIM, you can either place it in memory location 1 or into the reserved memory slot. Select 'LISTEN' in the voice mail menu to hear your message.

■ to enter the voice mail number

◀▶ ▪ 3ᴰᴱᶠ 2ᴬᴮᶜ ▪ NUMBER ▪ YES

■ to listen to your messages

◀▶ ▪ 3ᴰᴱᶠ 1ᵒᵒ ('CALLING' appears when the number is dialled)

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

◀▶ ▪ 6ᴹᴺᴼ 2ᴬᴮᶜ 1ᵒᵒ ▪ ◆/◆ ▪ 📱

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

◀▶ ▪ 6ᴹᴺᴼ 2ᴬᴮᶜ 1ᵒᵒ 5ᴶᴷᴸ ▪ ◆/◆ ▪ 📱

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

◆ ■ 6 2 4 ■ ◆/◆ ■

Earpiece Volume
■ to adjust the earpiece volume, press the volume keys on the side of the phone

▼ (decrease) ■ ▲ (increase)

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

◉ (latest) ■ ◆/◆ (search) ■ ◉ (dial)

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

◆ ■ 6 2 5 ■ ◆/◆ ■

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

◆ ■ 6 2 6 ■ ◆/◆ ■

Alarm
■ You can set two types of alarm

Alarm 1 is repeating: ◆ ■ 6 4 1 1 ■ **ENTER TIME** ■ ◉

Alarm 2 is only active once: ◆ ■ 6 4 2 1 ■ **ENTER TIME** ■ ◉

■ The alarm will be active for 30 seconds rising in volume. When the alarm is active, press no to cancel. When an alarm is set, a bell will be displayed in the top of the display

Time
■ The time must be set when the battery has been disconnected
■ the time is always shown in the top of the display. The time should always be entered in 24 hrs format. The time can be set

◆ ■ 6 4 3 ■ ENTER TIME ■ ◉

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

◆ ■ 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

◆ ■ 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 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**	0 & _ ( ) < > % £ $ ¥ ○ @ §
6	6 M N O Ö Ø 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** ▪ YES
  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** ▪ YES

Press and hold **C** *or* **NO** *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 YES to dial number stored in location 1

■ look up the number (see above) YES

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

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

   ● ▪ ● ▪ **INITIAL LETTER** ▪ ▲/◆ ▪ YES

■ 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**/▪ YES
■ edit the name and store   ●/●/**C**/▪ YES

Deleting Entries
■ enter the phone book and select DELETE   🔘 . 4GH

(or 🔘/ ◆ ▪ YES ▪ 🔘)

■ look up the name and delete   ▪/◆ ▪ 🔘

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

🔘 ▪ 5JKL (or ▪ ▪ 🔘) ▪ YES

■ if your SIM does not 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 access 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

🔘 ▪ 6MNO 2ABC ▪ 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

🔘 ▪ 7PRS (or ▪ ▪ 🔘) ▪ NUMBER ▪ YES

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

🔘 ▪ 9WXYZ (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 Broadcast.

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 one.

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 ♦

 🔷 ■ 🔘 🔘 ■ 🔷/🔷 ■ 🔘 (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

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 ♦

🔘 ▪ 1️⃣ 2️⃣ ▪ ◆/◆ (SELECT) ▪ 🔘 (EDIT) ▪ 📧 ▪

(TYPE NUMBER) (OR 🔘 ▪ (TYPE INITIAL LETTER) ▪

◆/◆ (SELECT) ▪ 🔘 ▪ (CHECK RECEIVING NUMBER/

EDIT))▪ 📧 ▪ ◆/◆ (YES/NO) 🔘 (SENDING STORING)

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

🔘 ▪ 1️⃣ 3️⃣ ▪ ◆/◆ (SELECT) ▪ 🔘 ▪ **REPLY** ▪ 📧 ▪

(CHECK RECEIVING NUMBER) ▪ 📧 ▪ ◆/◆

(SEND) ▪ 🔘

Deleting Messages
■ to delete old messages

🔘 ▪ 1️⃣ 4️⃣ ▪ ◆/◆ ▪ 🔘 (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.

If your phone is equipped with the T9 Text input, the feature will be available when you type an SMS message. Go to section 7.1 for information about T9.

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

🔘 ▪ 1️⃣ 2️⃣ ▪ ◆/◆ ▪ 🔘

■ 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

■ 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

🔘 ▪ 1️⃣ 5️⃣ ▪ 🔘 ▪ **TEMPLATE MESSAGES** ▪ 📧

■ to switch the template ON and OFF

🔘 ▪ 1️⃣ 5️⃣ ▪ ◆/◆ ▪ 🔘

Entering the Service Centre (S.C.) Number

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

◆▪ 🔘📼 ■ **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)

◆▪ 🔘📼 ■ ◆/◆ ■ 🔘

Message Format

■ you must select TEXT format to send SMS text messages

◆▪ 🔘📼 ■ ◆/◆▪ 🔘

■ 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)

◆▪ 🔘📼 ■ ◆/◆ (SELECT LEVEL) ■ 🔘

Message T9 Language

■ For phones with T9 Text Input the spelling language is selected here

◆▪ 🔘■ ◆/◆ (SELECT T9 LANGUAGE) ■ ◆/

◆ (SELECT T9 LANGUAGE)■ 🔘

Send as e-mail

■ enter the SEND/EDIT menu

■ enter the recipient's e-mail address
enter one character space and enter your message and 🔘

■ enter number: network dependant

Cell Broadcast

Switching Cell Broadcast ON/OFF

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

◆■ 🔘📼 (ON) or 🔘📼 (OFF)

■ switching cell broadcast OFF will save battery power

Cell Broadcast Channels

■ to view the list of selected channels

◆■ 🔘📼📼 ■ ◆/◆

■ to add a new channel

◆■ 🔘📼📼 ■ ◆/◆ (select location) ■ 🔘

CHANNEL ■ 🔘

■ to delete a channel

◆■ 🔘📼📼 ■ ◆/◆ ■ 🔘

Displaying Cell Broadcast Messages

■ display the message list and choose a message to read

◆■ 🔘📼 ■ ◆/◆ ■ 🔘

Broadcast Alert

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

◆■ 🔘📼 ■ ◆/◆■ 🔘

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 will not receive broadcast messages. There must be at least one entry before the cell broadcast feature can be switched ON

■ to view the list

   ◆ ▪ 8 TUV 5 JKL 1 ∞ ▪ ◆/◆

■ to add to the list

   ◆ ▪ 8 TUV 5 JKL 2 ABC ▪ ◆/◆ (select position) ▪ 🔲 ▪

   ◆/◆ (select language) ▪ 🔲

■ to delete a language

   ◆ ▪ 8 TUV 5 JKL 3 DEF ▪ ◆/◆ ▪ 🔲

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

◆ ▪ 4 GHI 1 ∞ ▪ 🔲 ▪ **NUMBER** ▪ 📞 ▪

SECONDS ▪ 📞

ALL - all calls are diverted, your phone will not ring

◆ ▪ 4 GHI 2 ABC ▪ 🔲 ▪ **NUMBER** ▪ 📞

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

CANCEL ALL

◆ ▪ 4 GHI 3 DEF ▪ 📞

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

◆ ▪ 5JKL 1GO ▪ ◆/◆ ▪ ⬆ ▪ PASSWORD #˝ ▪ YES

INCOMING

ALL   - bars all incoming calls

ROAMING   - allows incoming calls only when operating on the home network

CANCEL   - cancel all incoming call bars

◆ ▪ 5JKL 2ABC ▪ ◆/◆ ▪ ⬆ ▪ PASSWORD #˝

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

CANCEL ALL

◆ ▪ 5JKL 3DEF ▪ PASSWORD #˝

■ if you wish to change the password

◆ ▪ 5JKL 4GHI ▪ 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 NO 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] ■ [▲/▼] ■ [enter]

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) ■ [enter] ■

[▲/▼] (select) ■ [enter] (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] ■ [enter] (wait for connection)

New Network

■ if a new network starts to operate after your phone was produced, its name will not be recognizable. 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) ■ [enter] ■
COUNTRY CODE ■ NETWORK CODE ■
[YES] ■ NETWORK NAME ■ [YES]

■ 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

🔘 (first call held) ▪ **NUMBER** ▪ 🔘

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

🔘 ▪ 🔘 or 🔘 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

🔘 ▪ 🔘

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

🔘 ▪ 🔘 🔘 🔘 ▪ ◆/◆ ▪ 🔘

■ 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)

Mobile Internet (WAP)

Your MX-6820 is able to access the Internet. It is however, provided that your network operator supports this service. You may also have to pay a subscription for this service.

WAP offers users of mobile phones the possibility to access Internet information and communication in the same way, as you know it from a computer. By using the WAP browser in the phone you can find a lot of useful information as for example news, sports, weather and traffic information.

Due to the small display size, WAP Internet pages are designed in a special format called WML. Ordinary Internet pages in HTML format cannot be displayed. Your Internet provider or your network operator can inform you of which services/pages are available in WAP format.

Getting Started
■ Your network operator has probably already configured the settings (profiles) and you can start using the WAP functionality directly as described in "Internet Access". If this is not the case please contact your network operator. They will provide you with the necessary information so you can set up the profiles yourself as described in "Setting the Profiles" on page 6.4

Important keys When Using WAP
■ – opens WAP menu
■ – selects link or input field. The elements that can be chosen is showed with dark background when you are moving up and down
■ or – go back one step in the menu. If is long-pressed the Internet browser will shut down and the data connection will be shut down
■ / – move up and down on a page

Internet Access
■ Press ▪ 2ABC to open the WAP menu
■ Use / to move up and down and to select a menu point or press the corresponding number

Home
■ When HOME is selected, the homepage set as default in the active profile will open. A profile consists of some network settings that you only need to enter into your phone once. When these settings are entered you only have to switch between the different profiles every time you want to change the connection. The browser can handle up to five different profiles, but only one of them will be active at a time

Bookmarks
■ It is possible to save app. 50 WAP pages as bookmarks. This will give you quickly access to your favourite pages

To choose a bookmark ▪ 2ABC 2ABC 1 / (SELECTBOOKMARK) ▪

To edit ▪ 2ABC 2ABC 2ABC / (SELECT BOOKMARK) ▪

To type in ▪ 2ABC 2ABC 3DEF (TYPE ADDRESS) ▪

To delete ▪ 2ABC 2ABC 4GHI / (SELECT BOOKMARK) ▪

■ When you are on-line and want to access the bookmarks

To choose a bookmark ▪ 2ABC ▪ / (SELECT BOOKMARK) ▪

To add a bookmark ▪ 2ABC ▪ 2ABC ▪ / (SELECT "ADD") ▪

Profiles
■ Profiles is the menu point used for configuring the profiles. Please refer to "Setting the Profiles"

Cache

■ Your WAP-browser uses cache as a buffer memory to save WAP pages that you have visited. When you return to a page the browser will collect information from the cache instead of from the original server. This saves time

■ It is a good idea to empty the cache regularly

◆ ■ ② ABC ④ GHI ■ 🔙

T9 Language

■ You can use the T9 functionality when entering text in WAP text input fields. Use this menu to select T9 language

◆ ■ ② ABC ■ ⑤ JKL ■ (SELECT T9 LANGUAGE) ■ 🔙

■ Press the T9 button 🔳 to change to ordinary multi-tap mode, numeric mode or symbol mode. T9 text input is described in chapter 7.

Entering a WAP homepage

■ You can enter a WAP homepage in 3 different ways.

■ Open the homepage of one of your profiles

◆ ■ ② ABC ③ DEF ■ ◆/◆ ■ (SELECT PROFILE) ■

🔙 ■ ① ■ 🔙 🔙 ■ ①

■ Open a saved bookmark ◆ ■ ② ABC ② ABC ① ■ ◆/◆ ■ (SELECT BOOKMARK) ■ 🔙

■ When you are on-line it is possible to type in an URL address directly: ◆ ■ ③ DEF ■ (TYPE URL ADDRESS) ■ 🔙

Use of the menu key when on-line

■ When you are on-line and press ◆ a menu will appear. This menu is dynamic in the way that the content changes according to the WAP page that you visit. Some menu points will therefore only be available on certain WAP pages. However, some menu points will always be present no matter what page you visit and these include:

- Home opens the homepage set as default in the active profile
- Bookmarks the list of stored bookmarks
- HTTP:// a URL address can be typed in directly
- Add stores the present home page as a bookmark
- Exit exits the WAP menu

Setting the Profiles

■ If no profiles have been set-up in your phone, please contact your network operator. They will provide you with the information you need for setting up a profile yourself. Please follow the steps below:

■ Press ◆ ■ ② ABC ■ ③ DEF ■ ◆/◆ ■ (SELECT PROFILE) ■ 🔙

■ ② ABC

When all profiles are empty it does not matter which one you select

Homepage

■ Enter the homepage that you want to set as default for the profile. This could for example be the homepage of your network operator

① ■ ① ■ (TYPE URL ADDRESS) ■ 🔙

IP number

■ Type the IP number that your network operator has provided you with. Remember to set full stop between the numbers

② ABC ■ (TYPE IP NUMBER) ■ 🔙

User Name

■ Type the user name which your network operator has provided you with

③ DEF ■ (TYPE USER NAME) ■ 🔙

Password

■ Type the password which your network operator has provided you with

④ GHI ■ (TYPE PASSWORD) ■ 🔙

Connection Type

■ When a connection is established with a WAP-server there are different techniques to exchange data between the phone and the server. You distinguish between two different connection types. The connection type is dependent on the network you are calling. Choose connection type

2ABC ■ (SELECT CONNECTION TYPE) ■ YES

Security

■ Some WAP services require that the security functionality is turned on. If security is turned on all messages from the phone to the network will be encrypted

3DEF ■ (SELECT SECURITY "ON") ■ YES

Bearer

■ You can choose either SMS or data connection. The speed and cost of the WAP service depend on which type you use. Your network operator can inform you of price and accessibility.

4GHI ■ (SELECT BEARER) ■ YES

Dial-Up Number

■ Type the dial-up phone number which your network operator has provided you with

5JKL ■ (TYPE DIAL-UP NUMBER) ■ YES

Data Type

■ Choose either ISDN(v.110) or analogue (v.32). ISDN is normally used but in some situations (for example when the phone is used abroad) it can be necessary to change the setting to ANALOGUE

6MNO ■ (SELECT DATA TYPE) ■ YES

Data Speed

■ The data speed is network dependent. Your SIM card supports either 9600 baud or 14400 baud

7PQRS ■ (SELECT DATA SPEED) ■ YES

Rename

■ You can rename your profiles. To change the name when you are in the edit menu

NO ■ 3DEF ■ (TYPE NAME) ■ YES

Outline of PROFILE in SETTINGS

1. Profile 1-5

1 Default

2 Edit

  1 Homepage

    1 Address

    2 IP Number

    3 User name

    4 Password

  2 Connection Type

    1 Temporary

    2 Continuously

  3 Security

    1 on

    2 off

  4 Bearer

    1 SMS

    2 Data

  5 Dial-Up Number

  6 Data Type

    1 Analogue

    2 ISDN

  7 Data Speed

    1 9600 BAUD

    2 14400 BAUD

3 Rename

T9 Text Input
(optional)

Read this first!
T9 Text Input is an intelligent input system that allows you to type SMS messages using just one key press per letter.

T9 Text Input matches your key presses to words in its linguistic database and displays the most commonly used matching word. As you type, the word in the display may change. Type to the end of the word before editing! After typing the word completely, the desired word usually appears in the display. Alternate word choices appear in the display, when the down arrow key is pressed one or more times.

Getting into T9 Text Input Mode
T9 Text Input is available when you are typing an SMS message. The T9 Text Input icon appears in the top right of the display when the handset is in T9 mode. If the T9 Text Input icon is not displayed, press the ⓞ key repeatedly until the T9 Text Input icon appears in the display.

The Display Headline
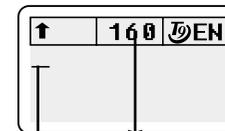
Mode: This field indicates the current mode. See the paragraph about mode indicators.

Info: This field indicates the number of characters left of the current message (maximum 160 characters). In read mode this field will indicate the total number of characters of the received message.

State: This field indicates the symbols of either shift or caps lock. See the paragraph about mode indicators.

Typing Words with T9 Text Input

Remember!
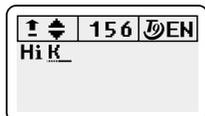
1. Use just one key press per desired letter.
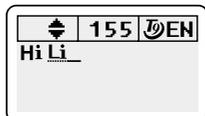
2. The displayed word may change as you type it. Type to the end of the word before editing.
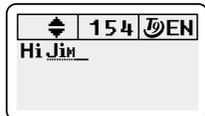
3. If the displayed word is not the one you intended, press the down arrow key to display other matching words.

Notice that the displayed words change as you type the phrase. Always type to the end of the word before changing what appears to be a mistake.

When spelling the common English name "Jim", long push the 5key to both turn on caps and get a capital "J". Notice that the shift indicator appears in the top left of the display headline. Long-push the 4key to turn off caps, and get an "i", and press the 6key for "m". Note that the displayed word changes as you type it. Always type to the end of the word before you change what appears to be a mistake. The down arrow key gives you alternative words.

Selecting Alternate Words

Many words share identical numerical sequences. For example, the words "of" and "me" share the numeric sequence 6 and 3.

T9 Text Input displays words in order of frequency of use in the language. Since the word "of" is more frequently used in English than "me", T9 Text Input displays "of" first. You can look through the other word candidates by using the up and down arrow keys.

Example: **6**MNO **3**DEF   …….displays "of"

6MNO **3**DEF ◆ …….displays "me"

Deleting Characters
Press **C** to backspace and remove single characters. However, at the start of a text it will behave as a delete key deleting from the right. By long-pressing the "C" one word at a time will be deleted.

Space Characters
Press **1** to space

Punctuation and Symbols
Press **0** key to display the first of a series of pages of additional symbols. Cycle through the three pages by pressing the up or down arrow key and select a symbol by pressing its corresponding number on the keypad, and you will automatically return to the previous mode.
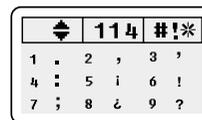
Mode Indicators
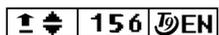
`⬆✦ 156 ⓣEN` ■ T9 Text Input mode, using the English T9 Text Input system. You can look through the other word candidates by using the up and down arrow keys

`ABC` ■ Spell mode, behaves like a normal multi-tap system

`#!☀` ■ Symbol mode containing all punctuation and symbols

`123` ■ Numeric mode, allows you to enter numbers instead of letters

Press the ◉ key to change the mode.

`⬆` ■ Shift state, the next letter written will be uppercase
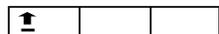
`⬆` ■ In caps lock all letters will be in uppercase

State Indicators

To capitalize the next letter that you will type, long-push the key with the letter that you need. Note that the shift indicator appears in the top of the display. Shift is released by long-pushing the following letter.

Typing Numbers

Press the ◉ key repeatedly until the Numeric indicator appears in the display and after entering the numbers on the keypad, press the ◉ key to return to the text mode.

Other Mode Indicators

`👓` Read mode, you can not edit the text but only read a received message.

"T9 is patented under the following U.S. Patents: 5,818,437,5,953,541,5,187,480,5,945,926,6,001,554 and additional patents are pending worldwide"

m 0 01.7.3 4:10 PM ˘ ` 75 G3

ENGLISH

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8.1

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

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8.2

'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

Standard Charger
■ charges a 600 mAh NiMH battery to its full capacity in 1.5 hours
■ charges a 900 mAh Li-Ion battery to its full capacity in 2 hours
■ available with three different wall plugs; EU,UK and AUS

Car Charger
■ charges a 600 mAh NiMH battery to its full capacity in less than 1 1/2 hours
■ charges a 900 mAh Li-Ion battery to its full capacity in 2 hours
■ suitable for both 12 Volt and 24 Volt
■ ideally combined with a car mount cradle or a head set

NiMH and Li-Ion Spare Batteries
■ 600 mAh NiMH battery providing 90 hrs standby or up to 6 hrs talk time incl. DTX
■ 900 mAh Li-Ion battery providing 150 hrs standby or up to 9 hrs talk time incl. DTX

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

Battery may be dead due to outside impact or abnormal use such as short, over discharging and over chanrging with Li-ion battery. It is normal operation comes from protection circuit in the battery. Battery will be recovered when you connect the charger to phone.

Carry Case
■ elegant case which protects the phone from scratches, knocks, water stains etc.

Belt Clip
■ custom designed belt clip to fit the phone
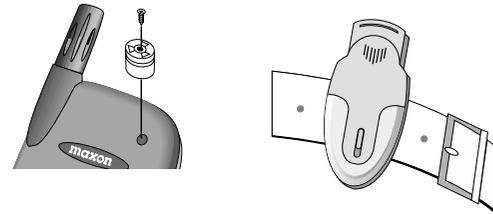
■ take off the cap on the back of phone and put the holder on your phone with screw
■ put the body on your belt on anywhere
■ your phone will be placed any side where you want for your comfortability
■ push the brtton and pick up the phone and your phone will be separated with belt

Car Mount Cradle
■ custom designed passive holder for the phone
■ ideally combined with a cigar lighter charger or a head set

Portable Hands Free with hook/mute button
■ 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 for Hands Free conversation in your car

Data/Fax Cable
■ Data Interface Cable is available and allows the phone to be connected directly to a PC.

Carry Strap
■ allows for carry convenience of the phone.

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