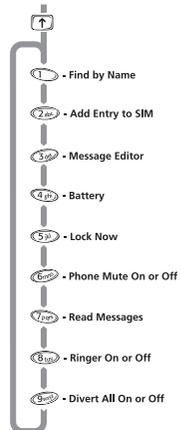




d160/d170



Quick Access Menu



Menu Navigation



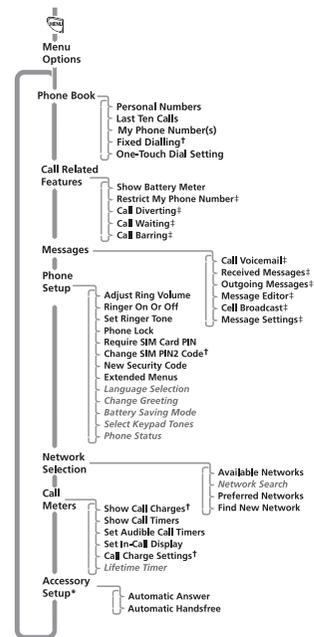
Items shown in *italics* are available only when **Extended Menus** are switched on.

[†] Availability depends on the type of SIM card.

* The **Accessory Setup** option is available only when a car kit is fitted.

‡ Availability, Network and Subscription dependent.

Options Menu



Quick Reference

English

Quick Reference

English

Special Keys

-  Press and hold to turn the phone on; press to turn the phone off.
-  Press to accept call, accept setting, accept option.
-  Press to enter options menu.
-  Press to reject call, reject setting, clear digits, reject option.
-  Press to move through the menu and feature choices, or to edit an SMS message.
-  Press to dial your Voicemail number.
-  Press to adjust the speaker or ringer volume.

Making a Call

Enter the number using the digit keys and press .

Receiving a Call

To receive a phone call, press  or any other key except  or , or open the flip.

Ending a Call

To end a phone call, press  or close the flip.

Emergency calls

To dial the UK emergency number, press     or   . The call will be directed to a central emergency operator.

Redialling the Last Number Called

When in standby mode, press  .

One-Touch Dialling

Press and hold the appropriate digit key  to .

Dialling Voicemail

Press .

Locking the Keypad

Press  and  simultaneously.



Introduction

Congratulations on your purchase of a cellular telephone from Motorola, one of the world leaders in cellular technology.

All Motorola Cellular Telephones are designed and manufactured to meet Motorola's exacting specifications and world class quality standards. This product is no exception.

Your cellular telephone has been designed to pass rigorous durability tests including temperature, humidity, shock, dust and vibration. Your phone, however, should not be immersed in water.

Our testing standards, our commitment to Total Customer Satisfaction and over sixty-five years of experience in personal communications means you can depend upon the quality of your Motorola product.

This apparatus is approved for connection to the cellular radio network in your country. The facilities offered by the apparatus are identical on any network in so far as a network is able to support any particular facility. Service providers can arrange for the necessary adjustment to enable operation on the network or networks whose service they provide. The apparatus is approved for connection to telecommunication systems specified in the instructions for use subject to the conditions set out in them.

Understanding this Manual

Many of your phone options are accessed by a simple menu system. A full description of the menus and how to move around them is covered in the later section **Menu Navigation**. When the manual describes the use of each menu item, it will be assumed that you are familiar with the menu system.

Key Presses

Key presses are represented in this manual using symbols so that you may locate and use the required sequence quickly. A sequence of key presses may be shown as follows:



This means that you should press the  key followed by the  key and then the  key, in sequence, not simultaneously.

 *The key shapes represented in this manual may differ from the keys on your phone.*

Entering Information

When you are requested to enter information, such as the number of the phone you wish to call, this is represented in **bold** type. For example:

Phone No. - enter the required telephone number.

PIN Code - enter your Personal Identification Number.

Unlock Code - enter your unlock code.

Location - enter the Phone Book location number.

Prompts and Messages

Your phone responds to key presses by displaying either easy to understand prompts that guide you to the next action, or simple messages confirming that your action is complete. Prompts and messages are represented in this manual in LCD style, for example:

Enter PIN or Completed.

Other Symbols

You will find the following symbols used throughout this manual:

-  A Note contains additional information which is relevant to the feature/item.
-  A Caution contains important additional information which is relevant to the efficient and/or safe usage of your phone.
-  This symbol indicates that the feature is a **Personality™** feature that can be customised to meet your requirements.
-  This symbol indicates a short key sequence for the feature.

Total Customer Satisfaction

At Motorola, Total Customer Satisfaction is a top priority. If you have a question, a suggestion or a concern about your Motorola Cellular Phone, Motorola wants to hear from you.

Please contact the Motorola Cellular Response Centre by fax on: +44 (0) 131 458 6732, or use one of the local phone numbers in the following countries:

Austria	0660 7246
Belgium	0800 72 370
Denmark	43 43 15 56
Egypt	02 3411800
Eire	01 402 6887
Finland	0800 117 036
France	0801 63 67 03
Germany	0180 35050
Greece	01 748 7203 (fax only)
Italy	02 48 448 448
Jordan	06 863750
Kuwait	484 2000 Ext 1177
Lebanon	01 744156
Luxembourg	0800 21 99
Netherlands	06 022 27 43
Norway	22 55 10 04
Oman	790925
Portugal	01 318 0051
Qatar	418999

Saudi Arabia	01 2303294
South Africa	0800 11 48 49
Spain	902 100 077
Sweden	08 445 1210
Switzerland	0800 553 109
Turkey	0212 2729090
UK	0500 55 55 55
United Arab Emirates	04 32 11 66
For e-mail queries contact:	mcrcc@ei.csg.mot.com
For Internet queries contact:	http://www.mot.com

Motorola's Warranty

Your Cellular Phone is warranted by Motorola to be of satisfactory quality, fit for its purpose and comply with applicable Motorola specifications for a period of twelve (12) months from the date you bought it (verified by reference to your proof of purchase).

This warranty does not apply if the phone has

- 1 been mishandled, misused, wilfully damaged, neglected, improperly tested, repaired, altered or defaced in any way.
- 2 a defect arising as a result of any failure to follow instructions either in the manual or product specification.
- 3 a defect which has arisen from the use of non-Motorola approved accessories or ancillary items attached to or in connection with the telephone.

This warranty does not affect your statutory rights as a consumer.



Contents

Safety	
Important information for the efficient and safe operation of your phone	7
About Your Phone, Battery and SIM Card	
Introduces your phone, explains how to charge and maintain batteries and explains about your SmartCard.....	11
Making and Receiving Phone Calls	
Explains how to adjust volume, how to call a number, how to redial and how to accept a call	15
Menu Navigation	
Explains how to access and use the phone's menus	19
Using the Options Menu	
Provides an explanation of the Options Menu.....	21
Using the Quick Access Menu	
Provides an explanation of the Quick Access menu and how to use it	35
Accessories	
Details accessories available for use with your phone	37
What To Do If	
Helps you to solve any problems that may occur.....	39
Index	
A comprehensive index	41



The Manufacturer reserves the right to make changes in technical and product specifications without prior notice.



Safety Information For Wireless Handheld Phones

IMPORTANT

FOR THE EFFICIENT AND SAFE OPERATION OF YOUR WIRELESS HANDHELD PORTABLE TELEPHONE, OBSERVE THESE GUIDELINES.

Exposure To RF Energy

Your wireless hand-held portable telephone is a low power radio transmitter and receiver. When it is **ON**, it receives and also sends out radio frequency (RF) signals.

European and International agencies have set standards and recommendations for the protection of public exposure to RF electromagnetic energy.

- Verband Deutscher Elektronenieur (VDE) DIN-0848
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1996
- Directives of the European Community, Directorate General V in Matters of Radio Frequency Electromagnetic Energy
- National Radiological Protection Board of the United Kingdom, GS 11, 1988
- American National Standards Institute (ANSI) IEEE.C95.1-1992
- National Council on Radiation Protection and Measurements (NCRP). Report 86
- Department of Health and Welfare Canada. Safety Code 6

These standards are based on extensive scientific review. For example, over 120 scientists, engineers and physicians from universities, government health agencies and industry reviewed the available body of research to develop the updated ANSI Standard.

The design of your phone complies with these standards when used normally.

Antenna Care

Use only the supplied or approved replacement antenna. Unauthorised antennas, modifications or attachments could damage the phone and may violate FCC regulations.

Phone Operation

Normal Position: Hold the phone as you would any other telephone with the antenna up and over your shoulder.

Tips on Efficient Operation: For your phone to operate most efficiently:

- Extend your antenna fully.
- Do not touch the antenna unnecessarily when the phone is in use. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.

Batteries

All batteries can cause property damage, injury or burns if a conductive material such as jewellery, keys or beaded chains touches exposed terminals. The material may complete an electrical circuit and become quite hot. To protect against such unwanted current drain, exercise care in handling any charged battery, particularly when placing it inside your pocket, purse or other container with metal objects. When the battery is detached from the phone, your batteries are packed with a protective battery cover; please use this cover for storing your batteries when not in use.

Driving

Check the laws and regulations on the use of wireless telephones in the areas where you drive. Always obey them. Also if using your phone while driving, please:

- give full attention to driving - driving safely is your first responsibility
- use hands-free operation, if available
- pull off the road and park before making or answering a call if driving conditions so require.





Electronic Devices

Most modern electronic equipment is shielded from RF energy. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone.

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of six (6") inches be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers:

- Should ALWAYS keep the phone more than six inches from their pacemaker when the phone is turned on.
- Should not carry the phone in a breast pocket.
- Should use the ear opposite the pacemaker to minimize the potential for interference.

If you have any reason to suspect that interference is taking place, turn your phone OFF immediately.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference you may want to consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Turn your phone **OFF** in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Turn your phone **OFF** in any facility where posted notices so require.

Aircraft

FCC regulations prohibit using your phone while in the air. Switch **OFF** your phone before boarding an aircraft.

Blasting Areas

To avoid interfering with blasting operations, turn your phone **OFF** when in a "blasting area" or in areas posted: "turn off two-way radio". Obey all signs and instructions.

Potentially Explosive Atmospheres

Turn your phone **OFF** when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include fuelling areas such as petrol stations; below decks on boats; fuel or chemical transfer or storage facilities; and areas where the air contains chemicals or particles, such as grain, dust, or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.

For Vehicles Equipped with an Air Bag

An air bag inflates with great force. **DO NOT** place objects, including both installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. If in vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.



**EUROPEAN UNION DIRECTIVES
CONFORMANCE STATEMENT**



This product is in conformance with the requirements of the applicable EU Council Directives.

Declarations of Conformance with the requirements are located at:

Motorola Ltd.
European Cellular Subscriber Group
Midpoint, Alençon Link
Basingstoke, Hampshire RG21 7PL
United Kingdom



APPROVED for connection to telecommunications systems specified in the instructions for use subject to the conditions set out in them.

 S/1357/4/V/503894



About Your Phone, Battery and SIM Card



The Keys

-  Press and hold to turn the phone on; press to turn the phone off.
-  Press to make and receive calls. Press to end calls. Press to confirm the choice of menu or feature.
-  Press to enter menu.
-  Press and release to clear a digit in the display; press and hold to clear the entire display.
-  Press to move through the menu and feature choices, or to edit an SMS message.
-  Press to access the Quick Access Menu features.
-  Press to dial your Voicemail number.
-  Press  key to adjust the earpiece speaker volume. Release  and hold  again to change direction.

The keypad layout and graphics of your phone may vary from the one shown

Using the flip (if your phone has one) is covered in *Receiving A Phone Call* later in this document.

The Display



-  **Battery Charge Indicator.** The more segments displayed, the greater the battery charge. Flashing indicates charging.
-  **Roam.** Displayed when you are registered on a Network other than your home Network.
-  **Short Message Service¹.** Displayed when the phone has received a message. The symbol will flash when your message storage area is full.
-  **Voicemail¹.** Displayed when your voicemail has received a message.
-  **Signal Strength** - indicates the strength of the coverage in your current cellular system area. The more bars lit, the better the chances of successfully making and receiving calls. Also indicates phone is switched on.
- ABC123** **Characters** - are used to display prompts, names and telephone numbers.

¹. Network and subscription dependent feature.

Your Battery

Batteries and Charging Information

To ensure that you enjoy maximum battery life and use your battery to its fullest capacity:

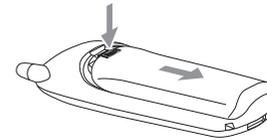
- Always use *Motorola* approved battery chargers.
- The battery should be at or near room temperature when charging.
- Once a week, allow your battery to discharge completely before recharging (to fully discharge, leave your phone on until it turns itself off).

! Do not leave the battery connected to any charger for longer than 24 hours.

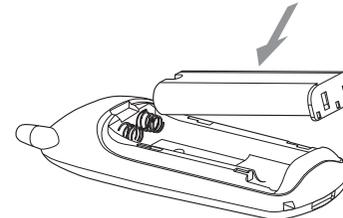
! A new battery's full performance is achieved only after two or three complete charge and discharge cycles.

- Best battery performance will be achieved when you regularly charge and discharge batteries as instructed.
- Battery performance is greatly affected by the coverage of the network.
- Keep the antenna fully extended whenever possible to ensure maximum signal strength.
- The performance of your batteries will gradually reduce if used substantially.
- If left unused, a fully charged battery will discharge itself in approximately one month.
- When not in use, store your battery uncharged in a cool, dark and dry place.

Removing the Battery Cover



Installing the Battery



! When re-inserting the battery, it can only be inserted one way with the black plastic "foot" of the battery pointed to the left hand side.

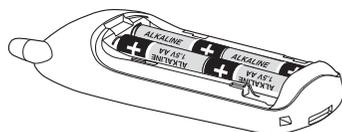
Charging the Battery

Insert the connector on the travel charger into the socket at the base of the phone and the plug into a suitable mains socket.

⚠ *The battery door must be closed during charging.*



Using 'AA' Batteries



You can use Alkaline and Lithium 1.5 Volt AA Batteries in your phone.

⚠ *These batteries should not be used with Travel Chargers or Cigarette Lighter Adaptors.*

Low Battery Warning

When the battery level is low and only a few minutes of talk time remain, a warning signal (two double beeps) will sound, and Low Battery will be displayed.

When the battery is completely discharged, your phone will turn off.

Battery Care and Storage

To prolong the life of your batteries, avoid exposing them to temperatures below -10°C (14°F) or above 45°C (113°F). Never leave your phone or batteries in extreme temperatures (over 60°C (140°F)), for example, behind glass in very hot, direct sunlight.

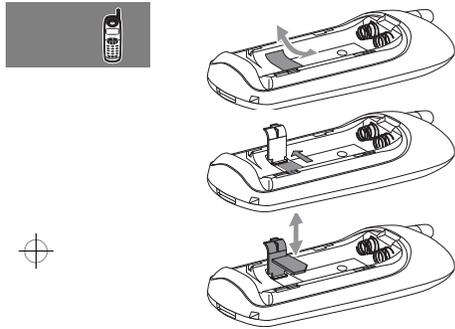
Battery Disposal

To dispose of batteries, check with your local recycling centre for a battery recycler near you. Never immerse batteries in water. Never dispose of batteries in fire.



Your SIM Card

SIM Card Insertion and Removal



Making and Receiving Phone Calls

Switching Your Phone On and Off

Press and hold  to turn the phone on. Press  to turn the phone off.

If you switch the phone on and there is no SIM card inserted, you will be asked to check and insert one. Once inserted, the phone will check that the SIM card is valid.

As the phone searches and finds a suitable network to connect to, the network name will be displayed. You may be required to enter a **PIN Code** or **Unlock Code**.

Entering Your SIM Card PIN Code

Enter the **Pin Code** and press .

As you type in each digit of the PIN code a * character will be displayed.

If you make a mistake, press and release the  key to remove the last digit. Holding the  key down will remove the entire entry.

If the PIN code entered is incorrect, the warning message **Wrong PIN** will be displayed, followed by **Enter PIN**.

! If the PIN number is entered incorrectly three times in a row, your phone will automatically lock-up and the Blocked message will be displayed. See 'Unlocking Your Phone' later in this manual, under the heading 'Phone Setup - Require SIM Card PIN' for details on unblocking your phone.

Entering Your Unlock Code

If your phone displays the message **Enter Phone Unlock Code** you must enter your unlocking code by entering the **Unlock Code** and pressing .

The unlock code is a four digit number which is set at manufacture to **1234**. The code can be changed, see 'Phone Lock' in the Phone Setup Menu section for more details.

If you forget your unlock code, press the  key. This will display the 'Change Unlock Code' option. Press , **Security Code**, enter a new unlock code, and press .

Locking the keypad

Press the  and  keys simultaneously to prevent accidental usage of the phone (even if your phone has a flip). To remove the lock, press  and  simultaneously. You can answer an incoming call by pressing .



Making a Phone Call

Enter the number using the digit keys and press .

If you make a mistake, press and release the  key to remove the last digit. Holding the  key down will remove the entire number.

To end your call press .



Automatic Redial

If your call attempt does not succeed as a result of the system being busy, the message Redial? will be displayed for five seconds. Pressing  at this point will automatically redial the phone number.

Redialling the Last Number Called

When in standby mode, press  .

One-Touch Dialling Phone Book Numbers

To quickly retrieve and dial a number stored in the first nine locations of your Phone Book, press and hold the appropriate digit key. For example, pressing and holding  will dial the phone number stored in location 2 of your Phone Book.

Dialling Phone Book Numbers

Enter a Phone Book **Location** and press  .

If you don't know the exact location, you can enter a random location and then use the  and  keys to scroll to the number you want.

Dialling Your Voicemail*

To call the designated number, press the  key.

To enter your voicemail phone number or change an existing number, select the 'Voicemail Number' option in the 'Message Settings' sub-menu.

* Network and subscription dependent feature.

International Phone Calls

To make an international phone call press and hold the  key. After a couple of seconds the international dialling prefix + will appear in the display, this allows you to call from any country without knowing the local international access code.

Inserting Pauses Into Phone Numbers

To obtain a three second 'pause' character in a phone number, press and hold the  key for a couple of seconds, the pause symbol = will appear.

The pause character produces a three second delay whenever it is used. However, the first pause character in a phone number is a special case, it will not begin its delay until the call is answered.

GSM Emergency Calls

Provided that your phone has found a network, you will be able to dial the worldwide GSM emergency number. The call can be made regardless of any security codes and, depending on the network, with or without a SIM card inserted.

The emergency call will be directed to a central emergency operator.

To dial the worldwide GSM emergency number, press



Receiving a Phone Call

To receive a phone call, press  or any number key, or open the flip.

If your keypad is locked, press  to receive a call or open the flip.

If you do not wish to answer a call you can press and hold the  key to reject the call.

If your phone rings and you do not answer it, the message **Unanswered Call** will be displayed to show you that a call attempt was received.

Ending a Phone Call

To end a phone call, press  or close the flip.





Menu Navigation

Menus and Sub-Menus

Please read this section carefully before attempting to access a menu or feature.

A menu is a simple list of options. Some of these options provide access to a further list of options called a sub-menu.

Entering the Menus

 accesses the Features menu

 accesses the Quick Access menu

Once the menus are entered, use the , ,  and  keys in a common manner to access and change individual options.

Leaving the Menus

To leave any of the menus, you can either press and hold the  key or repeatedly press the  key.

Moving to and Selecting a Menu Feature

To move from one option to another on the same level, use the  key to scroll forwards and the  key to scroll backwards. When you find the option you want, press the  key to select it.

Depending on the feature you select, one of three things will happen:

- either a brief message will be displayed confirming an action, for example `Comp1 et.ed.`
or
- a prompt will be displayed requesting you to enter information, for example `Enter PIN` or `Enter Name`.
or
- the first option of a sub-menu will be displayed. You can select this option using the  key or browse through the other options using the scroll keys.

To leave an option or sub-menu, press the  key. This will take you back to the parent menu item.

Menu Options with Security Codes

Some options are protected from misuse by requiring you to enter one of the security codes. In order to use these options, you must enter the requested code before proceeding.

Short, Extended and Personalised Menus

The menu diagrams show the condition of the menu settings when you first receive your phone. Some features are in the Short Menu and are shown in **bold** type. Other features are in the Extended Menu and appear in shaded *italics* - these features do not appear when you first scroll through the menus.

You can change which features appear in the Short and Extended Menus, and therefore personalise the menus, to suit your requirements.

If you want to move a feature from the Short Menu to the Extended Menu (or from the Extended Menu to the Short Menu), go to the feature and then hold down the  key until a prompt appears offering the following choices:

- Add the current feature to the Short Menu/Extended Menu.
- Leave the current feature in the Short Menu/Extended Menu.

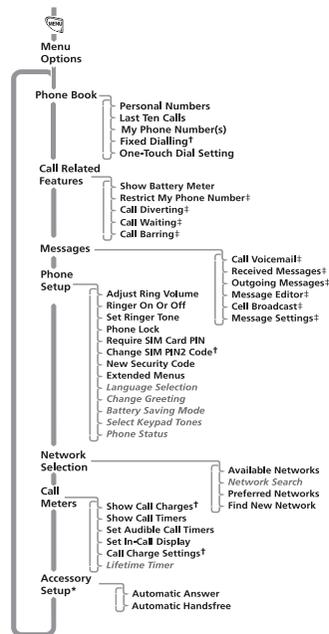
Select the option you want by pressing the  key.

 *The settings for some menu features cannot be changed.*

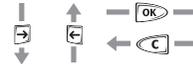




Using The Options Menu



Menu Navigation



Items shown in *italics* are available only when **Extended Menus** are switched on.

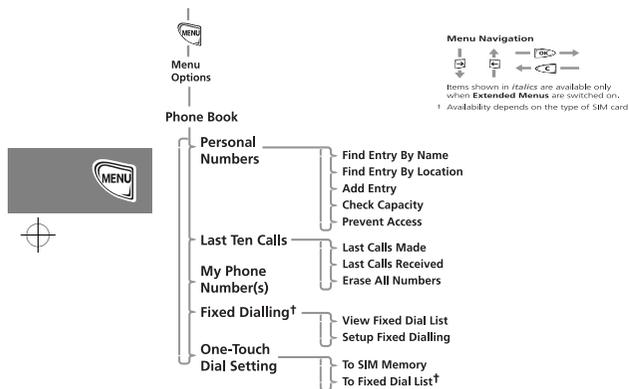
† Availability depends on the type of SIM card.

* The **Accessory Setup** option is available only when a car kit is fitted.

‡ Availability, Network and Subscription dependent.



Using The Phone Book



You can store names and telephone numbers as entries in the *Personal Numbers list* and in the *Fixed Dial list* on your SIM card. The amount of *Personal Numbers* entries will vary depending upon the type of SIM card issued by your Cellular Service Provider.

You can also store up to 40 entries in a Fixed Dialling list if you have this feature. Fixed Dialling allows you to limit use of your phone to particular numbers.

Each Phone Book entry comprises:

- A phone number - up to 20 digits*.
- A name - up to 50 characters* but typically 10 or less.
- A location label - from 1 to 155* in your Personal Numbers list, or 1 to 40* in your Fixed Dial list.

* *Dependent on SIM card.*

How to Enter a Name

The **[J]**, **[K]**, ..., **[Z]** and **[0]** keys are used to enter alphabetic characters.

For example, if you press the **[J]** key, the first displayed character will be J. If this is not the required character, then you can press the same key again to show K. Another press will display L, another... will display 5.

A long press of any of the keys will switch all the characters to lower case, a second long press will switch back to upper case.

To enter the next character press the appropriate key. If, however, the next character is on the same key as the previous character you will first need to press the **[*]** key. Pressing the **[*]** key a second time will produce a space.

If a mistake has been made, you can go back to the incorrect character by pressing **[*]**.



Characters can be removed from the display by pressing the key.
The character under or before the cursor () will be deleted.
Press the key to store the information.

Personal Numbers

To Find Entry By Name

Press to select this feature and enter the first three characters of a name.
The Phone Book entries will be searched and the first matching entry will be displayed. To display adjacent Phone Book entries use the and keys.

To Find Entry By Location

Press to select this feature and enter a location number and press .

The Phone Book entries will be searched and an entry will be displayed. To display adjacent Phone Book entries use the and keys.

Add Entry

This option is used to add (store) entries to the Phone Book.

Check Capacity

This option is used to check the number of free Phone Book entries in the SIM card.

Prevent Access

This option enables you to prevent access to the Personal Numbers list.

Last Ten Calls

The Last Ten Calls Made and Last Calls Received options can be used to call the ten most recently used phone numbers.

Once an option has been selected, use the and keys to scroll through the list of phone numbers. Press the key to call the displayed number.

My Phone Number(s)

This option allows you to recall your cellular phone number.

To enter or change a number, scroll to the location and press . You will be prompted to enter a phone number and then a name. Press to store the information.

Fixed Dialling

Availability of the Fixed Dialling menu depends on the type of SIM card.

This feature allows you to limit use of your phone to a predefined list of telephone numbers (apart from an emergency number).

This option may be affected by the Call Barring setting.

Setup Fixed Dialling

The option allows you to switch Fixed Dialling on or off and to enter or change entries in the Fixed Dial list.

One-Touch Dial Setting

This option allows you to specify which Phone Book list can be One-Touch Dialed.

To SIM Memory

Switches One-Touch Dialling to your Personal Numbers list stored





on your SIM card (locations 1 to 9).

To Fixed Dial list

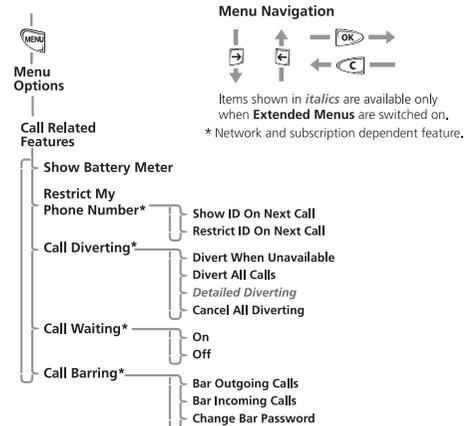
Switches One-Touch Dialling to your Fixed Dial list (locations 1 to 9).

 This option is only available if you have Fixed Dialling.





Call Related Features



Show Battery Meter

This option displays the approximate amount of battery capacity remaining.

Restrict My Phone Number

This is a network feature. You will need to subscribe to a Caller Line Identification restriction feature with your Cellular Service Provider.

This option is used to send or restrict sending your phone number.

Call Diverting

This option can be used to:

- Divert all incoming calls unconditionally.
- Divert incoming calls whenever your phone is unavailable.
- Divert calls to different numbers, depending on the current status of your phone.
- Reset all diversion options to off.

 You cannot change the call divert settings when you are out of network coverage.

After selecting any of the call divert options there will be a short delay while the phone asks the network for the current setting.





Call Holding and Call Waiting

Using these options you can place a current phone call on hold and accept an incoming call or start a second call.

If Call Waiting is On, you will be notified of a waiting call by an audible alert and by the message **Call Waiting - Answer?**.

You can press the **▶** key to accept the waiting call, or use the **◀** key to scroll to an alternative option and then press **▶**.

Call Holding and Call Waiting Scenarios

The display will automatically change according to the status of your current call (or calls) and will propose the option that you are most likely to want. Press **▶** to accept this option or press **◀** to scroll through the alternative options. By following this procedure you will find that even the triple combination of an active call, a held call, and a call waiting is easy to manage.

The following points summarise the more common situations:

- To end the active call, press **▶**. If you have a call on hold it is automatically connected.
- To put the active call on hold and make another call, press **◀** and select the **Hold Call** option, then press **▶** again and select the **Make New Call** option.
- To put the active call on hold and reconnect a held call, press **◀** and then select the **Switch Calls** option.
- To accept a waiting call, press **▶**. The active call will be placed on hold. If you prefer to end the active call before accepting the waiting call, press **◀** and select the **End Active Call** option, or **End Held Call** option as appropriate.

- To reject a waiting call, press **◀** and select the **Reject Call Waiting** option (or simply press the **◀** key).

ⓘ If you have an active call, a call on hold and a call waiting, you cannot accept the waiting call until you end either the active call or the held call.

ⓘ If you have Caller Line Identification, the caller's name or number is displayed instead of the Call Waiting message.

Call Barring

This is a network feature which can be used to selectively bar outgoing and incoming calls.

If you change the barring setting, you may be asked to enter your barring password. There will be a short delay while the phone notifies the network of the new setting. When the change has been made by the network, the phone will display a confirmation message.

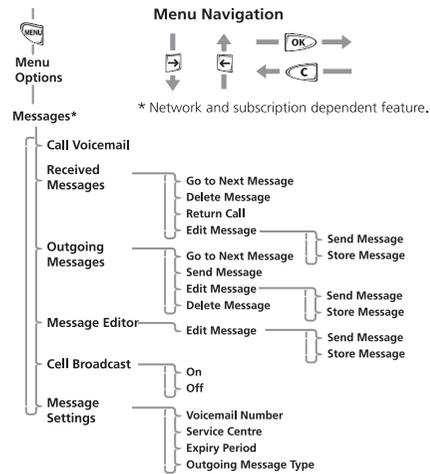
The *initial* password will be supplied to you by your Cellular Service Provider when you subscribe to this service.

ⓘ This option may be affected by the Call Diverting or Fixed Dialling settings.





Using The Messages Menu



SMS Messages

These are text messages that are sent specifically to and from your phone number.

When an SMS message is received, your phone:

- 1 Makes three short alert tones.
- 2 Displays the  (messages) icon.
- 3 Stores the message for later viewing, if there is space. If there is not enough space, the  icon will flash. One or more messages must be removed before the message can be stored.



Your Cellular Service Provider will transmit a message for a limited amount of time. If a memory location is not made available before the message is removed from the network, then you will not be able to receive or read it.

Cell Broadcast Messages

These are general messages, broadcast to a group of phones and can only be received when your phone is in standby mode.

These messages are broadcast in numbered 'channels' and, in general, each channel will tend to carry one particular type of information.

Please contact your network operator for a list of available channels and the information they supply.

When the message has scrolled across the display, the beginning of the message will be shown until you either remove it or a new message arrives.



Call Voicemail

To make a call to the current voicemail number, press .

How To Read SMS Messages

You can use the scroll keys ( and ) to scroll through messages in either the Received Messages or Outgoing Messages lists.

To display a specific message, enter the message number, for example press  to display the 5th message. If the message does not exist, Invalid Message Number will be displayed.

Alternatively, to display the next message, press  and select Go To Next Message.



How to Create and Edit SMS Messages

Use the *Message Editor* to create or modify text messages. When you enter the editor, the last message that was edited will be displayed. Press and hold  to clear the message and start a new one, or modify the message displayed.

Press  once you have completed your message. You will then be able to either send or store the message.

Received Messages

Used to view and manage any SMS messages that have been sent to your phone number. When selected, a message indicating the total number of messages and how many are new will be displayed.

Press the  key, when viewing any message, to enter the 'Go to Next Message', 'Delete Message', 'Return Call' and 'Edit Message' sub-menu.

Outgoing Messages

Used to view and manage any outgoing messages. These messages will be stored on your SIM card. When you select this option, the total number of messages will be displayed followed by the first message in the list.

 You cannot send an outgoing message until the Message Service Centre number has been set. See 'Message Settings'.

Press the  key, when viewing any message, to enter the 'Go to Next Message', 'Send Message', 'Edit Message' and 'Delete Message' sub-menu.

Message Editor

The Message Editor is used to edit the currently selected message and then to either send the modified message or store it in your Outgoing Messages list.

Cell Broadcast

Used to set the cell broadcast settings.

While a broadcast message is scrolling across the display you can stop and start it by pressing . Press  to restart the message from the beginning.

 Cell Broadcast may use a significant amount of battery power.



Message Settings

Voicemail Number

Used to enter a phone number which will be used by the 'Call Voicemail' option. Once stored the number can also be dialed directly by pressing .

This location can be programmed to call any other number if you do not want instant access to voicemail.

This location may be programmed and locked by your service provider. If so, this feature option will not appear.

Service Centre

Before you can send any messages you must use this option to enter your Message Service Centre number. This number is obtained from your Cellular Service Provider.

Expiry Period

You can use this option to specify the maximum time, in hours, that your unforwarded messages are to remain with the Message Service Centre before being deleted.

Outgoing Message Type

This option is network dependent and can be used to specify the format of your outgoing messages.

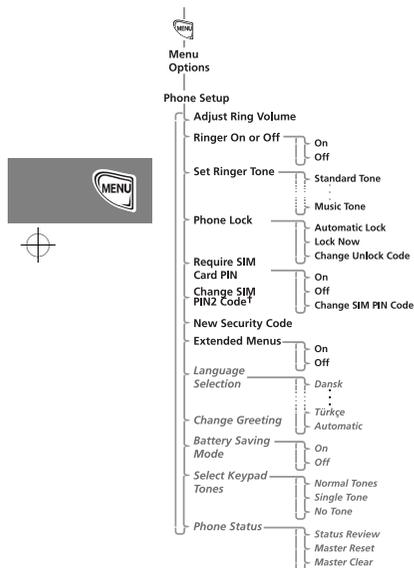
You can select from the following message types:

Text (default), Fax, *400, Paging, E-Mail, ERMES or Voice.





Using The Phone Setup Menu



Menu Navigation

 Items shown in *italics* are available only when **Extended Menus** are switched on.
 † Availability depends on the type of SIM card.

Adjust Ring Volume

Sets the incoming call ring tone volume.

Ringer On or Off

Sets the way your phone alerts you to an incoming call; with a ringer tone or a display message.

Set Ringer Tone

This option sets the tone your phone will make when an incoming call is received.

Phone Lock

Used to lock your phone and to change, the unlock code.

The unlock code is a four digit number which is set at manufacture to **1234**. This can be changed at any time by using the 'Change Unlock Code' option.

Select *Automatic Lock* to lock your phone each time it is switched on.

Require SIM Card PIN

Used to set, and change, the PIN code.

⚠ If the PIN number is entered incorrectly three times in a row, your SIM card will automatically lock-up and the Blocked message will be displayed.



Unlocking Your Phone

If you receive the Blocked message, you will need to enter an unblock code and key sequence before you can use the phone.

The 8 digit PIN unblocking code will have been provided with your SIM card by your Cellular Service Provider.

Enter the following key sequence to unblock your phone:

Unblock Code New Pin Code New Pin Code

The new PIN code must contain four to eight digits.

If this operation is performed incorrectly ten times in a row, your SIM card will become permanently blocked.

Change SIM pin2 code

This option is used to change your PIN2 security code.

If the PIN2 security code is entered incorrectly three times in a row, the Blocked message will be displayed.

Unlocking Your Phone

If you receive the Blocked message, you will need to unblock and change the code before you can use the phone.

The 8-digit unblocking code will have been provided with your SIM card by your Cellular Service Provider.

Availability of the SIM PIN2 Code is dependant on the SIM card in use.

Unblock Code New Pin2 Code New Pin2 Code

If the PIN2 unblocking operation is performed incorrectly ten times in a row, your PIN2 code will become permanently blocked.

New Security Code

This option is used to change the security code, which is set at manufacture to 000000.

Extended Menus

Used to switch the extended menus on or off.

Language Selection

Used to change the language for display messages.

Change Greeting

Changes the message displayed when you switch on your phone. May not be available if pre-programmed by your Service Provider.

Battery Saving Mode

This option will help to conserve battery power. Also known as DTX (Discontinuous Transmission), this feature causes your phone to operate at reduced power when you are in a call and not talking.

Select Keypad Tones

Allows you to change or disable audible tones on a key press.





Phone Status

Status Review

Used to view the current setting of menu options.

Master Reset

⚠ This option should be used with caution.

Used to restore certain phone options to their original settings. When selected, you will be asked to enter the security code. This option will perform the following:

- Cancel Automatic Answer, Audible Call Timers, In-Call Display Meter, Battery Save (DTX), Automatic Handsfree, Automatic Lock and Cell Broadcast.
- Return Language Selection to Original.
- Restore Keypad Tones to Normal, Ringer Tones to Standard, Volume Level to Medium and Network Search frequency to Medium.
- Reset the expiry period for SMS messages to 24 hours and the Message Type to Text.



Master Clear

⚠ This option should be used with extreme caution.

Used to restore certain phone options to their original settings. You will be asked to enter the security code. This option will then perform the same operations as 'Master Reset', plus the following:

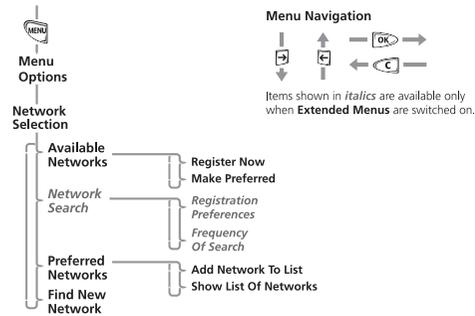
- Clear the Last Calls Made and Last Calls Received list
- Clear the Message Editor
- Reset the Resettable Call Timers.

Master Clear does **not** clear the:

- Fixed Dial list
- My Number(s) list
- Charge Meters
- Received and outgoing messages list.



Using The Network Selection Menu



Your phone automatically searches for the last network used. If, for any reason, this network is unavailable, your phone will attempt to register with a new network.

Available Networks

This option will scan to see which networks are operating in your current location. When the scan is complete, press the **▲** and **▼** keys to scroll through the list. When you see a network you wish to register with or store in your preferred list, press the **▶** key.

Network Search

These options determine how often your phone tries to register with a network and how the attempt is made.

Fast and Continuous Search may use up a significant amount of battery power.

Preferred Networks

Add Network To List

Enables you to add networks to your preferred list.

Show List Of Networks

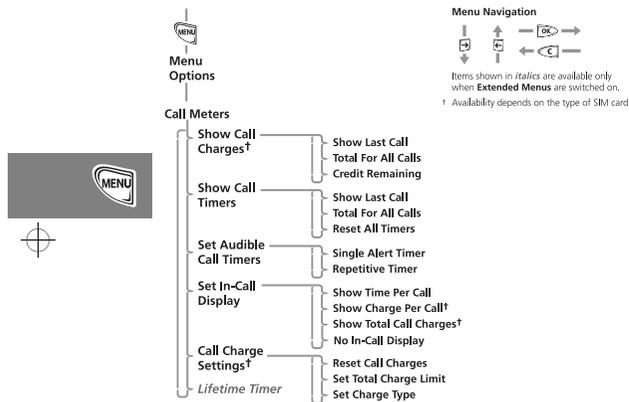
Used to display the networks you have stored in your preferred list. In addition, pressing the **▶** key will select the currently displayed entry and enter a move/delete sub-menu.

Find New Network

When selected, the phone will try to register with a network. If the attempt fails, your phone will then try to re-register with the previous network.



Using The Call Meters Menu



Show Call Charges

This menu item is only available if you receive the Advice of Charge service.

Allows you to display the cost of your calls or the amount of credit remaining. The figures are in phone units or currency depending on the setting of the **Set Charge Type** option.

Show Call Timers

This feature allows you to display the duration of your calls and to reset your time meters to zero.

Set Audible Call Timers

Your phone provides two programmable audible call timers:

- The 'Single Alert Timer' will sound a beep just once during a call, after a preset time has elapsed.
- The 'Repetitive Timer' will sound regular beeps during a call, at preset intervals.

In both cases, the timers will sound their beeps ten seconds before the end of the programmed time.

Set In-Call Display

Allows you to specify whether the time or charge meters are displayed during a call. If you do not have the Advice of Charge service, then only the time meter is available.

Call Charge Settings

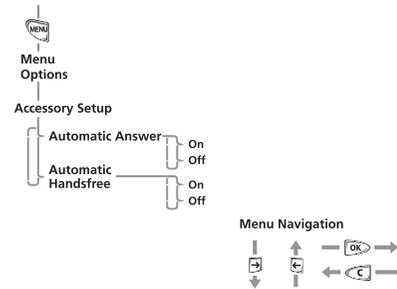
This menu item is only available if you receive the Advice of Charge service.

Allows you to customise your Advice of Charge settings. You will be prompted to enter your PIN2 security code before you can access the options.

Lifetime Timer

Used to display the total time of all calls made on your phone. This meter can not be reset.

Accessory Setup



 You will only be able to access this menu when your phone is mounted in a car kit.

Automatic Answer

Allows your phone to automatically answer an incoming call after two rings.

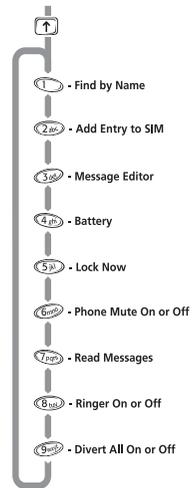
Automatic Handsfree

If this feature is set to on, the phone will always receive incoming calls in handsfree mode. To toggle between handsfree and private while in a call press .





Using the Quick Access Menu



The menu shown above represents the default setting supplied with your phone.

Although the features in your phone are available through easy access menus, some of the most commonly used features are also available in the Quick Access menu. Each feature in the menu is allocated a number from 1 to 9.

To use a Quick Access feature, press the quick access key (■) followed by the number of the feature, or press ■ or ■ to scroll through the menu and then press ■.

Find by Name

You will be prompted to Enter Name. Enter the first three characters of the name and press ■. The first matching entry in the Phone Book will be displayed. Press ■ to call the number.

Add Entry to SIM

You will be prompted to enter a phone number and then a name.

If you already had a number displayed, it will automatically be re-displayed when you select this feature.

The number will be stored in the next available SIM card location. See 'Add Entry' for more information.

Message Editor

The last message edited will be displayed. Press and hold C to clear the message and start a new one, or modify the message displayed. See 'How to Create and Edit SMS Messages' for more information.

Battery

A bar graph indicating the approximate battery charge level will be displayed. The more bars displayed, the greater the charge level.

See 'Show Battery Meter' for more information.



Lock Now

Immediately locks your phone, you will not be able to use your phone until the unlock code is entered. See 'Phone Lock' for more information.

Phone Mute On or Off?

This option allows you to have a conversation without the person on the line being able to hear you.

Read Messages?

Your newest message will be displayed; you can then read, delete and edit messages as normal. See 'Received Messages' for more information.

Ringer On or Off

This option allows you to turn off your phones ringer.

Divert All On or Off

This option allows you to divert all call types to an alternative number.

See 'Call Diverting' for more information.



Approved Accessories

The following accessories have been designed to work with your phone and are packaged separately. Additional accessories may be available. Please refer to your local service provider or retail outlet for more information.

Standard Travel Charger UK, SPN4364

Standard Travel Charger EURO, SPN4365

Rapid Travel Charger, SPN4366 (Requires an adaptor).

EURO Adaptor Plug, SYN4655

UK Adaptor Plug, SYN4656

US Adaptor Plug, SYN4657

India Adaptor Plug, SYN4696

Australia/NewZealand Adaptor Plug, SYN4694

Cigarette Lighter Adaptor, SYN5383

Headset Kit, SYN4937

Headset Adaptor, SYN5532.

Simple Hands Free Car Kit, S6778

Hands Free Car Kit, S6987

RF Adaptor Kit, SYN5670Call Meters





What to do if...

You can't switch your phone on	<p><i>Check the battery.</i> Is it charged, properly fitted and are the contacts clean and dry? See 'Important Battery Information'.</p>
You can't make calls	<p><i>Check the antenna.</i> Is it fully extended?</p> <p><i>Check the signal strength meter in the display.</i> If the signal is weak, move to an open space or, if you are in a building, move closer to a window.</p> <p><i>Check the Network Selection settings.</i> Try Manual Selection, or try another network. See 'Network Search'.</p> <p><i>Check your Operator coverage map.</i></p> <p><i>Is Restricted displayed?</i> Check the Call Barring and Fixed Dialling settings.</p> <p><i>Has the call charge limit been reached?</i> Use your PIN2 code to reset the limit or contact your Service Provider. See 'Set Total Charge Limit'.</p> <p><i>Has a new SIM card been inserted?</i> Check that no new restrictions have been imposed.</p>
You can't receive calls	<p><i>Check the antenna.</i> Is it fully extended?</p> <p><i>Check the signal strength meter in the display.</i> If the signal is weak, move to an open space or, if you are in a building, move closer to a window.</p> <p><i>Check the Call Diversion and Call Barring settings.</i></p> <p><i>Check the Ringer settings.</i> If it is off, there is no audible alert. See 'Ringer On or Off'.</p>
Your phone won't unlock	<p><i>Have you inserted a new SIM card?</i> Enter the new PIN code. See 'Entering Your SIM Card PIN Code'.</p> <p><i>Do you have a replacement phone?</i> Enter the default phone unlock code - 1234.</p> <p><i>Have you forgotten the unlock code?</i> Press  to change the unlock code (you will need your security code).</p>
Your PIN is blocked	<p><i>Enter the PIN unblocking code supplied with your SIM card (see 'Unblocking Your Phone').</i></p>
Your PIN2 is blocked	<p><i>Enter the PIN2 unblocking code supplied with your SIM card (see 'Change SIM PIN2 Code').</i></p>
Your SIM card won't work	<p><i>Is the card inserted the right way round?</i> See 'SIM Card Insertion'.</p> <p><i>Is the gold chip visibly damaged or scratched?</i> Return the card to your Service Provider.</p> <p><i>Check the SIM contacts.</i> If they are dirty, clean them with an antistatic cloth.</p>



The battery won't charge	<p><i>Check the charger.</i> Is it properly connected? Are its contacts clean and dry? See 'Your Battery'.</p> <p><i>Check the battery contacts.</i> Are they clean and dry?</p> <p><i>Check the battery temperature.</i> If it is warm, let it cool before recharging.</p> <p><i>Is it an old battery?</i> Battery performance will decline after several years use. Replace the battery.</p>
The battery drains faster than normal	<p><i>Are you in an area of variable coverage?</i> This uses extra battery power.</p> <p><i>Is your antenna fully extended?</i> This helps use less battery power.</p> <p><i>Is it a new battery?</i> A new battery will need two to three charge/discharge cycles to attain normal performance. See 'Charging a New Battery'.</p> <p><i>Is it an old battery?</i> Battery performance will decline after several years use. Replace the battery.</p> <p><i>Is it a battery that hasn't been completely discharged?</i> Allow the battery to fully discharge (until the phone turns itself off) and then charge the battery overnight.</p> <p><i>Check that the Frequency Of Search feature in the Network Selection menu has not been set to Fast or Continuous.</i> See 'Network Search'.</p> <p><i>Check that the Battery Saving Mode feature has not been set to Off.</i></p> <p><i>Are you using your phone in extreme temperatures?</i> At extreme hot or cold temperatures, battery performance is significantly reduced.</p>
You can't cancel Call Diverting or Call Barring	<p><i>Wait until you are in an area with good network coverage and try again.</i></p>
The  symbol is flashing	<p><i>There is not enough memory available to store another SMS message.</i> Use the Messages menu to delete one or more existing messages.</p>
I can't make international calls	<p><i>Some Service Providers automatically bar the ability to make international calls.</i> Contact your Service Provider.</p> <p><i>Have you included the relevant codes?</i> Press and hold the  key to display the international dialling prefix (+) and then enter the appropriate country code followed by the phone number. The table over page lists some of the more commonly used country codes.</p>



Index

A	C	K
AA Batteries 13	Call Barring 26	Key Presses 2
Add entry	Call Charge Settings 34	Keypad Tones 31
To SIM card memory 37	Call Charges 34	Keys 11
Approved Accessories 39	Call Diverting 25	
Audible Call Timers 34	Call Holding 26	L
Automatic Answer 35	Call Timers 34	Language Selection 31
Automatic Handsfree 35	Call Waiting 26	Last Ten Calls 23
Automatic Redial 16	Cell Broadcast 28	Lifetime Timer 34
Available Networks 33	Cell Broadcast Messages 27	Locking the keypad 15
	Change Greeting 31	Low Battery Warning 13
B	D	M
Battery 12	Display 11	Master Clear 32
Battery Cover Removal 12		Master Reset 32
Battery Saving Mode 31	E	Menu navigation 19
Care and Storage 13	Emergency Calls 16	Menus 19
Charging the Battery 12, 13	Ending a Phone Call 17	Extended 19
Disposal 13	Entering Information 2	Personalised 19
Installing the Battery 12	Expiry Period 29	Quick Access menu 37
Low Battery Warning 13	Extended Menus 31	Short 19
Using 'AA' Batteries 13	F	Message Editor 37
Battery Meter 25	Fault finding 41	Message Settings 29
Battery Saving Mode 31	Find entry by name 37	Messages
	Find new Network 33	Cell Broadcast Messages 27
	Fixed Dialling 23	Message Editor 28
		Outgoing Messages 28
		Received Messages 28
		SMS Messages 27
		My Phone Number(s) 23
	I	
	In-Call Display 34	
	International Phone Calls 16	



N	Q	V
Networks	Quick access menu37	Voicemail 16, 28
Find new Network 33		Voicemail Number29
Network search 33	R	
Networks Available 33	Redial16	W
Preferred Networks 33	Redialling the Last Number Called16	Warranty3
	Ringer On or Off30	What to do if...41
	Ringer Tone setting30	
O	S	
One-Touch Dial Setting 23	Security Code31	
One-Touch Dialling 16	Service Centre29	
Other Symbols 2	SIM Card14	
Outgoing Message Type 29	Insertion and Removal14	
	SIM Card PIN Code15	
P	SIM Card PIN30	
Pauses 16	SIM pin2 code31	
Personal Numbers 23	SMS Messages27	
Phone Book	Creating and Editing SMS Messages 28	
Access prevention 23	Speaker Volume Adjustment11	
Add Entry 23	Sub-Menus19	
Capacity 23	Switching Your Phone On and Off15	
Entering a name 22		
Find entry by location 23	T	
Finding entry by name 23	Total Customer Satisfaction3	
Last Ten Calls 23	Troubleshooting41	
Personal Numbers 23		
Phone Book Numbers 16	U	
Phone Lock 30	Unblocking your phone31	
Phone Number restriction 25	Unlock Code15	
Phone Status 32		
Preferred Networks 33		
Prompts and Messages 2		







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