

General safety

- Observe 'Turn off 2-way radio' signs, such as those near stores of fuel, chemicals or explosives.
- Do not allow children to play with the phone, charger or batteries.
- The operation of some medical electronic devices, such as hearing aids and pacemakers, may be affected if a cellphone is used next to them. Observe any warning signs and manufacturer's recommendations.

Road safety

- You **MUST** exercise proper control of your vehicle at all times.
- The handset or hand-held microphone should not be used while driving. Find a safe place to stop first or use the hands-free kit available.
- Do not speak into a hands-free microphone if it will take your mind off the road.
- You **MUST NOT** stop on the hard shoulder of a motorway to answer or make a call, except in an emergency.
- Switch off your cellphone at a refuelling point, such as a petrol station, even if you are not refuelling your own car.
- Do not store or carry flammable or explosive materials in the same compartment as a radio transmitter, such as a cellphone.
- You must not use the phone's car kit alert device to operate the lights or horn of your vehicle while on a public road.
- Electronic vehicle systems, such as anti-lock brakes, speed control and fuel injection systems are not normally affected by radio transmissions. The manufacturer of such equipment can advise if it is adequately shielded from radio transmissions. If you suspect vehicle problems caused by radio transmissions consult your dealer and do not switch on your phone until it has been checked by qualified approved installers.

Third party equipment

The use of third party equipment, cables or accessories, not made or authorised by NEC, may invalidate the warranty of your cellphone and also adversely affect the phone's operation. For example use only the NEC mains cable supplied with the AC charger.

Service

The cellphone, batteries and charger contain no user-serviceable parts. We recommend that your NEC cellphone is serviced or repaired by an NEC authorised service centre. Please contact your Service Provider or NEC for advice.

Non-Ionising Radiations

The radio equipment shall be connected to the antenna via a non-radiating cable (e.g. coax).

The antenna shall be mounted in a position such that no part of the human body will normally rest close to any part of the antenna unless there is an intervening metallic screen, for example, the metallic roof.

Before you start

Cellphone system structure

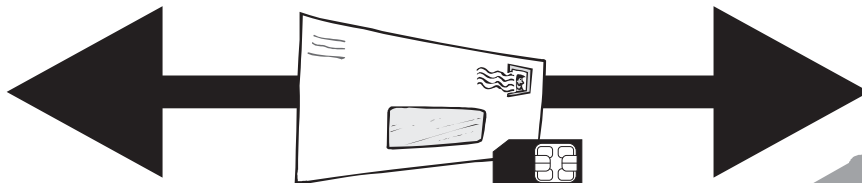
It is worth remembering that every time you use your phone, three different organisations are involved:

NEC



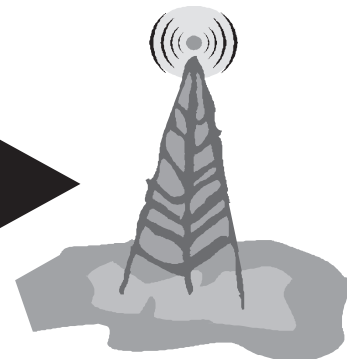
The people that
make your phone

Service Provider



The people that supply
your SIM card and bills

Network












The people that
transmit your calls

All the features described in this user guide are supported by your DB2000 phone. However, for all these features to work, you must have a SIM card (supplied by your Service Provider) that also supports these features. Even if you have a fully featured SIM card, any feature not supported by the Network transmitting your call will not work. This last point is especially important when you are roaming networks (see page 10).

User guide structure

This user guide is divided into subjects represented by the headings and icons shown opposite. To help you work your way through this guide, the relevant subject icon is shown at the top of each page.

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Getting Started

The DB2000 is a dual band digital cellphone designed for use on a Global System for Mobile Communications (GSM) network. GSM networks are installed and planned for many countries throughout Europe and operate on two frequencies: 900MHz (known as GSM900 or just GSM) and 1800MHz (known as GSM1800 or PCN - Personal Communications Network). Your DB2000 is capable of working on *both* of these systems.

This world standard allows you to roam and use your own phone in other countries. You can, if you wish, make and receive all calls as if you were in your home country, with all billing being made via your normal Service Provider.

Preparing the phone

Before you try to use your phone check the following has been carried out.

- Valid SIM card inserted (see below)
- Battery charged (see page 13)
- PIN 1 code entered (if necessary - see page 2)

SIM card


Before using your cellphone you must sign-up with one of the digital network Service Providers. In addition to your subscription details you will receive a personal SIM (Subscriber Identity Module) which is inserted into your phone.

If the SIM card is removed then the phone becomes unusable until a valid SIM is fitted. It is possible to transfer your SIM to another compatible phone and resume your network subscription.


There are two types of SIM, plug-in and full-size, and this phone uses the plug-in type. The screen on your phone will display appropriate messages if no SIM is fitted.


Inserting a SIM

- Make sure that the power is off and then remove the battery ① & ② to reveal the SIM location.
- Slide the catch ③ in the direction of the open arrow.
- Insert the SIM, ensuring the gold contacts are face down and that the notch on the card is at the top right-hand corner.
- Slide the catch in the direction of the lock arrow and replace the battery.


 *The phone supports a number of languages and the keyboard symbols have been chosen for world-wide operation.*

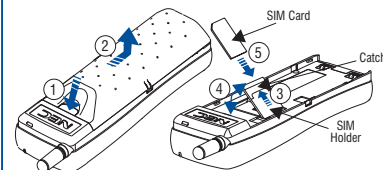
 *The digital technology of your NEC GSM phone helps to ensure that your conversations are kept secure.*

 *If the phone, or the SIM, is lost or stolen then you should contact your Service Provider immediately in order to bar it from use.*

 *The SIM card contains personal data such as your electronic phonebook, messages (see page 48) and also details of the network services you have subscribed to. The phone will not work (except for emergency calls on some networks) unless a valid SIM is fitted.*


 *If the SIM is already fitted, see Start-up on page 2.*

 *If you insert a SIM card other than your own, information such as call logs may be lost.*





Start-up

Switching the phone on

- Hold down the power key  for about a second, to switch on. You will hear a tone, the screen usually displays the greeting message (see page 24 to change this) and the phone is then in standby, see the Standby screen on page 5.

Switching the phone off

- Hold down the power key  until the display shows power down message.
-  Do not remove the battery to switch your phone off as this may cause loss of stored information.



PIN 1 code

The SIM card issued by your service provider has a security feature called PIN 1 code protection. The PIN 1(Personal Identification Number) is a number put onto the card by your Service Provider, and is 4 to 8 digits long. Some service providers supply SIM cards which will cause your phone to prompt for a PIN 1 code when it is turned on. If this is the case, use the phone's keypad to enter your code. You can disable this prompt (see page 39).


Display information

LED indicator

<i>One flash every 5 secs</i>	In service on your home network (green/red).
<i>Two flashes every 5 secs</i>	In service on another network (green/red).
<i>One flash every 5 secs</i>	Unread messages in SIM, unanswered calls or voice mail (orange).
<i>Continuously on</i>	Recharging (red for charging, green for complete).
<i>One flash every second</i>	Incoming message (green).
<i>Two long flashes every second</i>	Incoming call (green).


- To turn the LED indicator off, press the  key, then **8, 0, 2**.
- To turn the LED indicator on again, press the  key then **8, 0, 1**.

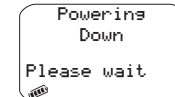
-  Wherever the LED is normally green; it will turn red when the battery is becoming low (or being charged). The orange states will remain orange.

-  You may need to charge the battery before using your cellphone. If the phone gives no response when switched on, read the information about batteries on page 12.

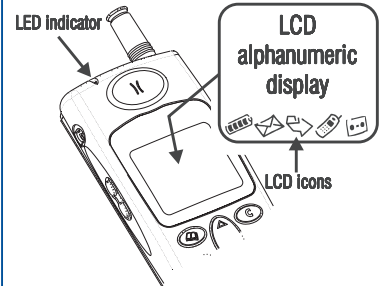


Greeting message

-  The greeting message may not be as indicated if any locks have been set or the wrong SIM has been inserted. Please follow any instructions given, e.g. 'Return to Service Centre'.



Power down message





LCD alphanumeric display

This display shows the current network, signal strength, status messages (e.g. **Callina** . . .), the current time, and whatever you have keyed in on the phone's keypad. In addition to this, it also displays the phone's menu options. Many of the phone's features are activated using its powerful menu structure (see page 14 on selecting the phone's features).

LCD Icons

The five LCD icons are located below the alphanumeric display and indicate the following:



Battery charge level

This icon indicates the amount of charge left in your battery; the more black squares shown the higher the battery charge level (see page 12 for battery care details). This icon will pulse when the battery is being charged.



Short message waiting

This icon indicates a short message is awaiting your attention (see page 49 for details).



Call forwarding set to on

This icon indicates your phone is set up to divert incoming calls under the conditions in menu 3 (divert). See page 44 for a full description of call forwarding.



Call connected

This icon is displayed continuously during a call and will flash if you have a call waiting or if you have a call on hold. This icon will flash at a different rate if the encryption function is active.



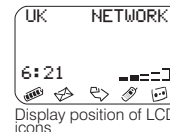
Voice mail waiting

This icon indicates a voice mail message is awaiting your attention (see page 55 for details).


Setting the display to English

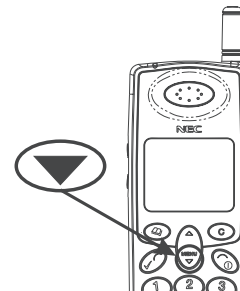
If the display is showing any other language than English, proceed as follows:

Press  **MENU**  **8 7 1**.



Display position of LCD icons

 *Encryption is a network feature which makes conversations even more secure than the standard transmission.*





Basic calls & phone use

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<i>Unsuccessful calls</i>	<i>6</i>
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Connecting to the network



The success of the radio link between your phone and the network may be affected by the antenna length. For the best reception make sure the built-in antenna is fully extended from the top of the phone.

Hold down the power key  for about a second, to switch on.

After start-up, and correct PIN 1 code entry if necessary, the phone searches for a network. When found, the network name and country are displayed (if this information is transmitted by the network in use). You also see the time, signal strength, battery strength and any area messages if this facility is enabled (see page 53).

The phone's LCD display shows the strength of the radio signal that links your phone to the network. A maximum signal is shown by 5 shaded blocks and a minimum signal by 1 block. It is also possible to set the phone to indicate the presence of a signal using the LED indicator at the top of the phone.

Receiving calls

When someone calls your number, the phone's ringer will sound, if set (see page 19), and **CALL** flashes on the screen. The backlight and the LED at the top of the phone also flash.

The phone number of the person calling may be displayed in the middle of the screen if the calling line identification (CLI) facility is available and the caller has activated the feature. If the caller's phone number has been stored in your memory along with a name (see page 30), that name will be displayed. If the caller has withheld their identity then the screen will give a message that the incoming number is being withheld.

Accepting a call

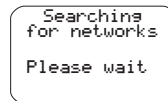
Press the  key.

Rejecting a call

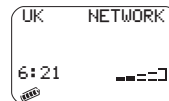
Press  briefly.

You also have options for holding calls and diverting calls. These options depend upon your network and your subscription arrangements.

If your cellphone receives a call and you do not answer it, the screen will display the time of the call and the telephone number of the caller (if available). This information is stored in the unanswered calls list. Up to 10 unanswered calls are stored in this list. The last 10 answered calls are stored in the answered calls list.



Linking to network





Standby screen



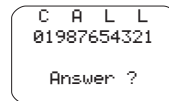
If the screen indicates **Searching for Network or No Service** you will not be able to make or receive any normal calls. You may be able to make emergency calls.



You can set your phone to answer a call when any key except the  key is pressed - see 'Answer key' on page 20. If you are making a call, the phone gives priority to receiving a call unless you have already pressed the  key.


See Also: Call waiting & holding (page) and 46Call diverting (page).45

See Also: Viewing Answered and Unanswered Calls on page 29 .



Incoming call

Making basic calls



You make a simple call in the same way as you would with a normal phone, except that you need to press the  key after entering the phone number and area STD code. To make international calls you must first enter the international dialling code (see page 9).

Starting a call



 Key in the phone number

Check the number on the display.

 Use the full STD area code even if you are in the same town. Long numbers will continue on a second line.

 Press  to send the call.

 If you do not wish your number to be displayed on the phone you are calling, turn the send own number feature off (see page 8).

 To abort the call at any time, press  briefly. The Standby screen will be displayed.

The display will show you that the system is trying to connect your call and changes as you hear the call established.

When the call is connected the screen displays the number called or your name for the number (if a name has been stored in memory along with the number - see page 30), the duration of this call so far (if the in-call timer feature is enabled - see page 21), and the signal strength.

Correcting mistakes

 Press **C** to clear individual digits or hold down the **C** key to completely clear a phone number.

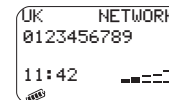
Ending calls

 Press  (Short press) The phone returns to standby.

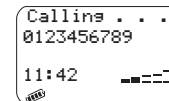
Unsuccessful calls

If the call cannot be connected, you will hear a tone. The display will give an appropriate message, and the phone will return to standby.

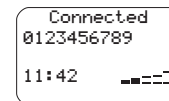
If a connection is broken, such as by a poor radio signal, then the phone returns to standby. You may also get a warning tone.



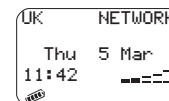
Phone number on screen




Trying to connect





Connected

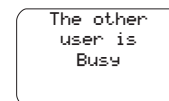


In standby ready for use

 See also: Phone Number Editing on page 37.

 Always press  even if the other person has ended the call first.

 If the  key is held down, the unit will turn off.



Unsuccessful call



Stored numbers

You can store numbers and names on your phone, and recall these numbers to make calls. The numbers and names are stored on your SIM card.


The following numbers are considered to be stored numbers:

- Numbers you have stored yourself
- The last 10 outgoing call numbers (redial numbers)
- The last 10 incoming answered calls (unless a number was withheld)
- The last 10 unanswered calls (unless a number was withheld)

Emergency calls

The standard emergency number of 112 can be used.

☞ Key **1 1 2**

☞ Press  to connect the call to the local emergency services.

Last number redial

To redial the last number you called:

☞ Ensure the standby screen is displayed and no phone number is shown.


☞ Press the  key twice. The last number you dialled will be called.


Earpiece and ringer volume

To change the earpiece volume

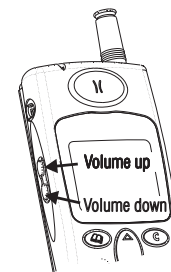
☞ Use volume keys during a call. The settings remain at the level last set.


Whilst the phone is ringing, the volume keys on the side of your phone control the ringer volume.

 See Also: *Storing and retrieving numbers on page 26.*

 *On some networks emergency calls can be made using the 112 number without a SIM card inserted. In the UK, the number 999 can also be used for emergency services but the phone must contain a valid SIM card.*

 See also: *Redial facilities on page 28.*



 *At other times the volume keys on the side of your phone control the volume of keypad tones.*

Muting the microphone during a call

Press **MENU** **7** during a call to turn the mute on or off.

Displaying your own phone number

Press **MENU** **#** with the phone switched on and in standby or in a call. This will display the first number stored on the SIM.

Press the **▲** or **MENU** key to select from the list of your own numbers, if applicable.

Sending your own phone number

You can send your own phone number when you make a call so it will be displayed on the phone you are calling (CLI).

Press **MENU** **8 1 3**. Then **1** to turn CLI on or **2** to turn it off.

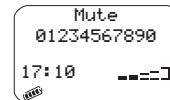
Setting your phone's mode

Your phone can be set to operate in one of four modes.

- Normal
- Meeting
- Pocket
- Headset

When one of these modes is selected, some of your phone's settings will be altered automatically to suit the situation suggested by the respective mode name. The phone functions altered are as follows:

- Ringer volume level
- Silent mode setting
- Vibrator setting
- Keypad lock setting
- Backlight setting



Mute during call

You can enter a number of 'own phone numbers' to allow for voice, data and FAX calls etc. To enter and/or edit your own phone numbers, see page 35.

Your phone always powers up in the normal mode.



Mode selection & settings

The following table shows the selection keys and default settings for each mode.

	Normal (▲ 1)	Meeting (▲ 2)	Pocket (▲ 3)	Headset (▲ 4)
Ringer Volume	As set in menu	As set in menu	High	As set in menu
Silent mode	As set in menu	On	Off	Off
Vibrator	As set in menu	On	On	Off
Keypad lock	Off	Off	On	Off
Backlight	Normal	Normal	Normal	On

International dialling codes

When you make an international call from any country, you must start by dialling a special international access code.

Your cellphone has the facility to prefix numbers with a '+' symbol, which saves you entering the access code for the country that you are calling from.

Your phone will automatically dial the correct numbers for each country if you enter the '+' digit as follows:

Entering international dialling codes

With the phone in standby

 Hold down **0**. The '0' character displayed changes to a '+' character.

You can then enter the country code, area code, and phone number that you wish to call.

The UK country code is always 44, no matter what country you are dialling from. For example, a typical UK number of 01189 123456 is entered as:

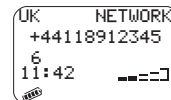
+	44	1189	123456
International access	country code	area code	phone number



To select any other mode when in the pocket mode the keypad lock will have to be turned off (**MENU 0**).



Any changes made to these settings whilst in a mode will be stored and used when that mode is selected again.



International number entry



Roaming

Roaming is a standard feature of the GSM network technology. Roaming allows you to use your phone in many parts of the world and pay all charges through your normal Service Provider.

Your network operator usually has agreements with named networks in other countries. The SIM fitted in your phone can be supplied so that automatic roaming can take place with these named networks. The phone also allows you to set network preferences of your own.

Before leaving your home country you should select any preferences such as call barring or call diverting. Note that you will be charged for calls forwarded to you whilst roaming.

When dialling you will need to add the international access codes when required, so storing all numbers with the codes (such as +44 for the UK) is helpful (see page 9).

Set automatic or manual network selection

- With the standby screen displayed, press **MENU** **8 6**. The automatic/manual menu will be displayed.
- Press **1** to select automatic network selection or **2** to set manual selection. A confirmation screen will be displayed momentarily and then the standby screen will be displayed.

View/edit network list

Before editing your network list, please consult with your service provider.

- With the standby screen displayed, press **MENU** **8 6 3**.
- Use the **▲** or **MENU** key as appropriate until the required network is displayed.
- Press the **✓** key.
- Press the appropriate key to select the required action (see table right).

*When your phone is set to manual mode, you will have to wait while the phone is searching for networks. If several network options are found, use the **▲** or **MENU** key to scroll through the list.*

Before you manually select a network, ensure it is covered under the agreement you have with your service provider.


Action	No.
Select	1
Delete	2
Edit code	3

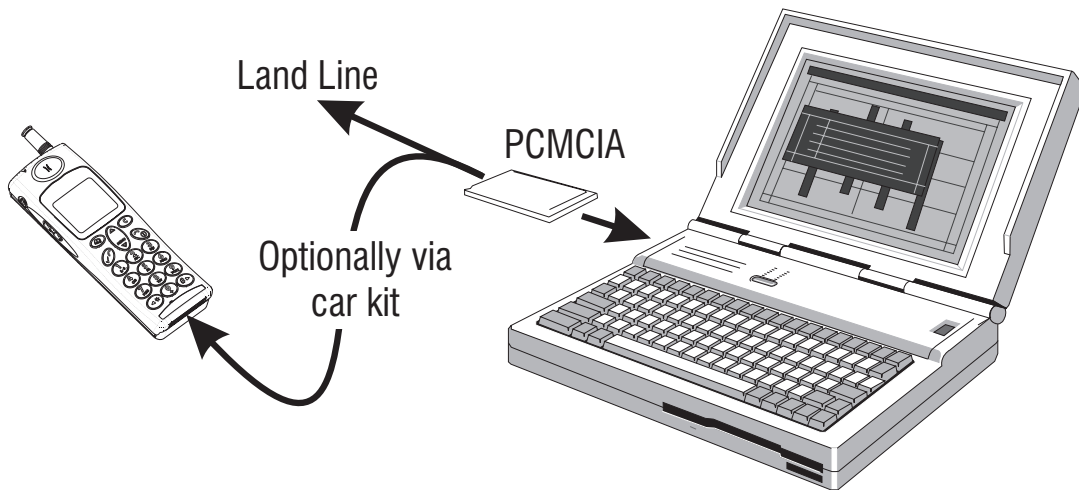
*If you select a network to be added to your network list (option 1) but the list is full, you will have to use the **▲** or **MENU** key to select the network to be replaced and then press the **✓** key.*

Using your phone with a laptop computer

You can use your phone with a laptop computer and a suitable PCMCIA modem to make both FAX and data transmissions. Connect the laptop, modem and your phone as shown below. Consult your IT department or the relevant software documentation to set-up and carry out the following:

- Your computer has the correct driver for your modem
- The laptop has the relevant fax and data applications loaded
- The fax transmission print screen points to the fax driver and not a printer
- Make a fax and a data transmission using a standard land line
- When both types of transmission have been successful, connect your phone to the output of the modem, turn the phone on and with the standby screen displayed, use your computer to send either a fax or data
- When a fax is sent, the number being called will be displayed on the 2nd line of the phone's LCD display. The top line will display **Fax** then **Calling . . .** then **Connected** alternating with **Fax call**. When the transmission is complete, the phone's screen will return to standby.
- When data is sent, the number being called will be displayed on the 2nd line of the phone's LCD display. The top line will display **Data** then **Calling . . .** then **Connected** alternating with **Data call**. When the transmission is complete, the phone's screen will return to standby.

 You can set your phone's ringer style so you can distinguish between incoming speech, FAX and data calls (see page 19).





Caring for batteries

Checking the battery 13

Low battery alarm 13

Changing the battery 13

Charging a battery 13

Checking the battery

- ☛ Check icon at the bottom of the screen

The blocks on the display show the charge of your battery pack.



Full battery power



Low battery power

When the battery approaches the end of its useful charge and needs charging, the LED, when illuminated, will show red.

Low battery alarm

When the battery voltage falls below the working level, **Recharge Battery** is displayed on screen along with a flashing empty battery icon and a warning tone. The LED flashes slowly (three flashes) and the phone will automatically power down shortly afterwards.

Changing the battery

Make sure the phone is switched off. Some settings may be lost if the battery is removed while the power is on.

- ☛ Press the catch at the top of the phone ① and slide the battery downwards ②.
- ☛ Place the new battery pack into the slot ③ and slide into place ④.

Charging a battery

The charger unit begins to restore the battery power when it is connected to the phone. Charging takes about one and a half hours with a standard battery.

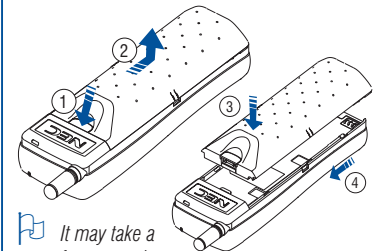
- ☛ Connect the charger plug into the connector at the base of the phone. Check the indicator at the top of the phone shows red while the battery is charging and the battery icon is pulsing.

When charging is complete, the indicator shows green and trickle charging continues. During charging the battery icon pulses and shows as a solid block when charging is complete. This is also shown when the phone is switched off.

If you need to receive calls, the cellphone can be switched on and left in standby while it is charging, although the total time taken to charge is then increased.

The cellphone is designed to be charged with the NEC equipment listed with the specifications of your phone.

☛ To cancel the battery alarm, press any key except . The low battery alarm will repeat until the phone automatically switches off.



☛ It may take a few seconds for the indication to start.

☛ Using the wrong type of charger can be dangerous and may invalidate any warranty and approval given to the cellphone. Do not connect more than one charger at any time.





Selecting features

This section describes how you select and alter the features provided by your phone and the network it is connected to.

Selection overview

15

Menu selection

15

Fastkey selection

15



Menu selection

When using the menu method to select a feature, you just need to scroll through the options on screen and confirm your choice with the key which is also the 'send' key.

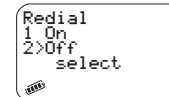
A at the base of the options indicates there are more to choose from. Use the or keys to scroll through the menu options.

The choice of options available depends on whether the phone is on a call or in standby.

The currently selected option is normally marked by a whilst the flashing option will be selected if you press the key.



Menu with extra options



Redial Off current option

Fastkey selection

The alternative 'fastkey' method of selection lets you jump straight to a menu or function without scrolling through the intermediate menu options. The selections are made by pressing numbers on the keypad which relate to the displayed menus. This means the required option does not have to be on the screen to be selected.

If you lose track or make a mistake, just press **C** to return to the previous menu. If you keep pressing **C** you will return to the standby display.

Fastkey selection example

Using the fastkey selection method, setting the Auto answer facility on or off can be carried out as follows:

Press **8 2**. The auto answer on/off menu will be displayed. The currently selected option will have a next to it.

Press **1** to set auto answer to on or **2** to set auto answer to off. The appropriate auto answer confirmation screen will be displayed momentarily and then the standby screen will be displayed.

At the start of the section which contains the auto answer facility procedure (page 16) an abbreviated form of the fastkey method will be shown as follows:

The instructions in this user guide usually make use of the fastkey method and, where applicable, the fastkey selection for a function is shown at the beginning of each section.

Auto answer

8 2

20



Setting up your phone

<i>Clock/alarm set</i>	MENU 6	17
<i>Ringer volume</i>	MENU 7 3	19
<i>Ringer style</i>	MENU 7 4	19
<i>Silent mode</i>	MENU 7 1	19
<i>Vibration alert (option)</i>	MENU 7 6	19
<i>Send tones</i>	MENU 7 5	20
<i>Answer key</i>	MENU 8 3	20
<i>Auto answer</i>	MENU 8 2	20
<i>Auto redial</i>	MENU 8 4	21
<i>Call timer/Advice of Charge (AoC)</i>	MENU 5	21/23
<i>Language setting</i>	MENU 8 7	24
<i>Greeting message</i>	MENU 8 8	24



Clock/alarm set

Clock set

Your phone has the ability to store the time and date. This information is displayed, in 12 or 24 hour format (see page 17), on the standby screen and can be used to trigger an alarm (see page 18 for alarm set-up). To set the time and date, proceed as follows:

Press **MENU** **6 1**. The clock set screen will be displayed.

When the clock set screen is entered, the first hour digit can be altered by pressing either the **▲** or **MENU** key. Alternatively, the required digit on the keypad can be pressed. If the digit does not need to be altered, press the **#** key so the second hour digit can be altered.

Alter the digit if necessary, and then use the ***** or **#** key as appropriate to move to the next value to be altered.

The following values can *ONLY* be altered by pressing either the **▲** or **MENU** key.

- *am/pm indicator (where applicable)*
- *Month name*
- *Year*

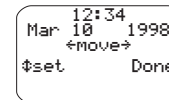
When you have set the clock to the required time and date, press the **✓** key. The clock set message will be displayed momentarily and then the standby screen will be displayed.

12/24 hour set

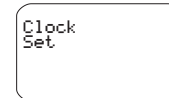
To set the phone's clock display to either 12 or 24 hour format, proceed as follows:

Press **MENU** **6 3**. The 12/24 hour menu screen will be displayed. The currently selected option will have a **>** next to it.

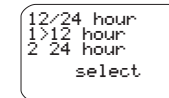
Press **1** for 12 hour or **2** for 24 hour. The appropriate confirmation screen will then be displayed momentarily before the standby screen is displayed.



Clock set screen



Clock set message



12/24 hour selection screen



Alarm function

Your phone can be used as an alarm so it can alert you at a preset time. If the alarm is set, it will be triggered in all the following circumstances:

- When the phone is on and in standby
- During a call
- When the phone is ringing
- When the phone is powered off
- When the phone is charging

When the alarm is triggered, a tone will sound, the backlight will flash and the alarm screen will be displayed.



If the phone is ringing or the ringer is set to off (see page 19), the alarm tone will not sound but the alarm screen will be displayed.

Setting the alarm on

Press **MENU** **6 2**. The alarm set/off menu will be displayed. The currently selected option will have a >next to it.

Press **1**. The alarm set menu will be displayed.

If you wish to set the alarm to go off at the time currently displayed, press the key. The alarm set message will be displayed momentarily and then the standby screen will be displayed.

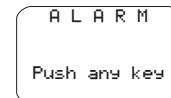
If you wish to alter the time, the first hour digit can be altered by pressing either the or **MENU** key. Alternatively, the required digit on the keypad can be pressed. If the digit does not need to be altered, press the **#** key so the second hour digit can be altered.

Alter the digit if necessary, and then use the or key as appropriate to move to the next value to be altered.

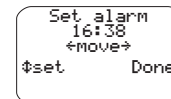
When you have set the clock to the required time and date, press the key. The alarm set message will be displayed momentarily and then the standby screen will be displayed.

Setting the alarm off

Press **MENU** **6 2 2**. The alarm off message will be displayed momentarily and then the standby screen will be displayed.



Alarm triggered screen



Alarm set screen



*When the alarm has been set, the time on the standby screen will be displayed with a bell icon as follows: **13:45**.*

Ringer volume

- Press **MENU** **7 3**. The ringer volume display will be shown on the screen.
- Press the volume keys on the side of the phone to adjust the setting as required. A sample of the setting will be heard whenever a setting is changed.
- Press the **✓** key to select the current setting.

The ringer volume can be changed with the volume keys when your phone is alerting you to an incoming call.

Ringer style

- Press **MENU** **7 4**.
- Then press the appropriate key for the calls to be viewed (see table right).
- Use the **▲** or **MENU** key to scroll through the styles. As each style is indicated on the display, a sample ring will be given.
- When the required ringer style is heard, press the **✓** key. The ring style alert confirmation screen will be momentarily displayed and then the standby screen will be displayed.

Silent mode

- Press **MENU** **7 1**. Press **1** to turn the ringer off or **2** to turn it on. The silent on/off confirmation screen will be displayed momentarily and then the standby screen will be displayed containing the words **Ringer off**.

Vibration alert (option)

- Press **MENU** **7 5**. Press **1** to turn the vibration alert on or **2** to turn it off. The vibrator on/off confirmation screen will be displayed momentarily and then the standby screen will be displayed.



*If you set the ringer volume to zero, **Ringer off** will be displayed.*

Ringer style	No.
Speech	1
Data	2
FAX	3



You can also associate a ringer style with incoming calls from a number stored in your personal directory (see page 33).



Silent mode & vibration alert

To turn the silent mode and vibration alert on or off together, proceed as follows:

- Press **MENU** **7 2**. Press **1** to turn the silent mode and vibration alert on or **2** to turn them off. The silent and vibrator on/off confirmation screen will be displayed momentarily and then the standby screen will be displayed.

Send tones

If you need to send DTMF tones during a call (e.g. to select options on an automated phone answering service), proceed as follows:

- Press **MENU** **7 5**. Press **1** to turn the tones on or **2** to turn them off. The tones on/off confirmation screen will be displayed momentarily and then the standby screen will be displayed.

Answer key

Your phone will connect to an incoming call by pressing any key (except the key) or by pressing the key only. To set up how you want to answer incoming calls, proceed as follows:

- Press **MENU** **8 3**. Press **1** for any key to answer or **2** for only the key to answer. The answer key confirmation menu will be displayed momentarily and then the standby screen will be displayed.

Auto answer

- Press **MENU** **8 2**. Press **1** to set auto answer to on or **2** to set it to off. The auto answer on/off confirmation screen will be displayed momentarily and then the standby screen will be displayed.

The auto answer facility will cause an incoming call to be connected automatically only if you are using your phone as a car phone or with the simple hands free kit.



Auto redial

With this facility on, your phone will try up to 10 times to redial a number if the first attempt fails. The intervals between each redial will get longer after each attempt. A tone will be heard at each redial attempt. The failure to connect a call can be due to network problems or if the other phone is busy. Pressing any key during a redial attempt will abort it. To set redial on or off, proceed as follows:

Press **8 4**. Press **1** to turn auto redial on or **2** to turn it off.

Call timer

View calls

Press **5 1**. Then press the appropriate key for the calls to be viewed (see table right).

Use the and keys to scroll through the information.

Press the **C** key to return to the view calls menu or press and hold it down to return to standby.

Last call

The last call screen will display the duration of the last call made on your phone.

All calls

The all calls screen will display the duration of all calls made from your phone since the last time the call timer was reset and also the split between calls made on your 'home' network and those made whilst roaming.

Outgoing

The outgoing calls screen will show the total time duration of all outgoing calls and also the split between calls made on your 'home' network and those made whilst roaming.

Incoming

The incoming calls screen will show the total time duration of all incoming calls and also the split between calls received via your 'home' network and those received whilst roaming.

It is recommended that you do not use the auto answer facility if you have the ringer volume set to off or your phone is set to the silent mode (see page 19).

You cannot reject calls if you have auto answer set to on.

The auto redial attempt tone will still be heard even if the phone is set to the silent mode (see page 19).

The Call Timer function will only be displayed if your network or SIM card does not support AoC.

View type	No.
Last call	1
All calls	2
Outgoing	3
Incoming	4



Show timer

This facility enables you to view the total time duration for all calls or for outgoing calls. This information can be viewed from a menu or on the phone's display during a call. To set-up the show timer to your requirements, proceed as follows:

- Press **MENU** **5 2**. The show timer menu will be displayed.
- Press **1** to select the display menu (to select where information will be displayed) or **2** to select the timer format menu (to select which information will be displayed).

Display menu

- With the display menu selected, press **1** to display the timer during a call and in the menu or **2** to select menu only display .
- Press the **C** key to return to the show timer menu or press and hold down the **C** key to return to standby.

Format menu

- With the format menu selected, press the appropriate key to select the required call types (see table right).
- Press the **C** key to return to the show timer menu or press and hold down the **C** key to return to standby.

Reset

This facility allows you to reset the accumulated call times and restart the timer from zero. To reset the timer, proceed as follows:

- Press **MENU** **5 3**. A screen will be displayed to allow you to confirm or abort the reset.
- Press the key to reset the timer or **C** to return to the call timer menu.
- If you confirmed the reset, a confirmation screen will be displayed momentarily and then the standby screen will be displayed.

Call types	No.
Current	1
Outgoing	2
Total	3



Advice of Charge (AoC)

The AoC feature enables you to view the time and cost of calls; the cost can be displayed in either units or currency. You can also set a limit (in either units or currency) so your phone cannot be used once the limit is reached .

View calls

- Press Press **5 1**. The view calls menu will be displayed.
- Press the appropriate key to select the view type required (see table right) and use the key if necessary to view the contents of the screen.
- Press **C** when you have viewed the screen. Either make another selection from the view calls menu or press and hold down the **C** key to return to the standby screen.

Show timer

The following table shows the key strokes necessary for the AoC show timer facility:

AoC display location			
AoC display location	View calls menu only	5 2	1 2
	In-call display screen & view calls menu		1 1
AoC format information	Time display = current call time	5 2 2	1 1
	Time display = total call time		1 3
	Time display = outgoing call time		1 2
	Cost display = total cost since last reset (no limit set)		3
	Cost display = total cost since last reset (limit set)		3 1
	Cost display = balance until limit reached		3 2
	Unit display = total units since last reset (no limit set)		2
	Unit display = total units since last reset (limit set)		2 1
	Unit display = balance until limit reached		2 2
	Resetting the meter		Reset call timer
Reset call meter		2	
Reset both call timer & meter		3	



The AoC facility is network dependant.

View type	No.
Last call	1
All calls	2
Outgoing	3
Incoming	4
Limits	5



When resetting the meter you may be requested to enter your PIN 2 code.



Set the call limit

- Press **MENU** **5 3 2**. Key in your PIN 2 code and press if required. The call limit screen will be displayed.
- Key in the call limit value and press the key.

Set no limit

- Press **MENU** **5 3 3**. Key in your PIN 2 code and press if required.

Set currency

- Press **MENU** **5 4**. Key in your PIN 2 code and press if required.
- Use the text entry procedures (see page 35) to enter the currency type, using a maximum of three characters.
- Press the key. The charge rate screen will be displayed.
- Enter the charge rate and press the key. If you enter a value which cannot be stored, you will be offered an alternative. Press to confirm the alternative.

Greeting message

- Press **MENU** **8 8**.
- Enter the text you require for your message (see page 35 for the text entry procedure). Press the key to store the text and return to standby.

Language setting

Your phone can display all its menus and other information in a number of languages. To set the required language, proceed as follows:

- Press **MENU** **8 7**. The language menu will be displayed. The currently selected option will have a **>** next to it.
- Use the **▲** or **MENU** key until the required language is displayed and then press the key.




The Automatic option (if available) sets your phone's display language to that dictated by the SIM card present.



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Storing & retrieving numbers

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Telephone directories (phonebooks)

Your phone can have up to 3 phonebooks stored on your SIM card:

- Personal directory (ADN)
- Fixed dialling numbers (FDN)
- Service dialling numbers (SDN)

Personal directory (ADN)

These numbers are known as abbreviated dialling numbers (hence ADN) and up to 255 (depending on your SIM card capacity) can be stored along with a name. Up to 20 of these can be stored with their own ring style. These numbers form your personal phonebook and can be viewed, altered and called whenever you wish.

Fixed dialling numbers (FDN)

Fixed dialling numbers are a means of limiting which numbers can be called from your phone. With the FDN feature switched on (see page 33), only numbers you have stored in this phonebook and the emergency number can be called from your phone.



Service dialling numbers (SDN)


The numbers stored in the SDN phonebook are supplied ready installed by your service provider. They will call numbers and services as agreed with your supplier (e.g. customer enquiries, billing information, sportslines, weatherlines, etc.) and cannot be edited by you. You will not be able to see the number which will be dialled, only the associated text title.


Scratchpad number


Your phone has a scratchpad facility that enables you to take down a telephone number during a call and then make a call to it when you have finished. This scratchpad number can be stored in memory for future use.

Noting & calling a scratchpad number

- ☞ During a call, key in the number to be placed in the scratchpad. It will be shown on your phone's screen.
- ☞ Press the  key when the call is finished. The number will still be displayed.
- ☞ Press the  key. The number displayed will be called.






 *The procedures for storing, calling, altering and deleting these numbers are detailed from page 30 onwards.*

 *Although FDN is supported by your phone, it must be present on your SIM - check with your service provider.*

 *Although SDN is supported by your phone, it must be present on your SIM - check with your service provider.*



Storing a scratchpad number

- ☞ With the scratchpad still displayed, press the  key. Your personal directory will be displayed.
- ☞ Press the  key. The text entry screen will then be displayed.
- ☞ Key in a name associated with the number (see page 35 for the text entry procedure).
- ☞ Press the  key to confirm you have completed the text entry.
- ☞ To store the number in the next available location, press the  key. To store the number in a specific location, key in the location number required and then press the  key.

Redial numbers - viewing/calling






The last 10 phone numbers of calls made on your phone are stored as redial numbers. These numbers can be viewed and called as follows:

Viewing redial numbers

The following information can be viewed:

- The call's position in the list (1-10)
- The name associated with the number if it is stored in memory or, if it is not stored, the number itself
- The date and time of the last call attempt to this number
- The number of times this number has been called
- Total cost of calls to this number (AoC only - see page 23)
- Total time duration of calls to this number

To view information on redial numbers, proceed as follows:

- ☞ Press  2 3.
- ☞ Use the  or  keys as appropriate to scroll through the information. Use the  or  key to go to the next or previous number as appropriate.



The information which can be viewed is dependant on the services provided by your network and your phone's settings.



Fast redial

To access the redial list quickly, proceed as follows:

- Press the key.
- Use the or key to scroll through the list until the required number is displayed.
- Press the key. The number will be called.

Redial from the viewing list

To call a redial number from the viewing list, proceed as follows:

- Press **2 3**.
- Use the or key as appropriate to scroll through the redial numbers.
- When the number (or name) you wish to call is displayed, press the key so the number or name is flashing.
- Press the key. The call will be made.

Answered & Unanswered calls - viewing/calling

To view information on answered and unanswered calls, proceed as follows:

- Press **2**. Press **1** to select unanswered calls or **2** to select answered calls.
- Use the or keys as appropriate to scroll through the information. Use the or key to go to the next or previous number as appropriate.
- To call the number displayed, press the key so the number or name is flashing.
- Press the key. The call will be made.



To redial the last number you called, press the key twice.



To store a redial number from the viewing list, see page 30.



To clear the redial list, see page 30.



If you missed calls while you were away from your phone but it was switched on, the screen will display the number of missed calls (unless it was just once and then it will display the word **CALLED**) and allow you to view the unanswered call list by pressing the key.



To store an answered or unanswered call number from the viewing list, see page 30.



To clear the answered and unanswered call list, see page 30.



Clearing call lists

This facility clears the Redial, Answered and Unanswered call lists simultaneously.

IF YOU WANT TO: Clear the call lists now
 Press **2 4 2**.

IF YOU WANT TO: Automatically clear the call lists when you switch off your phone
 Press **2 4 1 1**.

IF YOU WANT TO: Turn the automatic clear call list function off
 Press **2 4 1 2**.

Storing numbers & names (ADN & FDN)

You can store a telephone number in a directory when it is displayed in any of the following screens:

- Standby screen
- Redial, Answered & Unanswered viewing logs
- Flash or text messages (see page 49 for details of these messages)

If the standby screen has no number in it, key in the number to be stored.

With a telephone number displayed in one of the above screens, press the keys. You will be prompted to enter a name.

Key in the name you wish to associate with the phone number (see page 35 for text entry details) and press the key. The memory location screen will now be displayed.

Press the key once for the personal directory or twice for the FDN directory. If you select the FDN directory you will have to enter your PIN 1 or PIN 2 code to continue (for security code details, see page 39).

To store the number in the next available location, press the key. Either enter another number to be stored, or press the **C** key to return to standby.

To store the number in a specific location, key in the location number required and then press the key. If the location is already in use, you will be prompted to press the key to confirm the replacement. Either enter another number to be stored, or press the **C** key to return to standby.

If you turn your phone off by removing its battery, the call lists will not be cleared automatically, even if auto clear is set to on.

It is best to store numbers using the international number format (see page 9).

When the personal directory is displayed, the word **Location** will be at the top of the screen. When the FDN directory is displayed, the word **Fixed** will be shown. When the SDN directory is displayed, the word **Service** will be shown.

ADN and FDN numbers can be stored with ?'s instead of some digits. They are treated as wildcards and allow several similar numbers to be stored in the same location.

If one touch dialling is set to on (see page 33), the first 9 locations in your personal directory will be your one touch numbers.



Calling stored numbers

The phone numbers in your personal phonebook can be located and then called using one of the following methods:

Scrolling or specific location

To scroll through you personal directory in alphabetical order or select a location, proceed as follows:

- Press the key. The first directory entry (sorted alphabetically) will be displayed.
- Either use the and down keys as appropriate to scroll through your directory or key in the location number.
- When the required name and number is displayed, press the key. The number will be called.

Fastdialling

If the fastdial facility has been turned on (see page 33) up to the first 99 personal phonebook locations can be called as follows:

- Key in the required location number and press the key. The number at that location will be called.

One touch dialling

If the one touch facility has been turned on (see page 33), the first nine locations in your personal directory can be called as follows:

- Press and hold down the number of the required location (**1 to 9**). The number at that location in your directory will be called.

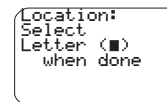
Searching

To search for a phone number in your personal directory alphabetically, proceed as follows:

- Press and hold down the key until the search screen is displayed.
- Enter the first letter (using small or capital letters as appropriate) of the name associated with the phone number you wish to call then press the key. The first location with a name starting with the letter entered will be displayed.
- Use the key to scroll down the list alphabetically if necessary.
- When the required name and number is displayed, press the key. The call will be made.

If the FDN function has been set to on (see page 33), only numbers in the FDN directory can be called.

To call numbers in the SDN directory, press the key until the SDN directory is displayed and then use either the scrolling or searching method to locate and call the number.



Search screen





If the entered letter is in lower case, hold down the key until it becomes upper case or vice versa as appropriate.



Altering stored numbers




Altering numbers and names

To alter the number and/or name of a directory location, proceed as follows:


- Press the  key once to select your personal directory or twice to select the fixed directory.
- Either scroll or search (see page 31) to display the location to be altered.
- Press and hold down the  key so the directory alteration menu is displayed.
- Press **1** to select the edit mode. You will be prompted to make alterations to the number. Use the **C** key to delete the required digits and then key in the new digits.
- Press the  key when the changes (if any) are complete. The name alteration screen will be displayed.
- Use the text entry procedures on page 35 to change the name, if required, and then press the  key. The location selection screen will be displayed. Either select the original location or store the altered information to a new location.


Delete entry


To delete the entry at a specific location, proceed as follows:

- Press the  key once to select your personal directory or twice to select the fixed directory.
- Either scroll (see page 31) or search (see page 31) to display the location to be altered.
- Press and hold down the  key so the directory alteration menu is displayed.
- Press **2** to select the delete mode.
- Press the  key to delete the contents of the memory location or the **C** key to return to the directory alteration menu. If you choose to delete the number, a confirmation screen will be displayed momentarily and then the standby screen will be displayed.

 If you just wish to edit a number, see page 37.

 If you were in the fixed directory, you will be prompted to enter your PIN 1 or PIN 2 code (for security code details, see page 39).

 To delete the number completely, press and hold down the **C** key. For more information on editing phone numbers, see page 37.

 If you were in the fixed directory, you will be prompted to enter your PIN 1 or PIN 2 code (for security code details, see page 39).



Allocate a ringer style (personal directory only)

When you allocate a ringer style to a memory location, whenever you are called by that number your phone will use the selected ringer style. To allocate a ringer style to a memory location, proceed as follows:

- 1 Press the key once to select your personal directory.
- 2 Either scroll or search (see page 31) to display the location to be altered.
- 3 Press and hold down the key so the directory alteration menu is displayed.
- 4 Press **3**. The ringer style option screen will be displayed.
- 5 Use the or key as appropriate to scroll through the ringer styles. Each time a style number is displayed, an example of the style will be heard.
- 6 Press the key to select the required style.

Fastdial setting

- 1 Press **8 1 2**. The fastdial menu will be displayed.
- 2 Press the appropriate key (from the table right) to set the function off or select the number of fastdial numbers available (1 to 9 or 1 to 99).

One touch dial setting

- 1 Press **8 1 4**. The one touch dialling on/off menu will be displayed.
- 2 Press **1** to turn one touch dialling on or **2** to turn it off.

FDN setting

- 1 Press **8 1 5**. The FDN on/off menu will be displayed.
- 2 Press **1** to turn FDN on or **2** to turn it off.



If the caller has set his/her phone not to send their phone number when they make a call, this facility will not work.

Setting	No.
Off	1
1 to 9	2
1 to 99	3



The FDN facility is network dependant.



You may be requested to enter your PIN 1 or PIN 2 code to change the FDN setting.



Text entry & number editing

This section describes how you enter text (letters, numbers and symbols), your own phone numbers and modify phone numbers when required.

<i>Text entry</i>	35
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<i>Own phone number entry</i>	35
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<i>Phone number editing</i>	37
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Text entry

Whenever you need to enter text (for short messages, storing names with numbers, etc.), successive presses of a number key will display different characters as shown in the table below. Holding the key down changes from upper case mode to lower case mode. For phone number editing facilities, see page 37.

Digit	Upper case mode	Lower case mode	Digit	Upper case mode	Lower case mode
1	& - # . 1 , ? ! @ ' ()	: ; . 1 , ? ! " ' : i \$	6	M N O 6 Ñ Ö Ø	m n o 6 ñ ö ø ø
2	A B C 2 Ä Å Æ Ç	a b c 2 ä å æ ç	7	P Q R S 7 Π Θ Σ	p q r s 7 β
3	D E F 3 Δ É Φ	d e f 3 è é	8	T U V 8 Û	t u v 8 ü ù
4	G H I 4 Γ	g h i 4 i	9	W X Y Z 9 Ω Ξ Ψ	w x y z 9
5	J K L 5 ^	j k l 5	0	0 <space> + - * / = % £ \$	0 <space> + - * / = % ¥ ¤

 When the character you require is displayed, press the **#** key to move to the next character (if you wait for more than 1 second, the cursor will move one character to the right automatically). You can also use this key to create a space.












 If you make a mistake, use the ***** or **#** key to make the character to the right of the incorrect character flash (if there is no character to the right of the incorrect character, a flashing block will be displayed) then press the **C** key.

Own phone number entry

Because your phone is capable of receiving not only voice but also FAX and data calls, and with the advent of advanced network facilities (e.g. Call divert), you may wish to store and subsequently edit more than one phone number in the own number list.

Own number facilities

Add an own phone number (with none present)

-  Press  **#** . The first own number space in the list will be displayed.
-  Press the  key. Key in the required number and press the  key.
-  Key in the text associated with the number and press the  key.
-  Use either the  or  key to select the required location and then press .

 **The amount of own number storage locations is SIM dependant.**

 **Whether associated text is allowable is SIM dependant.**



















View own phone numbers

Press   . Use the  and  keys to scroll through your numbers.

Edit an own phone number

To edit a phone number in the own number list, proceed as follows:

-  With the standby screen displayed or in a call, press   . The first own number in the list will be displayed.
-  Press the  or  key until the number to be edited is displayed and press  **1**.
-  Use the **C** key to delete individual numbers, key in the numbers required and then press the  key.
-  Key in the text associated with the number and press the  key. A suitable confirmation message will be shown and the display will show the name and number entered.
-  Press the  key to overwrite or use the  or  key to select the required location and then press .

Delete an own phone number

To edit a phone number in the own number list, proceed as follows:

-  With the standby screen displayed or in a call, press   **2**. The first own number in the list will be displayed.
-  Press the  or  key until the number to be deleted is displayed and press  **2**  to delete.



Whether associated text is allowable is SIM dependant.





Phone number editing

Your phone enables you to edit phone numbers in the following circumstances:

- When a number is displayed whilst in standby
- When a scratchpad number is displayed whilst in a call
- When short message destination number is displayed
- When your short message service centre number is displayed
- When a number is displayed whilst in any of the phonebooks (ADN or FDN)
- During the storage of an own phone number
- During the entry of a divert-to number

Editing

In the editing mode, press the  key to move the cursor to the left and the  key to move it to the right. A short press of **C** will delete the number to the left of the cursor, a long press will delete the entire number. When a number key is pressed, it will be inserted to the left of the cursor.

Entering special characters

Entering a + symbol (for international numbers, see page 9)



Before you can enter a + symbol in a number, the cursor must either be at the beginning of a number. To enter a + symbol, press and hold down the **0** key for about a second.

Entering a pause (for DTMF dialling)

If you want to enter a pause in a number, make sure the conditions in **Entering a + symbol** above do not apply first and then press and hold the **0** key down for about a second.

Entering wildcards in a number (for 'wildcards' within FDN numbers)

If you wish to enter a wildcard in a number (signified by a ?), press and hold down the **0** key for much longer than a second.

With a stored number displayed, pressing **and holding** the  key will cause the number to be displayed in the idle screen. Edit the number as required and then press the  key to send the new number.



Entering wildcard numbers in this way only works under certain conditions, e.g. whilst in the phonebook.



Security

The facilities outlined in this section enable you to protect your phone from improper and unauthorised use.

Key lock	MENU ▼	0	39
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Dial lock	MENU ▼	*	40
Changing security codes	MENU ▼	8 5	40
SIM lock			41
Call barring	MENU ▼	4 1	41



Key lock

This simple lock is not strictly a security feature but is provided to prevent accidental pressing of keys during transit (for example in a pocket or handbag).

Setting the key lock on or off

Press **0**.

With the key lock on, the word **Locked** will alternate with the time and signal strength indications.

Security codes

There are five security codes you may be required to enter when prompted by the phone to do so:

- PIN 1 code (provided by your Network to protect your SIM card if it is stolen)
- Dial lock code (provided by your Network for call protection)
- PIN 2 code (provided by your Network for AoC and FDN services protection)
- SIM lock code (phone theft protection - your phone will only work with one SIM card)
- PUK code (personal unblocking key in case you forget PIN 1 code)

When the phone prompts you for any of the above codes, use the keypad to enter the appropriate number and press the key.

PIN 1 code

Your phone can be set up so it needs your PIN 1 code entered at power up before the phone can be used at all. If the PIN 1 code is not entered, not even incoming calls can be answered. If you enter your PIN 1 code incorrectly more than three times (not necessarily in the same session) not even the correct PIN 1 code will work and you will have to contact your service provider for a PUK code to unblock your SIM card.

Press **8 5 1**. The PIN 1 code entry on/off menu will be displayed.

Press **1** to turn PIN 1 code entry on and **2** to turn it off. You will be prompted to enter your PIN 1 number to confirm the change.

When a call comes in, the key lock is temporarily cancelled so that you can press any key to answer the call.

It is still possible to make emergency calls using '**112**' while the key lock is on.

If you forget any of these codes, contact your service provider.

The PIN 2 code is SIM card related.

Some SIM cards are set up so that a PIN 1 number entry cannot be turned off.

To change your PIN 1 code, see page 40.



Dial lock

With the dial lock on, your phone can receive incoming calls and make emergency calls but cannot be used to make any conventional calls. All directories and call lists are blocked and cannot be accessed. This is a useful facility if you leave your phone with someone you need to contact from another phone.

Set dial lock on

- Press . A screen prompting you to enter your dial lock code will be displayed.
- Key in your dial lock code. A 'dial lock on' confirmation screen will be displayed momentarily and then the standby screen will be displayed. Whilst the dial lock is on, the message **Phone Locked** will be displayed.

Set dial lock off

- Press the key and enter your dial lock code.

Changing security codes

The following security codes can be changed:

- PIN 1 code
- PIN 2 code (this option may not be included on your SIM)
- Dial lock code

To change any of the above codes, proceed as follows:

- Press the key.
- Press **8**.
- Press **5**. The security code menu will be displayed.
- Press the appropriate key for the required code (see table right).
- Key in the current code. You will be prompted to enter the new code and then to enter it again as confirmation. A 'password accepted' confirmation screen will be displayed momentarily and then the standby screen will be displayed.

To change the dial lock code, see below.

The SIM lock code is not network provided (see page 40).

Code	No.
PIN 1	2
PIN 2	3
Dial lock	4

Menu option 2 (PIN 1) will not be displayed if the PIN 1 code request is set to off (see page 39).

Menu option 3 (PIN 2) is SIM and network dependant.



SIM lock

The SIM lock prevents your phone from being used with another SIM card. This makes it less useful if stolen.

Set the SIM lock on

👉 Devise your own 8 digit SIM lock code (nothing too obvious but easy to remember).

👉 Press *4960* and key in your 8 digit code.

👉 Press *, key your code in again to confirm and then press # ✓

Set the SIM lock off

👉 Press #4960*, key in your 8 digit code and then press # ✓

📖 The SIM lock does not prevent your SIM card being used with your phone or any other phone.

📖 The SIM lock code is not provided by your network and can be changed each time you apply the SIM lock.

Call barring


This facility allows you to restrict the type of calls made or received on your phone as shown in the following table:

Barring calls	All outgoing calls	MENU 4 1	1 1
	All outgoing international calls		1 2
	All outgoing international calls except those to home network		1 3
	All incoming calls		2 1
	Incoming calls whilst roaming		2 2
Cancelling barred call settings	Outgoing barred call settings	MENU 4 2	1
	Incoming barred call settings		2
	All barred call settings		3
Checking barred call status	Outgoing barred calls	MENU 4 3	1
	Incoming barred calls		2
	All barred calls		3

👉 Call barring facilities (barring, cancelling barring and checking barring) are network services and may require a password.



Changing the call barring password

- ☞ Press  4 4 and enter your current password.
- ☞ Key in the new password.
- ☞ Key it in again to confirm it. A confirmation screen will be displayed momentarily and then the standby screen will be displayed.



Call barring facilities (barring, cancelling barring and checking barring) are network services and may require a password.



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Diverting & handling incoming calls

The facilities outlined in this section enable you to divert your incoming calls to other numbers under various conditions.

Diverting calls

45

Call waiting & holding

46



Diverting calls

The call divert facility enables you to divert incoming calls by type (e.g. Speech, FAX, data) to a number of your choosing as follows:

If you want to:	Press the keys in the sequence shown below				
Divert speech calls	MENU 3 1	1	Select Divert condition (see Divert Condition table right)	Enter telephone number to divert to	
Divert FAX calls		2			
Divert DATA calls		3			
Cancel divert - speech	MENU 3 2	1	Select Cancel condition (see Cancel Condition table right)		
Cancel divert - FAX		2			
Cancel divert - DATA		3			
Check call divert status	MENU 3 3				
Automatic status check - on	MENU 3 4	1			
Automatic status check - off		2			



If the automatic status check is set to on, allow for a short delay whilst the network responds. There may be an additional charge for this service depending on your network.



You will pay for the diverted part of the call.



When any of the diversion conditions are set, the icon will be displayed at the base of the phone's screen.

Divert Condition	No.
All calls	1
No reply	2
Busy	3
Power off	4



If you decline an incoming call with 'divert when busy' set, the caller will be diverted to the number selected.

Cancel Condition	No.
All calls	1
No reply	2
Busy	3
Power off	4
All	5



Call waiting & holding

The following table shows the key strokes necessary to set up and use the call waiting and holding facility:

Setting up call waiting	Check current status		
	Set call waiting on	MENU 8 1 1	1
	Set call waiting off		2
Using call waiting & call holding	Put a single call on hold	↵	
	Make call on hold active	↵	
	Swap the active call for a call on hold	↵	
	Answer a new call and place the active call on hold	MENU 1	
	Answer a new call with a call on hold	MENU 1	
	Reject a new call during an active call or with a call on hold	MENU 2	
	Speak to the call on hold before answering a new call	MENU 3	
	Terminate an active call and make a call on hold active	MENU 4	



Messages & voice mail

The facilities outlined in this section enable you to send and receive Short Messages (SMS) if your network supports this.

<i>Short messages overview</i>		49
<i>Viewing messages</i>	<small>MENU</small>	49
<i>Edit/send menu</i>		50
<i>Creating a short message</i>	<small>MENU</small> 2	51
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<i>Message options</i>	<small>MENU</small> 4	52
<i>Area messages (cell broadcast)</i>	<small>MENU</small> 5	53
<i>Voice mail</i>	<small>MENU</small> 9	55



Short messages overview

Your phone is capable of sending and receiving short text messages. The short message service (SMS), if supported by your network, provides the following facilities:

Flash messages

Flash messages, or 'on screen' messages, can contain up to 160 text characters and are displayed on your phone's screen immediately they are received. If a flash message contains a phone number, the number can be called or stored as if you had keyed it in yourself. Your phone will store up to 3 of these flash messages in RAM and these can be viewed via the menu system (see page 49). If a flash message is received whilst you are viewing another flash message from the menu, the flash message will not be stored in your phone's memory until your phone is in the standby or in-call state.

Standard messages

Your phone can send and receive standard messages, each containing 160 text characters. The phone can store up to 255 received messages on your SIM card. You can choose to overwrite old messages when the SIM is full or set your phone to automatically send a message to the service centre that your SIM memory is full. When the service centre has been informed that your SIM is full, it will not send your phone any further messages until your SIM has some free message space. Your phone will automatically notify the service centre there is more space and message reception will resume.









When you send a message you can attach a receipt request. This will cause the service centre to send you a message indicating whether your message was delivered successfully or not.

Area messages (cell broadcast messages)

These messages are sent by the network to all phones in a certain area and can be viewed in the normal way (see page 53).

Viewing messages

When you wish to view a message, you will be shown a status screen indicating the number of new messages, old messages and message receipts. The viewing options are as follows:

-  Press  **1** 1. Then press the appropriate key to view the required message type (see table right).
-  Use the  and  keys, if necessary, to select the required message.
-  Use the  or  key as necessary to scroll through the message.



The Short Message Service is network dependant.




Because flash messages are stored in your phone's RAM, they will be lost when you turn your phone off.




Although your phone can store up to 255 messages, your SIM card may limit this to a smaller number.

Type	No.
New	1
Old	2
Sent	3
Unsent	4
Area	5



☎ If the message contains a flashing phone number, press the  key to call the number.

If you are viewing a receipted message, the relevant information will be displayed.


If there is no flashing phone number in the message, press the  key to enter the edit/send menu (see page 50).

☎ When you have finished viewing the messages and you do not wish to proceed to the edit/send message menu, keep pressing the **C** key to retrace your steps through preceding menus until you return to the standby screen.


Edit/send menu


The functions available in this menu can be divided into the following types.

- Edit/send - messages sent and unsent
- Edit/send - messages received

If you want to:	Press the keys in the sequence shown below				
Edit a saved message	MENU  1 1	Messages sent (3) or unsent (4)	Select message	1	edit message‡
Cancelling a message				5	
Getting receipt status				6	
Add a receipt request				7 2	
Cancel a receipt request		7 1			
Calling the message originator		2			
Replying to a message		Messages received: New (1), Old (2) or Area (5)		3	type message‡
Deleting a message				4	

‡ The send or save procedure should now be followed (see page 51).

 If you do not save messages when you send them, you cannot use the edit/send menu options.

 If you wish the network to provide you with a status report regarding the delivery of the message, ensure the receipt option is set to on before you send the message (see page 53).

 The reply facility uses the phone number of the person who sent the message.



Creating a short message

To create a short message, proceed as follows:

- Press **MENU** **1** **2**. The message entry screen will be displayed.
- Enter your message (up to 160 characters) and press the key. The send or save procedure should now be followed (see page 51).

Sending/saving short messages

This process is entered from the create option (see above) or the edit/send menu (see page 50). To send a short message, proceed as follows:

- With the send message menu displayed, press **1** (Yes) to just send or send *and* save your message. Press **2** (No) to save your message. Press **C** to discard your message.

Send or send *and* save a message

If you have not set up the SMS centre phone number when you try to send a message, **SMS centre** will be displayed:

- Enter the SMS centre number or press the key to select it from your phonebook. Press the key.

If you are sending a created or edited message, you will be prompted to enter the phone number of the person you are sending the message to:

- Enter the relevant number or press the key to select it from your phonebook. Press the key. Your phone will attempt to send the message and inform you if it was successful. You will be prompted to save the message.
- Press **1** to save the message or **2** to discard it. If you are replying to a message, your phone will attempt to send the reply and inform you if it was successful. You will be prompted to save the message.
- Press **1** to save the message or **2** to discard it.

Save or discard a message

If you do not wish to send the message or reply at the present time the message will be saved automatically (providing space is available) when selecting No to the send prompt. Press **C** to discard the message.

If there is no space left in your phone's memory to store the message, you will either be prompted to overwrite an existing message or the edited message will be lost (see page 53 for details).

If a receipt has been requested, the message will be saved automatically.

If the message is not sent, it will be stored automatically (unless the **C** key is pressed).



Message options

The following facilities can be accessed from the message options menu:

- Set up the SMS centre number
- Define the default message type
- Define the period a message is held by your network
- Define whether old messages are kept or automatically overwritten when your phone's memory is full
- Define whether or not whether a receipt status report is required for all messages sent

SMS centre number

To set up your SMS centre's number, proceed as follows:

☞ Press **MENU** **1 4 1**. The SMS centre number screen will be displayed.

☞ Enter the relevant number and press the **key**.

Message type

To set up the default message type, proceed as follows:

☞ Press **MENU** **1 4 2**. The message type selection screen will be displayed.

☞ Select the required type by pressing the appropriate number (see table right).

Valid for

To set the time your messages will be held by your network, proceed as follows:

☞ Press **MENU** **1 4 3**. The valid for menu will be displayed.

☞ Select the required time scale by pressing the appropriate number (see table right). After any selection you will be prompted to enter a figure between the range displayed.

☞ Key in the required figure and press the **key**.



*When you have completed any of the option menu functions, you will be returned to the option menu. Press **C** once to return to the message menu or twice to return to the standby screen.*

Type	No.
Text	1
Fax	2
E-mail	3
X400	4
Voice	5
ERMES	6
Nat paging	7
Other	8

Time	No.
Mins	1
Hours	2
Days	3
Weeks	4



Old messages

To select whether to keep or automatically overwrite old messages when your phone's memory is full, proceed as follows:

- Press **MENU** **1 4 4**. The keep/overwrite menu will be displayed.
- Press **1** to keep old messages or **2** to overwrite them automatically.

Receipt

To select whether or not a receipt status report request is attached to all messages sent, proceed as follows:

- Press **MENU** **1 4 5**. The receipt on/off menu will be displayed.
- Press **1** to turn status report requests on or **2** to turn them off.

Area messages

The following options are available for area messages:

- Viewing area messages (see page 49)
- Display (set your phone to receive area messages or not)
- Set power save option on or off
- Edit area message type list

Displaying area messages

If you do not wish your phone to receive area messages, proceed as follows:

- Press **MENU** **1 3 1**. The display on/off menus will be displayed.
- Press **1** to turn display on or **2** to turn it off. A suitable confirmation screen will be shown and the view messages menu will be displayed. Either make another selection from this menu or press **C** twice to return to the idle screen.



When old messages are overwritten, it is done with the following priority:

- The oldest read message
- The oldest sent message with no receipt status report requested or received
- The oldest sent message with a read status report
- The oldest sent message with an unacknowledged report pending
- The oldest unsent message



When display is set to off, the edit list and power save options will not be available.



Set power save option

The power save option will limit the amount of times your phone will look for area messages, this will reduce the power drain on your batteries. To set the power save option on or off, proceed as follows:

- Press **MENU** **1 3 3**. The power save on/off menu will be displayed.
- Press **1** to turn power save on or **2** to turn it off. A suitable confirmation screen will be shown and the view messages menu will be displayed. Either make another selection from this menu or press **C** twice to return to the idle screen.

Edit area message type list

The edit area message type list facility has the following options:

- Add a message type
- Delete a message type

Add a message type

To add a message type to the list, proceed as follows:

- Press **MENU** **1 3 2**. The first message type and its code in the list will be displayed.
- Press **1**. The message type entry screen will be displayed.
- Enter the message type number and press the key. A suitable confirmation screen will be shown and the area messages option menu will be displayed. Either make another selection from this menu or press **C** three times to return to the idle screen.

Deleting an area message type

To delete an area message type, proceed as follows:

- Press **MENU** **1 3 3**. The first message type and its code in the list will be displayed.
- Press the or **MENU** key to display the code to be deleted and press **2**. A suitable confirmation message will be shown and the area messages option menu will be displayed. Either make another selection from this menu or press **C** three times to return to the idle screen.




For more information regarding the area message types and their codes, contact your service provider.



Voice mail

Your phone supports voice mail, allowing incoming calls to be diverted to the voice mail service provided by your network.

When you are called, your current divert settings will dictate if the call is diverted to your voice mailbox. When you next turn on your phone, the network will send you a signal informing you that you have voice mail waiting. This will cause the voice mail icon () to be displayed on your phone. You can then call your voice mail centre and listen to your message(s).

Diverting your incoming calls to voice mail


Divert your call in the normal way (see page 45) but enter your voice mail service centre number as the number to divert to.

Storing/changing your voice mail number(s)

Before you can use the voice mail retrieval menu option you must store your voice mail retrieval number(s). Up to 2 voice mail retrieval numbers can be stored as follows:

 Press  **9**. The voice mail number 1 screen will be displayed.

If you wish to store voice mail number 2, press  the or  key.



 Press the  key, enter the voice mail number and press the  key. A confirmation screen will be displayed and you will be returned to the voice mail number screen.

 Press **C** to return to the main menu and once more to return to the standby screen.

Retrieving your voice mail

To retrieve your voice mail, proceed as follows:


 Press  **9**.

 If necessary, press the  or  key to select the required number and then press . You will be connected to your voice mail centre.



The Voice Mail facility is network dependant.



Some networks send a voice mail signal which turns on your message icon ().




You are provided with 2 voice mail numbers in case you use this facility on more than one network.



You can also store your voice mail numbers in your phonebook with names. This means when you retrieve your voice mail the stored name will be displayed on your phone.



If your phone is displaying the message icon () but you have no new messages, it could mean your network uses the same icon for messages and voice mail.



Voice mail icon control

Not all networks clear the voice mail icon automatically when all mail messages have been retrieved. To avoid the problem of your icon being left on when you have retrieved your voice mail, you can set your phone to clear the icon when you connect with your voice mail service. If you regularly collect voice mail and therefore do not need the voice mail icon to be turned on, you can set it to off. To set the icon options, proceed as follows:

IF YOU WANT TO: Have the network clear the voice mail icon

 Press  **8 9 2 1**.

IF YOU WANT TO: Have the voice mail icon cleared on connection to the voice mail service

 Press  **8 9 2 2**.

IF YOU WANT TO: Turn the voice mail icon off permanently

 Press  **8 9 1 2**.

IF YOU WANT TO: Allow the voice mail icon to be turned on when there is voice mail to retrieve

 Press  **8 9 1 1**.



If you turn the voice mail icon off permanently it will not be turned on when you have voice mail waiting.

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