

Operating Instructions Digital Cellular Telephone

**EB-GD70
Main Kit**

Before operating this equipment please read these instructions completely.

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Before You Start

Thank you for purchasing this Panasonic GD70 digital cellular telephone. This telephone is designed to operate on the Global System for Mobile Communications (GSM), GSM900 or GSM1800.

These operating instructions detail use of the equipment contained in the Main Kit.

Some services are network dependent or may only be available on a subscription basis. Some functions are SIM dependent. For more information contact your Service Provider.

Symbols Used



Shows that you should press the following key(s).



Shows that the display text will be flashing.



Shows that the information is a Quick Tip.

Safety Information



This equipment is intended for use when supplied with power from the built-in charger or Dual Charger (EB-CRD70) through the AC Adaptor (EB-CAD70). Other usage will invalidate any approval given to this apparatus and may be dangerous. The use of approved accessories is recommended to ensure optimum performance and avoid damage to your telephone.



Switch off your cellular telephone when in an aircraft. The use of cellular telephones in an aircraft may be dangerous to the operation of the aircraft, disrupt the cellular network and may be illegal. Failure to observe this instruction may lead to the suspension or denial of cellular telephone services to the offender, or legal action or both.



You are advised not to use the equipment at a refuelling point. You are reminded of the need to observe restrictions on the use of radio equipment in fuel depots, chemical plants or where blasting operations are in progress. Never expose the battery pack to extreme temperatures (in excess of 60°C) or charge the battery pack for much longer than recommended.



You **MUST** exercise proper control of your vehicle at all times. Do not use a hand held telephone or microphone while you are driving. Find a safe place to stop first. Do not speak into a hands free microphone if it will take your mind off the road. Acquaint yourself thoroughly with restrictions concerning the use of cellular telephones within the country you are driving and observe them at all times.



Care must be taken when using the telephone in close proximity to personal medical devices, such as pacemakers and hearing aids.

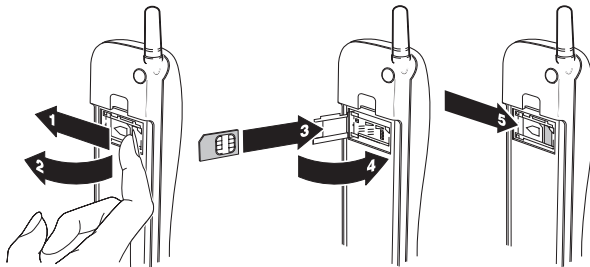


Do **NOT** hold the telephone to your ear in Handsfree mode.

Fitting/Removing the SIM

The SIM is fitted into a holder at the back of the telephone underneath the battery.

Fitting the SIM



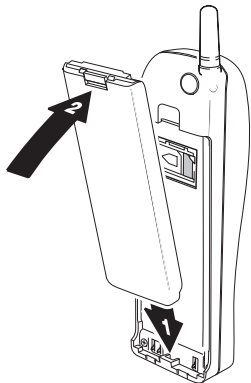
Removing the SIM

To remove the SIM follow the above steps in reverse.

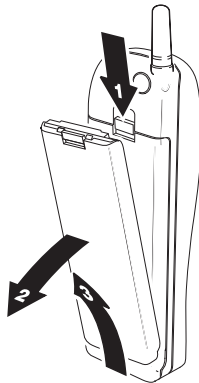
Fitting/Removing the Battery

Fit a fully charged battery pack. If the battery pack is not fully charged then it must be charged as shown in “Charging the Battery” – see page 28.

Fitting the Battery

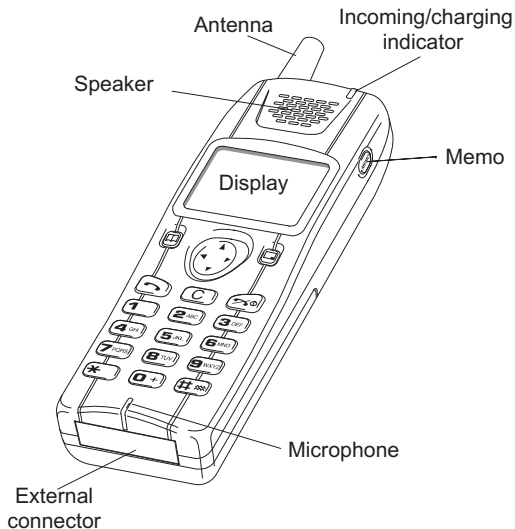



Removing the Battery





Your Telephone


Location of Controls





 Navigation key – pressing up/down scrolls through options in the main area of the display or adjusts the volume. Pressing left/right scrolls through options in the option area of the display (see Display below)

 Select key – selects an option in the option area of the display (see Display below)


 – accesses Phonebook or switches character types

 – makes a call or recalls recently dialed telephone numbers

 **C** – clears the last digit entered, clears all digits when pressed and held or returns to the previous display

 – ends a call or switches the telephone on/off when pressed and held


Digit keys 0 to 9, * and # – the # key will switch on and off vibration alert


 **MEMO** – Records a conversation during a call or plays it back during standby

Display




Location area - indicates menu number, location number, or alpha mode


Option area - shows options that can be selected by  key


 lights when you are registered to a non-home network - roaming

 lights when call divert is enabled

 lights when vibration alert is enabled




 lights when all tones or ring volume is off



 flashes when an unread message is stored or lights when message area is full

 lights when phone lock is enabled

 indicates that it is possible to make emergency calls

 indicates received signal strength -  weak signal,  strong signal

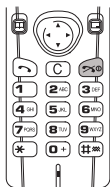
 indicates the battery level -  full,  low battery



 indicates that the Navigation key () can be pressed



Following some operations the display will automatically clear after three seconds or after pressing any key.

Basic Operation

Power on/off



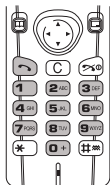
  and hold to switch power on
A greeting will be displayed.

  and hold to switch power off



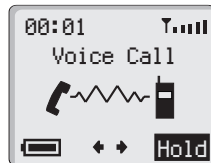
Making a Call

Make sure that the telephone is switched on and the signal strength meter is displayed.



1  area code and telephone number

2  

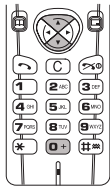


Emergency Calls

To make an emergency call the antenna symbol (T) must be present.

    or press  when "SOS" is displayed in the option area of the display

International Dialling



Using the Automatic International Access Code “+” you will be able to dial international numbers without having to know the code for the international exchange.

- 1 and hold until a “+” appears
- 2 country code or to scroll through the abbreviated international names
- 3 area code and telephone number
- 4



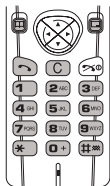
NOTE: Many countries include an initial “0” in the area code. This should, in most cases, be left out when dialling international numbers. If you have difficulties making international calls, contact your Service Provider.

Ending a Call



Answering a Call

To receive a call the telephone must be switched on and the signal strength meter must be displayed.



any key except or

to reject the call

If a call is not answered the number of unanswered calls will be displayed.

any key to clear the display



Calling Line Identification

This feature allows you to identify incoming calls and accept or reject them. The caller's telephone number, and name if stored in Phonebook, will be displayed.

NOTE: Call Line Identification may not always be available.

Adjusting Volume



Earpiece Volume

Four levels of earpiece volume are available.

During a call: to decrease to increase

Handsfree volume

During handsfree operation to decrease to increase the volume.

Ring and Key Volume

See "Ring Volume" – page 27 and "Key Volume" – page 27.

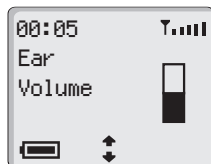
Vibration Alert



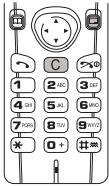
When vibration alert is switched on the telephone will vibrate when a call is received. Switching on vibration alert will silence the ring volume. However, when the ring volume is adjusted after the vibration alert is switched on, the telephone will ring and vibrate when a call is received.

During standby:

and hold to switch on or off. When switched on, the phone will vibrate briefly



Automatic Redial



When a call is unsuccessful the telephone will ask if you want to redial the telephone number again automatically.

  when "OK" is displayed in the option area

Auto Redial will countdown the display to the next redial

To stop redialling,   when "Cancel" is displayed in the option area






If a call is repeatedly unsuccessful you will not be able to automatically redial the telephone number. In this case you must redial the telephone number manually.

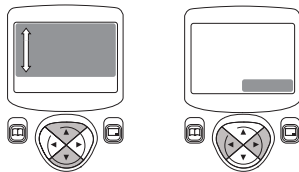
Advanced Operation

Concept of Operation

There is a close relationship between the select key, navigation key and the display.

Pressing  scrolls through the main area of the display.

Pressing  scrolls through options at the bottom right of the display. To choose the option, press .








Desktop Handsfree





Desktop Handsfree allows you to hold a conference call, whereby more than one person can listen to the call at a time.

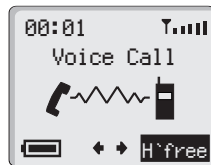
NOTE: Do NOT hold the telephone to your ear in Handsfree mode. If the telephone is mounted in the optional Car Mount Kit, Handsfree is not available.

Making a Handsfree call

- 1  area code and telephone number
- 2   the option area will display "H'free"
- 3   to activate Handsfree

Reverting to a Handheld call

- 1   to display "H'held" in the option area
- 2   reverts to Handheld



NOTE: A warning tone will sound to indicate a change in audio mode from either Handheld to Handsfree or Handsfree to Handheld.



Answering a call Handsfree


and hold, will allow the call to be answered Handsfree.

Voice Memo

You can record a conversation for approximately 50 seconds during a call. If a different SIM is installed any recorded message will be lost.


CAUTION: Security of a recorded message is your responsibility. You **MUST** ask for the other party's consent before recording.

Record

 **MEMO** during a call



Two tones will sound when recording starts. Another two tones will sound, to the other party, every 15 seconds. When the recording stops a tone will sound to you.


 **MEMO** while recording to restart

Recording cannot be stopped once started.


Play Back

 **MEMO** during standby.



If there is no recording two tones will sound.

To stop playing, press 

Playback Handsfree

 **MEMO** and hold, during standby will allow handsfree operation of the telephone


Erase

  twice during playing

DTMF Tones

DTMF tones can be sent during conversation. These are often used to access voice mail, paging and computerised home banking. For example, you may need to input a number to remotely access voice mail messages.







Send DTMF Tones During a Call

 digits (0 to 9, # and *)

Pause Dial



Using pauses allows you to send DTMF tones automatically.

-  telephone number
-   and hold until a "P" appears
-  DTMF digits after the pause e.g. Enter the number to access voice mail messages. Repeat step 2 for more pauses.
-  .



When the call is successful DTMF tones will be sent every 3 seconds or when  is pressed



Call Hold/Call Waiting

Holding/Resuming a Call

  when "Hold" is displayed in the option area

  when "Resume" is displayed in the option area

Making a Second Call

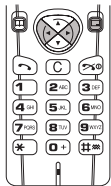
1  telephone number, or recall from Phonebook – see “Retrieving a Telephone Number” page 17

2  

The first call will be placed on hold.

Receiving a Second Call

A second call can be received, if call waiting is switched on – see “Call Service” page 24. It is not possible to have more than one fax or data call. All voice calls must be ended before you can make or receive a fax or data call.



Accept a Second Call

1   when “Accept” is displayed in the option area

The current call will be placed on hold.




Reject a Second Call

1   to display “Reject” in the option area

2  

End Current Call and Receive Second Call

1   with a waiting call



2  any key except  or 

Operation During Two Calls

Swap Between Calls

  when "Swap" is displayed in the option area

End Current Call

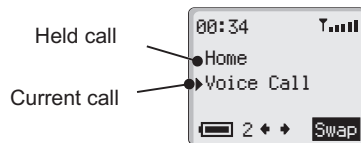
1   to display "End" in the option area

2  

The held call will remain held.

End Both Calls





Calling the Last Dialed Number

To redial your last called telephone number   



Returning an Unanswered Call

When the display shows that you have received calls but not answered them.

1  

The last caller's telephone number will be displayed.

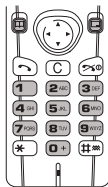
2   to point at the telephone number you wish to dial


3  

Phonebook

Telephone numbers are stored on your SIM. Therefore, the number of locations, length of name and number of telephone numbers that can be stored are dependant on your SIM.

Storing a Telephone Number



1  telephone number

2  

The telephone number entered in step 1 will be displayed.

3 Edit the displayed number if necessary

4   to enter the telephone number

5  name – see “Alpha Entry” page 21

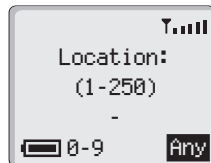
6   to enter the name

7  location number if you do not want Automatic location

Automatic Location



The telephone number can be stored automatically at the first available location. This can be done instead of entering a location number.


  when “Any” is displayed in the option area of the display

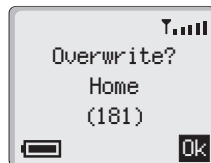


Overwrite Protection

If a location is occupied you will be asked if you wish to overwrite the current information.

  to overwrite the selected location



  to choose another location number



Retrieving a Telephone Number



1  

2   to browse through the Phonebook

You can browse through the Phonebook in the order that was last used by the “Phonebook” menu see page 22.

The telephone number, or name, pointed can be dialed, recalled, edited or deleted.

View

This is used to review the telephone number and name together or just the name.

  when "View" is displayed in the option area

Recall

1   to display "Recall" in the option area

2  

Dialling

When the desired telephone number or name is displayed

Editing

1   to display "Edit" in the option area

2  

3  new telephone number

4  

5  new name

6  






Deleting

1   to display "Delete" in the option area

2   twice



Speed Dial a Stored Number

- 1  location number – leading zeros may be left out
- 2  
- 3  

Fixed Dial

The Fixed Dial Store is part of Phonebook, but with additional security. When the security feature Fixed Dial is switched on it is only possible to make calls with telephone numbers that are in the Fixed Dial Store.

When Fixed Dial is switched on any manually dialled telephone numbers must match a telephone number in the Fixed Dial Store.

To store, edit or delete a telephone number in the Fixed Dial Store “Fixed Dial” must be switched on – see “Security” page 25. With Fixed Dial switched on, all telephone numbers can be added, edited or deleted as normal, but you will be asked for PIN2 – see “Security” page 25.

“Wild” Numbers

Wild numbers are spaces that can be stored in a telephone number. The “wild” numbers must be filled before the telephone number is dialled. In this way a call can be restricted to a specific area by storing the area code of a telephone and when recalled the remainder can be added. The “wild” numbers can be anywhere within a stored telephone number.

  and hold until “_” appears to enter a wild number

When the telephone number is recalled pressing a numeric key will fill in a “wild” number.



Service Numbers

Your Service Provider may program some special telephone numbers into the Service Dial area of the Phonebook. It is not possible to modify the telephone numbers stored in the Service Dial part of the Phonebook.

  and hold

  to browse through the Service Dial list of telephone numbers

The telephone number pointed to can only be recalled or dialled.

Hot Key Telephone Numbers

It is possible to dial telephone numbers from the Phonebook or Service Dial part of Phonebook very quickly. Some Hot Key telephone numbers may be reserved by the Service Provider, for example the first three Hot Key telephone numbers may be linked to the Service Dial part of the Phonebook. To select a source for the Hot Key telephone numbers see “Personalise” – page 27.

  to  and hold

Alpha Entry

Alpha Entry is used to enter alphanumeric characters into Phonebook, Short Messages, Price Per Unit and the Greeting Message.

Key	Character entry type		
	Normal (ABC)	Greek (ΑΒΓ)	Extended (ΑĂĂ)
1	Space"@,.;:~!~?~¿~()~'~&~%~+~/-~<~>~£~\$~¥~¤~§		
2 ^{ABC}	ABCabc	ΑΒΓ	ΑĂĂÆΒCÇçăăăæàâc
3 ^{DEF}	DEFdef	ΔΕΖ	DEÉFdeéeëf
4 ^{GHI}	GHIghi	ΗΘΙ	GHIghii
5 ^{JKL}	JKLjkl	ΚΛΜ	JKLjkl

Key	Character entry type		
	Normal (ABC)	Greek (ΑΒΓ)	Extended (ΑĂĂ)
6 ^{MNO}	MNOmno	ΝΞΟ	MNŃOŃŃŃmnñoöøò
7 ^{PQRS}	PQRSpqrs	ΠΡΣ	PQRSpqrsß
8 ^{TUV}	TUVtuv	ΤΥΦ	TUÜVtuüüv
9 ^{WXYZ}	WXYZwxyz	ΧΨΩ	WXYZwxyz




Each time a key is pressed it will display the next character. When another key is pressed or no key is pressed for a short time the cursor will move to the next position.

To access the different character types, normal (ABC), numerals (0-9), Greek characters (ΑΒΓ) and extended characters (ΑĂĂ) press **[α]**.

Editing Alpha Entry

Pressing **[↑]** will move you up or down one line. Pressing **[←]** will move you left or right one character. When the cursor is moved over a character and another key pressed this will insert the new character. Pressing **[C]** will delete the character to the left of the cursor or delete the current line when pressed and held.

Additional Features

When the word “Menu” is in the option area of the display pressing the  will display a menu of telephone features. To select a feature press  so that the pointer is showing next to the feature that you require then press .

A quick way of selecting a feature is to press the menu number shown in the bottom left of the display.

To leave the menu press  repeatedly.

During a call a restricted menu will be available.

Key Guard



Key Guard will prevent any keys from being accidentally pressed e.g. when the telephone is being carried.

When a call is received *Key Guard* will be temporarily disabled allowing you to press any key to answer the call.

When the telephone is mounted in the optional Car Mount Kit *Key Guard* will be disabled.

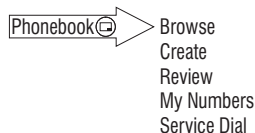
Emergency calls can still be made.




Disabling Key Guard

  twice when “Free” is displayed in the option area of the display.

Phonebook



Most common use of the Phonebook is covered in Phonebook – see page 16.

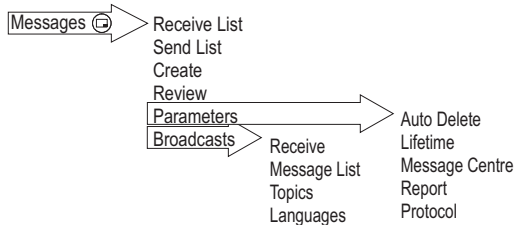
When pointing to *Browse* pressing  will show “Loc’ns (Locations)” to browse through Phonebook by location number or “Names” to browse by name in alphabetical order. When browsing by name pressing a lettered key will take you to the first entry starting with that letter.

Review shows how many locations are available in the Phonebook. Occupied locations are shown with “■”.

My Numbers is a convenient part of Phonebook where your voice, fax and data telephone number(s) can be stored and viewed.

Service Dial enables you to view or recall the service dialling number(s) preprogrammed by your Service Provider.

Messages



You can receive, display, edit and/or send short text messages, of up to 160 characters.

Before you can send a message you must enter the Message Centre number into the Parameters. Your Service Provider will supply the Message Centre number.

When new messages are received, the message indicator (☒) flashes and they are automatically stored in the message area of your SIM. When all the messages are read, the ☒ disappears. If the message area is full the ☒ lights and a new message will be rejected. To receive new messages you will have to erase unwanted messages.

Received messages will be stored in the *Receive List*. Flashing “•” will indicate unread messages. Once the message is selected, you can read, delete, edit and

reply. With the word “Sender:” displayed or a telephone number in quotation marks (“ ”), pressing ☒ dials the telephone number or pressing ☒ stores the telephone number in the Phonebook.

When a message has been sent or edited it will be stored in the *Send List*.

Create will create a new message and send or store it in the *Send List*.

Review allows you to review how much of the message area is available.

Parameters

The *Parameters* are necessary for receiving or sending messages.

Auto Delete will erase messages automatically. When “Received Read” is selected, a new message will overwrite the oldest read message. When “Received Any” is selected, a new message will overwrite the oldest message even though it may not have been read.

Lifetime is the duration that your message is stored at the Message Centre. Delivery attempts will be repeated until the message has been delivered or the Lifetime expires.

The *Message Centre* is where messages are sent before they are forwarded on to their destination. The Message Centre number may be pre-programmed into your SIM or supplied by your Service Provider.

When your message has been delivered a confirmation can be received if *Report* is set to "Yes".

The Message Centre may be able to convert the message to the format specified by *Protocol*.

Broadcasts

Broadcast can display information about your current area such as traffic or weather information.

The *Message List* will display the last received broadcast messages.

By specifying the required subjects in *Topics* the telephone will receive related messages. If the required topic is not displayed, enter its topic code provided by your Service Provider.

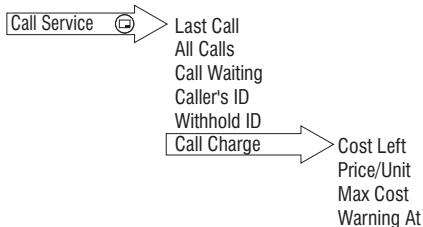
The preferred *Languages* in which broadcast messages are displayed can be changed.



Reading a Newly Received Message

when "Read" is displayed in the option area of the display.

Call Service



Last Call will display the duration and call charge, if available, of the last call during standby or the current call during a call. Times are indicated as: hours (0-99), minutes (0-59), second (0-59) - HH:MM:SS.

All Calls displays the accumulated duration and call charge, if available, of incoming and outgoing calls. The lock code is required to reset the timer and PIN2 is required to reset the timer and call charge.

Call Waiting allows you to receive a second call during your current call. When updating or checking the status of call waiting the telephone must be registered with a network.

Caller's ID allows you to check the status of Calling Line Identification. The telephone must be registered with a network.

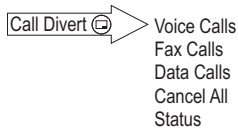
Using *Withhold ID* it is possible to check if you send Calling Line Identification information when you make a call. When checking the Status of Withhold ID the telephone must be registered with a network.

Call Charge will set the cost of each unit for call charge information and the required currency in which call charge is displayed.

Using *Max. Cost* can restrict use of the telephone to a specified number of units.

NOTE: The duration of one unit may vary during the day, peak and off-peak times. Therefore, the call charge can be calculated accordingly. However, call charge information may not give an accurate reflection of the tariffs charged by your Service Provider.

Call Divert

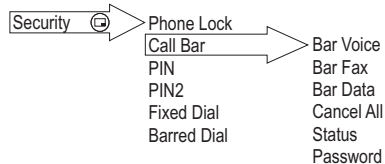


When *Call Divert* is enabled the divert icon (↪) is displayed.

You can divert voice, fax and data calls using different circumstances and to different telephone numbers.

When updating or checking the *Status* of Call Divert the telephone must be registered with a network.

Security



There are three types of security code for your telephone:

Lock Code: Controls telephone security – Phone Lock. Factory-set to “0000”.

PIN: Controls SIM security.



PIN2: Controls security for Fixed Dial Store and Call Charge metering.


It is recommended that you memorise your security codes. If you need to make a note of your security codes, never write them in a way that they can be recognised by another person. If you forget them contact your dealer for the lock code or your Service Provider for PIN and PIN2.

Phone Lock will prohibit normal operation of the telephone. Only emergency calls can be made and received calls answered. Once the Phone Lock is

enabled the lock icon (🔑) is displayed. To restore normal operation, enter your lock code.

Call Bar is used to restrict certain outgoing and/or incoming calls. Call Bar is controlled by a security *Password* that is supplied by your Service Provider. When updating or checking the *Status* of Call Bar the telephone must be registered with a network. Different Call Bar restrictions can be used for voice, fax and data calls. Any combination of call restrictions can be set.

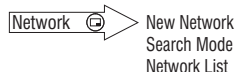
When the *PIN* is enabled you will be asked to enter the PIN every time the telephone is switched on. If asked, enter the PIN followed by . The PIN can be changed by pressing  when “Change” is displayed in the option area of the display.

The *PIN2* can be changed by pressing  when “Change” is displayed in the option area of the display.

With *Fixed Dial* switched on you can only make calls with the telephone numbers stored in Fixed Dial area of the Phonebook – see Fixed Dial page 19. Emergency calls can be made at any time. To use this function PIN2 is required.

Barred Dial enables you to bar particular telephone numbers from being dialled on the telephone.

Network



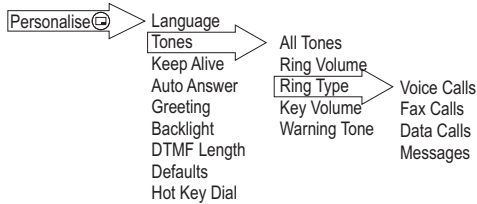
When not in your home country you may use a network that you do not directly subscribe to, this is called ROAMING. National Law may not permit roaming in your home country.

New Network is used to manually select a network that is available in your current location.

When the *Search Mode* is set to “Automatic” the telephone will search through the preferred network list and select a new network automatically. While the Search Mode is set to “Manual” the telephone will display network(s) that are available in your current location to ask you to select one.

The *Network List* is used when the Search Mode has been set to “Automatic”. The location numbers in the Preferred Network List show the search priority. Selecting “Insert” stores a new network in the currently displayed location and then moves other networks down, “Edit” overwrites the old network with a new one, and “Add” stores a new network at the end of the list.

Personalise



The *Language* that the telephone will use for display messages can be changed.

In *Tones*, the telephone key, ring and warning tones (except low battery warning), can be switched off. When *All Tones* are switched off the silent indicator (🔇) is displayed.

When the *Ring Volume* is switched off the silent indicator (🔇) is displayed. Increasing the volume level above maximum can set an escalating ring tone.

A different *Ring Type* can be used for voice, fax, data and messages.

The *Keep Alive* timer will delay switching off the telephone, when the telephone is mounted in the optional Car Mount Kit and the vehicle ignition is turned off. If the ignition is turned off during a call the call will be

maintained. When the call ends the timer will start. If the telephone is removed from the Car Mount Kit during the specified delay time, the timer will be cancelled and the telephone will not be turned off.

When *Auto Answer* is switched on, and the telephone is mounted in the optional Car Mount Kit, a call will be answered without pressing any keys.

A personalised *Greeting* can be programmed for when the telephone is switched on – see Alpha Entry page 21.

The brightness of the *Backlight* can be changed.

DTMF Length can be changed between short and long.

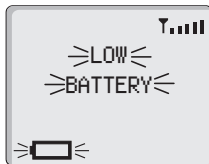
Defaults will return your Personal Settings to their factory default, except the lock code and language.

The source for the Hot Key telephone numbers can be set using the *Hot Key Dial* menu.

Battery Information

Low Battery

When the battery power is low a warning tone will sound and a LOW BATTERY message will flash. The power will automatically shut off shortly after the warning tone. Fully charge the battery pack or replace it with a fully charged one.



During conversation finish your call immediately.

Charging the Battery

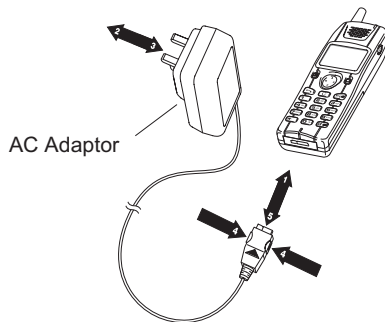
The battery pack must be attached to the telephone before the AC Adaptor.

NOTE: DO NOT force the connector as this may damage the telephone and/or the AC Adaptor.

When charging is complete remove the AC Adaptor.

To maintain maximum performance of Ni-MH Battery Packs always use until the Low Battery Warning and then fully recharge.

Operation of Battery Level Indicator



	While charging	Charging complete
Telephone on		
Telephone off		Indicator off

Care and Maintenance



Pressing any of the keys may produce a loud tone. Avoid holding the telephone close to the ear while pressing the keys.



Extreme temperatures may have a temporary effect on the operation of your telephone. This is normal and does not indicate a fault.



Do not disassemble the equipment. There are no user-serviceable parts.



Do not subject the equipment to excessive vibration or shock.

Avoid contact with liquids. If the equipment becomes wet immediately remove the power and contact your dealer.



The equipment may be cleaned with a soft cloth dampened with a mild detergent and water. Petroleum based cleaners may damage the equipment.



Do not leave the equipment in direct sunlight or a humid, dusty or hot area.



Keep metallic items that may accidentally touch the terminals away from the equipment.



Always charge the Battery Pack in a well ventilated area, not in direct sunlight, between +5°C and +35°C. It is not possible to recharge the battery pack if it is outside this temperature range.



Avoid recharging battery packs for longer than recommended.



Do not incinerate or dispose of the battery packs as ordinary rubbish. The battery packs must be disposed of in accordance with local legislation and may be recycled.



When disposing of any packing materials or old equipment check with your local authorities for information on recycling.

Other Information

Glossary of Terms

DTMF Tones	Dual Tone Multi-Frequency tones allow you to communicate with computerised telephone systems, voice mailboxes etc.
GSM	Global System for Mobile Communications. The name given to the advanced digital technology that your telephone uses.
Home country	The country where your home network operates.
Home network	The GSM network on which your subscription details are held.
Network Operator	The organisation responsible for operating a GSM network. Each country will have a different network operator.
Password	Used for the control of the Call Bar. Supplied by your Service Provider.
PIN	Personal Identification Number used for SIM security. Supplied by your Service Provider. If the PIN is entered incorrectly 3 times, the PIN will be blocked.
PIN2	Personal Identification Number used for the control of Fixed Dial Store and Call Charge metering. Supplied by your Service Provider. If the PIN2 is entered incorrectly 3 times, the PIN2 will be blocked.

Glossary of Terms continued

PUK/ PUK2	PIN/PIN2 Unblocking Key. Used to unblock the PIN/PIN2. Supplied by your Service Provider. If the PUK/PUK2 is entered incorrectly 10 times, the PUK/PUK2 will be blocked.
Registration	The act of locking on to a GSM network. This is usually performed automatically by your telephone.
Roaming	The ability to use your telephone on networks other than your Home network.
Service Provider	The organisation responsible for providing access to the GSM network.
SIM	Subscriber Identity Module. A small smart-card which stores unique subscriber and user-entered information such as Phonebook and Short Messages. Supplied by your Service Provider.


Trouble Shooting

Should any problem persist contact your dealer.

Problem	Cause	Remedy
Telephone will not switch on.		Check that the Battery Pack is fully charged and correctly connected to the telephone.

Extremely short battery life for a new battery pack.	The network you are using and the condition of the battery pack can affect battery life.	
Short battery life for an old battery pack.	The battery pack was worn out.	Replace with a new one.
Short battery life for Ni-MH battery pack.	The life of the battery pack is affected by improper charging, this is inherent in all Ni-MH batteries.	To maintain maximum performance always use until the Low Battery Warning and then fully recharge the battery pack. To revive the Battery Pack use the telephone until the Low Battery Warning and then fully recharge, repeat this process at least three times. However, if the battery life is still short, the Battery Pack has eventually worn out. Replace with a new one.
The telephone cannot be switched on when charging	When the Battery Pack has been deeply discharged the telephone will take a short time to detect which type of Battery Pack it is charging	Leave the telephone charging the Battery Pack for a few minutes before attempting to switch it on.
Calls cannot be made.	The telephone is locked.	Unlock the telephone (Menu: Security: Phone Lock)
	Outgoing calls are barred.	Disable the outgoing call barring (Menu: Security: Call Bar)
	The telephone is not registered to a network.	Move to a coverage area and operate your telephone after it has registered with a network.

Trouble Shooting continued

Calls cannot be made from Fixed Dial Store		<p>Check your SIM supports Fixed Dial.</p> <p>Check if the Fixed Dial is switched on (Menu: Security: Fixed Dial).</p> <p>Check the telephone number is stored in the Fixed Dial.</p>
Calls cannot be received.	The telephone is not switched on.	Switch the telephone on.
	Incoming calls are barred.	Disable the incoming call barring (Menu: Security: Call Bar)
	The telephone is not registered to a network.	Move to a coverage area and operate your telephone after it has registered with a network.
Emergency calls cannot be made.	You are not in a GSM coverage area.	Check that the antenna symbol  is displayed. Move to a coverage area and operate your telephone when the antenna symbol is displayed.
Telephone numbers cannot be recalled.	The telephone is locked.	Unlock the telephone (Menu: Security: Phone Lock)
	Fixed Dial is switched on.	Switch off Fixed Dial (Menu: Security: Fixed Dial)

Important Error Messages

Area not Allowed

Roaming in the selected area is not allowed.

Network not Allowed	Roaming with the selected network is not allowed.
Security Failure	The network has detected authentication failure because your SIM is not registered with that network. Contact your Service Provider.
SIM Blocked	The SIM is blocked because the wrong PUK has been entered ten times. Contact your Service Provider.
SIM Error	The telephone has detected a problem with the SIM. Switch the telephone off and then back on. If the message does not disappear contact your Service Provider.
Message Rejected Store Full	A message has been received but the message store is full. To receive messages, delete some of the currently stored messages or set messages to automatically clear (Menu: Messages: Parameters: Auto Delete)
PIN2 Invalidated	The PIN2 is blocked permanently because the wrong PUK2 has been entered 10 times. Services controlled by PIN2 cannot be used. Contact your Service Provider.
Warning Store Full Continue?	The message area is full. Your messages cannot be stored until some of the currently stored messages are deleted.
Auto Redial List Full	Redial list of unsuccessfully dialled numbers is full. Switch the telephone off and then on again.

Specifications

Telephone

Type	GSM900 Class 4 GSM1800 Class 1
Temperature range	
Charging	+5°C to +35°C
Storage	-20°C to +60°C

Battery – Attached to telephone

	Battery Pack (EB-BSD70)	Battery Pack (EB-BMD70)	Battery Pack (EB-BLD70)
Weight	134g	162g	155g
Dimensions Height x Width x Depth	132 x 45.5 x 19.5mm	132 x 45.5 x 26mm	132 x 45.5 x 30mm
Supply Voltage	3.6V DC, 860mAh Li-Ion	3.6V DC, 950mAh Ni-MH	3.6V DC, 1500mAh Li-Ion
Standby time (h)	Up to 100	Up to 105	Up to 180
Talk Time (h)	4	4	7.5
Charge Time (min)	140	120	300

NOTE: Charge time will be longer when the telephone is turned on. Battery life is affected by the network you are using and the condition of the battery pack.

The Serial Number can be found on the outside of the telephone under the battery. For your convenience we recommend that you note the following details as a record of your purchase.

Part Number	
Serial Number	
Dealer Name	
Purchase Date	

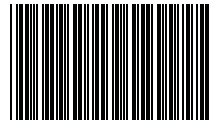
BULL CP8 PATENT

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