




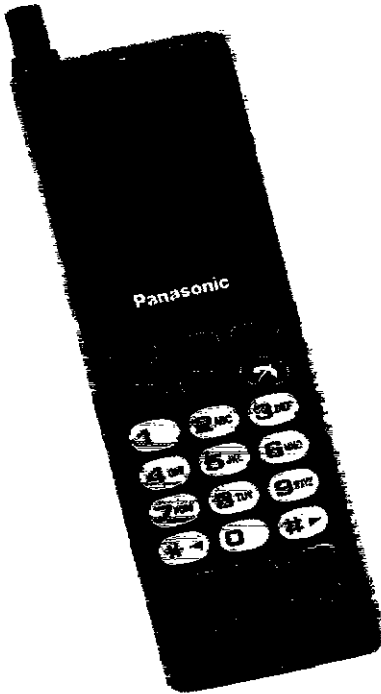


**Panasonic**

# Operating Instructions

**EB-G400Z  
Digital Cellular  
Telephone**

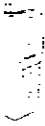
**GSM**



Before operating this equipment please read these instructions carefully.

## Basic Main Kit Composition

**Main Unit (Telephone)**  
EB-G400



**AC Adaptor**  
EB-CA400

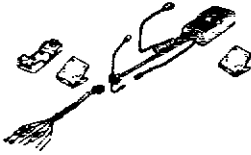


### Operating Instructions

The main kit will include at least one battery pack and may include other optional accessories

## Optional accessories

**Car Mount Kit – EB-HF400Z**  
Allows for handsfree use in a vehicle and fast charges the battery pack.



**DC Adaptor – EB-CD400A**  
Fast charges the battery pack by connection to a cigarette lighter socket.



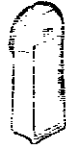
**Dual Charger – EB-CR400**  
Has two slots to fast and trickle charge the battery



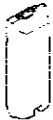
**Holder Kit – EB-KA400Z**  
This can be used as a simple car mount kit.



**Carry Case – EB-YK400**



**Battery Pack (L)**  
–EB-BM400A



**Battery Pack (XM)**  
–EB-BX400



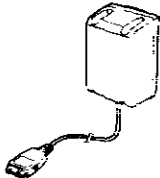
**Battery Pack (M)**  
–EB-BS350



**Battery Pack (S)**  
–EB-BS400



**AC Adaptor – EB-CA400**  
Supplies the dual charger with power or connects to the telephone to fast charge the attached battery pack.



**PCMCIA Data Interface Card – EB-PA400**  
Allows fax and data communications over the GSM network.




# Introduction

Thank you for purchasing a Panasonic digital cellular telephone.

The Panasonic G400 is a digital cellular telephone designed to operate on the Global System for Mobile Communications (GSM).

These operating instructions detail the operation and advanced features of your telephone. They will also explain the use of the accessories provided with the telephone and the available options.

Symbols used in these operating instructions:

 Shows that a function is network dependent, or may only be available on a subscription basis from your service provider.

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

"GSM1" Used as an example of network code.

"GSM 01" Used as an example of a full network name.

## The GSM System

The GSM system consists of many networks spanning the world. Each country participating in GSM has at least one network. Where agreements exist between network operators, it may be possible to roam from network to network and country to country. Contact your service provider for more information on the latest GSM coverage and roaming agreements.



## Subscriber Identification Module (SIM)

In order to use your telephone on the GSM system you will require a valid Subscriber Identification Module (SIM) registered with a GSM mobile network. This network is referred to as your HOME network.



Your SIM contains all the information necessary to operate the telephone. This includes network information and other unique subscriber data. It also holds user-entered information such as stored telephone numbers. The SIM fits into a small slot in the back of the telephone, protected by the battery pack.

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## Precautions

Before the telephone can be used the SIM must be inserted (refer to "SIM fitting and removing" -- page 55) and a charged battery pack fitted (refer to "Battery information" -- page 52).

This apparatus is type approved for connection to the Global System for Mobile Communication (GSM). Please note the following precautions before using your telephone:

### Operating environment

- Turn off your 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 suspension or denial of cellular telephone services to the offender, or legal action or both.
- Users are advised not to use the equipment when at a refuelling point. Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots, chemical plants or when blasting operations are in progress.
- Avoid contact between the antenna and face (especially eyes) during conversation. Take care when using the telephone in crowded places.
- Care must be taken when using the telephone in close proximity to personal medical electronic devices, such as pacemakers and hearing aids.
- In extreme temperatures the display on your telephone may at times change slightly in colour, or take somewhat longer than usual to display characters or the battery life may be shorter. This is normal and does not indicate a defect in the telephone or battery pack.
- Keep children away from the equipment.

### Handling

- DO NOT attempt to disassemble this equipment. There are no user-serviceable parts inside.
- DO NOT strike, drop, shake or subject the equipment to excessive vibration.
- DO NOT expose the equipment to rain and avoid contact with any liquids. Immediately turn the power off or remove the equipment from the mains supply and contact your dealer if the equipment becomes wet.
- Keep any metallic items that may accidentally touch the terminals away from the equipment. Special care should be taken when carrying a battery pack in a bag so that keys or coins etc. do not accidentally touch the terminals.
- DO NOT leave the equipment in direct sunlight or a humid, dusty, hot area.

## **General precautions**

- Pressing any of the keys may produce a loud tone. Avoid holding the telephone close to your ear whilst pressing the keys.
- This apparatus is intended for use when supplied with power from the built-in charger or dual charger (EB-CR400) through the AC adaptor (EB-CA400). Other usage will invalidate any approval given to this apparatus and may be dangerous.
- Always use Panasonic approved accessories in order to maintain full performance and avoid damage. The use of any equipment other than that specified may damage your telephone or result in inferior performance.
- The telephone, charging apparatus and battery pack may feel warm during use. This is normal and does not indicate a fault.

## **Use in a vehicle**

- You **MUST** exercise proper control of your vehicle at all times. Do not use a handheld telephone while you are driving. Find a safe place to stop first.
- You **MUST NOT** stop on the hard shoulder of the motorway to answer or make a call, except in an emergency.
- Acquaint yourself thoroughly with restrictions concerning the use of cellular telephones within the country where you are driving and observe them at all times.

## **Battery pack and charging**

- **DO NOT** apply force when fitting the battery pack to the telephone.
- Always charge the battery packs in a well ventilated area, not in sunlight, between +5°C and +35°C. The battery indicator (🔋) may disappear while charging if the battery pack is outside the charging temperature range. Charging will resume when the battery pack is within the charging temperature range.
- To maximise functional life of the battery pack fully discharge and recharge at least once every month. Intermittent use between short charges will seriously reduce battery pack life. It is recommended to use a battery pack until the low battery warning before recharging.
- **DO NOT** incinerate or dispose of as ordinary rubbish. Keep the battery packs away from the fire. The battery packs must be disposed of in accordance with local legislation.

- Attach the battery pack to the telephone before charging with the AC adaptor. If the battery pack is fitted to the telephone after the AC adaptor charging will not start automatically. Remove the AC adaptor and ensure that the battery pack is fitted before the AC adaptor. Confirm that the battery indicator (●) flashes while charging.
- If the battery pack has not been charged for a long time the battery indicator (●) may not flash. When the battery indicator (●) flashes, within thirty minutes, normal charging will commence.
- If the AC adaptor is removed from the mains supply without removing it from the telephone the battery indicator (●) may continue to flash for a short while. This is normal and does not indicate a fault.
- Avoid recharging battery packs for a long period of time (over 24 hours).
- Store the battery pack in a dry, cool and dark area when not in use.

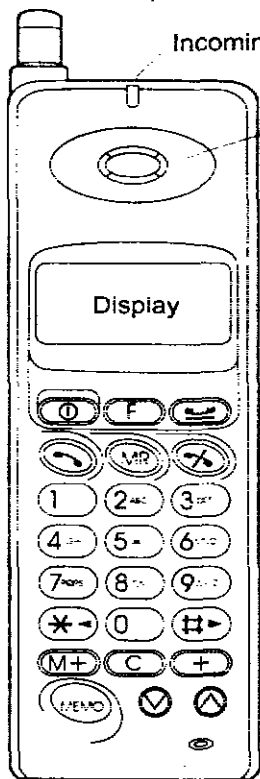
### **Cleaning**

- The equipment may be cleaned with a soft cloth dampened with a mild detergent and water. DO NOT use petroleum based cleaners such as benzene or thinner, which may damage the equipment.
- Periodically clean the contacts of the charging apparatus and battery packs with a dry soft cloth. Poor electrical contact because of unclean contacts may cause the power to switch off or the charging apparatus not to charge correctly.

# Your telephone

## Location of controls

Antenna – for best reception extend fully. When retracting the antenna after use hold the centre part of the antenna and gently slide back into the telephone.

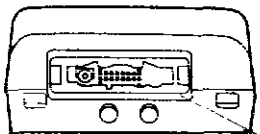


Incoming indicator – indicates an incoming call when flashing.

Earpiece

Display

Microphone



External connector

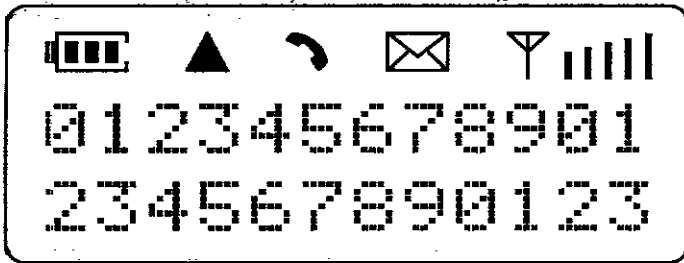
### Keypad:

	Power key	Switches power on and off.
	Function key	Enters function menu.
	Hold key	Puts a call on hold.
	Memory key	Recalls memory data.
	Dial key	Makes a call.
	End key	Ends a call.
	M-plus key	Enters data or alphanumerics, confirms an action or accesses messages.
	Clear key	Clears last digit entered, all digits when pressed and held down or exits from function mode.
	Plus key	Enters international access code or pauses.
	Voice memo key	Records or plays back voice memo.
	Scroll keys	Increases or decreases a value and scrolls through menu functions.
Digit key  to ,  and .		



## Display information

### Display indicators



### Character display

### Display indicators

- Indicates the battery voltage – full battery, empty battery.
- Indicates that you are registered to a non-home network – roaming.
- Indicates that a call is in progress or flashes when a call is on hold.
- Indicates the reception of a message or flashes when messages memory is full.
- Indicates that it is possible to make an emergency call.
- Indicates received signal strength – weak signal, strong signal.

### Clear display

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

## Basic operation

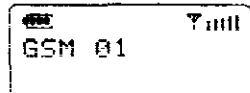
### Power on

 and hold

A wake up tone will sound.

If the PIN is enabled and/or the lock function is set a message will be displayed asking for the PIN and/or lock code to be entered. refer to "Security" – page 26. When the appropriate PIN and/or lock code is entered, the telephone will search for a network.

When network registration is complete the network name and signal strength meter (▬▬▬) will be displayed.



### Power off






 and hold

To turn power off.

### Making a call

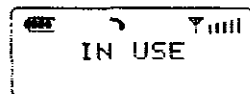
For best reception fully extend the antenna.

Make sure that the signal strength meter (▬▬▬) is displayed.

1.  telephone number (up to 32 digits)  
To clear the last digit press  once.  
To clear all the digits press  and hold.
2.    
To make the call.

The call in progress indicator (📞) will be displayed.

When the call is connected the telephone number will disappear.

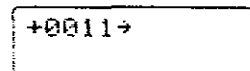


### Overflow digits display

When you enter 17 digits or more excluding "+", the last 16 digits will be displayed.  
Example: +00112233445566778899

  and hold

First digits will be displayed.

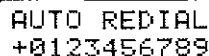


## Automatic redial

When a call is unsuccessful – for example, because the other party is busy – the telephone will automatically redial the number after five seconds, if the auto redial function is set, refer to “Set auto redial” – page 51. Then, if still unsuccessful, a maximum of ten further attempts will be made. A tone will sound before each redial attempt.

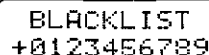
The first 12 digits of the telephone number will be displayed.

To cancel while auto redialling is in progress press any key.



## All redial attempts failure

If all redial attempts fail the telephone number will be registered in a blacklist, which can store up to eight telephone numbers. This will stop unnecessary redial attempts of the blacklisted telephone number.



To delete a telephone number from the blacklist that telephone number must be redialled manually. When the call is successful the telephone number will be deleted from the blacklist.

## Blacklist full

When the blacklist is full, the auto redial function will be disabled. To re-enable the auto redial function telephone numbers must be deleted from the blacklist.



Press any key except  or .



To clear the “BLACK LIST FULL” message.


When the telephone is switched off the blacklist information will be lost.

## Emergency calls

Calls to the emergency services (Police, Fire or Ambulance) can be made by dialling the special GSM emergency telephone number 112. This number is recognised by all GSM networks.

It is possible to make an emergency call at almost any time, even if there is no SIM present, the telephone is not registered to a network or during conversation.

To make an emergency call when the telephone is not registered to a network the antenna symbol () must be present. However, the presence of the antenna symbol () does not guarantee that an emergency call can be made.

To make an emergency call.




## 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.

Dialling national calls using the Automatic International Access Code will have no affect on call charges. It is recommended that all stored telephone numbers use the Automatic International Access Code as this will aid dialling from home and abroad.

1. 

To use the Automatic International Access Code.

2.  country code

Country codes are available in "GSM Network Codes and Names" supplied with these operating instructions.



3.  area code and telephone number

4. 

To make the call.

**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.

## Pause dialling

Pause dialling uses the DTMF tones generated by the telephone to access external telephone services, such as voice mail, paging and computerised home banking.

More than one pause can be used, but the total telephone number must not exceed 32 digits, including pauses. Each pause will last for approximately three seconds.

Telephone numbers that have pauses can be stored in memory, refer to "Store a number" – page 18.

## Pause dial calls

If you have recalled a telephone number from memory that contains pauses begin with step 4.

1. telephone number

2. "P" will be displayed.

+01234567P

3. additional digits

Repeat step 2 and 3 if more pauses are needed.

4. To make the call

13P45

When the call is connected, the next digits will be displayed

5. or wait for three seconds To send the digits after the pause.

Repeat step 5 if you have more pauses.

## Ending a call

To end the call.

## Receiving a call

To receive a call the power must be switched on.  
For best reception fully extend the antenna.

When you receive a call you will hear a ringing tone, a flashing "INCOMING" message will be displayed and the incoming indicator will flash.

INCOMING

any key except or To answer the call.

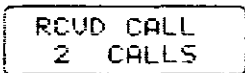
To reject the incoming call press .

## Calling Line Identification (CLI)
















This feature allows you to identify incoming calls and accept or reject the call. The last twelve digits of the caller's telephone number will be displayed on the second line.

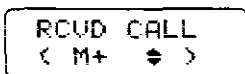
## Unanswered calls

When an incoming call is unanswered the telephone will automatically store the caller's telephone number, if available. A message will show the number of unanswered calls that have been received. When the space available for the unanswered callers' telephone numbers is full the next caller's telephone number will overwrite the oldest information.



## Recall unanswered calls

1.     
To recall memory.
2.   or   
To display "RCVD CALL"
3.     
To select "RCVD CALL"
4.   or   
To display the telephone numbers of unanswered calls.
5.     
To make the call.



## Operation during conversation


### Memo pad

This feature is used to enter a telephone number during conversation which you may wish to dial later.

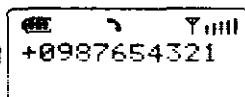
The Automatic International Access Code and pause dial can be included.

Storing a new telephone number overwrites the old number in the memo pad.

### Memo pad store — during conversation

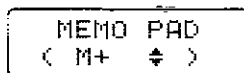
 telephone number (up to 32 digits excluding "+")

This telephone number is automatically stored when the call ends.



## Make a call using memo pad

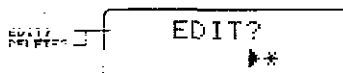
1. **[F] [M]**  
To recall memory.
2. **[F] [M] or [M]**  
To display "MEMO PAD".
3. **[F] [M]**  
To select "MEMO PAD".
4. **[F] [M]**  
To make the call.



## Edit memo pad

When memo pad information is edited it will be stored in the phone book or fixed dial memory, refer to "Store a number" – page 18.

1. **[F] [M]**  
To recall memory.
2. **[F] [M] or [M]**  
To display "MEMO PAD".
3. **[F] [M]**  
To select "MEMO PAD".
4. **[F] [M]**  
To select the memo pad options.
5. **[F] [M] or [M]**  
To display "EDIT?".
6. **[F] [M]**  
To select "EDIT?".
7. **[F] name tag**  
For alpha entry, refer to "Alpha entry" – page 14.



- When you have finished editing the name tag or if you do not wish to edit the name tag press **[M]**.
8. **[F] telephone number**  
To clear the last digit press **[C]** once.  
To clear all the digits press **[C]** and hold.
  9. **[F] [M]**  
To store the telephone number.
  10. **[F] [M] or [M]**  
To select "PHONE BOOK" or "FIXED DIAL".
  11. **[F] location number**  
To store the telephone number.

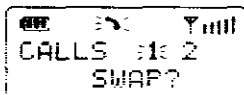
## Delete memo pad

1. To recall memory.
2. or To display "MEMO PAD".
3. To select "MEMO PAD".
4. To select the memo pad options.
5. or To display "DELETE?".
6. To delete memo pad.

## Call hold

It is possible to call another party during your current call by entering the telephone number, or recalling from memory using , and then pressing . Your current call will go on hold.

To swap between waiting calls press , alternatively press or to display "SWAP?" then press . The call that is currently holding will be displayed as a flashing number.  
Example: Call 1 is holding and call 2 is the current call.



To end a call press or to display "END 1?" or "END 2?" and then press to end the currently displayed call.

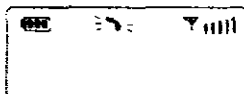
To end both calls press .

## Put a call on hold



To put the call on hold.

A flashing call in progress indicator () tells you that the current call is on hold.



## Cancel call hold



To resume your current call.




## DTMF tones



It is possible to send DTMF tones without using the pause dial feature.

**DTMF numbers**

To send DTMF tones.

A number can be recalled from memory and sent as DTMF tones.

Recall the number from memory using , refer to "Recall using location number" – page .

1.     

To send the first digits before any pauses.



2.  

To send any digits after the pauses.

Repeat step 2 if you have more pauses.

After DTMF tone transmission you can continue your call.

## Adjusting volumes

Shaded bars indicate levels of volume.

### Keytone volume

Five levels of keytone volume are available. Keytone volume must be adjusted in standby. To turn off the keytone, refer to "Silent keytone" – page 50.



  to decrease


 to increase



### Earpiece volume

Five levels of earpiece volume are available. Earpiece volume must be adjusted during conversation.

  to decrease

 to increase



### Ring volume

Refer to "Adjust ring volume" – page 50.

## Alpha entry

Alpha entry is used in phone book/fixed dial memory and Short Message Service. The number of acceptable characters is dependent on your SIM.

☎ to ☎: Inputs a character, shown below. Each time that the same key is pressed it will display the next character. When a different key is pressed the cursor will move on to the next position.

☎: Moves the cursor right.

☎: Moves the cursor left.

☎: Inserts a space immediately before the cursor.

☎: When using alpha entry it will change the type of special character set: upper case, lower case and other special characters/symbols.

☎ and ☎: Scroll through any special characters.

### Letters assignment to numeric keys

☎	- → . → , → ? → ! → : → * → ' → 1 ↵
☎	A → B → C → a → b → c → 2 ↵
☎	D → E → F → d → e → f → 3 ↵
☎	G → H → I → g → h → i → 4 ↵
☎	J → K → L → j → k → l → 5 ↵
☎	M → N → O → m → n → o → 6 ↵
☎	P → Q → R → S → p → q → r → s → 7 ↵
☎	T → U → V → t → u → v → 8 ↵
☎	W → X → Y → Z → w → x → y → z → 9 ↵
☎	( → ) → / → 0 ↵

## Special characters movement

Character types	Movement by pressing <b>⏪</b> and <b>⏩</b>	
Upper case	<b>⏪</b> ↓	À ↔ Á ↔ Â ↔ Ã ↔ Ä ↔ Å ↔ Æ ↔ Ç ↔ È ↔ É ↔ Ê ↔ Ë ↔ Ì ↔ Í ↔ Î ↔ Ï ↔ Ñ ↔ Ò ↔ Ó ↔ Ô ↔ Õ ↔ Ö ↔ Ø ↔ Ù ↔ Ú ↔ Û ↔ Ü ↔ Ý ↔ Þ ↔ ß ↔ à ↔ á ↔ â ↔ ã ↔ ä ↔ å ↔ æ ↔ ç ↔ è ↔ é ↔ ê ↔ ë ↔ ì ↔ í ↔ î ↔ ï ↔ ñ ↔ ò ↔ ó ↔ ô ↔ õ ↔ ö ↔ ø ↔ ù ↔ ú ↔ û ↔ ü ↔ ý ↔ þ ↔ ß
Lower case	<b>⏪</b> ↓	à ↔ á ↔ â ↔ ã ↔ ä ↔ å ↔ æ ↔ ç ↔ è ↔ é ↔ ê ↔ ë ↔ ì ↔ í ↔ î ↔ ï ↔ ñ ↔ ò ↔ ó ↔ ô ↔ õ ↔ ö ↔ ø ↔ ù ↔ ú ↔ û ↔ ü ↔ ý ↔ þ ↔ ß
Other	<b>⏪</b> ↓	À ↔ Ç ↔ è ↔ ì ↔ ò ↔ ß ↔ ù ↔ ¡ ↔ ¡ ↔ ; ↔ ? ↔ ¿ ↔ " ↔ ' ↔ , ↔ . ↔ : ↔ ; ↔ & ↔ ( ↔ ) ↔ < ↔ > ↔ £ ↔ \$ ↔ ¥ ↔ * ↔ # ↔ + ↔ - ↔ = ↔ / ↔ % ↔ @ ↔ § ↔ ¨ ↔ ¶ ↔ Γ ↔ Δ ↔ Θ ↔ Λ ↔ Ξ ↔ Π ↔ Σ ↔ Φ ↔ Ψ ↔ Ω

## Entering alphanumerics

Example: Home

1. **⏪** **⏩** twice

To select the letter "H".

2. **⏪** **⏩** six times

To select the letter "o".

3. **⏪** **⏩**

To move the cursor to the next position.

4. **⏪** **⏩** four times

To select the letter "m".

5. **⏪** **⏩** five times

To select the letter "e".

## Entering Greek/special characters

1. **⏪** **⏩** or **⏪**





To scroll through available characters/symbols.

To select another type of special character set press **⏪**.










2. **⏪** **⏩**

To move the cursor to the next position.

## Editing alpha entry

-  Deletes one character above the cursor.
-  and hold. Clears the entire entry.
-  Moves the cursor left.
-  Moves the cursor right.

**Example:** Modify "Hone" to "Home".

1.   or   
To move the cursor onto the error.
2.    
To delete the character above the cursor.
3.    
To insert a space.
4.   four times  
To select the letter "m".

Hone

Home

# Memory

## Phone book / fixed dial memory

It is possible to store telephone numbers in two types of memory.

**PHONE BOOK:** Allows you to store frequently dialled telephone numbers with a name tag so that the telephone numbers can be recalled quickly and easily.

**FIXED DIAL:** If the security function "FIXED DIAL" is on it is possible to make a call manually or from phone book, calls can only be made from fixed dial memory, refer to "Memory type — memory security" — page 29. Fixed dial memory is not available on all SIMs.

The number of locations, length of name tag and number of digits for a telephone number are dependant on your SIM. Some service provider may supply SIMs that do not have the ability to store any telephone numbers, in these cases it is not possible to select the memory function. Other SIMs may not have the ability to store a name tag with the telephone number, in these cases you will not be asked for a name tag.


## Restricted dialling from memory

Spaces, or wild numbers, can be stored in a telephone number and filled in when the telephone number is recalled from memory. This means that calls can be restricted to a specific area when "FIXED DIAL" is on, refer to "Memory type — memory security" — page 29. The spaces can be anywhere within a stored telephone number.

  and hold

A " \_ " will be displayed to show that this is a space.

+0321\_23\_

When a telephone number that contains spaces is recalled pressing any numeric key will fill a space. Pressing  with this recalled telephone number will only clear spaces.

## Store a number

When using phone book the security must be switched off, refer to "Memory type — memory security" — page 29.

1. To store a number.

2. name tag

For alpha entry, refer to "Alpha entry" — page 14.

When you have entered a name tag or if you do not wish to store a name tag press .

NAME?

3. telephone number

- 4.

To enter the telephone number.

PHONE NO?

5. or

To select "PHONE BOOK" or "FIXED DIAL".

PHONE BOOK  
01-99 MR ↕

6. location number

To store the telephone number.

When the first number of a location is entered the display will show vacant locations in that block. If there are more than ninety-nine locations available, the first two numbers must be entered before the display will show the location information.

### Example:

Vacant locations will be displayed in the range 50 to 59. Occupied memory locations will be shown with "—".

01.345...9  
01-99 ▶5-

The information will be stored at location 50.

STORED  
▶50

If you selected fixed dial memory enter PIN2.

## Auto memory allocation



It is possible to store a number at the first available location by pressing . This can be done at any time when prompted for a location. In this way it is possible to store related numbers in blocks.

## Memory overwrite protection

When an occupied location number is selected, you will be asked if you wish to overwrite existing information.

To overwrite old information press .

OVERWRITE?  
▶50

To store in another location number press , and you will be returned to step 6 in "Store a number". To store in another memory block or memory type continue to press .

## Recall using location number

1.  

To recall memory.

2.   or 

To select "PHONE BOOK" or "FIXED DIAL".


PHONE BOOK  
FIXED DIAL




PHONE BOOK  
01-99 MR

3.  location number

The location number, name tag and telephone number will be displayed.

To review the rest of the name tag press  and hold.

To review the rest of the telephone number press  and hold.

4.   or 

To scroll through the locations.

5.  

To make the call.

## Recall using speed dial

Speed dial is only available for phone book.

1.  location number

Leading zeros may be left out — for example 7 and not 07.

7

2.  

The name tag and telephone number will be displayed.

3.  

To make the call.

## Recall using name tag

1. To recall memory.
2. or To select "PHONE BOOK" or "FIXED DIAL".
3. To search for a name tag.
4. the first letters of the name tag that you wish to find. For alpha entry, refer to "Alpha entry" – page 14. When you have finished entering the first few letters of the name tag that you wish to search for press .
5. or To scroll name tags. To review the rest of the name tag press and hold. To review the rest of the telephone number press and hold.
6. To make the call.

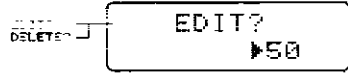


## Edit an entry

Recall an entry by any means described above.

1. **MF** **MB**  
To display the message options.

2. **MF** **0** or **0**  
To display "EDIT?".



3. **MF** **MB**  
To select "EDIT?".

4. **MF** name tag

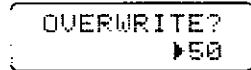
For Alpha entry, refer to "Alpha entry" – page 14.

When you have finished editing the name tag or if you do not wish to edit the name tag press **MB**.

5. **MF** telephone number  
To clear the last digit press **0** once.  
To clear all digits press **0** and hold.

6. **MF** **MB**  
To enter the telephone number.

7. **MF** **MB**  
To overwrite the old information.



To store in another location number press **0**. To store in another memory block or memory type continue to press **0**.

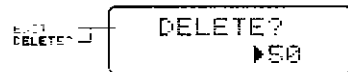
If you selected the fixed dial memory enter PIN2.

## Delete an entry

Recall an entry by any means described above.

1. **MF** **MB**  
To display memory options.

2. **MF** **0** or **0**  
To display "DELETE?".



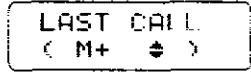
3. **MF** **MB**  
To delete the entry.

If you selected fixed dial memory enter PIN2.

## Last number memory

The last five to ten numbers, depending on your SIM, that were dialled are automatically stored in last number memory. When the memory store is full, the latest number will overwrite the oldest information.

### Recall last number memory



1. To recall memory.
2. or To display "LAST CALL".
3. To select "LAST CALL".  
The last dialled telephone number will be displayed.
4. or To display the required telephone number.  
To review first digits press and hold.  
To review the name tag, if available, press and hold.
5. To make the call.

### Speed dial last number memory

The last number memory is stored in location 0.

1. To display the last dialled number.
2. or To display the required number.
3. To make the call.

## Voice memo

This feature allows you to record a conversation for approximately twenty seconds during conversation and play back the recording during standby. If a different SIM is installed in your telephone the recorded message will be deleted.

### Caution:

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

## Recording


Recording a voice memo will only work during conversation.



To start recording.

≡RECORDING≡

When recording starts a long tone will sound, to inform the other party that recording has started, and the "RECORDING" message will flash. Five seconds before the recording will stop a short tone will sound, to the other party. As the recording stops a long tone will sound, to inform you and the other party that recording has ended, and the "RECORDING" message will disappear.

**NOTE:** Re-pressing  during recording restarts from the beginning. A new recording will overwrite the previous recording.

## Playing

Playing a voice memo will only work during standby.



To start playing.

≡PLAYING≡






A "PLAYING" message will flash.

When playing the recorded voice, you can enter a telephone number.



To dial that number – the voice memo will stop.

## Erasing

1.     
To select voice memo erase.
2.    
To erase voice memo.

ERASE?

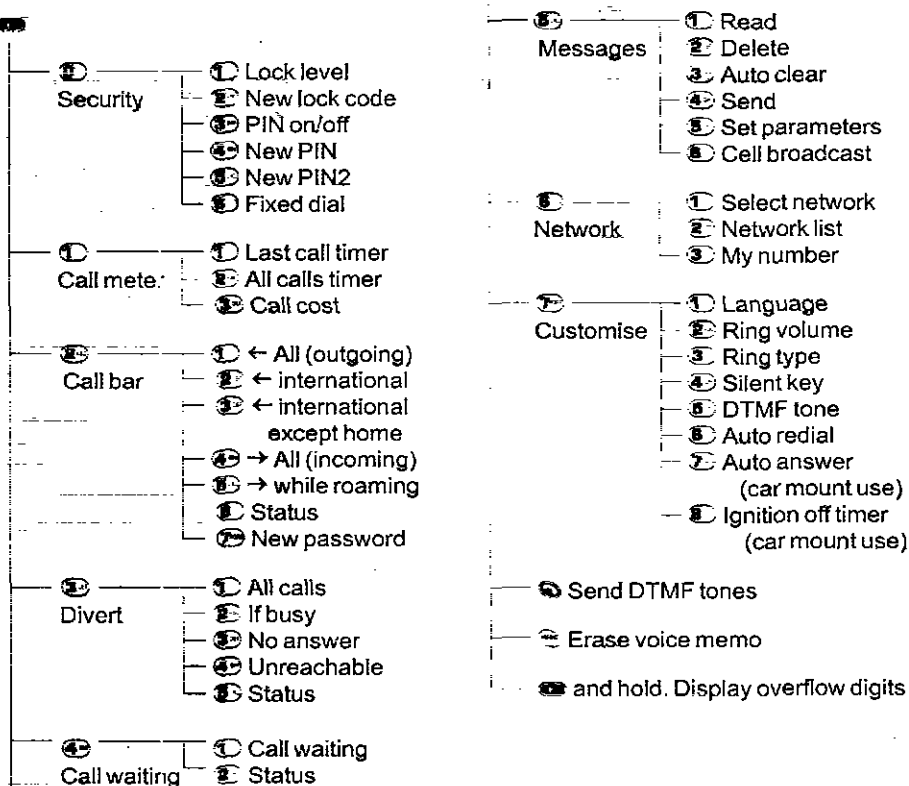
# Function operation

To display the function menu press **☰**. Pressing **1** or **2** will scroll through the available options. Selecting an option is done by pressing the associated function number.

If a menu option is not available, the function number will be displayed as an "X" and cannot be selected. This may be because the telephone is not in a service area, it is being used in a mode that does not support that feature (handheld/car mount) or the SIM being used does not support that feature.

To completely quit the function menu press **☰**.

## Function menu



## Security

For optimum security of your telephone there are three types of security code:

**LOCK CODE:** Controls telephone security.

**PIN:** Controls SIM security.

**PIN2:** Controls memory security.

This function can accept any combination of three types of security above.

When the security is enabled, the PIN followed by  and/or the lock code will be necessary every time the telephone is switched on.

The lock code will also be necessary when a new SIM is used with telephone and security is enabled. This will prevent unauthorised use of your telephone and your SIM. This function will create a highly secure telephone without compromising on usability.

### Set lock — telephone security












The following lock levels are available for telephone security:

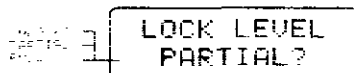
**FULL LOCK:** Prohibits all outgoing calls. Incoming calls may be answered.

**PARTIAL LOCK:** Prohibits all outgoing calls except those made from memory. Incoming calls may be answered.

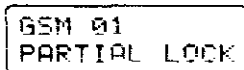
**UNLOCK:** Switches off telephone security. This does not effect SIM security.

**NOTE:** GSM emergency calls can be made and incoming calls can be accepted at all times.

1.      
To select lock level.
2.  the lock code  
To correct errors press .
3.   or   
To display lock levels.
4.    
To set the lock level.



The selected lock level will be displayed during standby. To restore normal operation to the telephone enter the lock code.



## Change lock code

1. **PF** **0 2**  
To select new lock code.
2. **PF** the current lock code  
To correct errors press **0**.
3. **PF** new lock code (four digits)  
To correct errors press **0**.
4. **PF** new lock code  
To verify the new lock code.

LOCK CODE  
-----

VERIFY  
-----

If an incorrect lock code is entered during verification you will be returned to step 3.

## PIN on/off — SIM security

When PIN is enabled it will be necessary to enter the PIN, followed by **0**, every time the telephone is switched on.

1. **PF** **0 3**  
To select PIN on/off.
2. **PF** the PIN (four to eight digits)  
To correct errors press **0**.
3. **PF** **0**  
To switch PIN on or off.

ENTER PIN  
-----

PIN  
ENABLED

## Change PIN

PIN must be enabled to change the PIN.

1.   
To select new PIN
2. the current PIN   
To correct errors press .
3.   
To enter the PIN.
4. new PIN (four to eight digits)   
To correct errors press .
5.   
To enter the new PIN.
6. new PIN   
To verify the new PIN.
7.   
To set the new PIN.

ENTER PIN  
-----

NEW PIN  
-----

VERIFY  
-----

If an incorrect PIN is entered during verification you will be returned to step 4.

## Change PIN2

PIN2 must be enabled to change the PIN2.

1.   
To select new PIN2.
2. the current PIN2   
To correct errors press .
3.   
To enter PIN2.
4. new PIN2 (four to eight digits)   
To correct errors press .
5.   
To enter the new PIN2.
6. new PIN2   
To verify the new PIN2.
7.   
To set the new PIN2.

ENTER PIN2  
-----

NEW PIN2  
-----

VERIFY  
-----

If an incorrect PIN2 is entered during verification you will be returned to step 4.



## Memory type — memory security

It is possible to restrict dialling to fixed numbers only, depending on your SIM.

**FIXED DIAL ON:** Allows you to make calls from fixed dial memory only. It is not possible to make calls manually or from the phone book.

**PHONE BOOK ON:** Allows you to make calls from the phone book, manually and fixed dial memory.

1.    

To select memory security.

2.   or 

To display "PHONE BOOK" or "FIXED DIAL".


FIXED DIAL

FIXED DIAL  
ON?

3.  

To select the memory security type.

4. PIN 2 (four to eight digits)

To correct errors press .

The selected security type will be enabled.

## Call meter

Two types of call timer are available:

**LAST CALL:** Indicates the duration of the last call during standby or that of the current call during conversation. This timer is displayed as a combination of 0-59 minutes and 0-59 seconds and is updated every second.

**ALL CALLS:** Indicates the accumulated duration of incoming calls (shown as "→") and outgoing calls (shown as "+"). This timer is displayed as a combination of 0-99 hours and 0-59 minutes and is updated every minute.

The last call timer may give an indication of the call charge and help calculate your telephone bill.

**NOTE:** This function is set by the user and may not give an accurate reflection of the tariffs charged by the service provider.

## Review last call timer

To select last call timer.

12M 35S

When the call cost is set, the call charge will be displayed on the second line.

## Review all calls timer



To select all calls timer.

Incoming calls are shown by "→".

Example: 1 hour/23 minutes

Outgoing calls are shown by "←".

Example: 34 hours/56 minutes

→ 01H 23M

← 34H 56M

## Reset all calls timer



To select all calls timer.



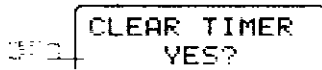
To display all calls timer options.



To display "YES?".



To reset the all calls timer.



## Set/change call cost

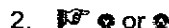
This function allows you to set call charge per minute. The last or current call timer will display call charge by multiplying the set call cost and the call duration.



To select call cost.

The current currency will be displayed.

Example: "\$" is the currency and "123.45" is the call cost per minute.



To display the required currency.



To change to the call cost.

The current call cost will flash. If the call cost has not been set it will not flash.



To correct errors press



To set the call cost.

## Call bar

Call bar is a feature that is controlled by your service provider. It is used to restrict certain outgoing and/or incoming calls. Any combination of outgoing and incoming call restrictions can be set.





This function is controlled by an access password which will be supplied by your service provider. If an incorrect password is entered three times the call bar feature may be revoked.




It is only possible to update or review the call bar status when the telephone is registered to a network. This is because the call bar status is registered with the network and not the telephone.





Five types of call bar are available:



1. ← **ALL**: Restricts all outgoing calls.
2. ← **INTERNAT**: Restricts outgoing international calls.
3. ← **INTxHOME**: Restricts outgoing international calls except those to your home country.
4. → **ALL**: Restricts all incoming calls.
5. → **WHEN ROAM**: Restricts all incoming calls when roaming.


## Set/clear call bar




1.    




To select call bar.
2.   or 

To display each call bar type.
3.  the number of the required call bar
4.   or 

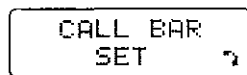
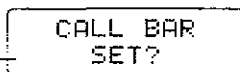
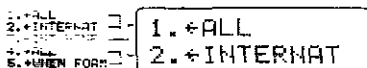
To display "SET?" or "CLEAR?".  
To disable call bar select "CLEAR?".
5.  

To select "SET?" or "CLEAR?".
6.  password
 

To correct errors press .
7.  

To update the call bar status.  
When call bar has been updated.
8.  any key except  and 

To exit.



## Review call bar status

1. **[F] [0] [2] [0]**  
To select call bar status.
2. **[F] [0]**  
To check the call bar status.  
The telephone may take a while to update the current call bar status.
3. **[F] [0] or [0]**  
To see further levels of call bar status including types of teleservices (TSERV) or bearer services (BSERV).
4. **[F] any key except [0], [2], [0] or [0]**  
To exit.

CALL BAR  
STATUS ↵

WHEN ROOM  
SET

## Change password

1. **[F] [0] [2] [0]**  
To select new password.
2. **[F] the current password**  
To correct errors press **[0]**.
3. **[F] new password (four digits)**  
To correct errors press **[0]**.
4. **[F] new password**  
To verify the new password.  
If an incorrect password is entered during verification you will be returned to step 3.
5. **[F] [0]**  
To set the new password.
6. **[F] any key except [0] or [0]**  
To exit.

PASSWORD  
----

VERIFY  
----

SS PASSWORD  
SET ↵

## Divert
























Divert is a feature that is controlled by your service provider. It enables incoming calls to be automatically forwarded to another telephone, not necessarily a GSM telephone.




It is only possible to update or review the divert status when the telephone is registered to a network. This is because the divert status is registered with the network and not the telephone.

Four types of divert are available:

1. **ALL CALLS:** Diverts all calls
2. **IF BUSY:** Diverts if you are busy
3. **NO ANSWER:** Diverts if you do not answer
4. **UNREACH:** Diverts if you are out of service


### Set/clear divert

1.     
To select divert.
2.   or   
To display divert types.
3.  the number of the required divert
4.   or   
To display "SET?" or "CLEAR?".  
To disable call bar select "CLEAR?".
5.    
To select "SET?" or "CLEAR?".  
If you select "CLEAR?" you will go to step 8.
6.  telephone number to where calls will be diverted.
7.    
To set the telephone number.  
  
If you selected "NO ANSWER" press  or  to display the delay time – 5 to 30 seconds in 5 second steps, then press .
8.    
To update divert with the network.  
When divert has been updated.
9.  any key except  or   
To exit.

   1. ALL CALLS  
2. IF BUSY

CALL DIVERT  
SET?

FORWARD NO?

CALL DIVERT  
SET 

## Review divert status

1. **☎ 0 3 5**

To select divert status.

2. **☎ 6**

To check divert status.

CALL DIVERT  
STATUS ↵

The telephone may take a while to update the current divert status.

If you have set "NO ANSWER" press **6** or **7** to display the forward telephone number and delay time.

NO ANSWER  
SET

3. **☎** any key except **0**, **6**, **7** or **☎**

To exit.

## Call waiting

Call waiting may be available on a subscription basis from your service provider. Using this function it is possible to be contacted by another person during your current call.

## Set/clear call waiting

1. **☎ 0 4 1**

To select call waiting.

2. **☎ 6** or **7**

To display "SET?" or "CLEAR?".

To disable call waiting select "CLEAR?".

CALL WAIT  
SET?

3. **☎ 6**

To select "SET?" or "CLEAR?".

4. **☎ 6**

To update call waiting with the network.

CALL WAIT  
STATUS ↵

5. **☎** any key except **6** or **☎**

To exit.

## Review call waiting status

1. **PF** **OK** **END**  
To select call waiting status.
2. **PF** **END**  
To check the current call waiting status.  
The telephone may take a while to update the current call waiting status.
3. **PF** any key except **END**, **OK**, **END** or **END**  
To exit.

CALL WAIT  
STATUS

## Answer a waiting call

When a third party calls you during a conversation a call waiting tone will sound and a message will be displayed, asking you if you wish to accept the incoming call. If the calling line identification is available the last twelve digits of the caller's telephone number will be displayed on the second line.

1. **PF** **END** or **END**  
To display "ACCEPT?".  
To reject the incoming call select "REJECT?".
2. **PF** **END** or **END**  
To accept or reject the incoming call.

ACCEPT  
REJECT

ACCEPT?

When you accept the incoming call the call that is currently waiting will be displayed as the flashing number.  
Example: Call 1 is waiting and call 2 is the current call.

CALLS 1 2  
SWAP?


Pressing **END** during the call waiting tone will end the current call and you will be able to answer the incoming call as a normal call.

## Operation during call waiting



- To end both calls press **END**.
- To swap between waiting calls press **END**, or press **END** or **END** to display "SWAP?" and then press **END**.
- To end a call press **END** or **END** to display "END 1?" or "END 2?" and then press **END** to end the currently displayed call.


## Messages












The Short Message Service (SMS) may be available on a subscription basis from your service provider. Using this service, short text messages (up to 160 characters) can be received, displayed, edited or sent. The number of acceptable messages is dependent upon your SIM.

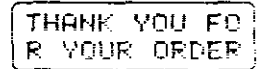
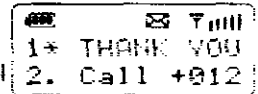
If the message indicator () is flashing your message store is full. To receive new message you will first have to delete some old messages if automatic memory clear is switched off.

### Read a received message

When receiving a message the message indicator () will be displayed and a tone will sound. When the message has been read, the message indicator () will disappear.

A newly received message can be read by pressing  when the display shows "NEW MESSAGE".






-      
To read a short message.
-   or   
To display other messages.  
The first nine characters of each displayed message will be shown.  
Unread messages will be shown with an asterisk "\*" after the message number.
-  message number  
To select the message.
-   or   
To see the rest of the message.

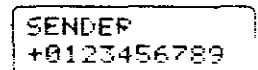


### Return a call

If the message contains a telephone number it is possible to return a call directly or store that telephone number in memory.

Recall a message as shown in "Read a received message".

-   or   
To display "SENDER"
-    
To return the call.





## Store sender's details in memory

Recall a message as shown in "Read a received message".

1. **PF** **0** or **0**  
To display "SENDER".
2. **PF** **MD**  
To display the message options.
3. **PF** **MD**  
To confirm that you wish to store the sender's details.
4. **PF** name tag  
For alpha entry, refer to "Alpha entry" – page 14.  
When you have entered a name tag or if you do not wish to store a name tag press **MD**.
5. **PF** telephone number
6. **PF** **MD**  
To enter the telephone number.
7. **PF** **0** or **0**  
To select "PHONE BOOK" or "FIXED DIAL".
8. **PF** location number  
To store the telephone number

If you selected the fixed dial memory enter PIN2.

STORE  
SENDER'S NO?

## Send a reply message

It is possible to send a reply without entering the destination telephone number when "REPLY REQUESTED" is contained within the received message. This is because the necessary message parameters are sent as part of received message. When "REPLY REQUESTED" is not included in the message a new message must be created or a current message modified.

Recall a message as shown in "Read a received message".

1. **PF** **0** or **0**  
To display "REPLY REQUESTED".
2. **PF** **MD**  
To confirm that you wish to reply to the message.
3. **PF** your message  
For alpha entry, refer to "Alpha entry" – page 14.
4. **PF** **MD**  
To enter the messages.
5. **PF** **0**  
To send the reply.

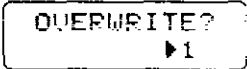
REPLY  
REQUESTED

SEND MESSAGE  
PRESS 7

### Edt received message

Editing and storing a received message allows you to adapt it for your own use. Recall a message as shown in "Read a received message".

1. **RF** **0** or **2**  
To display the message.
2. **RF** **M3**  
To display message options.
3. **RF** **0** or **2**  
To display "EDIT?"
4. **RF** **M3**  
To select "EDIT?"  
The message will be displayed.
5. **RF** message  
For alpha entry, refer to "Alpha entry" – page 14.  
When you have finished editing the message press **M3**.
6. **RF** telephone number  
To clear last digit press **0** once.  
To clear all digits press **0** and hold.  
When you have entered the telephone number or if it is not necessary to modify the telephone number press **M3**.
7. **RF** **M3**  
To overwrite the old information.  
To store in another message location press **0**. Vacant locations will be displayed. Occupied locations will be shown with ".".
8. **RF** an available location  
To store the message.



### Delete received message

Recall a message as shown in "Read a received message".

1. **RF** **0** or **2**  
To display the message.
2. **RF** **M3**  
To display message options
3. **RF** **0** or **2**  
To display "DELETE?"
4. **RF** **M3**  
To delete the message.



## Delete a message manually

1. To select delete a message
2. message number To select the message.
3. To delete the message.

DELETE?  
▶1

## Clear messages automatically

The auto clear function allows a newly received message to overwrite an old message automatically, when the message memory is full.

There are three options for automatically overwriting a message:

**OFF:** Disables this function

**READ:** A new message will overwrite the oldest read message.

**ALL:** A new message will first overwrite the oldest read message and then the oldest unread message.

1. To select automatic clear.
2. or To display clear options.
3. To set the clear options.

OFF  
READ  
ALL

AUTO CLEAR  
READ?

## Create a new message

If you do not set the message parameters, you cannot send a message. refer to "Set parameters" – page 43.

1.    

To create a message.

2.   or 

To display "CREATE NEW MESSAGE?"

CREATE NEW  
MESSAGE?

3.  

To select "CREATE NEW MESSAGE?".


4.  your message

For alpha entry, refer to "Alpha entry" – page 14.

MESSAGE?




5.  

To enter the message.

6.  destination telephone number

7.  

To enter the telephone number.

8.   or 

To display "YES?" or "NO?".

STORE MSG  
YES?

9.  

To select "YES?" or "NO?".


If you select "YES?" vacant locations will be displayed. Occupied locations will be shown with ".".

If you select "NO?" press  to send the message or  to exit.

10.  an available location

To store the message.

If you wish to send the new message press  or press  to exit.

SEND MESSAGE  
PRESS 

When the call is successful "MESSAGE SENT" will be displayed.

## Send a stored message

If you do not set the message parameters, you cannot send a message, refer to "Set parameters" – page 43.

1.
  - To send a message.
2. or
  - To display "SEND STORED MESSAGE?"
3.
  - To select "SEND STORED MESSAGE?".
4. message number
  - To display "SEND STORED MESSAGE?".
5. destination telephone number
  - To display "SEND STORED MESSAGE?".
6.
  - To enter the telephone number.
7. or
  - To display "YES?" or "NO?".
8.
  - To select "YES?" or "NO?".

SEND STORED  
MESSAGE?

If you select "YES?" vacant locations will be displayed. Occupied locations will be shown with " . ".

If you select "NO?" press to send the message or to exit.

9. an available location
  - To store the message.

If you wish to send the new message press or press to exit.

STORE MSG  
YES?

SEND MESSAGE  
PRESS

When the call is successful "MESSAGE SENT" will be displayed.

## Edit a stored message

If you do not set the message parameters, you cannot send a message, refer to "Set parameters" – page 43.

1.   
To edit a stored message.
2. or   
To display "EDIT STORED MESSAGE?"
3.   
To select "EDIT STORED MESSAGE?".
4. message number
5. message  
For alpha entry, refer to "Alpha entry" – page 14.  
When you have finished editing the message press .
6. destination telephone number
7.   
To enter the telephone number.
8. or   
To display "YES?" or "NO?".
9.   
To select "YES?" or "NO?".  
If you select "YES?" vacant locations will be displayed. Occupied locations will be shown with ". ".  
If you select "NO?" press to send the message or to exit.
10. an available location  
To store the message.

SEND STORED  
MESSAGE?

STORE MSG  
YES?

If you wish to send the new message press or press to exit.

SEND MESSAGE  
PRESS

When the call is successful "MESSAGE SENT" will be displayed.

## Set parameters

Three parameters are always required before sending every message:

**Service Centre:** Where all messages are sent to before they are sent on to their destination. It is a little like a post sorting room for normal mail. The number of the Service Centre may be pre-programmed, depending on your SIM. In this case it will not be necessary to enter the Service Centre number using this function. If the Service Centre number is not pre-programmed in your SIM every time a different SIM is inserted the Service Centre number will be lost.

**Validity period:** The length of time that the Service Centre will attempt to re-send your message.

**Destination:** The telephone number of the person to whom you wish to send your message.

### Service Centre

1. **[F] [0] [5] [5]**  
To select message parameters.
2. **[F] [0] or [0]**  
To display "SERV. CENTRE".  
"SERV. CENTRE" will flash.
3. **[F] [0] or [0]**  
To change the Service Centre number.  
The current Service Centre number will flash.
4. **[F]** the Service Centre number
5. **[F] [0]**  
To set and exit.

SERV. CENTRE  
+0567891234

SERV. CENTRE  
+0567891234

If you wish to modify another parameter press **[\*]** or **[#]** until "SERV. CENTRE" flashes then press **[0]** or **[0]**.

## Validity period

If you are already in the parameter selection begin with step 2.

- 1.

To select message parameters.

2. or

To display "PERIOD".  
"PERIOD" will flash.

PERIOD DAY  
01-30 ▶03

3. or

To change the validity period.

Example: The validity period has a range of 1 to 30 days  
and is set to 3 days.

PERIOD DAY  
01-30 ▶03

4. or

To select "DAY", "WEEK", "HOUR" or "MINUTE".

The validity period is only set as "DAY", "WEEK", "HOUR" or "MINUTE" and  
not a combination of each, for example it cannot be set as 1 day and 7 hours.

5. the required period

The range for the validity period will be displayed on the second line.

- 6.

To set and exit.

If you wish to modify another parameter press or until "PERIOD" flashes  
then press or .

## Destination

If you are already in the parameter selection begin with step 2.

- 1.

To select message parameters.

2. or

To display "PHONE NO".

"PHONE NO" will flash.

PHONE NO:  
+0112233445

3. or

To change the destination telephone number.

The current destination telephone number will flash.

PHONE NO  
+0112233445

4. the destination telephone number

- 5.

To set and exit.























If you wish to modify another parameter press or until "PHONE NO"  
flashes then press or .

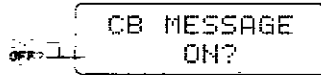


## Receive cell broadcast

The cell broadcast service may be available on a subscription basis from your service provider. Using this service, you can receive cell broadcast messages such as weather forecasts or traffic information from your network during standby.

It is possible to receive preferred cell broadcast messages by entering cell broadcast codes to the cell broadcast list.

1.     
  - To select cell broadcast.
2.   or 
  - To display "ON?" or "OFF?".
  - To disable cell broadcasts select "OFF?".
3.  
  - To select "ON?" or "OFF?".
4.  
  - To display the cell broadcast list.
5.   or 
  - To display the cell broadcast list.
6.   or 
  - To select the list number.
7.  new cell broadcast code
  - If you make an error press .
8.  
  - To store the cell broadcast code.












## Networks

You can automatically or manually select a network. You may also use your telephone on networks that you do not subscribe to. This is known as ROAMING.

**NOTE:** Roaming between GSM systems in the same country (National Roaming) may not be permitted by National Law.

### Set network selection

1.      
To select network selection.
2.   or   
To display available networks.
3.    
To select the displayed network.

SELECT NET  
GSM 01?

## Program/review network list

By storing the preferred networks in the network list, the telephone will first attempt to register with a listed network.

At least eight networks can be programmed depending on your SIM.

1. **[F] [0] [0] [0]**

To select the network list.

A network will be displayed with the country initial(s) and the abbreviated network name. The position in the network list will flash.

2. **[F] [0] or [0]**

To select a list number you wish to program or review.

02 GSM 01  
GSM2

3. **[F] [0]**

To modify the selected network.

4. **Selection by country and network code**

**[F]** the country code (3 digits) and the network code (2 digits).

02 001 04

To return to the list number selection, press **[\*]** before entering the fifth digit.

OR

### Selection by country

**[F] [0] or [0]**

The country initial(s) will be displayed.

02 GSM

**[F] [0]**

To select the first abbreviated network name in that country.

**[F] [0] or [0]**

To scroll through the abbreviated network names in that country.

5. **[F] [\*] or [0]**

To position that network in the network list.

The position in the network list will flash. To modify another position

press **[0]** or **[0]**.

02 GSM 04  
GSM4

6. **[F] [0]**

To set the current network list.




## Review/edit your telephone number

This function allows you to review and edit your own telephone number – for example telephone, fax and data – depending on your SIM.

**NOTE:** This function will not change the telephone number assigned to you by your service provider.

1.    

To select your telephone number.

2.   or 




To display a name tag and telephone number.

To review the rest of the name tag press  and hold.

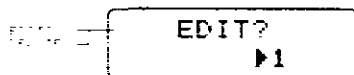
To review the rest of the telephone number press  and hold.

3.  

To edit.

4.   or 

To display "EDIT?" or "DELETE?".




5.  

To select "EDIT?" or "DELETE?".

A flashing name tag will be displayed or when you select "DELETE?" the telephone number will be cleared.

6.  new name

For alpha entry, refer to "Alpha entry" – page 14.


When you have modified the name tag or if it is not necessary to modify the name tag, press .

7.  new telephone number

8.  

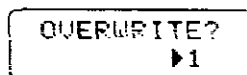
To enter the new telephone number.

To clear last digit, press  once.

To clear all digits, press  and hold.

9.  

To overwrite old information.



Vacant locations will be displayed. Occupied locations will be shown with ". ".

To store in another location, press  and then the location number.

**Program your telephone number**

1.   
To select your telephone number.
2. or   
To display a vacant location number.
3.   
To select the location number.
4. name  
For alpha entry, refer to "Alpha entry" – page 14.  
When you have modified the name or if it is not necessary to modify the name, press .
5. telephone number
6.   
To store the new information.

**Customise****Select language**

All messages on the display can be shown in one of thirteen languages: Danish, Dutch, English, Finnish, French, German, Greek, Italian, Norwegian, Portuguese, Spanish, Swedish and Turkish.

1.   
To select language.
2. or   
To display each language.  
To change the position of the language in the preferred language list press or and current position will flash. To move this language up or down the preferred language list press or .
3.   
To select the displayed language.

LANGUAGE  
SET

## Adjust ring volume

Five levels of ring volume are available. This setting is retained after turning the power off.

1. To select ring volume.
2. to decrease  
 to increase  
To silence the volume, press until all bars are empty.
3. To set the ring volume.

RING VOLUME  
L ■■■■■ H

## Select ring type

Three ring types are available.

1. To select ring type.
2. or To select a ring type.  
As each ring type is displayed an example will be heard.
3. To set the ring type.

RING TYPE  
2?

## Silent keytone

DTMF tones can be sent while this function is switched on.

1. To select silent keytone.
2. or To display "ON?" or "OFF?".  
If you select "ON?" keytone will be silent.
3. To set silent keytone.

SILENT KEY  
ON?

## Select DTMF tones type

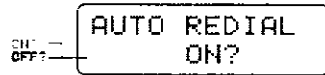
You can select long or short DTMF tones. The DTMF tones can also be switched off.

1. **[F] [0] [2] [5]**  
To select DTMF tones.
2. **[F] [0] or [0]**  
To display DTMF tones types.
3. **[F] [0]**  
To set the displayed DTMF tones type.



## Set auto redial

1. **[F] [0] [2] [5]**  
To select auto redial.
2. **[F] [0] or [0]**  
To display "ON?" or "OFF?".
3. **[F] [0]**  
To set auto redial.



## Battery information

### Battery specifications

	Battery life			
	Battery pack (S) 550mAh Ni-MH	Battery pack (M) 580mAh Ni-Cd	Battery pack (XM) 850mAh Ni-MH	Battery pack (L) 1200mAh Ni-Cd
Standby time				
Ideal	≈ 24 hours	≈ 24 hours	≈ 36 hours	≈ 50 hours
Typical	≈ 14 to 18 hours	≈ 14 to 18 hours	≈ 21 to 27 hours	≈ 33 to 42 hours
Talk time	≈ 80 minutes	≈ 80 minutes	≈ 120 minutes	≈ 160 minutes

**NOTE:**

1. A range of standby times has been quoted as battery life will be affected by the network you are using and the operating conditions.
2. Battery life is affected if the battery pack is not fully discharged before recharging ("Memory Effect"). This is inherent in all Ni-MH and Ni-Cd batteries.  
To ensure maximum efficiency it is recommended that the battery pack is discharged until the low battery warning is heard, or seen, before recharging

### Battery fitting and removing

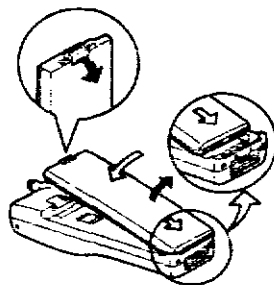
Switch off the telephone and turn face downwards.

#### Fitting the battery pack

- ① Insert the hooks at the bottom of the battery pack into the slots at the bottom of the telephone.
- ② Push the battery pack towards the telephone until the battery release latch clicks into place.

#### Removing the battery pack

- ① Push the battery release latch down.
- ② Lift the battery pack away from the telephone.





## Low battery during use

When the battery power is low, the battery indicator will show as follows:

- ☐: Replace the battery pack with fully charged one soon.
- ☐: A low battery tone will sound and the "LOW BATTERY" message will flash. The power will automatically shut off after the battery warning.

## Low battery during conversation

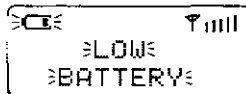
1. Finish your call immediately.
2. Charge the battery pack or replace with a fully charged battery pack.



## Low battery during standby

All incoming calls will be rejected and attempts to make a call will fail.

Charge the battery pack or replace with a fully charged battery pack.



## Battery charging

A fast charger is built into your telephone.

The battery pack can be charged by connecting the telephone to the mains supply through the AC adaptor.

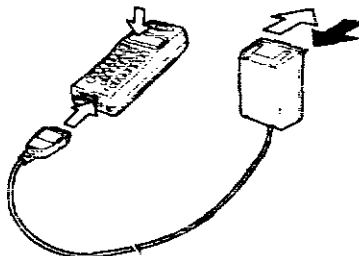
Charge time			
Battery pack (S)	Battery pack (M)	Battery pack (XM)	Battery pack (L)
≈ 80 minutes	≈ 80 minutes	≈ 130 minutes	≈ 180 minutes

**NOTE:** Charge time will be longer if the telephone is turned on, or affected by ambient temperature.

## Charge the battery pack

**Make sure that the battery pack is fitted onto the telephone.**

- ① Connect the AC adaptor to the telephone with the telephone and label on the connector both facing upwards.
- ② Connect the AC adaptor to the mains supply. When connecting the AC adaptor to the mains supply the socket outlet shall be installed near the wall and easily accessible.
- ③ Charging will begin immediately.



The battery indicator will show the type of charging:

	Charging in progress	Charging complete
Telephone is on		
Telephone is off		OFF

You can use the telephone while charging the battery pack. However, the charge time will be longer.

- ④ When charging is complete remove the AC adaptor from the mains supply and then the telephone. To remove the AC adaptor from the telephone press the lock buttons on both sides of the connector. **DO NOT** force the connector as this may damage the telephone and/or AC adaptor.

## SIM fitting and removing

The SIM fits into a holder at the back of the telephone covered by the battery pack.

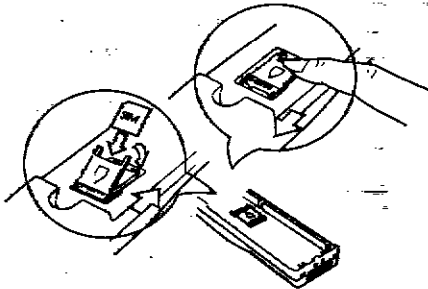
**NOTE:** DO NOT touch the gold contacts as this may cause damage to the SIM.

### Fitting the SIM

- ① Remove the battery pack.
- ② Slide the SIM card holder in direction of the arrow and hinge open.
- ③ Insert the SIM into the SIM card holder and close.
- ④ Slide the SIM card holder in the opposite direction of the arrow, until it locks into position.
- ⑤ Replace the battery pack.

### Removing the SIM

Removal is the reverse of fitting.



# Appendix

## Glossary of terms

<b>Bearer service</b>	GSM services for the transmission of data. For more information about Bearer services see "Teleservices and Bearer services" below or contact your network operator.
<b>DTMF</b>	Dual Tone Multiple Frequency tones. The digit keys 0 to 9, * and # will generate different DTMF tones when pressed during conversation. These are used to access voice mail, paging and computerised home banking.
<b>GSM</b>	Global System for Mobile communications. The name given to the advanced digital technology that your telephone uses.
<b>GSM network</b>	The cellular network on which your GSM telephone will operate. Each country supporting the GSM system will have at least one network.
<b>Home country</b>	The country where your home network operates.
<b>Home network</b>	The GSM network on which your subscription details are held.
<b>Lock code</b>	Used for security of your telephone. Factory set to "0000".
<b>Network operator</b>	The organisation responsible for operating a GSM network. Each network will have a different network operator.
<b>Password</b>	Used for the control of the call bar function. Supplied by your service provider.
<b>PIN</b>	Personal Identification Number used for SIM security. Supplied by your service provider.
<b>PIN2</b>	Personal Identification Number used for the control of the fixed dial memory. Supplied by your service provider.
<b>PUK</b>	PIN Unblocking Key. A PIN will become blocked if the wrong PIN is entered 3 times. Supplied by your service provider.
<b>PUK 2</b>	PIN 2 Unblocking Key. A PIN2 will become blocked if the wrong PIN2 is entered 3 times. Supplied by your service provider.
<b>Registration</b>	The act of locking on to a GSM network. This is usually performed automatically by your telephone.
<b>Roaming</b>	The ability to use your telephone on networks other than your Home network.
<b>Service provider</b>	The organisation responsible for providing access to the GSM network.
<b>Short Message Service</b>	A feature by which short text messages can be received, displayed, sent and stored. May be available on a subscription basis from your service provider.
<b>SIM</b>	Subscriber Identification Module. A small smart-card which stores unique subscriber information. It also holds other user entered information such as phone book, fixed dial memory and short messages. Supplied by your service provider.

Supplementary services	Network controlled GSM functions which your telephone will support. Supplementary services may only be available on a subscription basis.
Teleservice	GSM services for the transmission of speech, short messages and data. For more information about Teleservices see "Teleservices and Bearer services" below contact your network operator.

## Teleservices and Bearer services

### Teleservice code

- 1x Speech
- 2x SMS
- 0x Fax

Where "x" can be any number from 0 to 9.

### Bearer service code

- 2x Asynchronous data
- 3x Synchronous data
- 4x PAD access
- 5x Data packet

Where "x" can be any number from 0 to 9.

For more information about Teleservices and Bearer services contact your network operator.

## Security codes

It is recommended that you memorise the following security codes.

If you forget these codes, or need further information, contact your service provider for PIN, PIN2, PUK, PUK2 or password and your dealer for lock code.


<b>Code type</b>	<b>Number of digits</b>	<b>Description</b>
<b>Personal Identification Number (PIN)</b>	4 to 8	Controls SIM security. Supplied by the service provider.
<b>PIN2</b>	4 to 8	Controls fixed dial memory security. Supplied by the service provider.
<b>PIN/PIN2 Unblocking Key (PUK/PUK2)</b>	8	Used to unblock PIN and PIN2. A PIN or PIN2 will become blocked if the wrong PIN or PIN2 is entered 3 times. When the blocked PIN or PIN2 is unblocked, a new PIN or PIN2 must be entered. If the wrong PUK is entered 10 times, your SIM will be unusable. If the wrong PUK2 is entered 10 times fixed dial memory will be unusable. Supplied by the service provider.
<b>Password</b>	4	Controls the call bar function. If incorrect password is entered 3 times, this service will be revoked. Supplied by the service provider.
<b>Lock code</b>	4	Controls telephone security. Factory-set to "0000".

## Trouble shooting

Should any of the problems persist contact your dealer.

Problem	Causes and solutions
Telephone will not turn on	Check that the battery pack is fully charged and correctly connected to the telephone.
Calls cannot be made	Calls cannot be made when the full lock, partial lock or outgoing calls barring is enabled, refer to "Set lock — telephone security" — page 26 — or "Set/clear call bar" — page 31. Also check that the telephone is registered to a network. Move to a radio coverage area and operate your telephone after it has registered with a network.
Calls cannot be received	Calls cannot be received when incoming call barring is enabled, refer to "Set/clear call bar" — page 31.
Emergency calls cannot be made	Check that the antenna symbol (Y) is displayed. Move to a GSM coverage area and operate your telephone after the antenna symbol (V) is displayed. It may not be possible to make a call on uneven terrain or in close proximity to large buildings.
Memories cannot be recalled	Memory cannot be recalled when the full lock or the Fixed dial of the security function is enabled, refer to "Set lock — telephone security" — page 26 — or "Memory type — memory security" — page 29.
Calls cannot be made from the fixed dial memory	There are no telephone numbers stored in fixed dial memory or your SIM does not support fixed dial memory.

## Error messages

<b>AREA NOT ALLOWED</b>	Roaming in the selected area is not allowed.
<b>BLACKLIST FULL</b>	Blacklist of unsuccessfully redialled numbers is full. Turn the power off and then on again.
<b>LOCK CODE INVALID</b>	A wrong lock code has been entered. Re-enter the correct lock code.
<b>LOW BATTERY</b>	The battery power is low. Replace with a fully recharged battery pack or recharge the battery pack.
<b>MESSAGE REJECTED</b>	A message has been received but the message memory is full. To receive messages, delete some of the currently stored messages or set the message to automatically clear.
<b>NETWORK ERROR</b>	The message sent has failed because of a network error. Wait for a short while and retry.
<b>NETWORK NOT ALLOWED</b>	Roaming with the selected network is not allowed.
<b>NETWORK REJECTED</b>	The supplementary service requested has been rejected by the network operator because of system failure. Wait for a short while and retry.
<b>NO SIM PRESENT</b>	The telephone has not detected a SIM. If a SIM is present, remove and then replace it.
<b>NOT ALLOWED</b>	Entered security code does not have enough digits. Re-enter appropriate digits.
<b>NOT FOUND</b>	There is no corresponding name tag found. To clear this display press  .
<b>NUMBER MAX = xx</b>	The entered telephone number is too long. The maximum length telephone number that your SIM can store is "xx".
<b>PASSWORD INVALID</b>	A wrong password has been entered. Re-enter the correct password.
<b>PIN BLOCKED/ PIN2 BLOCKED</b>	The PIN/PIN2 is blocked because the wrong PIN/PIN2 has been entered three times. To unblock the PIN/ PIN2 enter PUK/PUK2. When the PIN/PIN2 is unblocked a new PIN/PIN2 must be entered.
<b>PIN INVALID/ PIN2 INVALID</b>	A wrong PIN/PIN2 has been entered. Re-enter the correct PIN/PIN2.
<b>PIN2 INVALIDATED</b>	The PIN2 is blocked permanently because the wrong PUK 2 has been entered ten times. Supplementary service controlled by PIN2 cannot be used. Contact your service provider.
<b>PLEASE RETRY</b>	The supplementary service request has failed temporarily. Try again.
<b>PUK INVALID/ PUK2 INVALID</b>	A wrong PUK/PUK2 has been entered. Re-enter the correct PUK/PUK2.



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 an error with the SIM. Turn the power off and then back on. If the message does not disappear contact your service provider.
STORE FULL	There are no empty memory locations available. Delete an entry from memory or overwrite old information.
SUBSCRIPTION REVOKED	The supplementary service requested is revoked because the wrong password has been entered four times. Contact your service provider.
VACANT	There is no information in the memory location that you selected. To clear this display press <b>0</b> .
XX XXXXX X XXXX	This is a code that indicates a permanent error in the telephone. Turn the power off and then back on. If the message does not disappear, contact your dealer.

## Telephone specifications

Type	GSM Class 4			
SIM type	Plug in only			
Temperature range	+5°C to +35°C			
Charging	-20°C to +60°C			
Storage				
	Battery pack (S)	Battery pack (M)	Battery pack (XM)	Battery pack (L)
Weight	198 g	220 g	220 g	245 g
Dimensions				
Height	142 mm	142 mm	142 mm	142 mm
Width	46 mm	46 mm	46 mm	46 mm
Depth	24 mm	29 mm	29 mm	36 mm
Supply voltage	4.8V, 550mAh Ni-MH	4.8V, 580mAh Ni-Cd	4.8V, 850mAh Ni-MH	4.8V, 1200mAh Ni-Cd
Battery charge time	≈ 80 minutes	≈ 80 minutes	≈ 130 minutes	≈ 180 minutes
Battery life				
Standby time				
Ideal	≈ 24 hours	≈ 24 hours	≈ 36 hours	≈ 50 hours
Typical	≈ 14 to 18 hours	≈ 14 to 18 hours	≈ 21 to 27 hours	≈ 30 to 38 hours
Talk time	≈ 80 minutes	≈ 80 minutes	≈ 120 minutes	≈ 160 minutes

**NOTE:**

1. Charge time will be longer when the telephone is turned on.
2. A range of standby times has been quoted as battery life will be affected by the network you are using and the operating conditions.
3. Battery life is affected if the battery pack is not fully discharged before recharging ("Memory Effect"). This is inherent in all Ni-MH and Ni-Cd batteries.

To ensure maximum efficiency it is recommended that the battery pack is discharged until the low battery warning is heard, or seen, before recharging.

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1. The first part of the document discusses the importance of maintaining accurate records of all transactions. This includes not only sales and purchases but also any other financial activities that may occur during the course of the business.

2. It is essential to ensure that all records are kept in a secure and accessible location. This may involve using a combination of physical and digital storage methods to protect against loss or theft of data.

3. Regular audits and reconciliations should be performed to verify the accuracy of the records. This helps to identify any discrepancies or errors early on, allowing for prompt correction and ensuring the integrity of the financial information.

4. The second part of the document focuses on the importance of maintaining up-to-date financial statements. These statements provide a clear and concise overview of the company's financial performance over a specific period.

5. Key financial statements include the balance sheet, income statement, and cash flow statement. Each of these statements provides different insights into the company's financial health and is essential for making informed business decisions.

6. It is crucial to ensure that these statements are prepared accurately and on a regular basis. This allows management to track progress, identify trends, and make adjustments as needed to improve the company's financial performance.

7. Finally, the document emphasizes the importance of transparency and communication when it comes to financial reporting. Providing clear and accurate information to stakeholders, including investors and creditors, is essential for building trust and maintaining the company's reputation.

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EB-C400



89/336/EEC  
91/263/EEC

EB-CA470



73/23/EEC  
89/336/EEC  
93/48/EEC

Printed in the U.K.  
ZD70741D