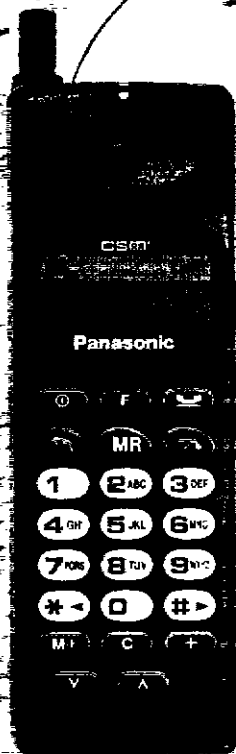


Panasonic

Operating Instructions

EB-G350S
Digital Cellular
Telephone



GSM

Before operating this product please read
these instructions carefully.

Basic Main Kit Composition

Main Unit (Telephone)
EB-G350



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.

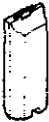


Carry Case – EB-YK400



Battery Pack (L)

–EB-BM400A



Battery Pack (XM)

–EB-BX400



Battery Pack (M)

–EB-BS350



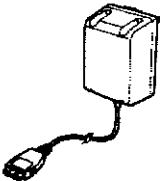
Battery Pack (S)

–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 G350 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.

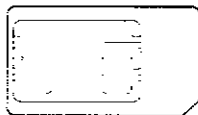
The GSM System

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 53) and a charged battery pack fitted (refer to "Battery Information" – page 50).

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.

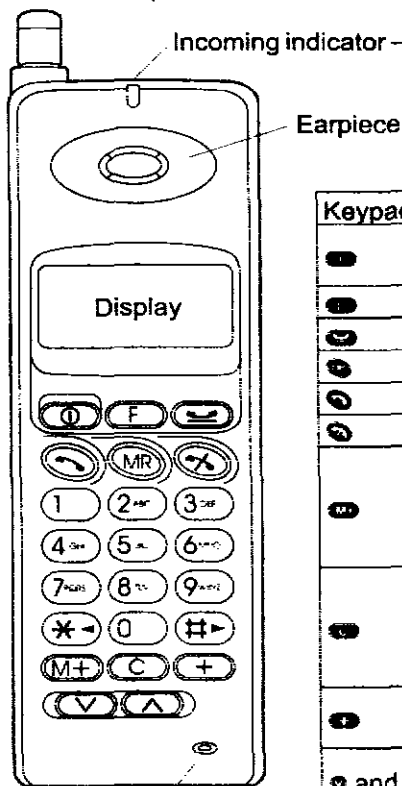
Cleaning

- 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.

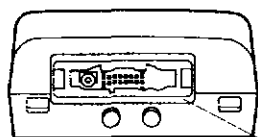
Your telephone

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.



Microphone

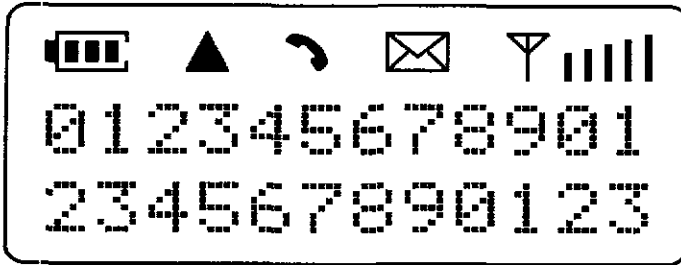


External connector

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.
	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

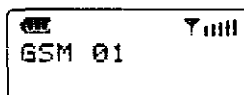
Power on

 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 24. 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

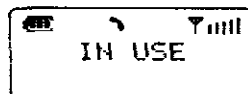
For best reception fully extend the antenna.

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.

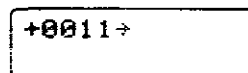


Overflow digits display

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

  and hold

First digits will be displayed.

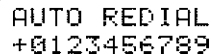


Automatic redial

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 49. 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.

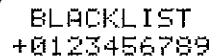
To cancel while auto redialling is in progress press any key.



AUTO REDIAL
+0123456789

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.



BLACKLIST
+0123456789

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.



BLACKLIST
FULL

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.

Press    .

To make an emergency call.



EMERGENCY

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 effect 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.

+0000

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. teleph one 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 .

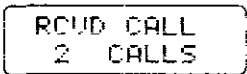
Calling Line Identification (CLI)

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.

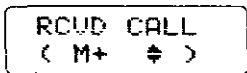
Unanswered calls

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.

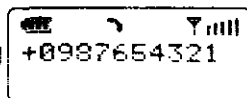
The Automatic International Access Code and pause dial can be included.

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

Memo pad store — during conversation

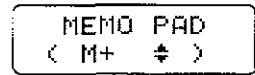
 telephone number (up to 32 digits excluding "+")

This telephone number is automatically stored when the call ends.



Make a call using memo pad

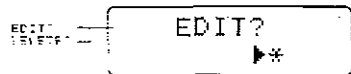
1. To recall memory.
2. or To display "MEMO PAD".
3. To select "MEMO PAD".
4. To make the call.



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. 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 "EDIT?".
6. To select "EDIT?".
7. 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 .
8. telephone number
To clear the last digit press once.
To clear all the digits press and hold.
 9. To store the telephone number.
 10. or To select "PHONE BOOK" or "FIXED DIAL".
 11. location number
To store the telephone number.

Delete memo pad

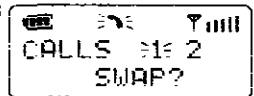
1. To recall memory.
2. or To display "MEMO PAD".
3. To select "MEMO PAD".
4. To select the memo pad options.
5. or To display "DELETE?".
6. To delete memo pad.

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.

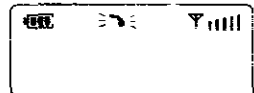
To end both calls press .

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.

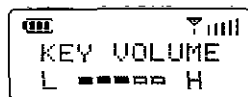
Adjusting volumes

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 48.

-   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 47.

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  and 
Upper case	  Å ↔ Ä ↔ Æ ↔ É ↔ Ñ ↔ Ö ↔ Ü ↔ Ø ↵
Lower case	  ä ↔ á ↔ æ ↔ é ↔ ñ ↔ ö ↔ ü ↔ ø ↵
Other	  à ↔ Ç ↔ è ↔ ì ↔ ó ↔ 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 27. Fixed dial memory is not available on all SIMs.

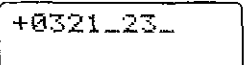
The number of locations, length of name tag and number of digits for a telephone number are dependent on your SIM. Some service provider may supply SIMs that do not have the ability to store any telephone numbers, in these cases it is not possible to select the memory function. Other SIMs may not have 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 27. The spaces can be anywhere within a stored telephone number.

  and hold

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



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 27.

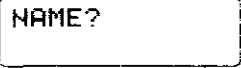
- 1.

To store a number.

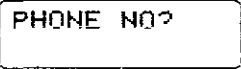
2. name tag

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 .



3. telephone number



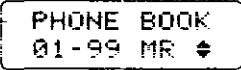
- 4.

To enter the telephone number.

5. or

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

PHONE BOOK



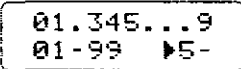
6. location number

To store the telephone number.

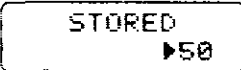
When the first number of a location is entered the display will show vacant locations in that block. If there are more than ninety-nine locations available, the first two numbers must be entered before the display will show the location information.

Example:

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



The information will be stored at location 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.

www.nokia.com/fin

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 **MEM**.

OVERWRITE?
▶50

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

Recall using location number

1. **MEM** **MEM**
To recall memory.
2. **MEM** **MEM** or **MEM**
To select "PHONE BOOK" or "FIXED DIAL".
3. **MEM** location number
The location number, name tag and telephone number will be displayed.
To review the rest of the name tag press **MEM** and hold.
To review the rest of the telephone number press **MEM** and hold.
4. **MEM** **MEM** or **MEM**
To scroll through the locations.
5. **MEM** **MEM**
To make the call.

PHONE BOOK
FIXED DIAL

PHONE BOOK
01-99 MR

Recall using speed dial

Speed dial is only available for phone book.

1. **MEM** location number
Leading zeros may be left out — for example 7 and not 07.
2. **MEM** **MEM**
The name tag and telephone number will be displayed.
3. **MEM** **MEM**
To make the call.

7

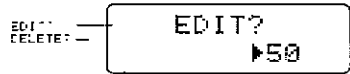
Recall using name tag

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.

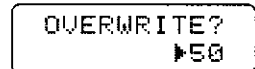
Edit an entry

Recall an entry by any means described above.

1. **MF** **☐**
To display the message options.
2. **MF** **0** or **1**
To display "EDIT?".
3. **MF** **☐**
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 **☐**.
5. **MF** telephone number
To clear the last digit press **☐** once.
To clear all digits press **☐** and hold.
6. **MF** **☐**
To enter the telephone number.
7. **MF** **☐**
To overwrite the old information.



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



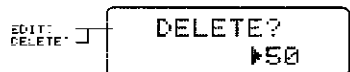
If you selected the fixed dial memory enter PIN2.

Delete an entry

Recall an entry by any means described above.

1. **MF** **☐**
To display memory options.
2. **MF** **0** or **1**
To display "DELETE?".
3. **MF** **☐**
To delete the entry.

If you selected fixed dial memory enter PIN2.

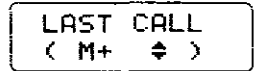


Last number memory

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.

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

☰		5	1 Read	
		Messages	2 Delete	
			3 Auto clear	
			4 Send	
			5 Set parameters	
			6 Cell broadcast	
1	1 Lock level	6	1 Select network	
Security	2 New lock code	Network	2 Network list	
	3 PIN on/off		3 My number	
	4 New PIN			
	5 New PIN2	7	1 Language	
	6 Fixed dial	Customise	2 Ring volume	
1	1 Last call timer		3 Ring type	
Call timer	2 All calls timer		4 Silent key	
	3 Call cost		5 DTMF tone	
2	1 ← All (outgoing)		6 Auto redial	
Call bar	2 ← international		7 Auto answer	(car mount use)
	3 ← international except home		8 Ignition off timer	(car mount use)
	4 → All (incoming)			
	5 → while roaming			
	6 Status			
	7 New password			
3	1 All calls		☰ Send DTMF tones	
Divert	2 If busy		☰ and hold. Display overflow digits	
	3 No answer			
	4 Unreachable			
	5 Status			
4	1 Call waiting			
Call waiting	2 Status			

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.

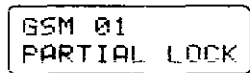
UNLOCK: Switches off telephone security. This does not effect SIM security.

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.

To select new lock code.
2. the current lock code

To correct errors press .
3. new lock code (four digits)

To correct errors press .
4. 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 , every time the telephone is switched on.

1.

To select: PIN on/off.
2. the PIN (four to eight digits)

To correct errors press .
3.

To switch PIN on or off.

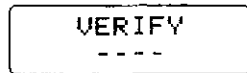
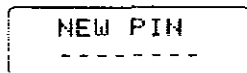
ENTER PIN

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.

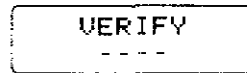
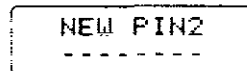
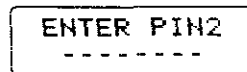


If an incorrect PIN is entered during verification you will be returned to step 4.

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.



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.   0 6

To select memory security.

2.   or 

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

FIXED DIAL ON?

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

  1 1

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



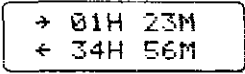
To select all calls timer.

Incoming calls are shown by "→".

Example: 1 hour/23 minutes

Outgoing calls are shown by "←".

Example: 34 hours/56 minutes



Reset all calls timer



To select all calls timer.



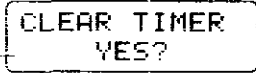
To display all calls timer options.



To display "YES?".



To reset the all calls timer.



Set/change call cost

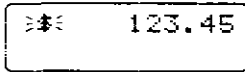
This function allows you to set call charge per minute. The last or current call timer will display call charge by multiplying the set call cost and the call duration.



To select call cost.

The current currency will be displayed.

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

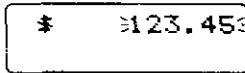


To display the required currency.



To change to the call cost.

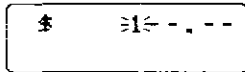
The current call cost will flash. If the call cost has not been set it will not flash.



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.

CALL BAR
SET
CLEAR
CALL BAR
SET
CLEAR

1. +ALL
2. +INTERNAT

CALL BAR
SET
CLEAR

CALL BAR
SET?

CALL BAR
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.

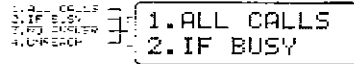
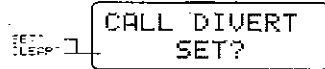
Four types of divert are available:

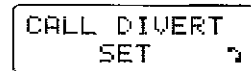
1. **ALL CALLS:** Diverts all calls
2. **IF BUSY:** Diverts if you are busy
3. **NO ANSWER:** Diverts if you do not answer
4. **UNREACH:** Diverts if you are out of service

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.



Review divert status

- 1.

To select divert status.

- 2.

To check divert status.

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

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

3. any key except , , or

To exit.

CALL DIVERT
STATUS

NO ANSWER
SET

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.

To select call waiting.

2. or

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

To disable call waiting select "CLEAR?".

- 3.

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

- 4.

To update call waiting with the network.

5. any key except or

To exit.


SET?
CLEAR?

CALL WAIT
SET?



CALL WAIT
STATUS


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".

1.    

To read a short message.

2.   or 



To display other messages.

The first nine characters of each displayed message will be shown.

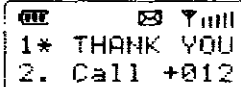
Unread messages will be shown with an asterisk "*" after the message number.

3.  message number

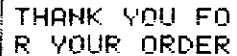
To select the message.

4.   or 

To see the rest of the message.



```
1* THANK YOU
2. Call +012
```






```
THANK YOU FO
R YOUR ORDER
```

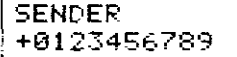
Return a call

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".

1.   or 

To display "SENDER"



















```
SENDER
+0123456789
```

2.  

To return the call.

Store sender's details in memory

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

1.   or 
To display "SENDER".
2.  
To display the message options.
3.  
To confirm that you wish to store the sender's details.
4.  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 .
5.  telephone number
6.  
To enter the telephone number.
7.   or 
To select "PHONE BOOK" or "FIXED DIAL".
8.  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".

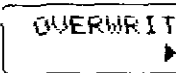
1.   or 
To display "REPLY REQUESTED".
2.  
To confirm that you wish to reply to the message.
3.  your message
For alpha entry, refer to "Alpha entry" – page 14.
4.  
To enter the messages.
5.  
To send the reply.

REPLY
REQUESTED

SEND MESSAGE
PRESS 


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

8. an available location
To store the message.

Delete received message

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

1. or To display the message.
2. To display message options
3. or To display "DELETE?"

4. 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.



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.



Create a new message

If you do not set the message parameters, you cannot send a message, refer to "Set parameters" – page 41.

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 41.

1.

To send a message.
2. or

To display "SEND STORED MESSAGE?"
3.

To select "SEND STORED MESSAGE?".
4. message number
5. destination telephone number
6.

To enter the telephone number.
7. or

To display "YES?" or "NO?".
8.

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



SEND STORED
MESSAGE?



STORE MSG
YES?

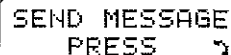
If you select "YES?" vacant locations will be displayed. Occupied locations will be shown with " ".

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.



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 41.

- 1.

To edit a stored message.

2. or

To display "EDIT STORED MESSAGE?"

SEND 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?".

STORE MSG
YES?

- 9.

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

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

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.

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.
 - To select message parameters.
2. or
 - To display "SERV. CENTRE".
 - "SERV. CENTRE" will flash.
3. or
 - To change the Service Centre number.
 - The current Service Centre number will flash.
4. the Service Centre number
5.
 - To set and exit.
























SERV. CENTRE
+0567891234

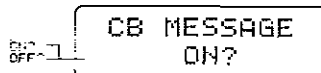
SERV. CENTRE
+0567891234

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

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. or

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

02 GSM 01
GSM2

- 3.

To modify the selected network.

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

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

or

The country initial(s) will be displayed.

02 GSM

To select the first abbreviated network name in that country.

or

To scroll through the abbreviated network names in that country.

5. or

To position that network in the network list.

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

02 GSM 04
GSM4



























- 6.

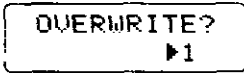
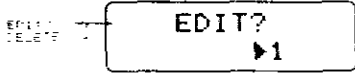
To set the current network list.

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.

-     
To select your telephone number.
-   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.
-  
To edit.
-   or 
To display "EDIT?" or "DELETE?".
-  
To select "EDIT?" or "DELETE?".
A flashing name tag will be displayed or when you select "DELETE?" the telephone number will be cleared.
-  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 .
-  new telephone number
-  
To enter the new telephone number.
To clear last digit, press  once.
To clear all digits, press  and hold.
-  
To overwrite old information.



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.


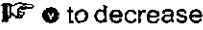
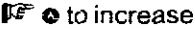


To change the position of the language in the preferred language list press or and current position will flash. To move this language up or down the preferred language list press or .
3.

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.

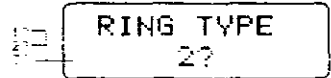
1.  To select ring volume.
2.  to decrease
 to increase
To silence the volume, press  until all bars are empty.
3.  To set the ring volume.



Select ring type





Three ring types are available.

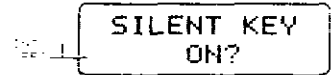
1.  To select ring type.
2.  or 
To select a ring type.
As each ring type is displayed an example will be heard.
3.  To set the ring type.



Silent keytone










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

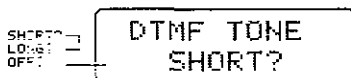
1.  To select silent keytone.
2.  or 
To display "ON?" or "OFF?".
If you select "ON?" keytone will be silent.
3.  To set silent keytone.












Select DTMF tones type

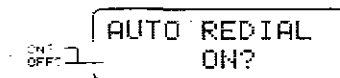
You can select long or short DTMF tones. The DTMF tones can also be switched off.

1.    
To select DTMF tones.
2.   or 
To display DTMF tones types.
3.  
To set the displayed DTMF tones type.



Set auto redial

1.    
To select auto redial.
2.   or 
To display "ON?" or "OFF?".
3.  
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	≈ 24 hours	≈ 24 hours	≈ 36 hours	≈ 50 hours
	≈ 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. 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

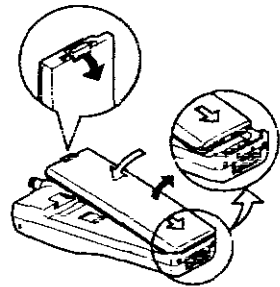
Switch off the telephone and turn face downwards.

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

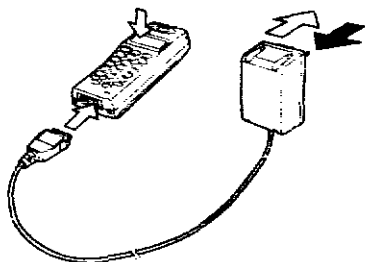
NOTE: Charge time will be longer if the telephone is turned on, or affected by ambient temperature.

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.

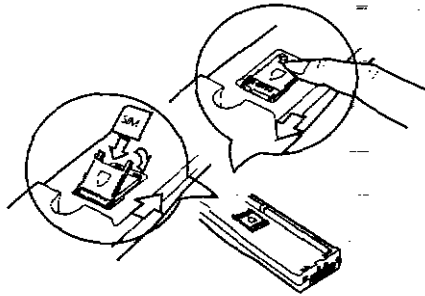
NOTE: DO NOT touch the gold contacts as this may cause damage to the SIM.

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

Bearer service	GSM services for the transmission of data. For more information about Bearer services see "Teleservices and Bearer services" below or contact your network operator.
DTMF	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.
GSM	Global System for Mobile communications. The name given to the advanced digital technology that your telephone uses.
GSM network	The cellular network on which your GSM telephone will operate. Each country supporting the GSM system will have at least one network.
Home country	The country where your home network operates.
Home network	The GSM network on which your subscription details are held.
Lock code	Used for security of your telephone. Factory set to "0000".
Network operator	The organisation responsible for operating a GSM network. Each network will have a different network operator.
Password	Used for the control of the call bar function. Supplied by your service provider.
PIN	Personal Identification Number used for SIM security. Supplied by your service provider.
PIN2	Personal Identification Number used for the control of the fixed dial memory. Supplied by your service provider.
PUK	PIN Unblocking Key. A PIN will become blocked if the wrong PIN is entered 3 times. Supplied by your service provider.
PUK 2	PIN 2 Unblocking Key. A PIN2 will become blocked if the wrong PIN2 is entered 3 times. Supplied by your service provider.
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.
Short Message Service	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.
SIM	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.

0 Teleservices and Bearer services

Teleservice code

- 1x Speech
- 2x SMS
- 6x 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.


Code type	Number of digits	Description
Personal Identification Number (PIN)	4 to 8	Controls SIM security. Supplied by the service provider.
PIN2	4 to 8	Controls fixed dial memory security. Supplied by the service provider.
PIN/PIN2 Unblocking Key (PUK/PUK2)	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.
Password	4	Controls the call bar function. If incorrect password is entered 3 times, this service will be revoked. Supplied by the service provider.
Lock code	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 24 — or "Set/clear call bar" — page 28. 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 28.
Emergency calls cannot be made	Check that the antenna symbol (▼) is displayed. Move to a GSM coverage area and operate your telephone after the antenna symbol (▼) is displayed. It may not be possible to make a call on uneven terrain or in close proximity to large buildings.
Memories can not 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 24 — or "Memory type — memory security" — page 27.
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

AREA NOT ALLOWED	Roaming in the selected area is not allowed.
BLACKLIST FULL	Blacklist of unsuccessfully redialled numbers is full. Turn the power off and then on again.
LOCK CODE INVALID	A wrong lock code has been entered. Re-enter the correct lock code.
LOW BATTERY	The battery power is low. Replace with a fully recharged battery pack or recharge the battery pack.
MESSAGE REJECTED	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.
NETWORK ERROR	The message sent has failed because of a network error. Wait for a short while and retry.
NETWORK NOT ALLOWED	Roaming with the selected network is not allowed.
NETWORK REJECTED	The supplementary service requested has been rejected by the network operator because of system failure. Wait for a short while and retry.
NO SIM PRESENT	The telephone has not detected a SIM. If a SIM is present, remove and then replace it.
NOT ALLOWED	Entered security code does not have enough digits. Re-enter appropriate digits.
NOT FOUND	There is no corresponding name tag found. To clear this display press  .
NUMBER MAX = xx	The entered telephone number is too long. The maximum length telephone number that your SIM can store is "xx"
PASSWORD INVALID	A wrong password has been entered. Re-enter the correct password.
PIN BLOCKED/ PIN2 BLOCKED	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.
PIN INVALID/ PIN2 INVALID	A wrong PIN/PIN2 has been entered. Re-enter the correct PIN/PIN2.
PIN2 INVALIDATED	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
PLEASE RETRY	The supplementary service request has failed temporarily. Try again.
PUK INVALID/ PUK2 INVALID	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  .
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:

- Charge time will be longer when the telephone is turned on.
- A range of standby times has been quoted as battery life will be affected by the network you are using and the operating conditions.
- 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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- Unanswered calls 10

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- Volume adjustment 13, 48

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- wild numbers 17

Y

- Your telephone number 46

The serial number is found on the outside of the telephone. For your convenience we recommend that you note the following details in this book as a record of your purchase.

Part Number	EB-G350
Serial Number	
Name of Dealer	
Date of Purchase	

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