Ericsson GH688

Mobile Phone for the GSM Network

User's Manual

ERICSSON

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INNOVATRON PATENTS

Congratulations...

and thank you for buying the GH688, a product specially suited the heavy user of mobile phones. The GH688 offers advanced data communication functions, up to six hours of uninterrupted talk time and comes with an extra large display.

Ericsson's mobile phones are produced to meet high quality standards and are marked with the CE symbol.

This manual introduces you to your mobile phone and shows you how to get the most out of your new product. The manual contains the following information:

- An introduction to your phone and how to make it ready for use.
- How to deal with phone calls and all the features available to you before, during and after a telephone conversation.
- How to personalize and set up the phone to meet your requirements in the every day use of your phone.
- An explanation of how network services can help you to always keep in touch with other people and the latest area information.
- How it is possible to keep track of and restrict phone calls.

We advise you to read the safety information before you start using your phone.

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Guidelines for Safe and Efficient Use

General

Since its introduction in the mid 1980s the mobile phone is one of the most exciting and innovative products ever developed. Your phone can help you to stay in touch with your office, your home, emergency services and others.

Your mobile phone is a radio transmitter and receiver. When the phone is turned on it receives and transmits radio frequency (RF) energy. Depending on the type of mobile phone you have purchased, it operates in different frequency ranges and employs commonly used modulation techniques. The system that handles your call when you are using your phone, controls the power level at which your phone transmits.

Exposure to Radio Frequency Energy

The International Commission on Non-Ionizing Radiation Protection (ICNIRP), sponsored by the World Health Organisation (WHO), published a statement in 1996 which sets limits for exposure to RF fields from handheld mobile phone. According to this statement, which is based on the available body of research, there is no evidence that mobile terminals meeting the recommended limits can cause any adverse health effects. All Ericsson telephones conform to the ICNIRP recommendations, and international exposure standards, such as:

- CENELEC European Pre-standard ENV50166-2
- ANSI/IEEE C95.1-1992 (USA, Asia-Pacific)

If you want to limit RF exposure even further, you may choose to control the duration of your calls and operate your phone in the most power efficient manner.

Efficient Phone Operation

How to use your phone for optimum performance with minimum power consumption:

- Hold the phone as you would any other telephone. While speaking directly into the mouthpiece, angle the antenna in a direction up and over your shoulder. If the antenna is extendable, it should be extended during a call.
- **Do not** hold the antenna when the phone is in use. Holding the antenna affects call quality, may cause the phone to operate at a higher power level than needed and shorten talk and standby times.

Antenna Care and Replacement

- **Do not** bend the antenna since it is sensitive and since this will reduce its performance.
- **Do not** use the phone with a damaged antenna. Consult your manual to see if you may change the antenna yourself. If so, use only an Ericsson approved antenna. Otherwise, take your phone to a qualified service center for repair. Use only the designated Ericsson antenna.

- **Do not** use an antenna designed for any other type of portable telephone than the telephone you have purchased. Unauthorized antennas, modifications, or attachments could damage the phone and may violate the appropriate regulations.

Driving

Check the laws and regulations on the use of telephones in the areas where you drive.

If you are going to use your mobile phone while driving:

- Give full attention to driving.
- Use hands-free operation, if available.
- Pull off the road and park before making or answering a call if driving conditions so require.

RF energy may affect some electronic systems in motor vehicles. In addition, some vehicle manufacturers forbid the use of mobile phones in their vehicles. Check with your vehicle manufacture's representative to be sure your phone will not affect the electronic systems of your vehicle.

Electronic Devices

Most modern electronic equipment, for example, equipment in hospitals and cars, is shielded from RF energy. However, RF energy from telephones may affect some electronic equipment.

- **Turn off** your phone in health care facilities when regulations posted in the areas instruct you to do so.
- **Do no**t use your mobile phone near medical equipment without requesting permission.

Mobile telephones may affect the operation of some implanted cardiac pacemakers, equipment for people with hearing impairments and other medically implanted equipment. Pacemaker patients should be aware that the use of a mobile phone very close to a pacemaker may cause the device to malfunction. Avoid placing the phone over the pacemaker, i.e. in your breast pocket. When using the phone, place it at your ear opposite the pacemaker. If a distance of 15 cm. is kept between the phone and the pacemaker, the risk of interference is limited. Contact your cardiologist for more information.

Aircraft

- **Turn off** your phone before boarding any aircraft.
- **Do not** use it on the ground without crew permission

To prevent interference with communication systems, you must not use your phone while the plane is in the air.

Power Supply

- Connect AC (Power supply) only to designated power sources as marked on the product.
- To reduce risk of damage to electric cord, remove from outlet by holding onto AC adapter rather than cord.
- Make sure the cord is located so that it will not be stepped on, tripped over or otherwise subjected to damage or stress.
- To reduce risk of electric shock, unplug unit from power source before attempting any cleaning, then use soft cloth dampened on with water.

Children

- **Do no**t allow children to play with your phone since they could hurt themselves or others or accidentally damage the phone.

Blasting Areas

- **Turn off** your mobile phone when in a "blasting area" or in areas posted "turn off two-way radio" to avoid interfering with blasting operations. Construction crews often use remote control RF devices to set off explosives.

Potentially Explosive Atmospheres

- **Turn off** your phone when in any area with a potentially explosive atmosphere. It is rare, but your phone or its accessories could generate sparks. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include fuelling areas, such as petrol stations, below deck on boats, fuel or chemical transfer or storage facilities, and areas where the air contains chemicals or particles, such as grain, dust, or metal powders.

- **Do not** transport or store flammable gas, liquid, or explosives in the compartment of your vehicle which contains your phone and accessories.

Product Care

- **Do not** expose your mobile phone to moisture or extreme temperatures.
- **Do not** use any other accessories but Ericsson originals. Failure to do so may result in loss of performance, fire, electric shock or injury, and will void the warranty.
- **Do not** attempt to disassemble the product. Doing so will void warranty. This product does not contain consumer serviceable components. Service should only be performed by Authorized Service Centers.

CE

The CE symbol on Ericsson's products signifies that they have been certified according to the EMC directive 89/336/EEC, the Telecommunications directive 91/263/EEC, and the Low Voltage directive 73/23/EEC when applicable. The products fulfil the requirements according to the following standards:

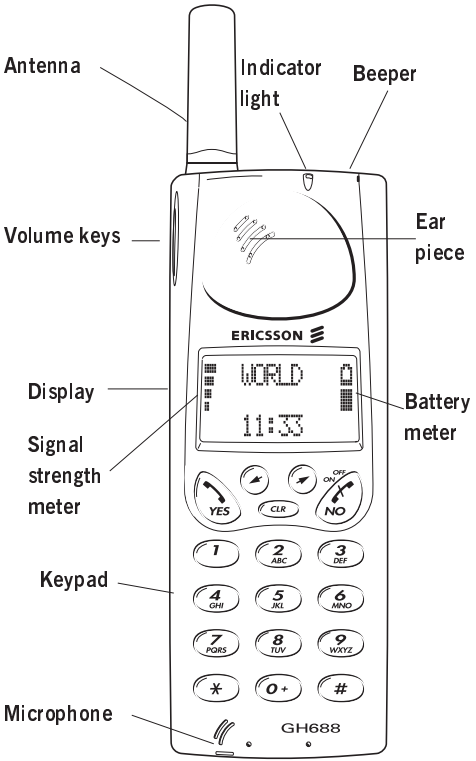
Cellular Phones and Accessories in Combination:

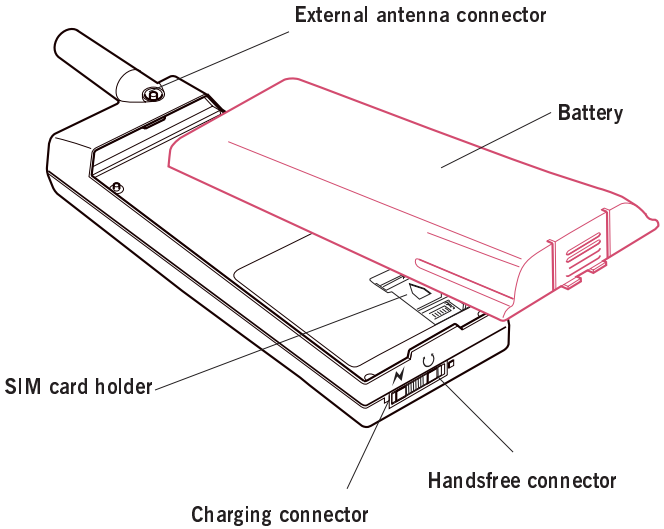
ETS 300 342-1 EMC for European digital cellular telecommunications.

Accessories Without Direct Connection to a Cellular Phone:

- EN 50081 Electromagnetic compatibility, Generic Emission Standard
- EN 50082 Electromagnetic compatibility, Generic Immunity Standard.

The Phone


Antenna
Indicator light
Beeper
Volume keys
Ear piece
Display
Signal strength meter
Battery meter
Keypad
Microphone
ERICSSON
WRLD
11:33
YES
CLR
NO
GH688


External antenna connector
Battery
SIM card holder
Handsfree connector
Charging connector

Preparing Your Phone for Use

The SIM Card

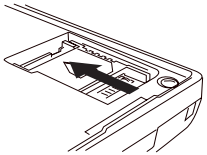
When you become a subscriber of a network you obtain a SIM (Subscriber Identity Module) card.

Your SIM card is supplied with a security code or PIN (Personal Identity Number) which you need in order to gain access to the phone and network.

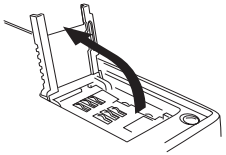
The SIM card contains a computer chip that keeps track of your phone number, the services you have ordered from your network operator and your phone book information.

Before you are able to use your phone the SIM card must be inserted into the phone.

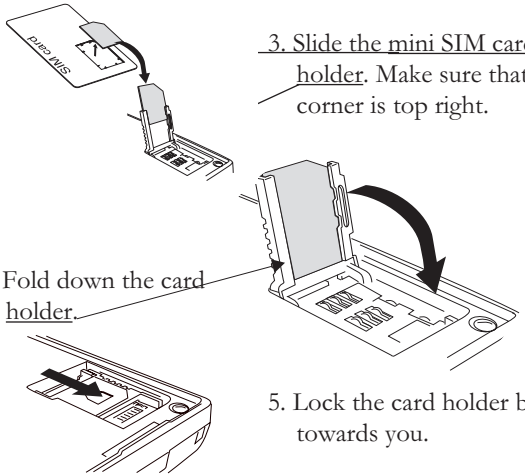
How to Insert the SIM Card



1. Release the card holder by sliding the lid away from you.



2. Open the holder.



3. Slide the mini SIM card into the holder. Make sure that the cut corner is top right.

4. Fold down the card holder.

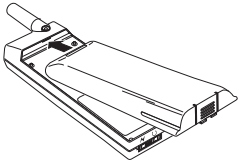
5. Lock the card holder by sliding it towards you.

The Battery

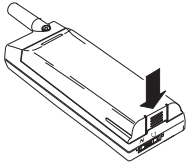
Your mobile phone is supplied with a nickel metal hydride battery. The battery is not charged when purchased, however there may be enough power to turn on the phone.

The battery must be attached to the phone before it can be charged.

How to Attach the Battery to the Phone



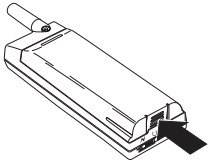
1. Place the battery on top of the phone.



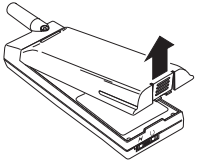
2. Press until you hear a click.

How to Remove the Battery

Make sure that the phone is turned off before removing the battery.



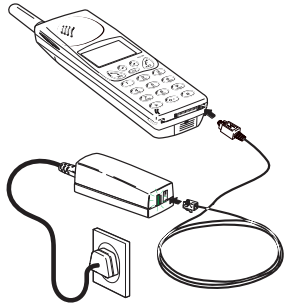
1. Press the locking catch on the bottom of the battery.



2. Lift the battery up and away from the phone.

How to Charge the Battery

- Connect the charger to the phone as illustrated in the figure. You need to press hard to fit the plug into the phone. The flash symbol on the charger must face upwards.
- Connect the charger to the mains.

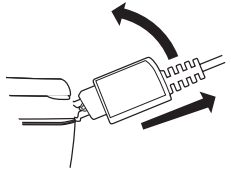


The phone will now start charging the battery. To indicate this the battery meter in the display is continuously filled and emptied and the indicator light on top of the phone shows a steady *green* light if the phone is turned on, or a steady *red* light if the phone is turned off. When the battery is fully charged, the battery meter in the display will show full.

Note! It is possible to use the phone while it is being charged. This will, however, increase the charging time.

How to Disconnect the Charger

Disconnect the charger from the phone by pushing the plug upwards, see figure, and then pulling it out.



The Low Battery Alarm

As a reminder that the battery soon needs recharging or replacing, an alarm signal (a long beep) sounds and the message **Battery low** appears for ten seconds in the display.

In addition, the indicator light on top of the phone starts blinking red. If the phone is left on, the low battery alarm will be repeated several times and, finally, the phone will turn itself off when the battery is no longer able to power it satisfactorily. It is not possible to turn the phone on again. Instead the battery must be recharged or replaced with a charged one.

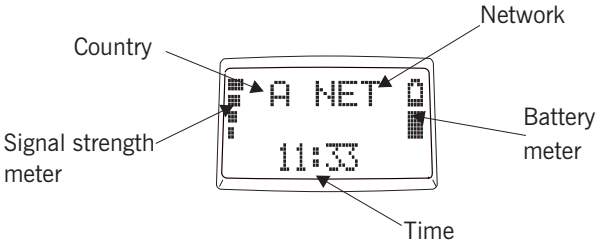
Turning On the Phone

1. Press and hold down the NO key until you hear a click. The display will prompt you to enter your PIN code.
2. Enter your PIN code. The digits appear as * in the display. If you make a mistake while entering your PIN code erase the faulty digit by pressing the CLR key.
3. Press YES.

If you have entered your PIN code correctly, you will be welcomed by your phone. The phone will then search for a network.

When a network is found, the phone beeps three times. The indicator light on top of the phone flashes green once every second.

The display looks like this:



You can now make and receive calls. This is called **standby mode**.

When you are not using the phone, the illumination of the display and keypad is automatically turned off after 10 seconds. Pressing any key will turn the illumination on again.

If the message **Emergency calls only** is displayed, you are within rangeof a network but you are not allowed to use it. However, in an emergency, you can call the international emergency number 112. See chapter *Making and Receiving Calls, p. 8*.

When No Network is Displayed

If the message **No network** is displayed, there is no network within range or the received signal is too weak. You have to move to obtain a sufficiently strong signal.

The Display Language

The phone is normally, depending on SIM card, delivered with English text in the display. To select a different language, see *Personalizing Your Phone, p. 19*.

The Time

The time is shown at the bottom of the display. When the phone is delivered the time is normally not set. To set the time, see *Setting the Time, Date and Alarm, p. 27*.

How to Turn off the Phone

Press and hold down the NO key until the display is turned off.

The Keypad and Display

Key Functions

The keys have other functions when you have accessed the phone's menu system. See *The Phone's Menus, p.12*.

YES
To confirm selections and settings and to answer an incoming call.

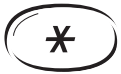
ON/OFF
To turn the phone on or off.

NO
To cancel selections or reject incoming calls.

Left and right arrow keys
To access and navigate the menu system.

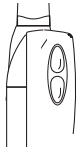
CLR (Clear)
To erase digits from the display and mute the telephone.

Numeric keys
To enter the digits 0-9. The 0 key enters the international character + if held down.



Star
To enter the * character. If held down it enters a 'p' – pause.

Hash
To enter the character #. If held down it enters the character ¤.
To terminate the input of PIN and security codes.
To confirm selection and settings.



Volume keys
To increase or decrease the volume of the ear piece or handsfree loudspeaker. The keys are placed on the side of the phone.

Indicators in the Display

Signal strength meter
The received signal strength displayed as bars. The more bars, the stronger signal.

Battery meter
The current battery strength. The fuller the icon, the more power there is remaining.

Keypad locked
The keypad on your phone is locked.

Alarm activated
The alarm function is activated.

Diversion arrow
All incoming calls are diverted to another number.

Silent ring signal
The ring signal is turned off.

Text message
You have received a text message.

Two lines
The line currently selected if you have the Two Line service.

Making and Receiving Calls

The instructions in this chapter assume that you have turned on your phone and that you are within range of a network.

Note! When you are abroad, you may use other networks, provided your home network has an agreement that allows you to do this. See *Other Networks, p. 31*.

How to Make a Domestic Call

1. Enter the area code and phone number. The digits are shown in the display.

   To erase a digit press CLR.

   To erase all digits, press and hold down CLR until all digits have been erased.

2. Press YES to make the call. The display shows **Calling**, followed by **Connecting**.

   When the call is answered, a Call Time meter at the top of the display shows the elapsed time in minutes and seconds.

   If nobody answers your call, the number is busy or you cannot get through, press NO. The number is now stored in a memory which makes it easy to repeat the call. See **How to Re-dial Last Number.**

How to End a Call

When you want to end the call, press NO and the **Call Time** meter shows the duration of the call for three seconds.

It is possible to check the duration of the call later on. See *The Call Time/Call Cost, p. 48*.

How to Re-dial Last Number

To re-dial the last number, recall the last called number from the memory and press YES. The display shows **Call?** together with the number. Press YES to make the call.

The Automatic Re-dialling Function

If the connection fails and the receiver's network admits it, the display shows **Retry?**. Press YES to re-dial the number, otherwise NO.

If you press YES the number will automatically be re-dialled until the call is answered but no more than 10 times. If you press any key or you receive a call, the re-dialling is interrupted. If the re-dialling is successful, the phone rings twice to inform you.

How to Make an International Call

1. Press and hold down the 0 key until the international character + is displayed. The + will be replaced by the international prefix for the country you are calling from.
2. Enter the country code, the area code (without the first zero) and the phone number.
3. Press YES to make the call.

How to Make an Emergency Call

- Enter **112** (the international emergency number) and press YES. The display shows **Emergency**.

Some operators may require that a SIM card has been inserted into the phone, and in some cases that the PIN code has been entered as well.

How to Receive a Call

When you receive a call the phone will ring and the indicator light on top of the phone rapidly blinks green. The display will show **Answer?**.

1. Press YES to answer the call.

2. When the call is finished, press NO.

Note! The phone must be turned on before a call can be received.

How to Reject a Call

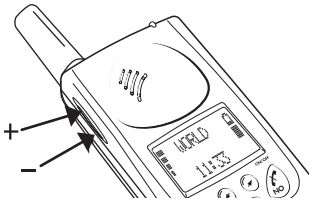
- Press the NO key or the volume key twice to reject an incoming call. The caller will hear a busy tone if the caller's network supports this function.

Unanswered Calls

If you have been unable to answer, the number of unanswered calls will be shown in the display until you press the CLR key.

During a Call

How to Change the Volume



You can use the volume keys to increase or decrease the ear piece volume.

How to Mute the Microphone

1. Press and hold down the CLR key. **Mute** is shown in the display.
2. To resume conversation, release the CLR key.

How to Use the Display as a Scratch Pad

You can enter a phone number on the keypad during a call. When you end the call the number remains in the display.

- To call the number press YES.

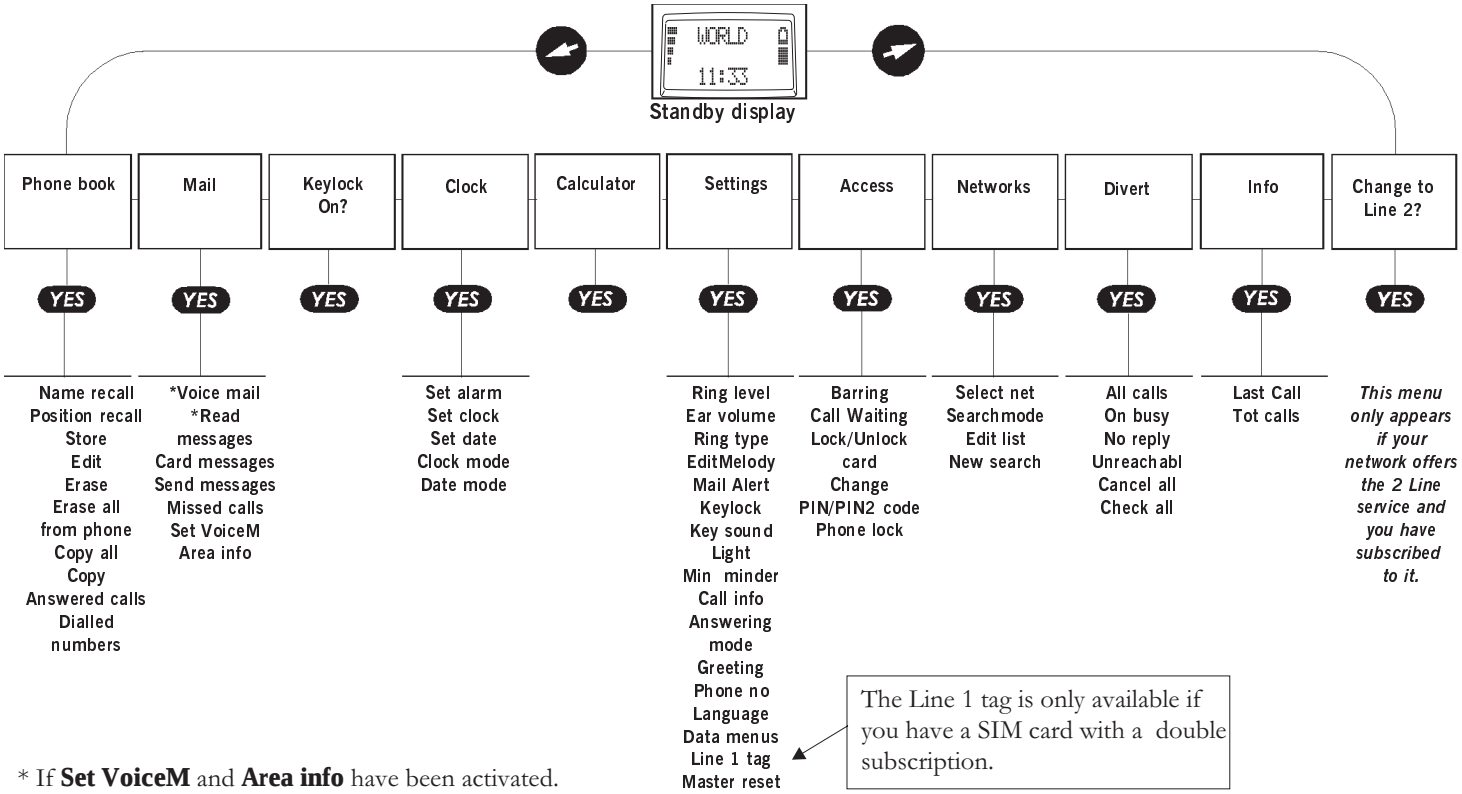
You can also store the number in the phone book. See *The Phone Book, p. 14*.

How to Send Tone Signals

You can send DTMF tones by pressing the keys 0-9, * and # in order to perform banking by phone or to control an answering machine. Read more about DTMF tones in *DTMF Tones, p. 34*.

The Phone's Menus

This chapter describes how to navigate the menu system.



* If **Set VoiceM** and **Area info** have been activated.

The Menus

The menus are arranged in a continuous loop. The right and left arrows allow you to access the menu system and then scroll from menu to menu.

When you reach the desired menu, press YES to select it.

Most of the menus have a number of functions. Scroll with the right and left arrows until you reach the desired function. Press YES to select it.

Similarly a function has a number of different settings that you can reach by using the right and left arrows. Press YES to confirm the setting you have chosen.

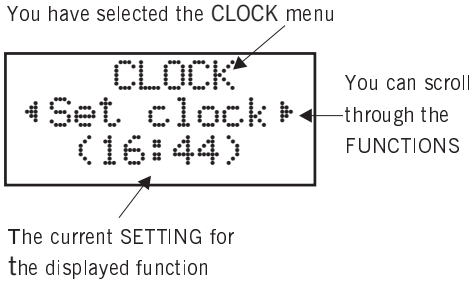
The NO key allows you to leave a setting unchanged. It can also be used to move back from a function to a menu and from the menu to the standby display.

Use the CLR key to take you back to the standby display.

Note! You will leave the menu system automatically if you do not press any key within 60 seconds or if you receive a call.

Display Texts and Symbols

UPPER-CASE letters are used to indicate the menu or function selected. When ◂ and ▸ are displayed you can scroll with the right and left arrows.Text within brackets indicates the current setting for the displayed function.



How to Enter Letters

With some functions you can enter letters and other characters using the numeric keys.

Press the appropriate key, 1-9, 0 or # repeatedly until the desired letter, character or digit appears in the display. For example, to enter an A, press the numeric 2 once. To enter a B, press the numeric 2 key twice.

1 Space - ? ! , . : “ ' ( ) 1

2 A B C Å Ä Æ à Ç 2 Γ

3 D E F è É 3 Δ φ

4 G H I ì 4

5 J K L 5 Λ

6 M N O Ñ Ö Ø ò 6

7 P Q R S ß 7 Π Σ

8 T U V Ü ù 8

9 W X Y Z 9

0 0 + & @ / $ % £ Θ Ξ Ψ Ω

*

Note! To enter a digit, you can also press and hold down the numeric key.

How to Enter Lower-Case Letters

- Enter the letter, for example an ‘A’, and then press *. An ‘a’ appears.

Lower-case letters will now appear until you press * again.

The CHECK and SPECIAL CHARACTERS Menus

If you have entered characters into the display, the SPECIAL CHARACTERS MENU will appear in the display when you enter the menu system by pressing the right arrow. If you have entered more than 20 characters into the display, the CHECK menu appears when you enter the menu system by pressing the right arrow.

How to Check the First Characters

If you enter more than 20 characters (0 – 9 and *, #, + or p) into the display, the first characters will disappear from the display. Instead, a left arrow is shown to the left in the second line, in front of the characters.

Pressing the right arrow takes you to the CHECK menu, which lets you see the first characters you have entered.

If you wish to enter a special character, press the right arrow. To return to the standby display, press the left arrow.

How to Insert Special Characters

If you have entered fewer than 20 characters , pressing the right arrow takes you directly to the SPECIAL CHARACTERS menu.

This menu makes it possible to:

- Insert a pause character (p) to separate the phone number from a code that you wish to send as DTMF tones. See *DTMF Tones, p. 34*.
- Insert a code that shows your phone number in the receiver’s phone display when making a call. See *Who Is Calling?, p. 36*.
- Insert a code that hides your phone number when making a call. See *Who is Calling?, p. 36*.

The Phone Book

This chapter describes how you can create a personal phone book by storing phone numbers and accompanying names on the SIM card (card memory) and in the phone (phone memory). The PHONE BOOK menu also includes functions for recalling the last dialled numbers. If you have the CLI (Calling Line Identification) service you can also recall the last answered numbers.

The Card Memory

The memory positions in the card memory are numbered from 1 onwards. The actual number of memory positions available depends on your SIM card.

The Phone Memory

The phone memory can hold up to 99 phone numbers. The memory positions are designated ¤1 – ¤ 99.

Note! In the PHONE BOOK menu, press # to enter the ¤ character. Outside the PHONE BOOK menu, you must press and hold down # to enter the ¤ character.

International Numbers

If you intend to use your phone both at home and abroad, you should store all phone numbers as international phone numbers, that is, with the international '+"character and the country code before the area code and the number.

To enter the '+' character, press and hold down 0.

Omit the leading zero in the area code.

The Speed Dialling Facility

The phone numbers that you store in positions 1 – 9 in the card memory can be called by entering the position number and then pressing YES. You should, therefore, save positions 1 – 9 for important numbers.

How to Store a Phone Number – Alt. 1

1. Enter the phone number to be stored.
2. Press the left arrow, followed by YES to select the PHONE BOOK menu.
3. Press YES to select the **Store** function.
4. The first free memory position in the card memory is suggested at the top of the display.
5. If you wish to store the phone number in this position without an accompanying name, press YES or continue to the next instruction.
6. To enter a name, enter the first letter of the name by pressing the appropriate numeric keys as many times as required. Enter the next letter when the cursor has moved to the next letter position.
   - To change between upper-case and lower-case letters, press *.
   - To enter a space press 1.
   - To enter a hyphen press 1 twice.

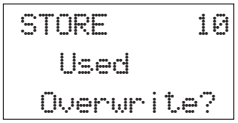
- To erase a faulty letter press CLR.
- Use the right and left arrows to insert or erase letters.

7. Press YES to store the name and number. If you wish to store the phone number in a different position continue to the next instruction.
8. Press the right arrow twice to move the cursor to the top line of the display. Enter the number of the required memory position and then the right arrow.
   - To enter the number of a memory position on the phone memory, for example ¤1, press # to enter the ¤ character.
   - If you press # twice, the first free memory position in the phone memory appears.
9. Press YES to store the name and number on the required position in the phone memory.

How to Store a Phone Number – Alt. 2

Instead of entering the phone number before going to the PHONE BOOK menu, you can select the **Store** function from the PHONE BOOK menu and then enter the name and phone number.

Overwrite Protection



This message appears if you try to store a phone number in a position which already contains a phone number.

You can then do one of the following:

- Store the number in a different position . Press NO and then the new number of the position.
- Store the number in the selected position, thus erasing the old number. Press YES.

When the Card Memory is Full

If you try to store a phone number when all positions are occupied, a position number in the phone memory will be suggested in the top line of the display.

When Both Memories are Full

If both memories become full, no position number will be suggested.

If you do wish to store the phone number, you have to enter the number of an already occupied position, thus **erasing** the old number.

How to Recall a Phone Number

Using the Name – Alt. 1

1. Clear the display by pressing CLR.
2. Press the left arrow followed by YES to select the PHONE BOOK menu.
3. Press YES to select the **Name recall** function.
4. Enter one or more letters of the name in the correct order and press YES.

- If the displayed name is not the required one, scroll through the phone book with the right and left arrows until you find the correct name.

5. Press YES to call the name or NO to return to standby.

Using the Name – Alt. 2

1. Clear the display by pressing CLR.
2. Press the left arrow followed by a numeric key. For example, to recall a name beginning with 'A', press 2. To recall a name beginning with 'E', press 3 twice.
   - If the name displayed is not the required one, scroll with the right and left arrows until you find the correct name.
3. Press YES to call the name or NO to return to standby.

Using the Position

1. Clear the display by pressing CLR.
2. Press the left arrow followed by YES to select the PHONE BOOK menu.
3. Press the right arrow and then YES to select the **Position recall** function.
   - To enter a number in the phone memory, for example ¤**1**, press **#** to enter the ¤ character.
   - If you entered the wrong position number, scroll through the card or phone memory using the right and left arrows until you find the phone number.
4. Press **YES** to call the number or **NO** to return to standby.

How to Edit the Phone Book

1. Select **Edit** from the PHONE BOOK menu.
2. Enter the position number and press YES.

   If you wish to enter the name, press the right arrow. Enter the full name and press YES.

You can now change the position number (in the top line), the name (in the middle line) or the phone number (in the bottom line).

When the cursor is positioned to the right of the characters in a line, you can move the cursor to the next line by pressing the right arrow and then make the changes in that line.

Press CLR (repeatedly) to erase the last character(s) in a line. Then enter the new characters.

You can also move the cursor back with the left arrow and erase characters to the left of the cursor, or insert characters in the cursor's position.

3. When you are finished with the changes, press YES.

How to Erase a Phone Number – Alt. 1

1. Select **Erase** from the PHONE BOOK menu.
2. Enter the position number and press YES, or scroll with the right and left arrows until you find the position and number you wish to erase.
3. Press YES to erase the number.

How to Erase a Phone Number – Alt. 2

1. Recall the number using **Name recall** or **Position recall**.

2. Press and hold down CLR. The question 'Erase?' appears.
3. Press YES to erase the number.

How to Erase All Phone Numbers

From the Phone Memory

1. Select **Erase all from phone** from the PHONE BOOK menu.
2. Press YES to erase all phone numbers.

How to Copy Phone Numbers

From Card Memory to Phone Memory

1. Select **Copy all** from the PHONE BOOK menu.
2. Select Card->Phone and press YES.
3. Enter the number of the first positions in the card memory you wish to copy and press YES:
4. Enter the number of the first position in the phone memory you wish to copy to and press YES.
5. Press YES to start the copying.

From Phone Memory to Card Memory

1. Select **Copy all** from the PHONE BOOK menu.
2. Scroll to Phone->Card and press YES.
3. Enter the number of the first positions in the phone memory you wish to copy and press YES.
4. Enter the number of the first position in the card memory you wish to copy to and press YES.
5. Press YES to start the copying.

From Card Memory to Phone Memory One by One

1. Select **Copy** from the PHONE BOOK menu.
2. Select Card->Phone and press YES.
3. Enter the number of the first positions in the card memory you wish to copy and press YES:
4. Enter the number of the first position in the phone memory you wish to copy to and press YES.
5. Press YES to copy. The next position in the card memory is displayed.

Press:

- YES to copy.
- NO or right arrow to go on to the next position in the card memory.
- CLR to copy to another position in the phone memory. Enter the number of the position and press YES.
- CLR twice to interrupt copying.

From Phone Memory to Card Memory One by One

1. Select **Copy** from the PHONE BOOK menu.
2. Scroll to Phone->Card and press YES.

To copy from the phone memory to the card memory use the YES, NO, CLR and right and left arrows in the same way as in described in the previous paragraph.

The Answered Calls Memory

If you subscribe to the Calling Line Identification (CLI) service of your network, the numbers of the last 5 answered calls are stored in the phone.

To recall the last answered numbers, see *Who Is Calling?, p. 36*.

The Dialled Numbers Memory

If your SIM card supports this function and allocates 5 or more positions for last dialled numbers, the last numbers called are stored on the SIM. Otherwise, they are stored in the phone.

How to Recall the Last Dialled Numbers

1. Press CLR to erase any digits from the display.
2. Press the left arrow, followed by YES to select the PHONE BOOK menu. Then press the left arrow, followed by YES to select the **Dialled Numbers** function. The number last called is shown.
3. Press YES to call the number, or scroll with the right and left arrows until you find the number you wish to call. Then press YES.

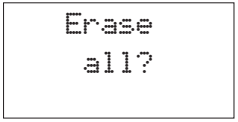
Without entering the PHONE BOOk menu

1. Clear the display by pressing CLR.
2. Press YES. The number last called is shown.
3. Press YES to call the number, or scroll with the right and left arrows until you find the number you wish to call. Then press YES.

How to Erase Phone Numbers from the Dialled Numbers Memory

1. Select **Dialled numbers** from the PHONE BOOK menu.
2. Press and hold down CLR.

The display will show:



3. Press YES.

Personalizing Your Phone

The SETTINGS menu includes a number of functions which let you adapt your phone to your personal needs in different situations.

The functions in the SETTINGS menu are described in the order in which they appear when you scroll with the right and left arrows.

How to Change the Ring Volume

1. Select **Ring level** from the SETTINGS menu.

You can set the level of the ringing signal in six steps. The first step means that two clicks will be heard when you receive a call.

You can also turn the ringing signal off (0) or choose a ringing signal that rises in steps from the lowest to the highest level.

- Use the right and left arrows to decrease or increase the level.

If you increase the level with the right arrow you will hear the phone ring.

Note! Use the volume keys at the side of the phone to change the level silently if you do not wish to disturb other people.

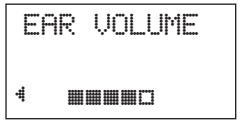
If you turn the ringing signal off, all audible signals will also be turned off. You will, however, be informed of an incoming call by the indicator light on the top of the phone and the display.

As a reminder that the ringing signal is turned off, an icon in the shape of a crossed music symbol is shown on the right in the bottom line of the display.

Note! You can have one ring volume setting when the phone is used as a handheld unit and another setting when it is used with any Ericsson handsfree equipment.

How to Change the Ear Piece Volume

1. Select **Ear volume** from the SETTINGS menu.



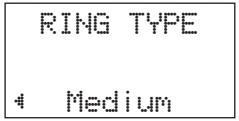
You can use the right and left arrows or the volume keys at the side of the phone to adjust the volume.

During a call you can use the volume keys at the side of the phone to adjust the volume.

Note! You can have independent volume settings when you use the phone as a handheld unit and when you use it with any Ericsson handsfree equipment.

How to Change the Ring Type

1. Select **Ring type** from the SETTINGS menu.



You can set the tone of the ringing signal in three steps: low, medium or high. You can also choose a mixed tone or a melody.

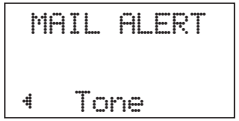
If you scroll with the right and left arrows you will hear the various types of ringing signals. If you do not wish to disturb other people, use the volume keys at the side of the phone to scroll silently.

How to Edit a Melody

You can compose you own ring signal. See *Composing Your Own Ring Signal, p. 53*.

How to Change the Message Signal

1. Select **Mail alert** from the SETTINGS menu.



You can choose whether clicks, tones or nothing (silent) will be heard when you receive a text message (SMS).

How to Select Key Lock

1. Select **Keylock** from the SETTINGS menu.

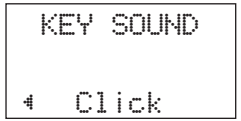
You can choose manual or automatic keypad lock.

In automatic mode the keypad is locked 25 seconds after the last key has been pressed. In manual mode you have to select the KEYLOCK menu to activate the lock.

See *Protecting Your SIM card and Phone, p. 23*.

How to Select Key Sound

1. Select **Key sound** from the SETTINGS menu.



You can choose whether clicks, tones or nothing (silent) will be heard when you press the keys.

Note: The only sound available for the side keys is the click sound..

How to Change the Display Light

1. Select **Light** from the SETTINGS menu.

The display light can be set to automatic, turned off or turned on all the time.

In automatic mode, the display light is turned off automatically 10 seconds after the last key has been pressed. It will be turned on again when a key is pressed or when a call or message is received.

Note! You can have one setting when the phone is used as a handheld unit and another setting when the phone is used together with any Ericsson handsfree equipment.

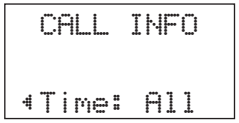
How to Set the Minute Minder

1. Select **Min Minder** from the SETTINGS menu.

This function gives an indication of the time spent during conversation by entering a short beep every minute.

How to Set Call Information

1. Select **Call info** from the SETTINGS menu.



During an outgoing call the call time is shown in the display. The **Last Call** and **Tot Calls** functions in the INFO menu let you check the elapsed time of outgoing calls.

With the **Call info** function you can choose to have the call time display for all calls, both incoming and outgoing.

You can also have the call cost displayed, provided you subscribe to this feature.

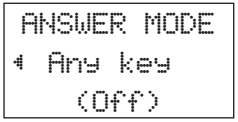
How to Select Answering Mode

1. Select **Answering mode** from the SETTINGS menu.

This submenu includes two functions. **Any key** and **Auto** which are useful when the phone is used with handsfree equipment.

The Any key function:

If you turn on this function, you can answer an incoming call by pressing any key except the NO key if the phone is used with handsfree equipment.



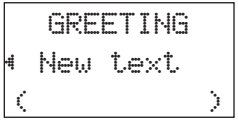
The Auto function:

If you choose automatic answering mode, an incoming call will be answered automatically after one ring signal if the phone is used with handsfree equipment.

How to Change the Greeting Text

Note! If the greeting text can be retrieved from your SIM card, you cannot change it.

1. Select **Greeting** from the SETTINGS menu.



Instead of the greeting 'Welcome', you can have your phone display a welcome greeting that you have chosen yourself.

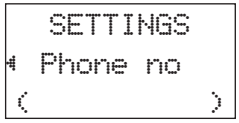
Enter the greeting text using the numeric keys. See the table in *The Phone's Menus, 11*.

The **Greeting** function also lets you turn the greeting text off.

How to Display Your Phone Number

If your phone number cannot be retrieved from your SIM card, you can enter it yourself.

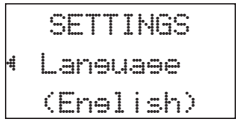
1. Select **Phone no** from the SETTINGS menu.
2. Enter the number and press YES.



If your SIM card allows it, you can also enter your fax and/or data number.

How to Change the Display Language

1. Select **Language** from the SETTINGS menu.
2. Scroll to the required display language and press YES.

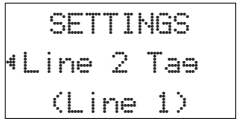


If you select the **Auto** alternative the display language will be determined by your SIM card.

Note! To reset to English you can enter the sequence *#0000# at any time.

How to Change the Name of Two Lines

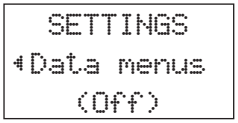
See *The Two Line Service, p. 47*.



Note! This feature is only available if you subscribe to the 2 Line service.

How to Activate the Data Menus

1. Select **Data menus** from the SETTINGS menu.

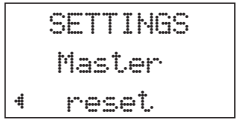


This function lets you turn on two data menus, the **Speech then FAX** and **Next call type** menus. If you are going to use your phone with a Mobile Office Kit and PC these menus should be activated.

How to Reset the Phone

It is possible to reset all menu settings to their default values.

1. Select **Master reset** from the SETTINGS menu.



To reset the phone, enter the same security code that is used to turn the phone lock on or off. See *Protecting Your SIM Card and Phone, p. 24*. The factory programmed security code is 0000.

Protecting Your SIM Card and Phone

The Card Lock

Your SIM card is protected by a card lock which is unlocked with a PIN code. The PIN code is obtained when you purchase your SIM card.

Each time you turn on your phone, the PIN code has to be entered to unlock the card.

If the PIN code is entered incorrectly three times in succession, the SIM card will be blocked. This is indicated by the message **Card blocked Unblock?**. Should this happen, see *Problems You Can Solve, p. 55* .

How to Change the PIN Code

1. Select **Change PIN code** from the ACCESS menu.
2. Enter the old (current) PIN code and press YES.
3. Next, enter the new PIN code and press YES.
4. Finally, at the prompt **Repeat new PIN**, enter the new PIN for the second time.

The message **New PIN** confirms that the PIN code has been changed.

If the message **WRONG PIN** appears in the display and the phone returns to standby mode, your PIN code has *not* been changed. Your old PIN code was entered incorrectly. Repeat the procedure above.

Note! If the message **Matching error** appears, the new PIN was entered incorrectly.

How to Change the PIN2 Code

Depending on the network you use, some services require that you enter a second PIN code, the PIN2 code.

1. Select **Change PIN2 code** from the ACCESS menu.

Follow the same procedure as described in *How to Change the PIN code*.

How to Unlock the SIM Card

Note! This function only applies if your SIM card allows you to de-activate the card lock.

---

1. Select **Unlock card** from the ACCESS menu.
2. Press YES.
3. Enter your PIN code and press YES.

The message **Unlocked** confirms that the card lock is now deactivated.

How to Lock the SIM Card

1. Select **Lock card** from the ACCESS menu.
2. Press YES.
3. Enter your PIN code and press YES.

The message **Locked** confirms that the card lock is now activated.

The Phone Lock

The phone lock protects the phone against unauthorised use in the event of theft. It is not activated when you purchase the phone. You should, however, activate the phone lock as soon as possible and also change the factory-programmed security code of 0000 to any 3- to 8-digit personalised code.

Note! If you forget your security code, you need to contact your dealer to unlock your phone. For security reasons, this may take some time.

There are two different types of phone locks – Full lock and Autolock.

Full Lock

If the **Full Lock** is activated, the message **Phone locked** is displayed briefly, each time the phone is turned on. The message is followed by the prompt **Enter lock code**. The user then has to enter a security code and press YES to be able to use the phone.

Autolock

If the **Autolock** is activated, the message **Phone locked** and the prompt **Enter lock code** will not appear until a new SIM card is inserted into the phone. After the security code has been entered correctly, the phone can be used with the new SIM card. The user will not be asked to enter the security code until the original SIM card or a different SIM card is inserted.

How to Change the Security Code

1. Select **Phone lock** from the ACCESS menu and follow the same procedure as when changing the PIN code.

How to Lock/Unlock the Phone

1. Select **Phone lock** from the ACCESS menu.

   The current setting **Full lock**, **Autolock** or **Unlocked** is shown between brackets.
2. Select the required setting.
3. Enter the security code and press YES. PHONE LOCK is displayed together with the new setting.

Call Barring

Note! This service may not be available on all networks or may require a separate subscription.

The **Call Barring** service of the cellular network allows you to bar different types of outgoing and incoming calls to restrict the use of your phone.

The following calls can be barred:

- All outgoing calls
- All outgoing international calls
- All outgoing international calls except to your home country
- All incoming calls
- All incoming calls when you are abroad (when roaming)

To ensure that a call bar is not changed by someone else, a password, which comes with your subscription, is necessary in order to activate or cancel a call bar.

How to Active Call Bars

1. Select **Barring** from the ACCESS menu.

   The first barring option is **All outgoing calls**. To chose another barring option use the right and left arrows to select another option.

2. Select the required option and press YES.
3. Select **Activate**, **Get statu**s or **Cancel**. Press YES.
4. Enter your password and press YES.

There may be a short delay before the network responds. In the meantime the message **Please wait** is displayed. This is followed by a message which informs you whether the call bar is activated or not.

Note! If you divert incoming calls (see *Diverting Incoming Calls, p. 29*.) you cannot activate some barring options. Likewise, if you bar calls, you cannot activate some call divert options.

How to Cancel Call Bars

1. Select **Barring** from the ACCESS menu.
2. Select **Cancel all** and press YES.

The message **Please wait** appears followed by a message that confirms that all call bars are cancelled.

How to Change the Barring Password

The password for the Barring service comes with your subscription. You can easily change the password as often as you like.

1. Select **Barring** from the ACCESS menu.
2. Select the **Change password** option.
3. Enter the old (current) password and press YES.
4. Enter the new password and press YES.
5. Enter the new password again and press YES.

The message **Please wait** appears followed by a message that confirms that the password has been changed.

The Keypad Lock

It is possible to lock the keypad so that unintentional key action has no effect if the phone is turned on.

An icon in the shape of a key to the left in the middle of the display informs you that the keypad is locked.

Note! Calls to the international emergency number 112 can be made when the keypad is locked. The phone's alarm can be turned off by pressing any key.

The keypad will remain locked until you:

- Answer an incoming call.
- Replace the battery.
- Unlock the keypad.

How to Lock the Keypad

1. Select **Keylock** from the SETTINGS menu.
2. Select **Automatic** or **Manual** keylock.

   The automatic keylock locks the keypad 25 seconds after the last key has been pressed.
3. Press YES.

How to Unlock the Keypad

1. Press the left arrow followed by YES to unlock the keypad.

Setting the Time, Date and Alarm

The CLOCK menu lets you set the time and date. It also lets you activate the alarm function.

The Clock

The time is shown continuously at the bottom of the display when the phone is in standby mode.

The hours and minutes can be presented in either the 24-hour format or the 12-hour (a.m./p.m.) format.

How to Change the Time Format

1. Select **Clock mode** from the CLOCK menu.
2. Select the required clock mode and press YES.

How to Set the Clock

1. Select **Set clock** from the CLOCK menu.

   The right and left arrows can be used to change the hours.
2. Enter the time in hours and minutes. Press YES.

If you have selected the 12-hour format in the **Clock mode** function you can alternate between a.m. and p.m. by pressing * or #.

The Date

It is possible to display the current date in the middle of the display when the phone is in standby mode.

How to Set the Date Format

1. Select **Date mode** from the CLOCK menu.
2. Scroll to the required date format by using the right and left arrows.
3. Press YES to select a date format.

How to Set the Date

1. Select **Set date** from the CLOCK menu.
2. Enter the year (two digits) and press YES.
3. Enter the month and the day in the same way. Press YES.

The Alarm

The phone has an alarm function. When it is activated, an icon in the shape of a bell (🔔) is shown in front of the current time in the display.

The alarm will sound at the set time even if the phone is turned off. The illumination of the keys and the display will flash. The strength of the alarm signal depends on the setting of the ring signal.

The alarm will sound for 60 seconds and will be repeated every nine minutes if you do not turn it off. The alarm will automatically turn itself of after approximately one hour.

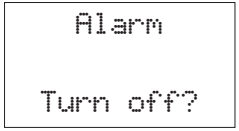
How to Set the Alarm

1. Select **Set alarm** from the CLOCK menu.
2. Scroll to the **New time** option by using the right and left arrows. Press YES.
3. Enter the time in hours and minutes. Press YES.

Note! If you have chosen the 12-hour format in the **Clock mode** function you can alternate between a.m. and p.m. by pressing * and #.

How to Turn the Alarm Off

1. Press any key to turn the alarm off when it sounds.
2. Press YES if you do not want the alarm to be repeated.



How to Turn the Alarm Function Off

1. Select **Set alarm** from the CLOCK menu.
2. Scroll to the **Off** option by pressing the right and left arrows. Press YES.

Diverting Incoming Calls

If you want to make certain that your incoming calls are taken care of when you are unable to answer them, you can use the Call Divert service of the cellular network to divert them to another phone number.

The Call Divert service lets you:

- Divert calls if you already are engaged in a call.
- Divert calls that you do not answer in 30 seconds.
- Divert calls when you have turned off your phone or you are unreachable.

You may want to use all three call diverts and you may divert calls to different phone numbers, depending on the situation.

You may also divert all calls regardless of whether your phone is turned on or off , or you are unreachable. If this function is activated the phone will not ring if a call is received.

If you have chosen to divert all calls, an arrow (↱) is shown at the bottom of the display.

Note! If you active the **All calls** divert, all other diverts will automatically be cancelled. They will, however, be activated again when you cancel the **All calls** divert.

How to Activate a Call Divert

1. Select the DIVERT menu.

   The first option in the DIVERT menu is **All calls**. To select another divert **On busy**, **Unreachable** or **No reply**, scroll with the right and left arrows.
2. Select the required divert option. Press YES.
3. Press YES to select **Activate**.
4. Enter the phone number to which you want your calls to be diverted, including the area code. Press YES.

   If you have used the divert option on an earlier occasion and then cancelled it, the phone number to which the calls were diverted will be suggested. Press CLR if you want to erase this number.

There may be a short delay before the network corresponds. In the meantime, the message **Please wait** is displayed. This is followed by the message **On busy/All calls/ No reply- Divert ON**, depending on which divert option you have chosen. The selected phone number is also displayed.

As a reminder, the display will inform you about any activated call divert each time you turn on the phone.

How to Check the Status of a Call Divert

1. Select the required call divert from the DIVERT menu.
2. Press YES and scroll to the **Get status** option.
3. Press YES and check the status.

The message **Please wait** appears followed by either the phone number and **Divert On** if the call divert is activated, or **Divert Off** if it is not activated.

How to Check the Status of All Call Diverts

1. Select the **Check all** option from the DIVERT menu.

The message **Please wait** appears followed by information about all call diverts, whether they are activated or not.

How to Cancel a Call Divert

1. Select the required call divert from the DIVERT menu.
2. Press YES and scroll to the **Cancel** option.
3. Press YES to cancel the divert.

The message **Please wait** appears followed by a message which informs you that the call divert has been cancelled.

How to Cancel All Call Diverts

- Select **Cancel all** from the DIVERT menu.

The message **Please wait** appears followed by a message which informs you that all call diverts have been cancelled.

Other Networks

When you turn on the phone, it normally selects its home network. If the home network is not within range, for example when you are abroad, you may use another network, provided your home network has an agreement that allows you to use the network. This is called *roaming*.

The NETWORKS menu includes a number of functions which you can use to determine how the phone searches for a network. You may also select a network yourself from those within range.

How to Select Search Mode

Automatic Search Mode

1. Select **Searchmode** from the NETWORKS menu.

2. Select **Auto** - automatic search mode. Press YES.

The phone will first search for its home network. If the home network is not available the phone will search for another available network within range.

The order of preference in which the phone will select a network is determined by a list of preferred networks on your SIM card.

Manual Search Mode

1. Select **Searchmode** from the NETWORKS menu.

2. Select **Manual**. Press YES.

The phone will first search for its home network and then for the network that was used last. If none of these networks are within range, the question **Select network?** appears.

3. To select network, press YES.

How to Select a Network

1. Select **Select net** from the NETWORKS menu.
   The message **Please wait** is displayed briefly.

- If the home network is within range and you are using it, the name of the network is displayed with the message **Current**.
- If you are using another network, the name of the home network is displayed with the message **Home**.

Note! Instead of the full name of a country and a network, an abbreviation is displayed when you use the NETWORKS menu. To see the full name of a network, press *.

- If the home network is not within range, the name of another network is displayed with the message **Current**, **Preferred**, **Available** or **Forbidden**.
  - **Current** means that the network in your display is the one currently used.
  - **Preferred** means that the name of the network is included in a list of preferred networks on your SIM card.
  - **Available** means that you are enabled to use the network. You may still be rejected.
  - **Forbidden** means that you are not allowed to use the network. You can, however, make emergency calls.

- If no network is within range, the message **No network** is displayed.
- If more than one network is within range, the name of the other networks can be displayed by pressing the right arrow.

2. When the network you wish to use is displayed, press YES to select it.

How to Start an Automatic Network Search

An automatic network search can be started at any time.

- Select **New search** form the NETWORKS menu.

Forbidden Networks

The names of the forbidden networks are stored in a list on your SIM card. If such a network is within range, it will be omitted when the phone searches for a network (automatic search mode).

If your home operator and an operator of a forbidden network come to an agreement that allows you to use the forbidden network, you can select this network even though the message **Forbidden** is displayed.

List of Networks

It is possible to create a list which defines the order of preference in which the phone will select a network during automatic network selection when the home network is not within range.

The numbers of networks that can be stored in the list depends on your SIM card.

The **Edit list** function lets you review the networks in the list, add networks to the list, delete networks from the list and rearrange the order of the networks.

How to Review the List of Networks

- Select **Edit list** from the NETWORKS menu.

The message **Please wait** is displayed briefly.

The name of the first network is displayed. If a network is within range a * is also displayed.

Note! To see a network's full name, press *.

You can scroll through the other networks in the list by using the right and left arrows.

How to Add a Network to the List

1. Select **Edit list** from the NETWORKS menu.
2. Scroll to the first free position in the list. The question **Add net?** appears.

   If you scroll to a position that already is occupied, you must press YES and then scroll with the right and left arrows until **Add net?** appears.
3. Press YES and scroll with the right and left arrows until you find the required network.

Note! If the the required network does not appear, press YES when the question **Other?** appears. Then enter the 3-digit country number and the 2-digit network number.

---

4. Finally, press YES to add the network to the list.

How to Erase a Network from the List

1. Select **Edit list** from the NETWORKS menu.
2. Scroll to the network you wish to erase and press YES.
3. Scroll until **Erase** appears.
4. Press YES to delete the network from the list.

How to Rearrange the List

1. Select **Edit list** from the NETWORKS menu.
2. Scroll to the network you wish to move and press YES. **Move** is displayed.
3. Press YES and enter the new position in the list.

DTMF Tones

You can use your phone to send DTMF (Dual Tone Multi Frequency) tones. This feature can be used for a variety of purposes, such as banking by phone or controlling an answering machine.

Automatic DTMF

You can send DTMF tones during a call. You can send the characters 0 – 9, *, and # as DTMF tones by pressing the corresponding keys.

The DTMF Pause Function

If you wish to send a code, for example your personal access number, it might be helpful to use the pause function. Before you make the call, enter both the phone number and the code, separated by a pause character.

How to Make a Call and Send a Code

1. Enter the required phone number.
2. Select the SPECIAL CHARACTERS menu by pressing the right arrow. Press YES.
3. Enter a pause character by pressing YES or by holding down *. The letter 'p' appears in the display.
4. Enter the code you wish to send. The code can be a combination of the digits 0 – 9 and the characters * and #.
5. Press YES to make the call.

When the call has been connected, the phone number disappears from the display. The code is sent automatically, character by character, after a short delay. The message **Sending** is displayed while the code is being sent.

How to Use Several Pauses

It is possible to enter several pauses. For example:

Phone no 'p'. Code1 'p' Code2

- When the call has been connected, the code, following the first pause character, will be sent automatically. To send the next code, press YES.

Pre-programmed DTMF Signalling

You can store a code in the phone book in the same way as you store a phone number. The code can be any combination of the characters 0– 9, * and #.

The maximum number of characters that you can store in the card memory depends on your SIM card. In the phone memory you can store up to 80 characters.

How to Send a Code – Alt. 1

1. Call the required phone number and wait until the call has been connected.
2. Recall the code from the phone book.
3. Press YES to send the code.

   The characters are sent one by one. In the meantime the message **Sending** is displayed.

How to Send a Code – Alt. 2

It is possible to store both a phone number and a code separated by a pause character in the phone book.

1. Recall the phone number and the code from the phone book.
2. Press YES to make the call.

   When the call is connected, the code is sent automatically after 3 seconds.

Who Is Calling?

The Calling Line Identification (CLI) service allows you to see the caller's phone number in the display, giving you a chance to identify the caller. This service may not be available on all networks and may require a separate subscription.

Incoming Calls

When an incoming call is received, the caller's phone number appears in the display. If the caller's name and number is stored in the phone book, the name of the caller will be displayed too.

1. Press YES to answer the call or NO to reject it.

Answered Calls

The phone numbers of the last answered calls are stored in the **Answered Numbers** memory. The number of calls are SIM card dependant.

How to Review Answered Calls

1. Select **Received calls** from the PHONE BOOK menu.

   The previous caller's number appears.

2. To see the other numbers, scroll with the right arrow.

   To call the number in the display, press YES.

How to Erase All Numbers from Dialled Numbers Memory

1. Select **Dialled numbers** from the PHONE BOOK menu.
2. Press and hold down CLR.
3. At the prompt **Erase all?**, press YES.

How to Erase All Numbers from Answered CallsMemory

1. Select **Answered calls** from the PHONE BOOK menu.
2. Press and hold down CLR.
3. At the prompt **Erase all?**, press YES.

Unanswered Calls

The phone numbers of the last 10 unanswered or rejected calls are stored in the **Missed Calls** memory.

How to Review Unanswered Calls

1. Select **Missed calls** from the MAIL menu.

   The previous caller's number appears together with the time the call was received.

If no information about a caller's number was received, the number is replaced by the message **Unidentified**. If a caller wanted to withhold his or her number, the message reads **Restricted**.

2. To see the other unanswered calls, scroll with the right arrow.

The day after a call has been received, the time of the call is replaced with the date. You can toggle between date and time by pressing *.

3. Press YES to call the number in the display.

Hiding Your Phone Number

Normally, your phone number will be sent when you make calls. If you do not wish your phone number to be sent on a particular call, the phone number can be hidden with the **Hide Id** function in the SPECIAL CHARACTERS menu.

Note! This function is operator dependant.

How to Hide Your Phone Number

1. Enter the phone number you wish to call.
2. Press the right arrow, followed by YES. The SPECIAL CHARACTERS menu appears.
3. Scroll to **Hide Id** with the right arrow.
4. Press YES to make the call. A special code is inserted in front of the phone number.

Showing Your Phone Number

If you subscribe to withhold your phone number when making calls, you can use the **Send Id** function in the SPECIAL CHARACTERS menu to send your phone number on a particular call.

Note! This function is operator dependant.

How to Show Your Phone Number

1. Enter the phone number you wish to call.
2. Press the right arrow, followed by YES. The SPECIAL CHARACTERS menu appears.
3. Scroll to **Send Id** with the right arrow.
4. Press YES to make the call. A special code is inserted in front of the phone number.

Handling More than One Call

The phone allows you to handle more than one call simultaneously. This means that you may hold a call in progress and make or answer a second call and then switch between the two calls.

How to Activate the Call Waiting Service

To be able to receive a second call, you must activate the **Call Waiting** service.

1. Select **Call Waiting** from the ACCESS menu.
2. Press YES to activate.

There may be a short delay before the network responds. In the meantime, the message **Please wait** is displayed. This is followed by the message **Call waiting ON**.

How to Cancel Call Waiting

1. Select **Call Waiting** from the ACCESS menu.
2. Scroll to **Cancel**.
3. Press YES to cancel **Call Waiting**.

The **Get status** option lets you check whether the service is activated or not.

How to Make a Second Call – Alt. 1

1. Clear the display by pressing CLR while the first call is in progress.
2. Press YES to put the current call on hold. The message **1 on hold** is displayed.
2. Enter the number you wish to call, or recall it from the phone book, and press YES.

How to Make a Second Call – Alt. 2

1. Enter the number you wish to call while the first call is in progress.
2. Press YES to make the call. The message **1 on hold** is displayed.

Receiving a Second Call

You will hear a tone in the ear piece and the message **Call wait** appears in the display if the **Call Waiting** function is activated.

How to End Current Call and Accept Waiting Call

1. Press NO to end the current call.

   The question **Answer?** appears.
2. Press YES to answer the waiting call.

How to Put Current Call on Hold

1. Press YES to put the current call on hold.

The message **1 on hold** appears.

How to Reject Waiting Call

- Press '0' followed by YES to reject the waiting call and continue the current call.

The waiting call is cleared. If the caller's network supports it, the caller will hear a busy tone.

Note! If **Divert On busy** is activated, the waiting call is diverted to the number you have specified.

How to Switch Between Two Calls

1. Press YES to switch between the active call and the call on hold.

How to End the Current Call

1. Press NO to end the current call.

   The message **Retrieve held call?** appears.

2. Press NO to end the held call or press YES to return to the held call.

Note! If you do not press YES or NO within three seconds, the message **Retrieve held call?** disappears from the display. The held call is ended automatically.

Receiving a Third Call

Provided your **Call Waiting** function is activated, you may receive a third call when you are engaged in one call and have a second call on hold. You will hear a tone in the ear piece and the message **Call Wait** appears in the display.

How to Accept the Call

Only one call can be in hold at a time. If you wish to accept the third call you must end one of the existing calls or both.

If you end one of the existing calls:

1. Press YES to accept the waiting call.

If you end both calls:

The phone rings and **Answer?** is displayed.

1. Press YES to answer the waiting call.

How to Reject the Call

1. Press '0' followed by YES.

The third call is cleared. Provided the caller's network supports this function, the caller will hear a busy tone.

Note! If **Divert On busy** is activated, the waiting call is diverted to the number you have specified.

How to Connect Two Calls

If you have one active call and one on hold, it is possible to connect the two calls.

- Press '4' followed by YES.

You are now disconnected from both calls.

Conference Calls

The **Conference Call** service allows you to have a joint conversation with up to five people. You may put an individual or a group of conference members on hold while you add other people to the conference call. You may also put conference members on hold while you talk to someone privately.

The **Conference Call** service may not be available on all networks.

How to Initiate a Conference Call

1. Call the first person you wish to include in the conference call.
2. Put this person on hold by pressing YES.
3. Call the second person you wish to include in the conference call.
4. Press '3', followed by YES to include the two people in the conference.

You can put the conference group on hold and then add a third member by repeating steps 2 and 4.

It is possible to add up to five members using the same method.

How to Have a Private Conversation

If you wish to have a private conversation with one of the members, you can put the other members on hold.

1. Press '2' and the number of the member and then YES. For example, to talk to member number 3, press '2' '3' and YES.

How to Release One of the Members

- Press 1, the number of the member and then YES.

For example, to release member number 1, press '1' '1' YES.

How to End a Conference Call

- Press NO to end the conference call.

The Answering Service

The answering service of your network lets your callers leave a voice message when you cannot or do not wish to answer all calls. This service may not be available on all networks and may require a separate subscription.

Voice Mail

The **Voice mail** function makes it easy to call your answering service to listen to recorded voice messages. Before you can use the **Voice mail** function it must be activated.

How to Activate the Voice Mail

1. Select **Set VoiceM** from the MAIL menu.

Note! If the number to your answering service can be retrieved from your SIM card, the number is displayed between brackets. (This also applies if you have entered the number yourself at an earlier occasion and then turned the **Voice mail** function off.)

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2. Press YES to activate the **Voice mail** function.

   If no number is displayed between the brackets, press YES.

3. Enter the number.
4. Press YES to activate the **Voice mail** function.

How to Call the Answering Service

You can call the answering service at any time to listen to recorded messages.

- Select **Voice mail** from the MAIL menu.

Follow the instructions given to you.

Further information about the use of the answering service is found in the operating instructions supplied by your network operator.

How to Change the Number to the Answering Service

1. Select **Voice mail** from the MAIL menu.
2. Scroll to **New number** and press YES.
3. Enter the new number and press YES.

How to Turn off the Voice Mail

1. Select **Voice mail** from the MAIL menu.
2. Press YES to turn the **Voice mail** function off.

Sending and Receiving Text Messages

The Short Message Service (SMS) allows you to send and receive text messages. A message may contain up to 160 characters.

Text messages can be received when the phone is in standby mode, when you are engaged in a call or when incoming calls are diverted to another phone number. If the phone is turned off when somebody sends a message to you, a message will be displayed when you turn on the phone.

Note! This function may not be available on all networks.

The Messages Memory

When you receive a text message it can be read at once. However, the message is automatically stored in the **Messages** memory in the phone which allows you to read it later on.

A letter icon ( ) is shown to the left at the bottom of the display, as a reminder that one or more unread messages have been received.

The messages memory can hold up to 10 messages. When all memory positions are occupied, the oldest read message will be overwritten when a new message is received.

If the Messages memory becomes full with unread messages, new messages will automatically be stored in the SIM card memory. If the SIM card memory becomes full, the letter icon ( ) starts blinking.

Messages will remain in the Messages memory until you erase them or until you insert a different SIM card.

The SIM Card Memory

You can store important messages on your SIM card. This means that you can retrieve them regardless of which phone you are using.

How to Set the Phone for Text Messaging

If the phone number to your network service centre cannot be retrieved from your SIM card, you must specify the number yourself. Otherwise you cannot reply to received messages or send your own messages.

1. Select **Send messages** from the MAIL menu.
2. Press YES to select **Options**.
3. Enter the number of the service centre and press YES.
4. Press CLR to return to standby mode.

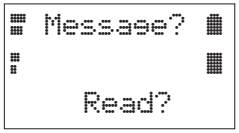
Your phone is now ready to send and receive messages.

Note! In some countries you are only able to send and receive messages within your operator's network.

How to Read a Message

When you receive a message a signal sounds. The indicator light on top of the phone blinks rapidly green.

The display shows:



- Press NO if you want to read the message later on.
- Press YES if you want to read the message at once.

The date and sender will appear in the display.

- Press YES to read the message.
- Scroll forward through the message with the right arrow and back through the message with the left arrow.
- To move three lines forward, press '3'.

The message **Reply?** appears after the last line of the message. If the caller wants you to reply, the displayed message will say **Reply Requested, Reply?**, provided your network supports this.

How to Reply to a Message

1. Press YES to reply to the message.

An empty display appears.

To send your message, proceed as described in *How to Send Messages*.

2. Press NO if you do not want to reply.

How to Erase a Message

1. Press NO if you do not want to reply to a message.

   The message **Erase?** appears.

2. Press YES to erase the message from the **Messages** memory.

You will now automatically come to the next message in the message list.

Note! You can press CLR anywhere within the menu to erase a message. When the message **Erase?** appears, press YES.

How to Store the Message

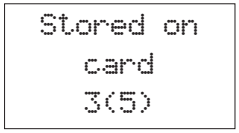
- Press NO if you do not wish to erase the message.

  The message will remain in the **Messages** memory.

  The message **Store?** appears.

- Press YES to store the message in the SIM card memory. The message is erased from the **Messages** memory.

The display will now show the position of the message.



For example that it is the third of five messages that can be stored.

- Press NO if you do not want to store the message in the SIM card memory. The message will remain in the **Messages** memory.

How to Call a Phone Number in a Message

- Press YES to call a phone number found in the display to call the number direct.

After the number has been called, the message is considered read and it remains in the **Messages** memory.

How to Read Stored Messages

1. Select **Read messages** from the MAIL menu to read messages from the **Messages** memory. Select **Card messages** to read messages stored in the SIM card memory.
2. Press YES.
3. Scroll with the right and left arrows until you find the message you are looking for.
4. Press YES.
5. Read the message as described in *How to Read a Message, p. 42*.

How to Send Messages

1. Select **Send messages** from the MAIL menu.
2. Press YES.

   New appears in the display.
3. Press YES to enter a new message.

   An empty display appears.
4. Enter your message.

You can backspace with the left arrow and erase characters to the left of the cursor or insert characters in the cursor's position.

5. Press YES when you have completed your message.
6. Press YES if you wish the receiver to reply to the message. Press NO if you do not.
7. Enter the receiver's phone number or recall it from the phone book. To access the phone menu, press the left arrow.
8. Press YES to send the message now or NO to store the message for later use.

If you decide to send the message later, the message is labelled **Written** instead of **Sent** when you access the message.

How to Repeat a Message

Sometimes you may want to repeat a message when the receiver could not be reached. You can instruct you Service Centre to repeat a message for a certain amount of time: 1 hour, 12 hours, 1 day, 1 week or maximum (depending on your operator).

1. Select **Send messages** from the MAIL menu.
2. Scroll to **Options** and press YES.
3. Press YES to select the **Valid per** option.
4. Scroll to the desired repeat length and press YES.

How to Change a Message Type

The phone is prepared for sending other types of messages. Your Service Centre of your network may offer the facility to convert a text message into a format (fax, telex, voice, etc.) that suits the receiver of the message.

Consult your Service Centre for further information about the formats you can use.

1. Select **Send messages** from the MAIL menu.
2. Scroll to **Options** and press YES.
3. Scroll to the **Msg type** option and press YES.
4. Select the required format and press YES.

Note! Standard stands for an ordinary text message (SMS).

Area Information

The ordinary Short Message Service can be defined as a personal service with messages specifically and exclusively directed to you. The Area Information (AI) is another type of text message which is sent to all subscribers in a certain cell of a network at the same time.

The information may be a local road report or a local taxi phone number.

Note! This feature may not be available on all networks.

How to Turn On the Area Information

1. Select **Area info** from the MAIL menu.
2. Press YES.
3. Scroll to **On** and press YES.

AI messages will now be presented in your display.

How to Turn the Area Information Off

1. Select **Area info** from the MAIL menu.
2. Press YES.
3. Scroll to **Off** and press YES.

Area Information Message Types

Each type of AI message is identified by a three digit code. At present the following message types exists:

Code	AI Message Type
000	Index
010	Flashes
020	Hospitals
022	Doctors
024	Pharmacy
030	Long-distance road reports
032	Local road reports
034	Taxis
040	Weather
050	District (base station identity)
052	Network information
054	Operator services
056	Directory enquiries (national)
057	Directory enquiries (international)
058	Customer care (national)
059	Customer care (international)

Refer to the information supplied by your network operator for information about the AI services you can use.

The Area Information Message List

You can decide which types of AI messages you wish to receive. The phone's Area Info list can hold up to 9 codes.

How to Insert an Area Information Code

Provided you have turned on the presentation of AI messages, you can access the **Area info** list from the MAIL menu.

1. Select **Area info** from the MAIL menu.
2. Press YES.
3. Scroll to **Edit list** and press YES.

   The digits to the left indicate the position in the list. You can scroll forward and backward through the list with the right and left arrows.
4. To insert a code, scroll to the first empty location by using the right arrow. Press YES.
5. Enter the new code. (You only need to enter 40 for 040, since the phone will add the leading zero automatically.)

How to Erase or Replace a Code

1. Select **Area info** from the MAIL menu.
2. Press YES.
3. Scroll to **Edit list** and press YES.
4. Scroll to the code you wish to erase. Press YES.
5. The message **Erase?** appears. Press YES.
6. To replace the code press the right arrow, followed by YES.
7. Enter the new code and press YES.

How to Receive Area Information

The last messages received of the type, specified by the code in positions 1 and 2 in the **Area info** list, are stored in the phone.

You can read the messages with the **Area messages** function in the mail menu.

1. Select **Area messages** from the MAIL menu.
2. Scroll from one message to another with the right and left arrows.
3. Press YES to select a message.

The Two Line Service

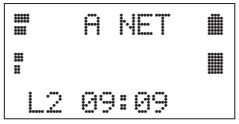
Two voice lines with different phone numbers, Line1 and Line2, may be assigned to your phone. The ability to receive and send text messages (SMS), is only available on Line1. The Two Line service may not be available on all networks and may require a separate subscription.

How to Select a Line

1. Select the menu that allows you to alternate between Line1 and Line2.
2. Press YES.

Note! Instead of accessing the menu system, you can press and hold down the 1 or 2 key to change line, provided the phone is in standby mode. Clear the display first by using the CLR key.

The selected line is indicated as L1 or L2 to the left at the bottom of the display.



From now on, all outgoing calls are made on the selected line. You can however, be called on both lines.

How to Answer a Call on Line1 or Line2

When someone is calling you, the question **Answer?** is replaced by Line1 or Line2 depending on which line the call is received.

- If you are engaged in a call on one line, you must end this call first before answering the call on the other line.

Different Settings for Each Line

You can have different settings for each line, for example the tone of the ring signal, call diverts, call bars and waiting function.

The call meters in the INFO menu show the call times (call costs) for the line currently selected.

How to Change the Name of the Two Lines

In the SETTINGS menu there is a function, Line 1 or Line 2, depending on the line currently selected, that lets you give each line a new name. Twelve characters can be entered at the most.

The Call Time/Call Cost

During an outgoing call, the call time is shown in the display.

With the **Call info** function in the SETTINGS menu you can have the time displayed for all calls, both incoming and outgoing.

You can also have the call cost or the number of call units displayed provided your network and your SIM card support this feature.

How to Check Time or Cost of Last Call

You can check the time/cost of the last incoming (or outgoing) call with the **Last call** option in the INFO menu.

- Select the INFO menu.

Depending on the setting in the **Call info** function in the SETTINGS menu, you can check:

- The elapsed time of the last outgoing call.
- The elapsed time of the last incoming call provided you have chosen the **Time:All** option in the **Call info** function in the SETTINGS menu.

How to Check Total Call Time or Call Cost

- Select **Tot calls** from the INFO menu.

Depending on the settings in the **Call info** function in the SETTINGS menu, you can check:

- The elapsed time of all outgoing calls.
- The elapsed time of all incoming and outgoing calls.
- The cost (or the number of call units) of all incoming and outgoing calls.

How to Reset the Total Call Time/Cost Meter

1. Select **Tot calls** from the INFO menu.
2. The message **Reset?** appears. Press YES to reset the meter.

Note! If you have chosen the call cost option you must enter the PIN2 code to reset the meter.

How to Determine the Call Cost

This function only appears if you have selected the **Cost** option in the **Call info** function in the SETTINGS menu.

Note! Your SIM card must allow the call cost to be displayed.

- Select **Price** from the INFO menu.

The **Home** option means that the number of call units will be displayed during a call, and in the **Last call** and **Tot calls** functions.

The **Price** function lets you enter and vary the price per call unit. The price entered will be stored on your SIM card.

How to Enter the Price per Call Unit

1. Select **Price** from the INFO menu.
2. Press YES to select the **Home** option.
3. Press YES to select **New price**.

4. Enter the new currency with the numeric keys , for example GBP for Pounds Sterling, and press YES.
5. Enter the price per call unit, for example 0.25, and press YES. To enter the decimal points, press * or #.
6. Enter the PIN2 code and press YES.

How to Revert to Displaying Call Units

1. Select **Price** from the INFO menu.
2. Press YES to select the **Home** option.
3. Press YES to revert to displaying call units.

How to Set a Credit Limit for Calls

Provided both your network and your SIM card support this feature, you can enter a total amount of money that can be used for making calls. After a call has been made, the call's cost will be deducted from this amount. When the amount has reached zero, no more calls can be made.

1. Select **Credit** from the INFO menu.
2. Press YES to select **New credit**.
3. Enter the amount, for example 30 pounds, and press YES.
4. Enter the PIN2 code and press YES.

Fixed Dialling

The Fixed Dialling function allows calls to be made only to fixed numbers stored on the SIM card. If an attempt is made to call other numbers, the message **Number not permitted** appears in the display.

It is possible to store partial numbers, for example an area code or an area code followed by the first digits common to several numbers. Storing 0123456 allows calls to be made to 0123456**00** and 0123456**25**. Here you only need to add the last two digits.

Also numbers beginning with the international + character and country code can be stored, allowing calls to be made from abroad.

Numbers including question marks can be stored. For example, storing 0123456**?**0 allows calls to be made to 012345670**0**1 and 012345670**9**0. To enter a question mark, hold down #.

The Fixed Dialling function does not prohibit calls to the international emergency number 112 and the Service Centre of the cellular network. Network services such as Call Divert and Call Barring cannot be used.

The maximum fixed numbers that can be stored depends on your SIM card.

How to Activate Fixed Dialling

1. Select **Fixed dial** from the ACCESS menu.
2. Enter the PIN2 code and press YES.
3. Scroll to **On** with the right and left arrows and press YES.

How to Cancel Fixed Dialling

1. Select **Fixed dial** from the ACCESS menu.
2. Enter the PIN2 code and press YES.
3. Scroll to **Off** with the right arrow and press YES.

How to Store Fixed Numbers

1. Select **Fixed numbers** form the PHONE BOOK menu.
2. Scroll to **Store** with the right and left arrows and press YES.
3. Enter the PIN2 code and press YES.
4. Enter the name (optional) and the fixed number in the same way as when storing an ordinary phone number.

How to Edit a Stored Number

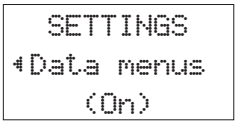
1. Select **Fixed numbers** form the PHONE BOOK menu.
2. Scroll to **Edit** with the right and left arrows and press YES.

After you have entered the PIN2 code you can change the position number, the name or the fixed number in the same way as you can for an ordinary phone number.

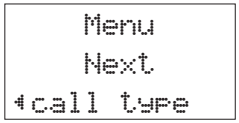
Data Menus

The phone can be used with the Ericsson Mobile Office kit. This links the phone to a desktop or laptop PC, allowing you to use data communication and fax services from the PC.

The **Data menus** function in the SETTINGS menu lets you activate two data menus.



These data menus, SPEECH THEN FAX and NEXT CALL TYPE , must be activated if you have the same number for all types of calls to your mobile phone. This is called single numbering.



If you have different numbers for speech, fax and data communication to your mobile phone the data menus do not have to be activated. This is called multi numbering.

The menu SPEECH THEN FAX will appear before the INFO menu when you scroll with the right and left arrows. The menu NEXT CALL TYPE will appear after the INFO menu.

See the User's manual for the Mobile Office kit for further information about the use of the two menus.

If you wish to divert incoming calls, you can divert phone calls, fax calls and data calls to different numbers in the DIVERT menu.

You can set different ring signals for incoming phone, fax and data calls in the **Ring type** function in the SETTINGS menu.

The Calculator

The phone's built-in calculator supports the four fundamental rules of arithmetic and percentages.

How to Use the Calculator

In this example we are going to divide 134 by 32.

1. Scroll to the CALCULATOR menu and press YES.
2. Enter 134.
4. Scroll with the right and left arrows to the division sign (/), and press YES.
5. Enter 32.
6. Scroll with the right and left arrows to the equal sign (=) or press #.
7. Press YES to get the result.

How to Enter a Decimal Point

Press * to get a decimal point.

Note! Press * twice to multiply.

Composing Your Own Ring Signal

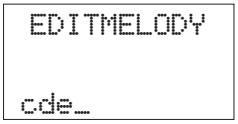
The Phone's Note System

Your phone has the capability of handling a range of tones spreading over two octaves. See the table below to understand the relationship between the notes and the numeric keys on the telephone.

How to Enter a Simple Melody

The simple melody is Do-Re-Me. This song corresponds to the C, D and E notes on a music scale.

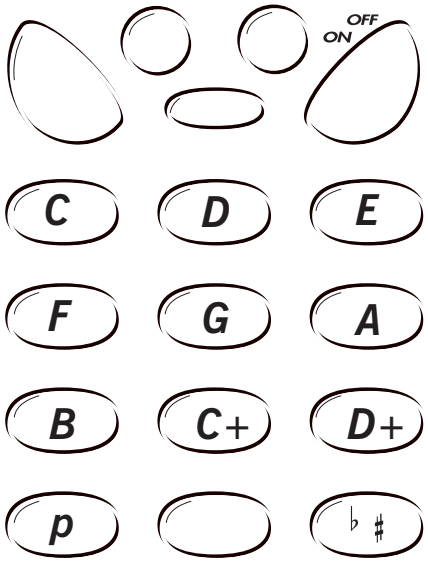
1. Select **EditMelody** from the SETTINGS menu.
2. Clear the display by pressing CLR.
3. Press 1. The display will now show a c.
4. Press 2. The display will now show c and d.
5. Press 3. The display should now look like this.



6. Press YES to test the melody.

   The phone plays the melody and asks you if you want to save it.
7. Press YES to save the melody as an alternative in the **Ring type** function in the SETTINGS menu.

Press this:	To:
1–9	Insert notes. To get a short note press the key for a short time. To get a long tone, hold down the key.
#	Increase or decrease the pitch of the note to the left of the cursor in half tone steps. Press once for sharp, twice for flat and three times for normal pitch.
*	Insert a short pause.
The arrows	Scroll within the melody. Press and hold down to go the beginning or end of the melody.
0	Get a higher or a lower octave for the note you have inserted. A + in front of the note indicates a higher octave.
CLR	Erase the note to the left of the cursor. Press and hold down to erase the whole melody.



Problems You Can Solve

This chapter lists some simple things you should check before calling for service personnel. This could save you the cost of unnecessary service.

The Phone Does Not Come On

Handheld phone:

The battery may have to be charged or replaced.

Handsfree phone in vehicle:

Ensure that the phone is properly inserted in its holder.

Check the fuse. The fuse holder is fitted to the battery cable, near the vehicle's battery.

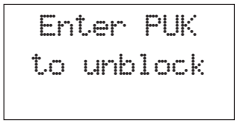
Wrong PIN or PIN2 Has Been Entered

Enter the correct PIN or PIN2, and press YES.

The SIM Card Has Been Blocked

If the PIN code has been entered incorrectly three times in succession the card will be blocked. The following message will appear:

1. Press YES to unblock the SIM card.



2. Enter your personal unblocking key (PUK) and press YES.

   The PUK is obtained from your network operator or service provider when you purchase your SIM card.

3. Enter a new PIN code and press YES.

   You can of course also enter the PIN code you used previously.

If you have entered both the unblocking key and the PIN code correctly, the message **New PIN** appears.

Note! If the PUK is entered incorrectly 10 times in succession the SIM card will be permanently blocked. You need to contact your network operator or service provider.

The PIN2 Code

The procedure outlined above also applies to the PIN2 code. Use the PUK2 to unlock the code. The PUK2 code is obtained from your network operator or service provider.

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