

User Ma

WORD

MULTI



GSN 900/1900



**BOSCH**

# PRECAUTIONS



## Exposure to radio frequency signals

Your mobile handheld portable telephone is a low power radio transmitter and receiver. When it is on, it receives and also sends out radio frequency (RF) signals.

In August, 1996, the Federal Communications Commissions (FCC) adopted RF exposure guidelines with safety levels for handheld mobile phones. Those guidelines are consistent with the safety standards set by both U.S and international standard bodies:

ANSI C95.1 (1992)\*  
NCRP Report 86 (1996)\*  
ICNIRP (1996)\*

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1).

The design of your phone complies with the FCC guidelines and the above standards.



## Antenna care

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.



## Phone operation

**Normal position:** Hold the phone as you would any other telephone with the antenna pointed up and over your shoulder.

### Tips on efficient operation:

- Extend your antenna fully.
- Do not touch the antenna unnecessarily when the phone is in use. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.



## Driving

Check the laws and regulations on the use of mobile telephones in the areas where you drive. Always obey them. Also, if using your phone while driving, please:

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



## Aircraft

FCC regulations prohibit the use of phones while in the air. Switch off your phone before boarding an aircraft.



## Blasting areas

To avoid interfering with blasting operations, turn your phone off when in a "blasting area" or in areas posted: "Turn off two-way radio". Obey all signals and instructions.

\* American National Standards Institute; National Council on Radiation Protection and Measurement; International Commission on Non-Ionizing Radio Protection.



## Electronic devices

Most modern electronic equipment is shielded from RF signals. However, certain electronic equipment may not be shielded against the RF signals from your mobile phone.

### Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of 2.5 cm be maintained between a handheld mobile phone and a pacemaker to avoid potential interference with the pacemaker.

These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers:

- Should always keep the phone more than 2.5 cm from their pacemaker when the phone is turned on.
- Should not carry the phone in a breast pocket.
- Should use the ear opposite the pacemaker to minimize the potential for interference.
- If you have any reason to suspect that interference is taking place, turn your phone off immediately.

### Hearing aids

Some digital mobile phones may interfere with some hearing aids. In the event of such interference, you may want to consult your network operator or service provider or call the customer service line to discuss alternatives.



## Other medical devices

If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from external RF signals. Your physician may be able to assist you in obtaining this information.

Turn your phone off in health care facilities when any regulations posted in these areas instruct you to do so.

Hospitals or health care facilities may be using equipment that could be sensitive to external RF signals.



## Potentially explosive atmospheres

Turn your phone off when in any area with a potentially explosive atmosphere and obey all signs and instructions.

Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Areas with 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, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

### Airbags

An airbag inflates with great force. Do not place objects, including installed or portable mobile equipment in the area over the airbag or in the airbag deployment area. If in-vehicle mobile equipment is improperly installed and the airbag inflates, serious injury could result.

# PRECAUTIONS/ IMPORTANT NOTICE



## Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.



## Children

A mobile telephone is not a toy. Keep the phone in a safe place out of children's reach. Children may harm themselves or others and they may damage the phone.



## Electrical safety

This mobile telephone is intended for use when supplied with power from MA 4001, MA 4002, MA 4003 and MA 4004 chargers. The use of any other battery charging equipment will invalidate any approval given to this apparatus as well as the manufacturer's warranty.



## Batteries

Batteries may explode if incinerated. To prevent any injury or burn please observe that the battery terminals never get in contact with conducting objects or are short circuited. Never dispose of old batteries in your household refuse. Return them to the place of purchase or take them to a recycling centre so that they may be disposed of in an environmentally friendly manner.

*This telephone is designed for use in either*

### **GSM 900 and GSM 1800 networks**


Handover between the two types of network takes place automatically and seamlessly  
*or*

### **GSM 900 and GSM 1900 networks**

The telephone connects automatically to the present network.

## SIM card limitations

Network operators offer different kinds of services and different kinds of SIM cards. Please contact your network operator for further details.

Depending on your type of SIM card some features described in this user guide may not be available to you or may not be operated in the way described. Where a feature relates to the network you will see this symbol  in the user guide.

The memory capacity of your SIM card may differ from one type of card to another.

## Accessories

The use of other types of chargers, batteries or any accessories other than those recommended for use with this telephone will invalidate any approval given to this apparatus as well as the manufacturer's warranty on the telephone.

## Care of your phone

Do not try to open the phone as this might damage vital parts. The phone contains no components which can be repaired by the user. Any repair requires expertise and should be carried out only by an authorized service centre.

To clean your phone, wipe over with a soft cloth. Do not use alcohol or other solvents as these will harm your phone.

Do not use your mobile phone in high humidity environments or where the temperature falls below -10° or exceeds +55° C.

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# KEYPAD FUNCTIONS

## LED (Status indicator)

Slow green flash: Your phone is in contact with a network.

Fast green flash: Indicates an incoming call.

Slow red flash: Your phone cannot get in contact with a network.

Fast red flash: The battery needs recharging.

## ⊙ On/off key

Press the key for one second to switch your telephone on or off.

## ⊙ ⊙ Function keys with text line in display

The function of each key varies according to whether you are in standby, menu or conversation mode. The text line at the bottom of the display will inform you of the actual function of each key at any time.

## ▲ ▼ Arrow keys up/down

For controlling volume level when in conversation, and scrolling through menus, phone book, lists, messages etc.

## 📞 Voice mail key

Quick access to your voice mail.

## \* Key

Inserts the "+" before international phone numbers.

## # Key

Inserts a pause between the main number and the extension number.





## Introduction

### Making a call

Enter phone number. Press **CALL**

### Answering a call

The telephone rings. Press **ANSWER**

### Ending a call

Press **END**

### Back to standby mode

Press **EXIT**

The telephone automatically returns to standby mode when no key has been pressed for 60 seconds.



### Battery level indicator

See page 8 for more information.



### Signal strength indicator

The stronger the signal (more signal bars displayed), the better the radio connection.



### List menu indicator



### Phone book indicator

## Scroll indicators



Shows you that there are more functions up or down which you can access. Also used for scrolling through the list menus.



Indicates which key to press to increase and decrease the volume level.



### Call indicator

## SMS message indicators



There is a new message for you.



On: There are still unread messages.  
Flashing: The SMS memory is full.



### Voice mail indicator

Indicates that there is a voice mail for you.



### Call divert indicator

On: All calls to your mobile telephone are diverted to another telephone number.  
Flashing: Check the status of your call diverts.



### Microphone off indicator



### Volume level indicator

Indicates volume level when adjusting.



### Ring volume off indicator



### All-tones-off indicator

See page 31 for more information.



### Calculator

Survey of arithmetic operations in the calculator menu.

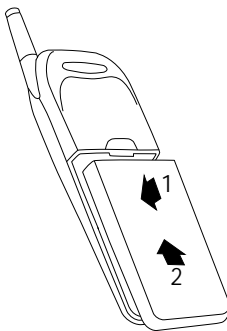
## Display and keypad backlighting

The backlight switches on automatically when you press a key. In standby mode the light will automatically switch off if no key is pressed for 10 seconds or more.

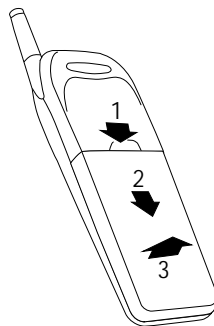
# BEFORE YOU START

## Insert rechargeable battery

When changing the battery your phone should always be switched off.



Insert

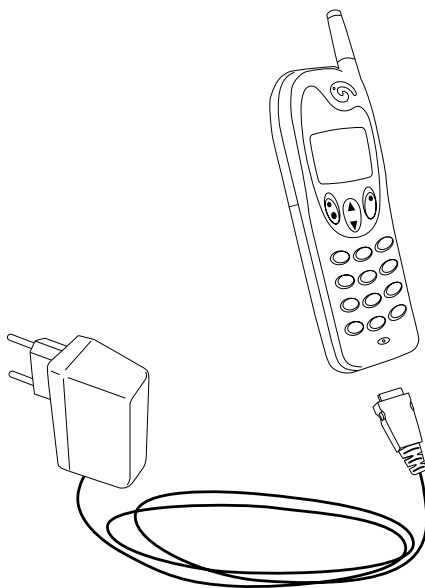


Remove

## Charge the battery

The battery supplied with this telephone is completely discharged. The telephone will initiate charging as soon as you have inserted the charger plug. The battery takes 1 to 4 hours to become fully charged depending on type and size of the battery.

To obtain optimum battery performance in daily use, wait until the battery is completely discharged, before recharging to full capacity.



## Battery level indicator

During charging the battery symbols will flash on and off one after another continuously from the bottom of the display up. When the battery is fully charged all 4 symbols are permanently displayed as long as the phone is switched on.

- 4 batteries: Battery is fully charged.
- 1- 3 batteries: Battery is partly discharged.
- 0 batteries: Battery needs recharging. You have limited conversation time left. At the same time the phone will emit a short warning tone and the LED on top of the phone will emit a fast red flash.

If you insert another battery, this should be fully charged in order to read out the battery capacity accurately.



## Insert SIM card

Before you can make a call on your mobile phone you have to insert the SIM card.

Should you have forgotten to insert the SIM card the telephone will ask you to do so.

Before inserting the SIM card into the phone please make sure that any plastic remains from the frame punching have been removed.

1. Switch off your phone.
2. Remove the battery if attached on the phone.
3. Insert the SIM card in the slot and slide it upwards until the locking catch snaps. Please note that the truncated corner should be at the bottom right.
4. Insert the battery.
5. Switch on the telephone.

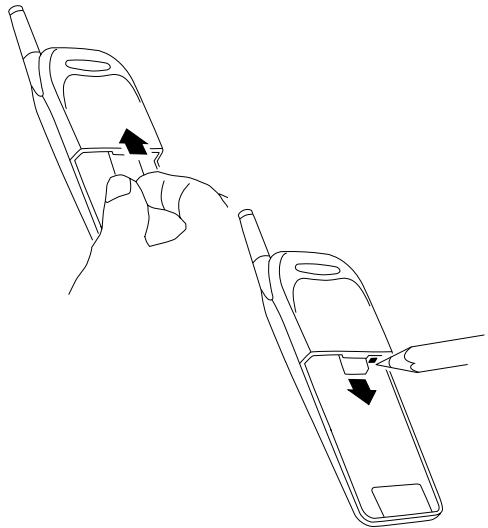
The phone will display a welcome greeting.

6. Enter PIN code, if requested, and confirm by pressing **OK**.

The telephone will now start searching for your home network. When connection is successfully established, the name of your network operator will be displayed.

If the telephone cannot get in touch with your home network it will start searching for another co-operating network.

If the phone cannot establish contact with any network at all and you attempt to make a call, the display will show **please redial later**.



## Remove SIM card

To remove the SIM card press the small red catch to the right of the SIM card with a pencil or other pointed object.

# MAKING YOUR FIRST CALL

## Selection of language

The display language of your phone is normally the national language of the country in which you purchased your SIM card. If this is not the case the display language will be English. You have the option of choosing between different languages.

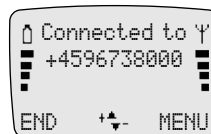
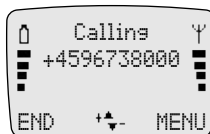
⚠ If by mistake you select a language which you don't understand you can return to your own language by pressing the following keys:

\* # 0000 # .

1. Press **MENU**
2. Press 31
3. Select language using ▼
4. Confirm by pressing **OK**
5. Press **EXIT**

## Making your first call

1. Enter the phone number you want to call.
2. Press **CALL** to make the call.
3. Press **END** to end the call.



If you call a phone number which is diverted to another phone number, the display will show the phone number to which you are connected and not the one entered by you.

## International calls

When making an international call, enter "+" by pressing the \* -key for one second and then enter the relevant national code number before the telephone number (e.g. +45 for Denmark).

## Phone numbers with extension number

Extension numbers can be dialled by entering a pause between the main number and the extension number. To enter a pause, press the **#**-key for one second until the pause code **P** appears on the display.

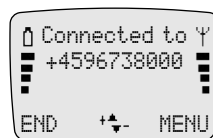
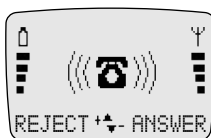
## Emergency calls

In most cases emergency calls can be made with or without a SIM card. To make an emergency call without a SIM card just enter the worldwide mobile phone emergency number 112 (In the U.S. 911), press **SOS** and confirm by pressing **CALL**.

## Answering a call

1. Press **ANSWER** when the phone rings.
2. Press **END** to end the call.

Use the arrow keys **▲** and **▼** to increase and decrease the speaker volume.



## Muting the microphone

While having a call, you may wish to have a private conversation with someone else. You will hear everything your caller says but you cannot be heard by the caller.

### To switch off the microphone:

1. Press **MENU**
2. Select **Microphone off**

### To return to your telephone conversation:

1. Press **MENU**
2. Select **Microphone on**

Your telephone supports the following network options: Having more than one conversation at a time, placing calls on hold, switching between calls, joining calls and transferring a conversation to another phone number.

## How to proceed

1. Press **MENU** when in conversation.
2. Select using ▼ either

**Microphone off**  
**Hold call**  
**Continue call**  
**Switch calls**  
**Drop active**  
**Join calls**  
**Private**  
**Drop held**  
**Transfer call**  
**Phone book**  
**Send message**

3. Confirm by pressing **SELECT**

Note: The status of the call determines which menu items are visible and available for you to select.

## Putting a call on hold

You can make a second call without having to end a call that is currently active. Key in the second phone number and press **CALL**.

The first call will automatically be put on hold. Please be aware that you can only have one call on hold at a time. You can also put calls on hold manually by selecting **Hold call**.

## Continuing a call

When you want to retrieve the call put on hold, just select **Continue call**.

### Switching between calls

If you select **Switch calls**, the active call will be put on hold and the call on hold will now be active. In this way you can switch between your conversations.

### Ending an active call while another is on hold

An active call can be ended by selecting **Drop active**. The held call will remain on hold and you have to retrieve it to continue conversation.

### Joining calls

If you have an active call and a call on hold at the same time, you can select **Join calls** to enable all of you to speak together.

### Having a private call while others are on hold

If you have joined all calls and want to have a private conversation with one of the callers, select **Private**. The other calls will be put on hold.

### Ending a call put on hold

You can end the call put on hold by selecting **Drop held**.

### Transferring a call

If you have an active call and a call on hold you can transfer the call without breaking the connection by selecting **Transfer call** so that the other parties can continue speaking to each other.

### Calling a number in the phone book

During a conversation you can make a new call to a number stored in your phone book by selecting **Phone book**.

### Sending an SMS message

If you want to send a message to a third party select **Send message**.

## How to lock the keypad

To avoid making calls accidentally you can lock the keypad.

1. Press **MENU**
2. Press **#**

If you try to activate one of the keys, the display will tell you that the keypad is locked.

## How to unlock the keypad

The keypad lock is automatically disabled

- during an incoming call until you have finished your conversation
- when the telephone is placed in the hands-free car installation kit

1. Press **UNLOCK**
2. Press **#**

You can store names and telephone numbers in a phone book. The entries are stored on the SIM card and the number of entries is dependent on the capacity of the SIM card.

The length of a name or a telephone number depends on your SIM card.

There are several characters available on each key, as shown in the table below. Press once to get the first character, twice to get the second character, and so on. When you need a space between two characters, press **#**

Holding down one of the keys for one second will give you the option of lower case. Just press the key again for one second to return to upper case.

<b>1</b> CD 1 .,:;'!"!j?¿ &%E\$¥@#§¤	<b>7</b> PQRS P Q R S 7 ß Π Φ Ψ Σ p q r s 7 ß
<b>2</b> ABC A B C 2 Æ Ä Å Ç a b c 2 æ ä å ç	<b>8</b> TUV T U V 8 Ü Ø t u v 8 ü ø
<b>3</b> DEF D E F 3 É Æ d e f 3 é è	<b>9</b> WXYZ W X Y Z 9 Æ w x y z 9
<b>4</b> GHI G H I 4 Γ g h i 4 ì	<b>*</b> + * +
<b>5</b> JKL J K L 5 Λ j k l 5	<b>0</b> 0- / ( ) = < > _
<b>6</b> MNO M N O 6 Ø m n o 6 ø ñ ö ò	<b>#</b> P Space #

## How to edit a name and a phone number

Press **CLEAR** briefly

– one character will be deleted

Press **CLEAR** for one second

– the entire display will be deleted

## How to store a name and a telephone number

If you enter the phone number with the help of "+" followed by the national code you can use your phone book abroad without having to think about international codes.

1. Enter the phone number.
2. Press ▼
3. Enter name and press **OK**

The telephone will suggest that the name/number should be stored under the first vacant location number.

4. Confirm the location number by pressing **OK**

## How to select your own location number

If you do not want to store the entry under the suggested location number, you can select a number of your own choice. Store frequently used numbers in location numbers 1 to 9 so that you can speed dial them by pressing only one key (see page 15).

1. Store telephone number and name as described previously in steps 1. to 3.
2. Press **CLEAR** and enter a location number of your own choice (up to 3 digits).
3. Confirm by pressing **OK**

If you choose a location number that is occupied, the phone will give you the option of overwriting the existing entry. If you do not want to overwrite the existing entry, press **EXIT** and the location number suggested will be visible again.

If you have a voice mail number stored in your phone book this should be stored under location 1. On some networks this has already been done by the operator.

## How to find a name and a telephone number

1. Press **▼**
2. Enter one or more letters of the name you wish to find.
3. The name and telephone number will be displayed.

If there is more than one name matching the entered letters, use the arrow keys to scroll through to find the required name.

If there is no name to match the entered letters, the display gives you the best match in the phone book.

4. Press **CALL** to make the call.

When making a call the name will be shown on the display. If the entry has no name the telephone number will be displayed.

## Speed dialling

It is possible to make calls to any number stored in the phone book more easily by using the location number (up to 3 digits).

To be able to use the speed dialling function it must be switched on (see page 33).

1. Press the location number for one second.

If the location number consists of more than 1 digit, press the first digit(s) and hold the last digit for one second.

2. The call will automatically be initiated.

## How to edit a name or a telephone number

1. Press **▲** to enter the List menu system.
2. Select **Phone book** and press **SELECT**
3. Select **Edit entry** and press **OK**
4. Enter one or more letters of the entry you wish to edit or select it by using **▼**
5. Press **EDIT**
6. Change the number using **CLEAR**
7. Enter the correct phone number.
8. Confirm the change by pressing **OK**
9. Change name and location number in the same way, if necessary.

## How to delete a name and a telephone number

1. Press **▲** to enter the List menu system.
2. Select **Phone book** and press **SELECT**
3. Select **Delete entry** and press **OK**
4. Enter one or more letters of the entry you wish to delete or select it by using **▼**
5. Press **DELETE**
6. Reconfirm by pressing **OK**

# PHONE BOOK STATUS/ PREFIX TELEPHONE NUMBERS

## How to see the status of your phone book

The telephone can display the total number of locations on your SIM card and inform you how many of these are free.

1. Press ▲ to enter the List menu system.
2. Select **Phone book** and press **SELECT**
3. Select **Status** and press **OK**

## Prefix telephone numbers

In your phone book you can store prefix phone numbers and add additional digits to these. A useful feature if for instance you often call a company with a switchboard with direct dialling facility.

## How to enter a prefix telephone number

1. Enter the prefix digits of the telephone number.
2. Hold down the **#**-key for approx. 2 seconds, and you will see a **W** on the display.
3. Repeat, holding down the **#**-key for each character you wish to add to the prefix number.
4. Press ▼
5. Enter name and location number and press **OK**

## How to call a prefix telephone number

1. Press ▼
2. Find the number you wish to call in your phone book.
3. Press **CALL**
4. Enter the actual digits to replace the **W**
5. The call will automatically be initiated.



Depending on your SIM card you may have different alternative phone books. These phone books will be visible in the phone display only if they are available and enabled.

## Information numbers

Numbers stored in this phone book typically give information about taxis, airports, hotels, weather, news, etc. Your network operator defines the numbers stored in this phone book and the contents cannot be changed by you.

## Fixed numbers

With the help of this alternative phone book you can restrict the use of your phone only to numbers stored in this special phone book. This telephone book operates in exactly the same way as your ordinary phone book.

However, in order to be able to make such a phone book you need to have a PUK2 code from your network operator and to use a PIN2 code of your own choice.

See on page 35 under Phone book setup how to make use of fixed numbers.

## Service numbers

This phone book contains customer care, hotline service numbers, etc. Your network operator defines the numbers stored in this phone book and the contents cannot be changed by you.

## Barred numbers

In this phone book you can store numbers to which you do not allow any calls. This phone book operates in exactly the same way as your ordinary phone book.

In order to be able to make such a phone book you also need to have a PUK2 code from your network operator and to use a PIN2 code of your own choice.

See page 35 under Phone Book Setup how to make use of barred numbers.

## Own numbers

Some networks offer the possibility of having more than one phone number on the same SIM card. For instance one for normal conversations, one for fax and one for data transmission.

This sub menu operates in the same way as the ordinary phone book menu giving you the possibilities of finding, adding, editing and deleting the entries.

# LIST MENU SYSTEM

Information about outgoing, answered and missed calls as well as SMS messages are automatically stored in lists:

## Outgoing calls

- View names/phone numbers of your latest outgoing calls

## Answered calls

- View names/phone numbers of your latest answered calls

## Missed calls

- View names/phone numbers of your latest calls received but not answered

## Phone book

- Find, add, edit or delete entries
- Phone book status

## Information number phone book



- Find entries

## Fixed number phone book



- Find, add, edit or delete entries
- Phone book status

## Service number phone book



- Find entries

## Barred number phone book



- Find, add, edit or delete entries
- Phone book status

## Own numbers



- Find, add, edit or delete entries

## Messages

- Inbox for received point-to-point messages
- Outbox for sent point-to-point messages
- Send messages
- Read broadcast messages

## How to access the List menu system

1. Press ▲
2. Select the menu you want to access by using ▲ or ▼
3. Confirm by pressing **SELECT/OK**
4. Select the sub menu you want to access using ▼ and press **SELECT/OK**

## Back to standby mode

While you are in menu mode, pressing **EXIT** briefly will bring you one level up in the system. Holding **EXIT** will always bring you to the standby mode.

The telephone automatically returns to standby mode when no key has been pressed for 60 seconds.

## Outgoing calls

Your phone has memory for your last 10 dialled telephone numbers.

### How to see the list of last outgoing calls

1. Press **▲** to enter the List menu system.
2. Select **Outgoing calls** and press **OK**.
3. Scroll through the telephone numbers.
4. When the telephone number you wish to redial is displayed, press **SELECT**.
5. Press **CALL** to initiate the call.

### Shortcut to your last outgoing call

However, to use this facility you must enter the Phone setup menu and select **Speed dialling on** (see page 33).

1. Just press **0** for one second and the call is initiated automatically.

## Who is calling?

Calling Line Identification (CLI) is a network feature whereby the phone numbers of callers to your phone are shown on your phone's display. If your caller is one of the entries that you have stored in your phone book, then his name will appear on your display.

To enable the telephone to identify the calls it is a condition that the network supports Calling Line Identification.


## Answered calls


Your phone remembers the last 10 calls your phone has received.

### How to see the list of answered calls

1. Press **▲** to enter the List menu system.
2. Select **Answered calls** and press **OK**.
3. Scroll through the telephone numbers.
4. When the telephone number you wish to redial is displayed, press **SELECT**.
5. Press **CALL** to initiate the call.

## Missed calls

 Your phone remembers the last 10 incoming calls which you did not answer.


The display will tell you how many missed calls your phone has received. If, for instance, there are 15 missed calls the standby display will show  15.

As the telephone registers only identified calls in the list, the number of missed calls shown on the display and the number of phone numbers actually listed may be different.

## Immediate access to the list of missed calls

1. Press **▲**
2. Scroll through the telephone numbers using **▼** or **▲**
3. When the telephone number you wish to dial is displayed, press **SELECT**
4. Press **CALL** to initiate the call.

## How to see the list of missed calls at a later moment

As soon as you have used the list, either to make a call or to view numbers, the  symbol will disappear from the display. However, the list will always be available through the List menu system.

1. Press **▲** to enter the List menu system.
2. Select **Missed calls** and press **OK**

The telephone number will be deleted from the list as soon as you have called it, but you can always find it again in the list of last outgoing calls.


## How to copy a phone number from one of the lists into your phone book

1. Press **▲** to enter the List menu system.
2. Select the actual menu and the phone number you wish to copy into your phone book.
3. Confirm by pressing **SELECT**
4. Press **▼** to access your phone book.
5. Give the number a name and a location number and press **OK**

## How to delete call information


You can delete all entries stored in the Outgoing, Answered and Missed calls lists. Select the sub menu **Delete call information** in the Phone book setup menu and select the list which you want to delete.

## Short Message Services (SMS)

 Your phone can receive and send short text messages via the network. On some networks you have to subscribe to this facility.

There are two types of messages: point-to-point messages which you can both receive and send, and cell broadcast messages which you can only receive.

### Point-to-point messages

A new incoming message will be indicated by the SMS indicator  on the standby display, as well as by a message tone (if enabled – see page 31). The display will also inform you how many new messages there are for you.

### How to read a new message

1. Press **▲** to access the messages.

The display will show date and time of receipt of each individual message.

2. Select the message you want to read by means of **▼** or **▲** and confirm by pressing **SELECT**

The phone number of the message sender will be displayed in front of the message. You can now scroll through the message by using the arrow keys.


The message is automatically stored in the inbox if you do not delete it.

In addition to reading the message, you can either


- delete it
- send a reply
- forward it to another phone number
- edit it before sending
- extract a phone number, if any, from the message to call or to store in your phone book
- call back to the sender

1. Press **OPTION**
2. Select the option you wish to enter and confirm by pressing **OK**
3. The display will guide you through the next steps.

When a message has been read it will be indicated by a **√** to the left of the date of receipt.

The SMS indicator  remains on the standby display as long as there are unread messages.

### Delete messages

If the SMS indicator  is flashing, it indicates that the message memory is full.

You can delete all messages stored either in the Inbox or the Outbox at the same time.

1. Enter the sub menu **Delete messages**
2. Confirm by pressing **OK**

## How to read a message again

1. Press **▲** to enter the List menu system.
2. Select **Messages** and press **SELECT**
3. Select **Inbox** by pressing **OK**
4. Scroll through the list of messages and confirm your choice by pressing **SELECT**

## How to send a message

Before you can send a message you have to enter your network operator's telephone number for this special service. Contact your network operator to obtain this number. On page 34 you can see how you enter this special phone number and how to select validity period, transmission format etc. once for all. If you do not specify these parameters in the Setup menu system you will be asked for a specification each time you wish to send a message.

1. Press **▲** to enter the List menu system.
2. Select **Messages** and press **SELECT**
3. Select **New message** by pressing **OK**

Start entering your message using the keypad in the same way as you enter a name or a telephone number in the phone book. **▲** moves the cursor to the left, **▼** moves the cursor to the right. Delete unwanted characters by pressing **CLEAR**.

If you want to use the **#**-symbol in your SMS message press the **#**-key briefly twice.

4. End your message by pressing **OK**
5. Select whether you wish to **Send message** at once or whether you wish to **Save message** for sending it later on.
6. Confirm your choice by pressing **SELECT**

Having selected **Send message** the phone will ask for a phone number to send the message to. Either enter a phone number or select one from your phone book using **▼**

The message is automatically stored in Outbox under Messages in the List menu system.

## How to edit an old message

1. Press **▲** to enter the List menu system.
2. Select **Messages** and press **SELECT**
3. Select **Inbox** or **Outbox** by pressing **OK**
4. Select the message you wish to edit and confirm by pressing **SELECT**
5. Press **OPTION**
6. Select **Edit message** and press **OK**

A digit between the scroll indicators on the display indicates the number of the individual messages.

## Cell broadcast messages

To select whether you want the cell broadcast option to be on or off you must enter the Message setup menu and select **Broadcast setup** (see page 34).

These are general messages broadcast to a group of telephones and are available to network subscribers only. Cell broadcast messages are typically local weather and traffic reports, stock market prices, sports results etc. If you have selected Roaming, i.e. if you are abroad and connected to a foreign network (see page 28), you may be able to receive cell broadcast messages from other networks, too.

The messages are transmitted in numbered channels and in general each channel will contain information of the same type. Cell broadcast messages may be sent out in different languages. Contact your network operator for further details.

## Cell broadcast channel list

To be able to receive cell broadcast messages you have to set up a list of the channels from which you want to receive information. See page 34 for how to set up this list and to specify what kind of information you wish to receive.

## How to read a cell broadcast message

A cell broadcast message is scrolled twice on the display at the time of reception. If you don't see it at that time, you can read it via the List menu system by pressing **▲**, selecting **Messages** and then **Broadcasts**.

The display will show the Broadcast ID number and you can thus identify the kind of message received. Messages are read in exactly the same way as Point-to-point messages. A read message will be marked by **√**.

In addition to reading the message, you can either

- delete it
- store it on your SIM card
- forward it to another phone number
- extract a phone number, if any, from the message to call or to store in your phone book

1. Press **OPTION**
2. Select the option you wish to enter and confirm by pressing **OK**
3. The display will guide you through the next steps.

A cell broadcast message will be deleted when you switch off your telephone - even if the message has not been read.







## How to access the Setup menu system

1. Press **MENU**
2. Select the menu you want to access using ▼
3. Confirm by pressing **SELECT**
4. Select the sub menu you want to access using ▼
5. Confirm by pressing **SELECT**

## Back to standby mode

While you are in menu mode, holding **EXIT** will always bring you to the standby mode.

The telephone automatically returns to standby mode when no key has been pressed for 60 seconds.

## Menu numbers

On the right hand side in the first line of the display you will always see the number of the menu and sub menu in which you are operating. This is indicated by up to 6 digits.

Example: **62**

6 = Menu 6: Call timers and charge

2 = Sub menu 2: View total calls

A √ before the sub menu/option number indicates the option you have selected.

## Shortcut to the setup menu system

As you get more familiar with the Setup menu system, you will probably find it easier to access some of the menus simply by pressing the menu code number.

For example, to see the duration of your total calls:


1. Press **MENU**
2. Press **62**

# CALL DIVERT


You have the option of diverting all calls or choosing to divert incoming calls only if unanswered. The unanswered calls option diverts calls

- if you are busy
- if you do not reply
- if there is no contact

## Registration

 To enable a call divert you must register it first. You will be asked to specify whether you want the call divert function to apply to all services, speech, data services, fax services or message services (SMS).

## Deactivation/activation

 You may not be able to make use of the deactivate and activate options. In that case you must cancel a call diversion by selecting **Cancel**. Next time you want your incoming calls diverted, select **Register**.

Calls can be diverted to a telephone number stored in your phone book or to any other number. Access your phone book by pressing **▼** or enter a phone number via the keypad.

If you have chosen to have all calls diverted, the call divert indicator **↔** will be visible on the standby display.

If you wish to suspend your calls being diverted for a time, select **Deactivate**. All registrations will remain in the network, so next time you wish to divert your calls to the same number, simply select **Activate**.

## Validity time

If you have selected

**Divert if unanswered**

or

**Divert if no reply**

you can specify that a period of time must elapse before the call is diverted. This period can be from 5 to 30 seconds at intervals of 5 seconds.

It is always possible to see the status of the activated call diversions by selecting **Status**. Registered call diversions can be cancelled individually or can all be cancelled at once by selecting **Cancel all**.

## How to activate call divert for all calls

# CALL BARRING

You can set up call barring for different types of outgoing and incoming calls to restrict the use of your phone.

You have to activate the type of call barring you wish to set up. You are asked to specify whether you want the call barring to apply for all services, speech, data services, fax services or message services (SMS).

When setting up or cancelling any call barring, you will be asked to enter your 4-digit password provided by your network operator.

You can always see the status of the actually activated call barring by selecting **Status**.

## Outgoing call barring

Select **All calls** if you want to bar all outgoing calls. Select **International** if you want to bar international calls only. Select **Roaming** if you want outgoing calls to be barred when you are connected to a foreign network – this still leaves you the possibility of making calls to your home country.

Calls to Emergency Services (see page 11) can still be made even if all outgoing calls are barred.

1. Press **MENU**
2. Select **Network services** by pressing **SELECT**
3. Select **Call barring** using **▼** and confirm by pressing **SELECT**
4. Select using **▼**

**Outgoing calls**

**All calls**

**Activate**

- **All services**

- **Speech**

- **Data services**

- **Fax services**

- **Message services**

**Status**

**Cancel**

**Status**

**Cancel all** (call barrings)

5. Confirm your choice by pressing **OK**

If you want to activate call barring for

**International calls**

**Roaming calls**

just follow the procedure described above giving you the same options.

Call barring of incoming calls is activated and cancelled in exactly the same way covering the sub menus

**All calls**

**Roaming calls**

## Incoming call barring

Select **All calls** if you want to bar all incoming calls. Select **Roaming** if you want incoming calls to be barred only when you are connected to a foreign network.

## Cancelling call barrings

Call barrings can be cancelled individually or by selecting **Cancel all**.

## Call waiting

During a conversation your telephone can notify you that a new call is waiting. This is indicated by a special ringing tone in the earphone. To activate this function just select **Activate** in the Call waiting option.

If you want to answer the new call press **ANSWER**. The active call will be put on hold automatically.

See page 12 for further details on how to handle multi-party calls.


If you do not want to answer the call, press **REJECT** instead. You can have the new call diverted to, for example, your telephone answering service. See page 26 for how to set up a call divert.

If you do not want to be disturbed by new incoming calls you can disable the function by selecting **Cancel** in the Call waiting option.


You can always see whether Call waiting is activated or not by selecting **Status**.

# SUPPLEMENTARY NETWORK SERVICES


## Closed user group

 This is a network feature by which the use of your telephone is restricted to certain phone numbers within a group defined by the network operator and the owner of the SIM card. You may be a member of different groups. Each group has its own ID number. The network defines which group is your default user group. You have the option of calling outside the group – perhaps at a higher charge.

## Outgoing call identification

 You can select whether you want your phone number to be shown or not at the next outgoing call. In Network Service select the option **Outgoing call identification**, then **Show info for next call** and confirm your choice by pressing **OK**.

## Line selection

 Some network operators offer Alternate Line Service. This allows you to have two separate speech lines and phone numbers on the same telephone.

## Unstructured supplementary services (USSD)

On some networks you have the possibility of sending unstructured supplementary service strings. An USSD service string should always be terminated by pressing the **#**-key.

In order to be able to send USSD service strings you must enter the Phone setup menu and select **Speed dialling off**. Pressing the relevant keys 0 to 9 for one second will lead you to the alpha mode enabling you to enter letters and digits instead of only digits.

Contact your network operator for further information on these supplementary services.

## How to adjust tones

1. Press **MENU**
2. Select **Tones setup** using ▼
3. Confirm by pressing **SELECT**
4. Select using ▼ either
  - Ringing tone**
  - Trembler** (Optional extra)
  - Message tone**
  - Broadcast tone**
  - Key tone**
  - Factory settings**
5. Confirm by pressing **SELECT**
6. Select the volume or pattern you want to change using ▼
7. Confirm by pressing **OK**

## Ringing volume level and ringing tones

You can adjust the ringing volume level and select the ringing tones according to your surroundings and preferences.

Ringing volume levels are high, medium, low, escalating and off. The LED on top of the phone will emit a fast green flash to indicate an incoming call. If the ringing tone is set to **off** you will see the 🎵 symbol on the standby display.

You have the option of selecting between 27 different ringing tone patterns.

The selected ringing tone will sound at the relevant ringing volume level when making your selection.

You can disable all kinds of tones by pressing **MENU** and then **\***. In that case the symbol 🎵 will be seen in the display. Just press **MENU** and **\*** again to revert to your original settings.

## Trembler

If you have a trembler battery you can select whether the trembler should be active or not at an incoming call.

## Message tone

Your telephone can alert you to the arrival of a SMS message by means of different alert tones.

## Keypad tone

To help you keep check on your dialling, the phone can be set to give 8 different tone patterns following every key pressed.

## Factory settings

You can always return to the original tones setup of your phone. The phone is set up by the manufacturer as follows:

Ringing volume level:	Loud
Ringing tone:	British
Trembler:	Off
Message tone:	Simple
Broadcast tone:	Discreet 1
Key tone:	3

This menu offers you the possibility of setting some of the telephone's options according to your own personal wishes.

## How to set up options

1. Press **MENU**
2. Select **Phone setup** using ▼
3. Confirm by pressing **SELECT**
4. Select using ▼ either

```
Language
Auto redial
Network selection
Power saving
Car kit
Greetings
Speed dialling
Any key answer
Factory settings
```

5. Confirm by pressing **SELECT**
6. Make your selection using ▼
7. Confirm by pressing **OK**

## Language selection

The display language of your phone is normally the national language of the country in which you purchased your SIM card. If this is not the case the display language will be English. You have the option of choosing between different languages. (See page 10 for how to select language).

## Automatic redial

If the phone number you are calling is busy or your call is not answered, you can let your phone make up to 10 automatic redial attempts. A special redialling success tone sounds when the attempt is successful. To cancel the auto redialling attempts just press the left function key.

## Network selection

When you wish to use your phone abroad, you have to select a foreign network. This can be done either manually or by letting your telephone do it for you automatically.

In the automatic mode, your phone will automatically try to reach your home network first, then, alternatively to find another available network stored in a preferred list made by you (see below).

In the manual mode, the phone will always start searching for the network with which it was in contact when it was switched off. If the phone cannot locate this network it will present some alternative networks on the display, and you can then select one manually.

You can select any network from the list, but your phone can get in contact only with co-operating networks (Roaming). The telephone can get into contact with other networks but only for emergency calls.

Your dealer or network operator can tell you which networks are co-operating.

## Preferred list

The list of networks on your SIM card defines the order of preference in which your phone will select a network in automatic mode. Network operators offer different services and call charges; therefore it may be beneficial for you to make a preferred list of your own. Enter the individual networks in your own order of preference and store them on your SIM card.


To do this, you must access the Selection of network sub menu, select the Set preferred list option and use ▼ to select the empty location in which you want to store the new network. Pressing **EDIT** will give you a list of available networks. Scroll through the list using ▼. When you see a network you wish to store in your pre-



ferred list, just press **OK**. If you select a currently used location and press **EDIT**, the former occupant can be deleted when you enter the new one. Just press **EXIT** to leave the list as it was.

Once a network is stored in the preferred list, you can always see the country and network code of the actual network by pressing **EDIT** in the Set preferred list option.

## Band selection

 You can select whether or not your phone should start searching for a specific kind of network automatically. You can also select manually whether you want it to search only for GSM 900 or GSM 1800/GSM 1900 networks.

## Power saving

To save your battery and thus increase both conversation and standby times you can select whether you want the display contents to be visible or not in standby mode.

Select **Display remains on** if you want it to be visible, and **Display switches off** if you want it not to be visible. The display will switch off after 3 minutes in standby mode.

In standby mode the display and keypad backlight will always switch off after 10 seconds if your telephone is set to **Backlight on**. However, you have the option of having the backlight switched off permanently by selecting **Backlight off**.

## Car kit installation

This option is only effective if the phone is connected to a handsfree car kit. See page 39 for more information.

## Welcome greeting

You can change the welcome greeting of your phone according to your own wishes. Delete the old message by holding **CLEAR**, enter the new greeting via the keypad and confirm by pressing **OK**.

## Speed dialling

To speed dial using your location numbers, you have to select **Speed dialling on**. If you do not want to make use of this feature, select **Speed dialling off**.

## Any key answer

You can answer an incoming call by pressing any key you like except for the left function key and the arrow keys if you select **Any key answer on**.

## Factory settings

You can always return to the original setup of your phone. The phone is set up by the manufacturer as follows:

Language:	Automatic
Autoredial:	Off
Network:	Automatic
Power saving:	Display on Backlight on
Car kit:	Auto answer off Auto power off on
Greeting:	Welcome
Speed dialling:	On
Any key answer:	Off

## Send message setup

Before you can send a message you have to enter your network operator's telephone number for this special service. Contact your network operator to obtain this number.

1. Press **MENU**
2. Select **Message setup** using ▼ and confirm by pressing **SELECT**
3. Select **Send message setup**
4. Select **Service centre**
5. Confirm by pressing **SELECT**
6. Enter the SMS operator telephone number. Remember to add "+" and national code before the number.
7. Press **OK**


The number will automatically be used for sending all future messages.

Having stored a service centre number you have the option of adding a new service centre, deleting a service centre or editing the number of an existing service centre by pressing ▼ and confirm your choice by pressing **OK**.

The option of storing more than one service centre number may not be available with all SIM cards.

If for some reason your message cannot be delivered, it will remain with your SMS operator for a period of time specified by you under Validity period.

Under the option Teleservice you can specify in what format you want your messages to be sent - for instance select **Text message** if you want to send it to another mobile telephone.

 For messages that have to be sent via several service centres to reach the recipient, some networks offer the feature of sending a reply, if any,

back to you through the same chain of service centres. To keep this possibility open, you must enter the Send Message Setup option and select **Reply path on**.

## Broadcast setup

To set up the list covering the kind of information you wish to receive, select the option **Broadcast channels**. The display will show you various locations in which you can store the individual channels. Pressing **EDIT** will give you a range of different kinds of information. Use ▼ to scroll through the possibilities and confirm your choice by pressing **SELECT**. The selected kind of information is now stored in the channel list. Proceed in the same way if you want to receive other kinds of information.

Some network operators offer cell broadcast messages in different languages. Select the option **Broadcast language** and confirm your choice by pressing **OK**.

You can select whether you want the cell broadcast option to be on or off by selecting **Broadcast settings** and using ▼ to select whether the function should be on or off.

# PHONE BOOK SETUP / CALL TIMERS AND CHARGE

## Fixed dialling

In order to enable you to make use of fixed dialling numbers stored in an alternative phone book defined by you, select **Fixed dialling on**. Having selected **Fixed dialling on** your ordinary phone book will not be visible on the display and can thus not be accessed, but, of course, it will remain on your SIM card and can be accessed again by selecting **Fixed dialling off**.

## Barred dialling

If you have a barred dialling phone book on your SIM card you must select **Barred dialling on** to enable it. Having selected **Barred dialling on** any attempt to make a call will make the phone compare the dialled number with the numbers stored in this special phone book. If the dialled number is stored in the Barred numbers phone book the call will be refused.

To enable the fixed dialling and the barred dialling phone books you have to enter your PIN2 code.

## Phone book sorting

You have the option of selecting whether you want your phone book sorted by name or by location.

## Delete call information

You can delete all entries stored in the Outgoing, Answered and Missed calls lists. Select the sub menu **Delete call information** and select the list which you want to delete.

## Call timers and charge

Your telephone can display the actual duration and cost of an ongoing conversation if you so wish. It can also show you the duration and cost of the last call and all calls made with your SIM card since the timer was last reset. However, the call charge feature must be supported by your network.

In order to be able to see the cost in the display you have to enter a unit price and the actual currency. You can also enter a maximum call charge limit, so that when this maximum has been reached no more phone calls can be made. The telephone will inform you about the remaining call charge balance.

To enter or change call charge and currency you will be requested to enter your PIN2 code.

## How to see timers

1. Press **MENU**
2. Select **Call timers and charge** using **▼**
3. Confirm by pressing **SELECT**
4. Select using **▼** either

```
Last call
Total calls
Reset timers
Display timer (on display)
Call charge
- maximum
- unit price
- currency
- remaining
```

5. Confirm by pressing **OK**

## PIN code

To prevent misuse of your SIM card, e.g. if it is lost or stolen, you can select a PIN code to be entered each time you switch on the phone.

The PIN code is a 4 to 8-digit number of your own choice, which you can change any time you like.

If you enter an invalid PIN code three times, your SIM card will be blocked and to unblock it you have to enter the PIN Unblocking Key (PUK) code supplied by your network operator. This procedure prevents unauthorized person from working out your PIN code by repeatedly entering different combinations of numbers.

The display will inform you how many tries you have left before the SIM card is blocked. If you enter an invalid PUK code 10 times, your SIM card will be permanently blocked and you have to contact your network operator to have it unblocked.

Some SIM cards use a PIN2 code for accessing special functions. Contact your network operator for further information on PUK2 and PIN2 codes.

## How to enable, disable and change PIN codes

1. Press **MENU**
2. Select **Security** using ▼
3. Confirm by pressing **SELECT**
4. Select using ▼ either

### PIN code

- PIN code on
- PIN code off
- PIN code change
  - Change PIN
  - Change PIN2

### SIM lock

- SIM lock on
- SIM lock off

### Network password

### Encryption indication

- Encryption indication on
- Encryption indication off

### Line lock

- Line lock on
- Line lock off

5. Confirm your choice by pressing **OK**

## SIM lock


You can link your telephone and your SIM card together. This means that if, for instance, your phone is stolen it cannot be used together with another SIM card. To enable this feature just select **SIM lock on** and enter an 6 to 16-digit code of your own choice. *For your own sake remember to write down this code to be able to deactivate the lock at a later time. You have 10 attempts before the phone is blocked.*




## How to change password

If you subscribe to a call barring service your network operator will have supplied you with a 4-digit password. If you want to change this, select **Network password** in the Security menu.

## Encryption indication

 If you connect to a network which does not support encryption, you will get a warning in the display when trying to make a call. You have the option of turning off this network warning by selecting **Encryption indication off** in the security menu.

## Line lock

 If you have Alternate Line Service on your phone you can restrict the outgoing use to only one of these lines. Select **Line lock on** in the security menu and enter a 4 to 8 digit lock code of your own choice. To shift back to the other line you have to enter this code.

You can use your mobile phone as an ordinary calculator.

## How to use the calculator

1. Press **MENU**
2. Select **Calculator** using **▲**
3. Confirm by pressing **OK**

Your telephone now acts as a normal calculator. The equal-sign (=) is found on the right hand function key.

Hold down the relevant key for one second to get the desired arithmetic operation.

By pressing **▲** you get access to a survey of what arithmetic operation is placed on what key.

Key	Operation
1	Addition (+)
2	Multiplication (*)
3	Square function ( $x^2$ )
4	Subtraction (-)
5	Division (/)
6	Square root ( $\sqrt{\quad}$ )
7	Percentage (%)
8	Fractions (1/x)
9	Exponent (E)
*	M+ or decimal point (press briefly)
0	MC
#	MR or -/+ (neg./pos.) (press briefly)

## Calculation examples

### 5 plus 2

Press 5, hold down 1 for one second, press 2 and press = (7)

### 8 divided by 4

Press 8, hold down 5 for one second, press 4 and press = (2)

### Square root of 8

Press 8 and hold down 6 for one second (2.8284271)

### 15 per cent of 60

Press 6, 0, hold down 2 for one second, press 1, 5, hold down 7 for one second (9)

### -5.2 times 10,000

Press 5, **\***, 2, **#**, hold down 2 for one second, press 1, hold down 9 for one second, press 4 and finally = (-52000)

As soon as a figure is stored in the memory this will be indicated on the display by an **M**. You can access the memory by pressing **▼** or the **#**-key (MR).

The memory is reset each time you switch off your phone.

## Hands-free car installation

When your phone is placed in the cradle, it will switch on automatically with the car ignition. You can select whether you want the telephone to switch off automatically with the car ignition after a delay of 1 hour or whether you want to switch it off manually.

If you have selected

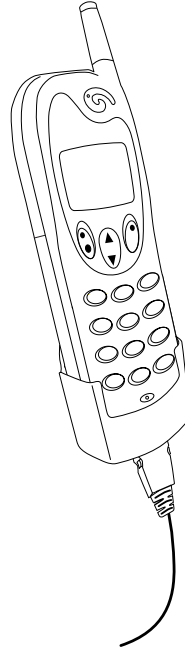
### Switch off automatically

and want to switch your telephone off while the ignition is still on, you must do so manually.

The display and keypad backlighting on your phone will switch on and off automatically with the car ignition. While the phone is switched on and placed in the cradle the backlighting will remain on continuously.

The battery will be automatically recharged as necessary.

A telephone with an extended battery cannot be used in the hands-free car installation kit.



## How to make a hands-free call

1. Enter the phone number you wish to call or retrieve it from the phone book.
2. Press **CALL** to let the conversation take place via the external speaker and microphone.
3. Press **END** to end your call.

## How to receive a hands-free call

1. Press **ANSWER** when the phone rings.
2. Press **END** to end your call.

By selecting **Car kit auto answer on** you can set your telephone to answer a call automatically after 5 seconds. This option is only effective when the car ignition is on.

If you have selected **Any key answer on** in the Phone setup menu you can, of course, answer the call by pressing any key.

## Desk top charge stand

The desk top charge stand is powered by means of the charger supplied with your telephone. When the desk top charge stand is on the power lamp will always show green.

When you place the telephone in the desk top charge stand you have to make sure that the battery symbols on the display start flashing. The battery takes 1 to 4 hours to become fully charged depending on type and size of the battery. During charging the battery symbols on the display of your telephone will flash on and off one after another. When the battery is fully charged all 4 symbols are permanently displayed.

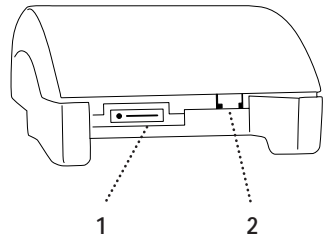
A telephone with an extended battery cannot be charged in the desk top charge stand.

The desk top charge stand has two sockets on its back. When charging the telephone you use the socket to the left side (1).

It is possible to connect a PC Combo card to your telephone while this is placed in the desk top charge stand.

The PC Combo card is supplied with two wires. You can connect the card to the desk top charge stand by means of the wire you normally use when connecting the card to your telephone. This wire must be plugged into the socket to the left.

In order to power the desk top charge stand you will have to replace the mains adaptor wire by the extra wire supplied with the PC Combo card and then plug it into the socket to the right side (2).







## Belt clip

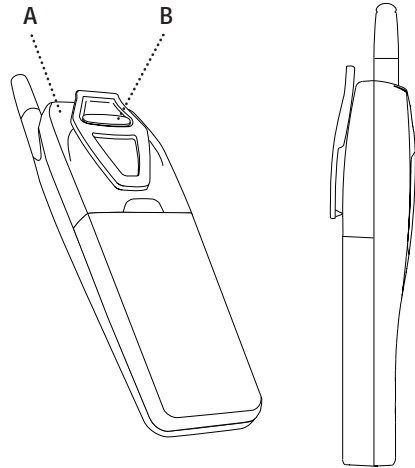
The belt clip can be removed or fitted by means of a screwdriver. In the retail box you will find the necessary screws and labels for mounting the belt clip.

### How to fit the belt clip:

Remove the label (A) on the back of the phone. The belt clip can now be fitted by means of a screwdriver. Place the label (B) on the belt clip to cover the screw.

### How to remove the belt clip:

Remove the label (B) on the belt clip. The belt clip can now be removed by means of a screwdriver. Place the label (A) on the back of the phone to cover the screw hole.



## Other accessories

- Extra Light 500 mAh Li-ION battery
- Light 650 mAh NiMH battery
- High Power 1800 mAh NiMH battery
- Vibra-alarm 480 mAh NiMH battery
- Cigar lighter charger 12/24V
- Simple car holder
- Hands-free headset
- PC Combo card
- PC Editor

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