MULTIBAND

GSM 909 DUAL
User Guide

GB

BOSCH

7910.2050 GB / 10.99

EXPO2000
HANNOVER

Die Weltausstellung

Produkt-Partner
für Mobiltelefone

GSM 909 DUAL

BOSCH

For your safety
Please pay special attention to the following simple guidelines. Breaking the rules may be dangerous or illegal.

In-car safety
Do not use your mobile phone when driving a vehicle except from in emergency cases. Always park the vehicle and take the ignition before using the phone.

Interference with other electronics
Mobile phones may interfere with other nearby electronics if these are not sufficiently protected from radio signals. Do not use your mobile phone near telephones, televisions, radios, personal computers, etc.

Risk of explosion
Don't use your mobile phone at petrol stations, fuel depots, chemical plants, etc. Always switch off your telephone before entering such areas, and observe any restrictions, regulations and rules.

Aircraft safety
The use of mobile telephones in an aircraft may be dangerous to the operation of the aircraft and is illegal. Switch off your mobile phone before boarding an aircraft. Before using your mobile phone near an aircraft, consult the crew.

Blasting
Don't use your mobile phone where blasting is in progress. Observe any restrictions, regulations and rules.

Medical electronics
Mobile telephones may interfere with the functionality of inadequately protected medical devices. Consult your physician or the manufacturer of the medical device if in doubt. Always switch off your mobile phone before visiting a hospital and observe the local regulations and rules.

Radiation
As with other mobile radio transmitting equipment, users are advised that for satisfactory operation of the equipment and for the safety of personnel, it is recommended that no part of the human body should be allowed to come too close to the antenna during operation of the equipment.

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 1000, MA 1001, MA 1002, or MA 1003 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.

This telephone is designed for use in both GSM 900 and GSM 1800 networks. Handover between the two types of network takes place automatically and seamlessly.

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.

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.

Clock

In order to activate the clock you must set the time and date. See page 34 for more information.

Batteries

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.

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.

LED (Status indicator)

Slow green flash: Your phone is in contact with a network.
Fast green flash: Indicates an incoming call or that an event is occuring.
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. By pressing the left-hand function key briefly the time and date will be visible on the display.

▲▼ Arrow keys

In standby mode: Scroll through menus, phone book, lists, events, messages etc.
In conversation mode: Volume up/down.

⚲ Side key

Same function as the arrow keys.

1☎ Voice mail key

Quick access to your voice mail.

✳ Key

Inserts the "+" before international phone numbers.

Earphone

LED

Side key

Microphone

0 Last outgoing call

Press for one second and the call is initiated automatically.

Key

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

▯ Battery level indicator

See page 8 for more information.

Ψ 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.

(((☎))) Speech call indicator

(((🖷))) Fax call indicator

(((🖳))) Data 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.

Event indicators

((⬥)) An event is occurring.

(((⬥))) There is a missed event.

↯ The event is recurring.

■ One or more events will occur today.

⬟ Microphone off indicator

◁))) Volume level indicator

Indicates volume level when adjusting.

♪ Ring volume off indicator

♫ All-tones-off indicator

See page 32 for more information.
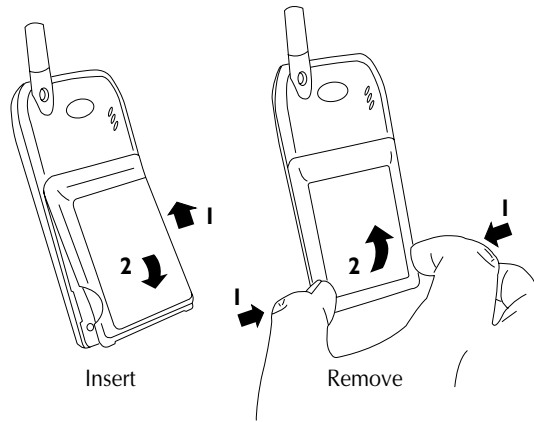
i⁺ Calculator

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.

Insert rechargeable battery

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

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 5 hours to become fully charged depending on type and size of the battery. If for some reason the telephone does not start charging, you should pull out the charger plug and insert it again.

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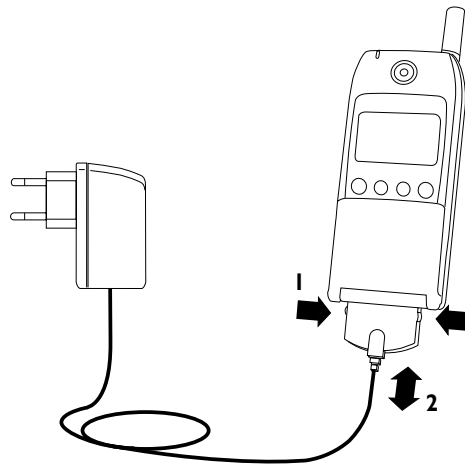
Battery level indicator

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   Remove

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.

Switch off your phone and remove the battery if attached on the phone.

1. Open the SIM card holder by sliding the catch to the left.
2. Lift the holder.
3. Insert the SIM card with its cut corner pointing up and left.
4. Close the holder and slide the catch back into place.
5. Insert the battery.
6. Switch on the telephone.

The phone will display a welcome greeting.

7. 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.
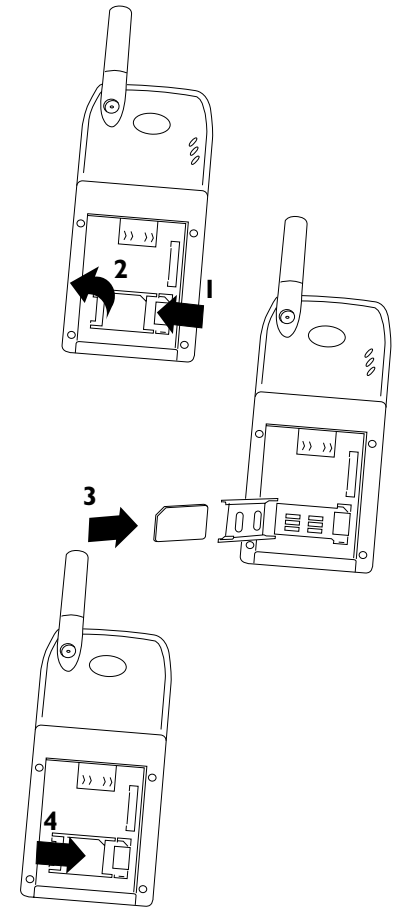
Selection of language

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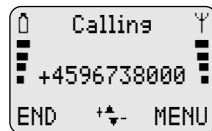
If you call a phone number which is diverted to another phone number, the display will show the phone number to which you are connected and not the one entered by you.

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).
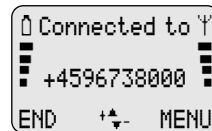
Phone numbers with extension number

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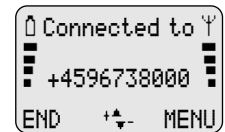
While having a call, you may wish to have a private conversation with someone else. You will hear everything your caller says but you cannot be heard by the caller.

> **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 `OK`

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 connect the two by selecting `Transfer call`. In that way, the two parties can talk together while you withdraw from the conversation.

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 handsfree 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.

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

Voice mail number

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. Contact your network operator for further details on how to activate your voice mail.

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**

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 37 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 37 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.

Information about outgoing, answered, missed calls and events 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

Events

• View, edit or delete events
• Add a new event
• Event status

Missed events

• View unacknowledged events

Messages

• Inbox for received point-to-point messages
• Outbox for sent point-to-point messages
• Favourite 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. If the dialled number is one of those stored in your phone book, then the associated name will appear on the display.

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. If the caller is one of the entries that you have stored in your phone book, then his name will appear on your display.

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.

Events

Your phone acts as a calendar enabling you to keep a check on different events such as meetings, phone calls to be made, birthdays, etc. The calendar is active even though your telephone is switched off.

How to add a new event

1. Press ▲ to enter the List menu system.

2. Select Events and press SELECT

3. Select New event and press SELECT

You can now choose from the following different event types:

Custom setup	(Recurring - if set by you)
Standard alarm	(Not recurring)
1 hour notice	(Not recurring)
Wake up alarm	(Not recurring)
Birthday	(Recurs every year)

In Custom setup you can define any setting according to your own wishes. The options available are: Set date, set start and end time, enter event text, set recurring frequency, select tone volume and pattern, and define advance notice for the event.

As a minimum you will always have to enter date and start time (if you want to change the ones displayed). The cursor will always stand to the left of the digit/letter to be entered or corrected. Use the arrow keys to move the cursor. ▲ moves to the left, ▼ to the right. Confirm your entry by pressing OK, and the event is automatically saved.

The settings of the last 4 event types are predefined by the manufacturer, but you can always change the settings. See under **How to edit or delete an event** on page 22 for more information.

How to be notified of occuring events

When an event is occurring you will see this symbol ⟨ ⟨ ♣ ⟩ ⟩ on the display, the phone will emit a ringing tone (if activated - see page 32) and the LED on top of the phone will flash green. The event text will be shown on the display. The phone will continue ringing for one minute if you don't acknowledge the event. Press DELETE/OK to do so.

The event is automatically deleted unless you have selected that you don't want it to be deleted. See page 35 for more information.

How to postpone an event

If you do not have the time to see an event at the moment it occurs, you can postpone it. Press REMIND. The event will recur after 10 minutes.

How to see stored events

1. Press ▲ to enter the List menu system.

2. Select Events and press SELECT

3. Select List events and press OK

Each date under which one or more events are stored will now be listed, indicated by the name of the day of the week and date. Use the arrow keys to scroll through the dates. After being highlighted for 2 seconds, the times of the first two events under the selected date will be listed. Press SELECT, and after further 2 seconds the text of the first stored event will be shown on the display. Use the arrow keys to scroll through the events.

A recurring event will be marked by ♻ to the left of the starting time.

How to edit or delete an event

1. Follow steps 1 to 3 and proceed as de-scribed on page 21 to select the event you want to edit or delete.

2. Press `SELECT` twice.

3. Press `OPTION`

4. Select `Edit event` or `Delete event` and press `OK`

Selecting `Edit event` you will get the possi-bility of editing the date, the start and end time of the event, the event text, the recurring frequency, the tone volume and pattern, and the advance notice for the event.

5. Confirm your corrections by pressing `OK`

Select `Delete event` to delete the event. If the event is recurring you will be asked to con-firm that you really want to delete it.

How to see the status of your events

Select `Status` under Events in the List menu. The display will show you how many events you have stored and indicate in percentage how much capacity you have left. If the display shows `0` in both lines, please check that your time and date settings are up-dated.

Missed events

If an event occurs and you don't acknowledge it by pressing `DELETE/OK` you will see this sym-bol on the display ⟪🔔⟫. The event recurs after 10 minutes. The phone will repeat this sequence 3 times. The digit after the symbol indicates the number of missed events.

If an event occurs while your phone is turned off, this symbol will be displayed ⟨⟨ 🔔 ⟩⟩.

When you turn on your phone, you will see this symbol on the display ⟪🔔⟫.

How to see the list of missed events

1. Press ▲

Use the arrow keys to scroll through the dates of the missed events. After 2 seconds the receipt times of missed events of the highlighted date will be listed. Press `SELECT`. After 2 seconds the text of the first missed event of the date will be displayed. If this event is not the one you want to see use the arrow keys to scroll through the list of missed events.

Press `OK` when you have read the event. It will then automatically be deleted from the Missed event list, but you can always find it again under `List events` in the List menu system.

How to see the list of missed events at a later moment

Having accessed the list of missed events as described above, 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 events` and press `OK`

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 32). 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 messsages.

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 36 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 if you have selected
`Save outgoing messages on` in the Message setup menu (see page 36).

Favourite messages

Your phone contains a list of frequently used messages, e.g.
`The meeting .. is moved to ..`
You only need to insert name, place or time in the empty spaces. You may also add or delete words, as required.

1. Press ▲ to enter the List menu system.

2. Select `Messages` and press `SELECT`

3. Select `Favourites` and press `OK`

4. Select the message you want to use and confirm by pressing `SELECT`

The cursor automatically points at the first empty space. Once you have filled this in, you can move the cursor to the next empty space simply by pressing `NEXT`. The cursor can also be moved forward and backward by pressing ▼ or ▲ respectively.

5. Complete the message by pressing `OK`

6. Send the message, or save it for later use.

How to edit an old message

1. Press ▲ to enter the List menu system.

2. Select `Messages` and press `SELECT`

3. Select `Inbox`, `Outbox` or `Favourites` 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 37).

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 30), 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 37 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.

The setup menu system offers you the possibility of setting the individual sub menus and options according to your own personal wishes.

Network services (Menu 1)

11   Call divert
12   Call barring
13   Call waiting
14   Closed user group
15   Outgoing call identification
16   Line selection
17   Calling name presentation

Tones setup (Menu 2)

21   Ring tone
22   Trembler (optional extra)
23   Message tone
24   Broadcast tone
25   Key tone
26   Factory settings

Phone setup (Menu 3)

31   Selection of language
32   Dial setup
33   Selection of network
34   Power saving function
35   Car kit options
36   Edit welcome greeting
37   Time & date setting
38   Event auto delete
39   Factory settings

Message setup (Menu 4)

41   Setup for sending Point-to-point messages
42   Setup for receiving Cell broadcast messages
43   Delete messages

Phone book setup (Menu 5)

51   Fixed dialling on/off
52   Barred dialling on/off
53   Phone book sorting
54   Delete all entries stored in the lists
       (Outgoing, Answered, Missed)

Call timers and charge (Menu 6)

61   View duration and cost of last call
62   View duration and cost of total calls
63   Reset call timers and call charge
64   Display call timer and credit during
       conversation
65   Call charge

Security (Menu 7)

71   PIN code
72   SIM card lock
73   Change network password
74   Encryption indication
75   Line lock

Calculator (Menu 8)

Applications (Menu 9)

The availability of this menu depends on your SIM card. If available it will always appear as the first menu when you press MENU. The options and the menu title in this special menu are defined by your network operator. The menu allows you to set up a dialogue between you, your SIM card and your network operator.

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

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

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.

You have the option of diverting all calls or choosing to divert incoming calls only if un-answered. 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

1. Press `MENU`

2. Select `Network services` by pressing `SELECT`

3. Confirm by pressing `SELECT` once more to indicate that you want access to the call divert menu.

4. Select using ▼

   `Divert all calls`
      `Register`
        `- All services`
        `- Speech`
        `- Data services`
        `- Fax services`
        `- Message services`
          `- Number`
      `Activate`
      `Deactivate`
      `Status`
      `Cancel`

   `Status`
   `Cancel all` (call diverts)

5. Confirm your choice by pressing `OK`

If you want to activate a call divert on the basis of
`Divert if unanswered`
`Divert if busy`
`Divert if no reply`
`Divert if no contact`
just follow the procedure described above giving you the same options.

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 28 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`.

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.

Calling name presentation

Some networks offer the possibility of showing the name of your caller even though his number isn't stored in your phone book. To find out whether this service is avalable or not you must select the option `Calling name presentation` and then `Status`.

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 or SMS message and an occurring event.

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
   Dial setup
   Network selection
   Power saving
   Car kit
   Greeting
   Time & date
   Event auto delete
   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).

Dial setup

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.

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.

Incoming call setup (fax/data)

Do not enter this menu unless you are using your phone for fax and data communications! Fax and data capability will require a separate data interface kit (optional). The menu settings are explained in the user guide supplied with this kit.

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 page 34).

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 cooperating 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 net-work 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 net-works. Scroll through the list using ▼ . When you see a network you wish to store in your preferred 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.

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 41 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.

Time & date

The current time and date will be shown in the standby display after 3 seconds if you have selected these to be shown. To do so just select Show time on and Show date on. You can set both time and date and any corrections are made by using the arrow keys. ▲ moves the cursor to the left. ▼ moves the cursor to the right.

Entering the Time format option you can set the clock to either 12 or 24 hours. In the option Date format you have the choice of specifying the sequence in which you want the date to be shown, e.g. date, month and year.

However, if one of the following symbols are shown in the standby display, time and date will not be visible:

↳ ✉ ♪ ♪̷ ∞

Just press the left-hand function key briefly to have time and date displayed for 5 seconds.

As long as the clock is active, all Outgoing, Answered and Missed calls plus events will be time/date stamped. The same applies for the messages stored in your in- and outbox.

Note: If your phone has been without power for more than 8 hours you should set the time and date function again. Otherwise you may risk that all functions using the time and date feature may not be active.

Event auto delete

Your phone will automatically delete an event as soon as it has occurred. However, a recurring event will not be deleted in this way. You must then enter the List menu system. If you don't want the event to be deleted automatically select Event auto delete off. In that case the right function key text will be OK when the event occurs.

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
Dial setup:	Autoredial off
	Speed dialling on
	Any key answer off
	Incoming call setup:
	Next call type: Speech
	All call type: Speech
Network:	Automatic
Power saving:	Display on
	Backlight on
Car kit:	Auto answer off
	Auto power off automatic
Greeting:	Welcome
Time & date:	Show time on
	Show date on
	Time format: 24 hours
	Date format:
	day, month, year
	(dd.mm.yyyy)
Event auto delete:	On

Send message setup

Before you can send a message, your network operator's telephone number and name for this special service have to be entered. However, many network operators have already stored this information for you on your SIM card. In that case you just have to press `OK` in the Service centre option in order to activate it.

If the above-mentioned information is not stored on your SIM card, you have to proceed in the following way:

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. Select `Add service centre` and press `OK`

7. Enter the SMS operator telephone number and confirm by pressing `OK`. Remember to add "+" and national code before the number.

8. Enter the name of your network operator and confirm again by pressing `OK`

9. Press `OK`

10. The menu returns to `Service centre` Press `SELECT` and then `OK`

11. Now the name and the phone number of the service centre that you have set up will be displayed. Press `SELECT`

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

Having stored a service centre number, you have the option of adding another service centre, dele-

ting 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`.

If you want confirmation from the network operator that your message has been received by the person you want to send it to, you must enter the Send message setup option and select `Confirmation on`. If the message has not been received you will get the information that it is either queued or not delivered.

You can select whether your messages should be stored automatically in the Outbox after having been sent or not. Select `Save outgoing messages on` if you want to store your messages, and select `Save outgoing messages off` if you want them to be deleted after having been sent. Selecting the latter option leaves you more memory for incoming messages.

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 setting` and using ▼ to select whether the function should be on or off.

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 and charge
Display timer and credit
(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.

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

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.

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

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

An arithmetic operation can then be selected directly from the survey by pressing the assigned key 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.

Back to standby mode
Press `CLEAR` and hold down `EXIT` for one second.

Professional Handsfree Car Kit

Remove the rubber plug covering the antenna hole on the back of the handset.

When placing the phone in the cradle, make sure that the antenna catch is open (slider in left hand side position). When the phone is in place, move the slider to the right hand side for locked position.

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.

How to make a handsfree 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.
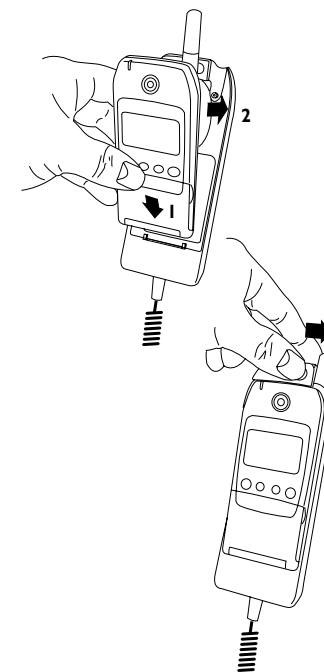
How to receive a handsfree call

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.

If you want to switch from handsfree mode to normal mode, just lift the handset and cradle as one complete unit – and back again for returning to handsfree. The switching is performed automatically.
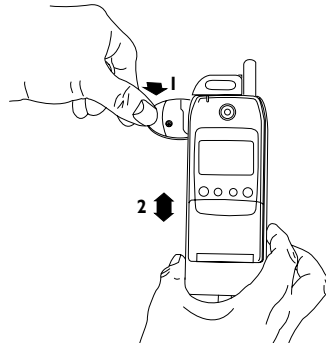
GSM 909 Executive

The GSM 909 Executive is based on the combination of the GSM 909 DUAL or GSM 909 DUAL S and an Executive handset. Placed on the dashboard or in the rear of the car, the full sized ergonomic handset can be used as a normal car phone or as a tool for handsfree conversation. When leaving the car you simply take your GSM 909 DUAL/ DUAL S with you. Without changing the SIM card you can use the Executive handset when you are in the car and the GSM 909 DUAL/ DUAL S when you are out and about.
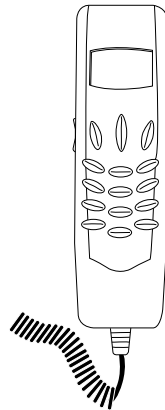
Voice controlled handsfree car kit

This car kit enables you to make calls just by saying the name of the person you want to call. Please refer to separate user guide supplied with the kit.

Basic Car Kit

Remove the rubber plug covering the antenna hole on the back of the handset.

When placing the phone in the cradle, make sure that the antenna catch is open (slider in left hand side position). When the phone is in place, move the slider to the right hand side for locked position.

The cradle connects to the car's cigar lighter plug and external antenna.

The battery will be automatically recharged as necessary.

When your phone is switched on and placed in the cradle, the backlighting will remain on.

An external antenna must be connected, since the handset antenna is disconnected when the phone is placed in the cradle.
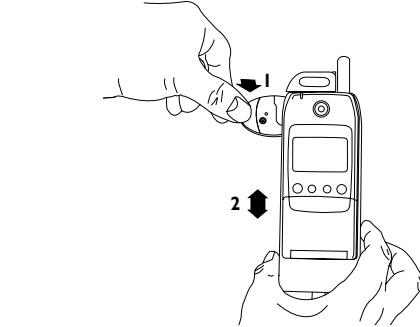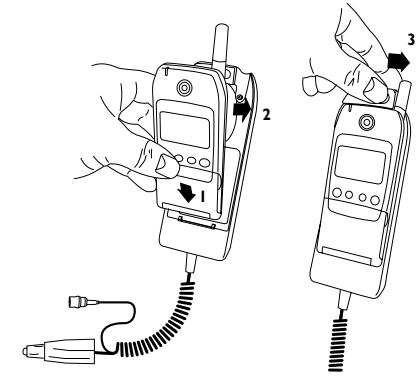
Simple Car Holder

Using the Simple Car Holder will require a special knob to be fitted on the back of your phone. The necessary parts come with the package.

How to fit the knob:
Remove the label from the back of the phone. The knob can now be fitted by means of a screwdriver. Place the new label to cover the screw.

= PZ 1
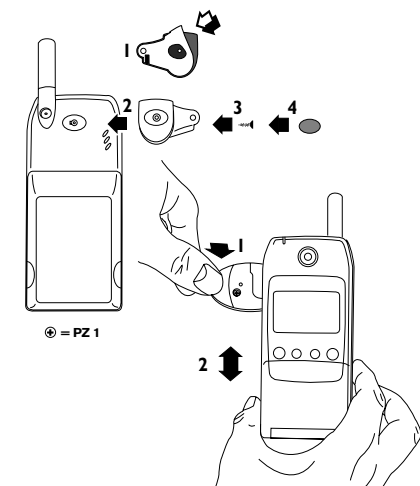
Desktop charger

The desktop charger is powered by means of the charger supplied with your telephone.

When you place the telephone in the desktop charger you have to make sure that the battery symbols on the display start flashing. The battery takes 1 to 5 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 spare battery can be attached for charging on the back of the desktop charger. The LED indicator on the front will show a red light during charging and a green light when the spare battery is fully charged. The indicator will be off when there is no spare battery attached.

Insert

Remove
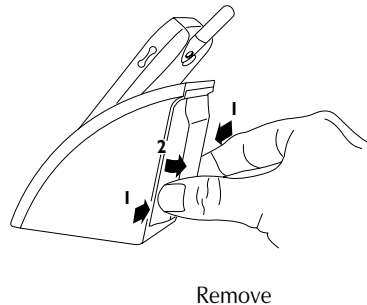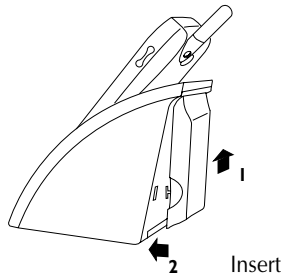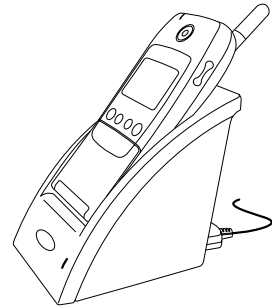
Headset

How to make a handsfree 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 handsfree call

1. Press **ANSWER** when the phone rings.

2. Press **END** to end your call.
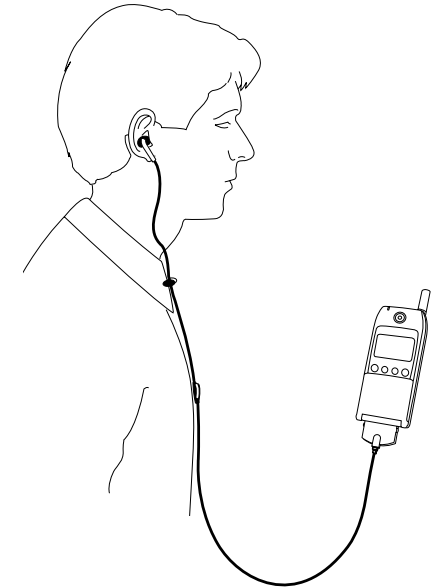
Belt clip

The necessary parts for fitting the belt clip to your phone comes with the package.

How to fit the belt clip:
Remove the label from the back of the phone. Place the small plastic part in the hole with the plane surface turning towards yourself. The belt clip can now be fitted by means of a screwdriver. Place the new label to cover the screw.

⊕ = PZ 1
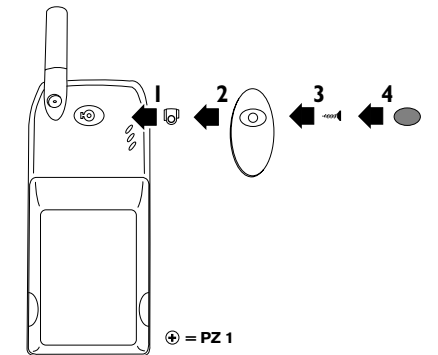
Data Interface

Your phone can be connected to your PC or laptop computer for data and fax communication. Please refer to separate user guide supplied with the kit.
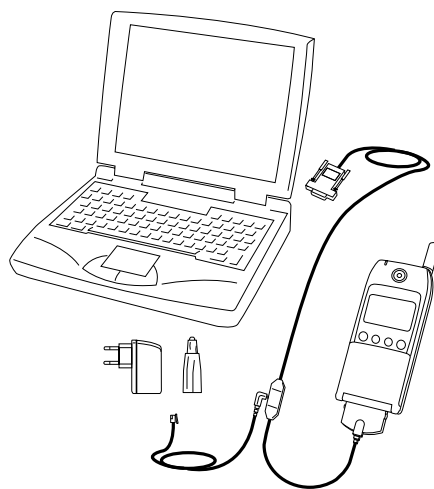
Other accessories

Vibra-Alarm 400 mAh Li-ION battery
Vibra-Alarm 650 mAh Li-ION battery
Light 650 mAh Li-ION battery
Light 750 mAh NiMH battery
High Power 1800 mAh Li-ION battery
Travel Charger
Cigarlighter Charger 12/24 V

BOSCH EASY SETS

Accessories for Bosch mobile phones
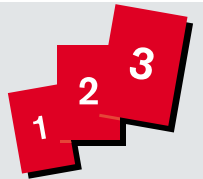
GSM 909 DUAL

For the car		
GSM 909 Executive		112
Voice Controlled Handsfree Car Kit		106
Professional Handsfree Car Kit		107
Basic Car Kit		108
Simple Car Holder		109
Cigarlighter Charger 12V/24V		104
For the computer		
Data Interface		202
For charging		
Desktop Charger		313
Travel Charger - EU		301
Travel Charger - UK		302
Travel Charger - AUS		303
Travel Charger - US		304
For power		
Light 650 mAh Li-Ion battery		510
Vibra-Alarm 400 mAh Li-Ion battery		509
Vibra-Alarm 650 mAh Li-Ion battery		512
Light 750 mAh NiMH battery		513
High Power 1800 mAh Li-Ion battery		514
Outfit		
Headset		701
Belt clip		707