

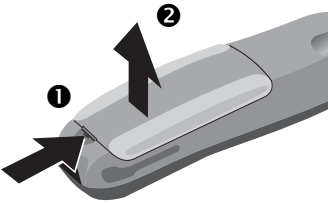
SIM Card / Battery

Insert SIM card

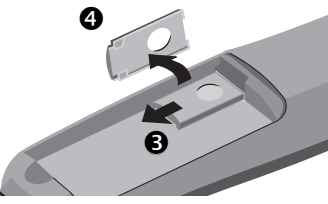
Your service provider will supply a SIM card, containing all the key data about your line.

You may need to snap this out carefully from a credit card sized SIM

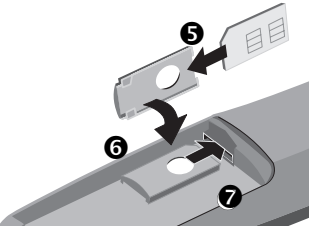
- Press the snap lock in the direction indicated by the arrow (1).
- Lift off the battery cover (2)



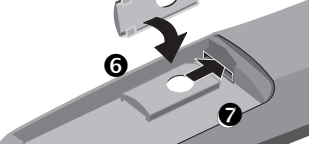
- Slide out the SIM carrier (3), then turn it in the direction indicated by the arrow (4).



- Slide the SIM card into the carrier (5). Ensure the angled corner is positioned correctly and that contact is made.
- Turn the SIM carrier until the SIM card faces the phone (6).



- Slide the SIM carrier into the phone until it clicks into place (7).
- Insert the battery into the phone and close the cover.




Charge battery

The new NiMH battery is not yet fully charged:




- Insert the charger plug into the socket on the phone (with arrow on plug facing upwards).
- Plug charging unit into a mains power socket (ensure voltage range stated on charger is not exceeded).

The unit is fully charged after 2 hours. The charging unit will heat up when used for longer periods. if you experience a reduction in usage time, carry out the battery care function (p.52).

 Display shows charge level.

Usage time

A fully charged battery: 50 - 180 hours standby time **or** 90 - 300 minutes talk time.

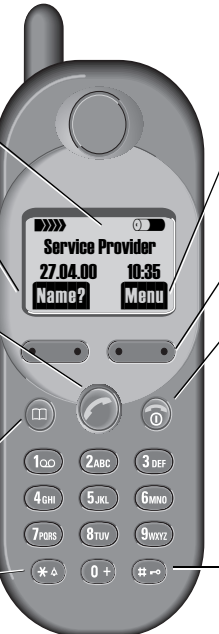
Batt. empty:  -  -  full

A beep sounds when the battery is nearly empty.

RÜCKSEITE

VORDERSEITE


Overview

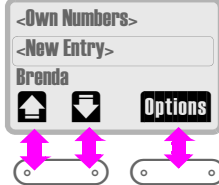


- Display Indicators**
Reception strength/ battery level.
- Fast Access Key**
Can be assigned an important phone number/ function.
- Call Key**
 - Dial the displayed phone number or name.
 - Accept calls.
 - Display last calls in standby mode.
- Phonebook**
Display phonebook entries for easy calling.
- Ringer On/Off**
Hold down: Switch ringer on and off.
- Menu**
Set the network and phone functions.
- Soft Keys**
(see below)
- On/Off/End**
Press briefly: End call or jump back to the previous menu level.
- Hold down:** Activate/deactivate phone or return to standby mode.
- Key Lock**
Hold down: Activate and deactivate the key lock.

Soft Keys

The current functions are shown on the display as symbols or text above the keys. Different functions are available by pressing either the left or the right end of the keys.





In standby, the soft keys enable fast "name" dialling and menu access or access to a special service, such as  SIM service.

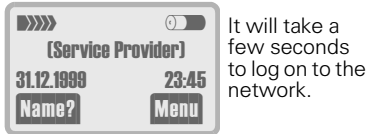


Making Calls

Switch on


Do you still have to insert the SIM or battery? See reverse page for details. Switching PIN control on/off, change the PIN code, p. 54.

-  Hold down to switch on or off.
-  Enter your PIN code. (correct any errors with ).
-  Confirm (soft key).







It will take a few seconds to log on to the network.

When the name of the service provider appears, the phone is in standby.

If the signal is too weak, move to a window or open space. By pressing the  soft key, you can make an emergency call on all networks even without a SIM card or PIN code.

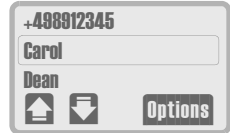
Making a call

-  Enter the phone number (**always with prefix**).
-  Press. The phone number on the display is dialled.
-  Press. The call is ended.

 Dials any highlighted number in messages.



Redialling

Redialling




The last 10 numbers you called are stored.

In standby:




-  Press.
-  Pressing again dials the last phone number used or scroll to highlight previously used numbers.

Auto redialling




 Press to repeatedly dial a number in progressive intervals for 15 minutes.

Records

The last calls received, made and missed are stored (depending on network).




-  Press, and select **Records** followed by the required list.
-  Scroll in the list and select a phone number.
-  Press for the last caller or choose a different caller from the list.

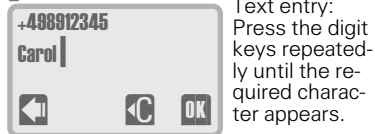
International dialling code

-  Press until “+” appears.
-  Press and select country **or** enter dialling code.
-  Enter the national phone number (the first digit is omitted in many countries).

Phonebook


Making an entry in the Phonebook


-  Enter the required phone number **with** prefix.
-  Press.
-  Enter a name for the number.



Text entry: Press the digit keys repeatedly until the required character appears.




The cursor moves on after a short pause.

 Press briefly to delete the last character; hold down to delete the last word.

 Press. The phone number is stored and can be dialled immediately:

 Press.

Making a call

-  Open phonebook.
-  Select a name with the first letter and/or scroll.
-  Press, the highlighted entry is dialled.





Phonebook menu


Open the phonebook and highlight an entry. The functions available include among others:

Edit Entry, Delete Entry, Send as Text, Check Space and VIP Entry for important numbers. **Calling Symbols**Add picture to phone number.

Comfort Features

Fast Access keys




- Set the soft key:
 Press (the first time, then  or, e.g.  Press digit key.
- Set speed dialling number (2 - 9):
 Press digit key.

 Press

... then select a function from the list:

- Open the **Phonebook** to select a phone number (e.g. “Office”).
- If you select an application (e.g. **Games**), this is assigned directly to the soft key.

 Press.



Making a call (e.g. the “Office” no.): Press  /  or first press a speed dialling number, e.g. .

Making several calls at once


(Depends on the network)

- If the “Call Waiting” feature is available in the network, you can answer a second call, put the first on hold and switch back and forth between the two calls.
- You can make a second call, then return to the first and join all calls together (conference). To do this, during the first call:

 Press.

 /  Make the second call.

Press  or  and select **Conference**.

 Press to complete a call or return to the first call

Overview of functions

Menu Control

Main Menu

The main menu is always reached from standby mode by pressing the right soft key.



 Press.

Submenu

You can branch from the main menu into submenus for accessing functions and options:

Press   or .

Go back


-  Press briefly to go back one menu level.
-  Hold down to go back to standby mode.

Features available in the main menu:

Usage Hints



A brief introduction to the various phone functions.

SIM Services (depending on SIM card) Special applications, such as banking or stock market functions, if supported.

Internet  (depending on the network)

This area in the main menu can also be set with one of the other functions listed below.

Office & Fun

- Internet : Access to special sites on the World Wide Web.
- Appointments: Entry of daily or regularly recurring appointments.
- Calculator : Basic calculator functions and memory.
- Currency Conv.: Conversion between 3 currency pairs.

tween 3 currency pairs.

- Games: Have fun!
- Chronometer with Stopwatch, Alarm Clock and Countdown.

Messages

See right for further information. Your service provider may offer Cell Broadcast where specific and local information is broadcast.

Records

The phone stores the most recent calls, whether made, received or missed, as well as appointments missed.

Audio

You can select a variety of volumes and melodies for acoustic signals. There are 21 melodies to choose from for the ringer and you can also compose your own melody.

Time/Charge

You can display call charges and duration.

Divert



Diversion of calls to your own mailbox or to other numbers

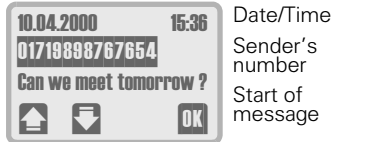
Setup

- Selection of a particular service provider and network services.
- Options for restricting the usage of the phone.
- Basic phone settings such as language, time, usage in car, etc.
- It is possible to communicate with PCs by integrated modem.


Messages



Text Message

-  Indicates a new message on the display.
-  Press to read.




Date/Time
Sender's number
Start of message

 Scroll through the message.


-  Access message menu with further functions, such as reply, edit, delete, etc. (see p. 38).
-  Press to select highlighted phone number.




Messages should **always** be deleted after they have been read.


 Flashes when memory is full. Delete messages as otherwise no more messages can be received.


Writing and Sending Messages

 Press, select **Messages**, then **Write Message**, then **Create New**.

 Write your message (T9 editor, see p. 35).

-  Set a blank.
-  UPPER/lowercase.
-  Insert a full stop.

 Press and select **Send Text** from the menu.

 Enter the phone number/select the no. from phonebook.



If necessary, enter the phone number of the service centre retain type and validity (see p. 39).


 Press.

Voice Message


The service centre provides you with a mailbox that operates in the same way as an answerphone.

Listening to Voice Message

-  Indicates a new voice mail on the display.
-  Press to play back.

A voice mail can also be indicated by a text message () or a call.

Call and listen to mailbox:


 Press (see “Digit Key”, page 18).

Setting Voice Message

If not already pre-set, you will receive a number for calling the mailbox and one for diverting to the mailbox.


1 Calling the mailbox (playback)

 Select **Messages** then **Voice Message**.

 Enter the “Call” no. to hear the messages.

2 Call diversion to mailbox

 Select **Divert** then **All Unanswered** then **Set**.

 Enter the diversion number to the mailbox.

Overview

1

Display Indicators

Reception strength/
battery level.

Fast Access Key

Can be assigned an im-
portant phone number/
function.

Call Key

- Dial the displayed
phone number or
name.
- Accept calls.
- Display last calls in
standby mode.

Phonebook

Display phonebook en-
tries for easy calling

Ringer On/ Off

Hold down: Switch
ringer on and off.

Menu

Set the network and
phone functions.

Soft Keys

(see below)

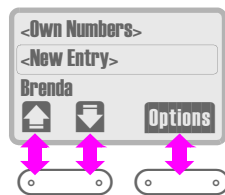
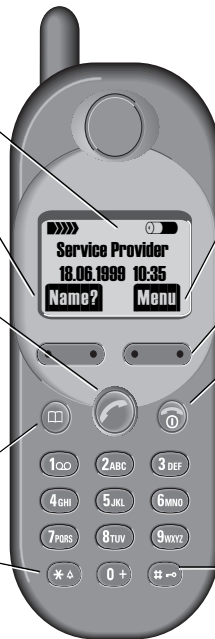
On/Off/End

Press briefly:
End call or jump back to
the previous menu level.

Hold down:
Activate/deactivate
phone or return to stand-
by mode.

Key Lock

Hold down: Activate and
deactivate the key lock.



Soft Keys

The current functions are shown in the
display as symbols or text above the
keys. Different functions are available by
pressing either the left or the right end of
the keys.

In standby, the soft keys enable fast
"name" dialling and menu access or ac-
cess to a special service, such as SIM service.

Precautions

All radio transmitters carry risks of interference with electronics in close proximity:



Deactivate when on board aircraft.
Prevent inadvertent activation!



Deactivate near gas stations, fuel depots, chemical plants or blasting operations.



Deactivate in hospitals and in the vicinity of medical electronics, such as pacemakers and hearing aids.



Minor interference may affect TVs, radios, PCs, etc.



Avoid touching the antenna unnecessarily while using the phone.



Do not hold the phone in your hand while driving a car ("Car Accessories", page 69).



Do not dismantle phone or battery.

Please note:



Only use ORIGINAL SIEMENS batteries/charging units. The use of non-specified accessories can lead to significant health and material damage.



Unusable batteries should be disposed of in accordance with relevant legislation.



Only use ORIGINAL SIEMENS accessories to avoid damage to your phone.

Improper use invalidates the guarantee.

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



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Introduction

5

Symbols used

The following symbols are used to simplify operation:

	Input of numbers or letters.
	Soft key for the function displayed above.
	Press the soft key at the right or left as indicated.
	Representation of a soft key function.
	Function depends on the service provider; separate registration may be necessary.
	Function only available in i version.

Menu Control

The menus provide access to important functions and settings for your telephone.

Main Menu

To reach the main menu, press the right soft key in standby mode (see page 8).

 Press.

Submenu

You can branch from the main menu into submenus for accessing functions and options.

Go Back



Press this button briefly to go back one menu level.



Hold this button down to return to standby mode.

Menu Entry

Menu entry is sometimes abbreviated in the operating instructions, e.g.:

Menu → **Audio** → **Volume**

means



Press to open the main menu.



Scroll to the **Audio** menu item.



Press to open the **Audio** menu.



Scroll to the **Volume** menu item.



Press to open the **Volume** menu.

Getting Started

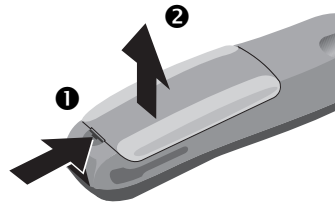
1. Insert SIM Card

Your service provider will supply a SIM card, containing all the key data about your line.

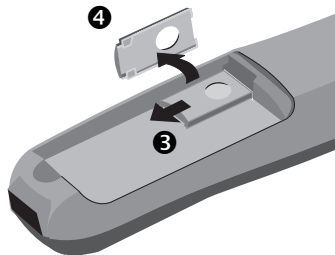
You may need to snap this out carefully from a credit card sized SIM.

If removing the battery, ensure the phone is switched off first.

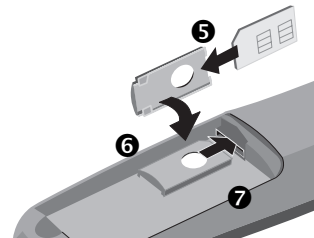
- Press the snap lock in the direction indicated by the arrow (1).
- Lift off the battery cover (2).



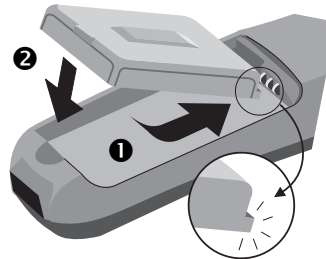
- Slide out the SIM carrier (3), then turn it in the direction indicated by the arrow (4).



- Slide the SIM card into the carrier (5). Ensure the angled corner is positioned correctly and that contact is made.



- Turn the SIM carrier until the SIM card faces the phone (6).
- Slide the SIM carrier into the phone until it clicks into place (7).
- Insert the battery into the phone (see diagram below) and close the cover.



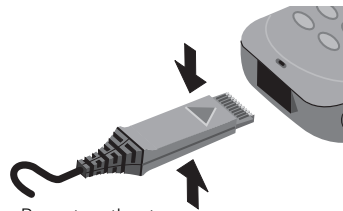
Getting Started

7

2. Charge Battery

The new NiMH battery is not yet fully charged:



- Insert the charger plug into the socket on the phone.



Press together to remove

- Plug charging unit into a mains power socket (ensure voltage range stated on charger is not exceeded).

The charging unit will heat up when used for longer periods. This is normal and is not dangerous.

-  When charging is in progress.
-  Charging is complete.

Charging Time



The unit is fully charged after 2.5 hours. Variations in the power supply can lead to different charging times.

Telephoning

The telephone can be used while charging is in progress.

Usage time

A fully charged battery can provide 50 to 180 hours standby time or 90 to 300 min. talk time.

-  Charging status display.
-  A beep sounds when the battery is nearly empty.

If you experience a reduction in usage time, carry out the battery care function (page 52).

The times specified above are average times. They may vary depending on personal usage and network conditions (see also "Technical Specifications", page 66).

3. Switch On



Hold down to activate, in standby mode (see page 8) **hold down** to deactivate.

If the error message "Please insert your SIM card!" appears when you switch on, please check if the SIM card is correctly inserted.

Also, please note that older SIM cards (5 volt technology) cannot be used. Contact your service provider if you have questions or encounter problems.

Emergency Call (SOS)


By pressing the **SOS** soft key, you can make an emergency call on all networks even without a SIM card or PIN code.

This function must **only** be used in emergencies.

4. Enter PIN

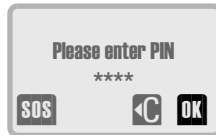
Your SIM card can be protected with a 4-8-digit PIN code to prevent misuse (depending on the SIM card).



Enter your PIN code (shown as a series of asterisks).
Correct any errors with .

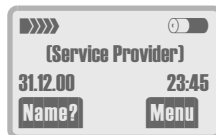


Press the key on the right beneath the display (see figure).



It will take a few seconds to log on to the network.

When the name of the service provider appears on the display, the phone is in **standby mode** and is ready for use.



Info

Wrong PIN?

The SIM card will be blocked after the third incorrect PIN entry (see "Troubleshooting", page 63).

See also "PIN Control" and "Change PIN" (see page 54).

Network Connection



Indicates incoming signal strength.



A weak signal reduces call quality and there may be a risk to call continuity.

If the signal is too weak, move to a window or open space.

There is an antenna at the top of your phone. Do not interfere with it unnecessarily while making a call as this can impair the quality of your connection.

Your phone will automatically select another GSM network if you are abroad or outside your "home" network (see page 54).

SIM Services



This symbol is displayed when your SIM card supports special applications, such as banking (see page 22).

Making Calls

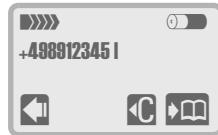
9


Dialling a Number


The phone must be switched on (standby mode).



Always dial the required number with **prefix** (international dialling code if appropriate).



 Press briefly to clear the last digit, hold down to delete the entire number.

 Save the number in the phonebook, see page 12.



Press. The number displayed is dialled.

Ending a Call



Press. The call is ended. You should also press this key if the person you called hangs up first.

Info

Setting the date/time, see page 58.

Setting the language, see page 51.

International Dialling

Many international dialling codes are already stored in your phone. To retrieve these:



Press until a "+" symbol appears.



Press.



Select the required country from the list.



Press. The international dialling code appears on the display.



Add the national number (the first 0 is omitted in many countries).



Press. The number displayed is dialled.

Functions Available while Making a Call:



(see page 20)



(see page 21)

Easier Ways to Call

Easier, quicker and error-free dialling by:

- Redialling previous numbers.
- Automatically redialling busy numbers.
- Calling back unanswered/received calls (see page 44).

or using the

- Phonebook (see page 12).
- Fast access (see page 17).

Making Calls

When a Number is Busy

The following functions are available if the number you dial is busy:

Auto Redialling

AutoDial Press to repeatedly dial a number in progressively longer intervals for up to 15 minutes. No other number can be dialled in this period.

End

Off

Press.

or



Press.

Every other function terminates this function.

Reminder

Prompt

Press for a reminder to dial the number again in 15 minutes (beeps and displays number).

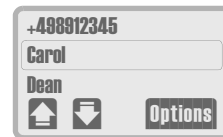
Redialling

The last numbers you called are stored.

From your standby display:



Press. The redial list is displayed.



Press again to redial the last call

or

to redial a previous number:



Scroll to highlight required number.



Press to dial the number selected.

Options see page 44.

See page 44 for information on how to dial other stored numbers:

- Calls missed.
- Calls received.

Incoming Calls

11

Answering Calls

To be able to receive calls, you must switch the phone on (standby mode).



Press 

or



Press.

Ending Calls



Press.

Unwanted Calls

Reject

Press for the caller to hear the busy signal.

Divert

This appears when "call diversion" is active (see page 49).

or




Press.

Turning off Ringer



Hold down. The ringer is deactivated for the current call.

Missed Calls

Missed calls, i.e. unanswered calls are indicated by a  icon.

Info

- The numbers of received or missed calls are saved (providing the network supports this function) so that you can return these calls (see page 44).
- An incoming call will interrupt any other use of the phone.
- Data, fax calls (see page 57).

Phonebook

You can enter frequently dialled numbers with a name in the phonebook. The number is then dialled by simply selecting the entry. If a call number is saved under a name, the name will appear on the display when a call is received from that number.

New Entry



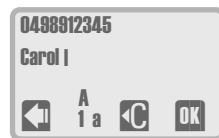
Enter the number **always with the prefix**.



Press.



Enter a name for the number (see also "Text Entry", on the right).



Press.



The number can be dialled straight away.

or



End input and begin a new entry.

Info

The editor T9 cannot be used for entries in the phonebook (see page 35).

Text Entry

Press number keys repeatedly until the required character appears. The cursor advances after a short delay.



Press once for the "A", twice for "B", etc.



Press briefly to erase the letter preceding the cursor, hold down to erase the whole name.



Press to manually switch from upper case to lower case.

The first letter in a name is automatically written in uppercase.



Press to switch between numbers and letters.



Press to create a blank.



Umlauts are displayed after the relevant letters.



Controls cursor position.

Special Characters

Press the key repeatedly until the character appears.



Blank 1 € £ \$ ¥



+ 0 - . , : ? ¿

! ¡ " ' ; _



A - a * / () < = >

% □



A - 1 # @ & § Γ Δ θ

Λ Ξ Π Σ Φ Ψ Ω

Phonebook

13

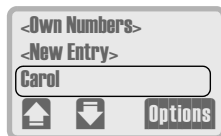
Calling from Phonebook



Open the phonebook.



Write the first letter of required name and/or scroll to highlight required name.



Dial the entry selected.

VIP Phonebook

Important numbers can be transferred to the **VIP Phonebook**.



Press twice to open the VIP Phonebook. Then proceed as above.

For information on adding new entries to the VIP Phonebook: see "VIP Entry", page 14.

<Own Numbers>

Depending on the SIM card, you can enter up to six "own" numbers (e.g. fax).

<New Entry>

See page 12.

Info

Selection by Name in the Phonebook



Open the phonebook.

Use the digit keys to enter the first letter of the name required, e.g.



For **Paul**. The phonebook scrolls to the first entry beginning with the letter "P".

Extending Numbers

You can enter partial numbers in the phonebook (e.g. a company number/PABX).

These partial numbers can be extended before dialling:



Open the phonebook.



Select the (partial) number.



Open the menu, select **View Entry**. The phonebook entry is displayed.



Add the extension number.



Dial.

or conversely



Enter the (partial) number.



Open the phonebook.



Select the extension number.



The extension number is added to the call number.



Dial.

Phonebook

Phonebook Menu



Open the phonebook.



Select a name by entering the first letter and/or scrolling to required name.

Options

The menu is displayed; now select the required function.

View Entry
Edit Entry
Delete Entry
VIP Entry
Calling Symbols
Location
Send as Text
Check Space
Del. PhoneBook

View Entry

Edit Entry

The entry is displayed.



Change the number if necessary.



Confirm.



Change the name if necessary.



Confirm.

Delete Entry

The entry is deleted from the phonebook after confirmation.

VIP Entry

Only designate important numbers as VIP entries to ensure fast access (page 13).

Calling Symbols

You can assign a "calling face" or a graphical icon to phonebook entries.

Calling Faces

Assemble a face. You can choose from 9 pictorial elements.



Mark the face part (top, middle, bottom).



Display three possible views of a part.



The "calling face" is appended to the phonebook entry.

Calling Symbols

Select the required picture from the previous symbols.



Display the pictorial symbols.



Scroll through the possible pictures in groups of three.



The picture is appended to the phonebook entry.

Delete Picture

The picture is deleted from the entry.

Phonebook entries with pictures are not stored in the SIM card, but in the unit's memory (see also "Location", page 15).

Calling symbols are displayed if a person who is assigned a calling symbol calls. Prerequisite: the call number is recognised by the network.

Phonebook

15

Location

A new phonebook entry can be stored as follows:

SIM Card

Entries are automatically stored in your SIM card, enabling them to be transferred to another GSM phone.

Phone

Phonebook entries with pictures are stored here.

If your SIM card is full, entries will overflow into this memory.

Special

If you have a special SIM offering "Fixed Dialling Numbers", you can restrict calls to entries in this phonebook. PIN2 is needed to change this (see page 54).

Send as Text

The entry can be sent as an SMS message (see page 34).

The recipient can immediately enter the number in his/her phonebook.

Check Space

You can check used and available capacity for:



SIM card



Special SIM card



Phone memory

Del. Phonebook

You can select the phonebook to be deleted. The phonebooks available for deletion depend on the SIM card used. You will be asked to enter a security code before the delete operation (see page 54).

Info

- Always enter the full number with the area code (e.g. 0171 for London).
- If you travel abroad often, you should enter all phonebook entries with the international dialling code (e.g. +49 for Germany).

Phonebook

Saving a Control Code

You can store phone numbers and control codes (digits) together in the same way as a normal phonebook entry. This is useful if you want to control an answerphone remotely.



Enter the phone number.



Hold down until "+" appears on the display (pause to establish connection).



Enter the control code (digits).

You can hold down again to create a further pause of 3 seconds to ensure the digits are processed correctly on the receiver side.



Press.



Enter name.



Save.

Alternatively, just save the control code (digits) and send it during a call (see page 21).

Info

Improved Phonebook Management

You can use the "SoftDataLink 3" accessory to create and manage your phonebook entries via a PC/PDA (see "Accessories", page 68).

Service Provider Expansions

Your service provider may have added important service numbers to your phonebook or can do this on request.

Phonebook Restrictions

Please note that the use of your phonebook can be restricted (normal for some business applications).

Incomplete phone numbers can be marked with a "?" in a restricted phonebook. These numbers can be completed before dialled.



During a Call

You can also use the phonebook during a call, e.g. to look up a number or to send a control code.

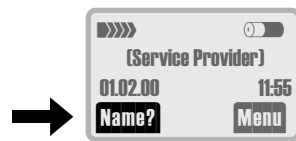
Fast Access Keys

17



The left soft key and the number keys 2 to 9 can each be assigned an important phone number or one of the functions listed below. The phone number can then be dialled, or the function can be started at the touch of a button.


- **Phone Number** (page 12)
- **Write Message** (page 35)
- **Currency Conv.** (page 30)
- **Games** (page 31)
- **Calculator**  (page 29)
- **Internet**  (page 23)

Soft Key



The left soft key can be used for fast access.

This may be temporarily replaced with  / , for example, for access to a new message.

Your service provider may have already programmed this key (e.g. access to " SIM Services").


Setting

When making initial settings:

Name? Press.

 Select function.

If you select **Phone Number** the phone-book will be opened.

 Select a name by entering the first letter and/or scroll to the relevant entry, e.g. **Office**.

or

If you select an application (e.g. **Games**), this is set directly on the soft key.

Select Press.

Use

Office Press.

OK If a phone number is set on the fast access key, this is dialled or, alternatively, the application is started.

or

Office Hold down.

Changing

Office Press.

Change Press.


Proceed as described above under "Setting".

If you do not want to assign a function to the left soft key, then select the entry **<Empty>**.

Fast Access key

Digit Key

Digit keys 2 to 9 can be used as speed dialling numbers for fast access.

Digit key  should be used for the phone number for checking the mailbox.

Setting

To set a digit key for the first time, e.g. 2:



Press the digit key.



Press



Select a function.

If **Phone Number** is selected, the phonebook is opened for a number to be chosen.



Select a name by entering the first letter and/or scroll to the relevant entry, e.g. **Office**.

or

If you select an application (e.g. **Games**), this is set directly on the soft keys.



Press.

Use

Either a stored phone number is dialled or a stored application is started. In standby mode:



Press.

The setting for 2 appears instead of the left soft key, e.g.:



Press.



Press.

or



Press.



Press.

Changing



Press the digit key briefly; the current setting will appear (e.g. **Games**).



Press.



Proceed as described under "Setting".

During a Call

19

Volume Control

Menu Press. The menu appears.

Select **Volume Control**.

+ - Use the left soft key to adjust the handset volume.

Call Waiting



During a call you can be advised that there is another call waiting. You may need to register for this service and set your phone (see page 56). You will hear a special tone during the call.



You have three options:

1 Swap

Swap This accepts the waiting call and places the current call on hold.

Call swapping:
You may swap back and forth as required (see page 20).

2 Reject Waiting Call

Reject Rejects the call; the caller hears a busy tone.

or

Divert If this is set, the call is diverted to the answerphone or mailbox, for example (see page 40).

3 End Current Call, Answer New



Press to end the current call. The waiting call will ring.

Answer Answer the call.

Notebook

You can enter a phone number during a call (the person on the other end may hear your entry). This number can be stored or called after you have ended the call.

During a Call


Conference/Toggling

You can call an additional number during a call.



You can swap back and forth between both calls or link all callers together in a conference. A conference can include up to 5 participants.


During a call, explain your intention:



then press 

The current call is put on hold.

 /  Enter a phone number or select one from the phonebook.

 Establish the new connection.

Three options are now available:

1 Swap

Swap

You may swap back and forth between the two calls as required.

If the current call is terminated you will be asked: "Return to call on hold?"

Yes

Return to the held call.

No

The held call is terminated.

2 Conference

Menu

Press, select **Conference**.

A held call is joined (conference line for up to five subscribers).

3 End Connection



Press. All calls are terminated.

Your service provider may not offer all the functions described.

During a Call

21

In Call Menu

The following functions are only available during a call.



The menu is displayed; now select the required function.

Volume Control
Microphone off
Conference
Hold Call
Time/Cost
Send DTMF tones
Call Transfer
MAIN MENU
Call Status

Volume Control



The left soft key is used to adjust the handset volume.

If Car Kit Comfort is used, this setting does not affect the usual configuration.

Microphone off

You can switch the microphone on or off. If it is switched off, the person on the other end will not be able to hear you.

Conference (see page 20)

Hold Call

The current call is placed on hold.

Time/Cost

You can check current call time and cost (if programmed, see page 48).

Send DTMF tones

You may transmit control codes (digit) for controlling an answerphone and other devices.

From the Phonebook

Establish a connection with the device, then



Open the call menu and select **Send DTMF tones**.



Press. Select the name of the control code in the phonebook.

Manual Entry

After a connection is established.



enter the digits for the control code.

Call Transfer

Join the original call to the second one. You are no longer connected to either call. This function may not be supported by all service providers.

MAIN MENU

This is the fast way to access other menus, for example, to check a message (see also page 22).

Call Status

All held and active calls are listed (e.g. participants in a conference).

Main Menu Information

Main Menu

The main menu gives you access to important phone functions and settings. In standby mode, this is accessed with the right soft key:

Menu Open the main menu.

The main menu contains the following functions:

Usage Hints (operating instructions)
(SIM Services)
(Games) (Internet [35])
Office & Fun
Messages
Records
Profiles
Audio
Time/Charge
Divert
Setup

All menu items open a submenu in which the required functions can be selected.



Press briefly to jump back one menu level.

Hold down to jump back to standby mode (see page 8).

Menu Mode

To make it easier for new users to learn how to operate the phone, the comprehensive main menu is reduced to the key functions (see also page 51).

Menu → Setup → Menu Mode

SIM Services (optional)

Your service provider can offer special applications through the SIM card, such as homebanking, stock market, etc.

If you are registered for one of these services, the service name will appear at the top of the main menu or directly above the left soft key.



SIM service icon.

If there is more than one application, these are displayed in the "SIM Services" menu.

Menu → SIM Services

With the SIM Services menu your phone is future-proof and will support additions to your service provider's service. For further information contact your service provider.

Games (Internet [35])



Fast access to games (page 31)/ Internet (page 23) from the main menu.

A different function may have been assigned to this menu item by your service provider.

Office & Fun

23

Office & Fun contains the following functions:

(Internet) 
 Appointments
 Calculator 
 Currency Conv.
 Games
 Chronometer

Internet



Your telephone provides access to the Internet. On account of the limited display size, Internet information is shown in a special format adapted to the display options available on the phone. For this reason, not all Internet services are available. Information on the scope of the available WAP services is available on the Internet or from your service provider.

Internet access may require registration with your service provider.

Settings

An access profile must be set before initial access.

Setting are frequently preprogrammed by your service provider. If not, the connection must be configured. The service provider can update the settings via an SMS message.

The corresponding functions can be found under **Profiles** in the browser menu. Contact your service provider, if necessary.

Switch Key

The **right** soft key can be used to activate any of three functions depending on the current situation. To switch between these different assignments, press the **right side** of the soft key.



Press to switch.



Press to select.

Possible assignments, e.g.:



Jump to an Internet site (online).



Confirm menu selection.



Display the submenu.

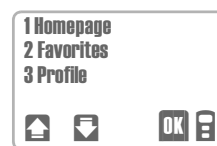


Display browser menu.

Internet Access

Menu → **Office & Fun** → **Internet**

The following appears when the function is activated if no pages from a previous session were saved:



Scroll to select a menu or enter a number.




Press.


Please note that WAP utilisation incurs additional costs (see also **Linger-time** below).


 Online,  Offline

The online/offline display appears on the top right in the display.

 Press repeatedly to change the display: title bar, scrollbars, display keys are removed, etc.

Browser Menu

 Press until **@Menu** appears.

 Open the browser menu.

Homepage

The first WAP Internet site displayed after you establish a connection (may be defined/preset by the service provider).

Favorites

Up to nine of your most important WAP sites are displayed for fast access.

Favorites

Output of list. Mark a (where applicable blank) line.

 Press until

Menu appears.

Change Select to change or enter an entry.

Clear Select to delete the current entry.

Navigation

Go to URL

Input option for direct Internet address selection.

Show URL

(Uniform Resource Locator)
Displays the current Internet address visited.

BrowserReset

The browser is reset, the sites saved are deleted.

Disconnect

Terminate the active data connection.

Profiles

Up to 5 profiles can be created irrespective of the service provider (see next page).

Services

Channels

Load WAP pages to the telephone and then read offline.

Outbox

E-mails that are to be sent later, for example, can be stored here (depending on the service provider).

Office & Fun

25

About Phone.com

Displays the current browser version.



Terminate the Internet connection.

Special characters

(as in the case of SMS text editor)



press 3 times for /



press 3 times for @



press 4 times for . (full stop)

Profiles

You can set or modify the maximum 5 access profiles as necessary. Inputs and functions can differ depending on the service provider.

Profile Settings

Proceed as follows to set up a new profile:



Open the browser menu.

Profiles

Select and confirm with **OK**.

Profile1..5

Select a profile and confirm with **OK**.

Settings

Select and confirm with **OK**.

You can leave the list once all entries have been made:



Press briefly.

Your service provider will inform you which entries must be made in the following list.

Activate the input functions one after the other and confirm the entries with **OK**:

Profile name

You can give the profile another name.

Dial-up number

Enter the node dial-up number.

Call type

Select whether ISDN (V.110) or analog (V.32).

Log-in name

Enter the user name.

Password

Enter the password.

IP address

Enter the IP address.

Port

Enter the gateway.

Homepage

Enter the homepage (see also **Navi-gation** in the browser menu).

Linger-time

Enter the time in seconds after which a connection should be cleared down if **no** entry is made.

Activate

Activate a set profile.

Profile 1..5 Select the required profile and confirm with **Pick**.

* Marks the activated profile.

Encryption

Specific sites can be encrypted to guarantee secure data exchange.

Verify Key

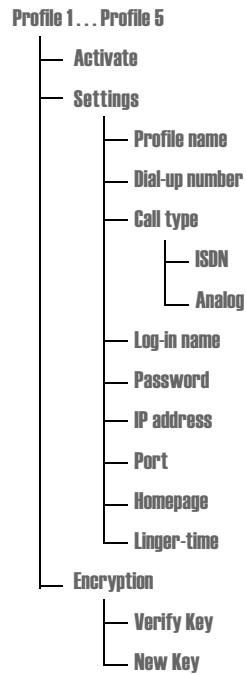
Check the existing key.

New Key

Request a new key from the service provider.

The **Encryption** menu item only appears if a profile is activated.

Overview of profile settings structure:



Office & Fun

27

Phonebook Key



A menu can be opened during a WAP session:

Add Bookmark



Insert the current online page as a new bookmark.

Homepage

See Browser Menu.

Favorites

See Browser Menu.

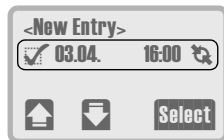
Your Internet browser is licensed by:



Appointments

Menu → Office & Fun → Appointments

You can enter several different appointments for each day in the appointments list. When an appointment time is reached, you will hear an alarm (setting the clock, see page 58).



Entering a New Appointment

- Select **<New Entry>**.
- Select** Press.
- Change the date and time, as necessary.
- Simply press to set an appointment with recurrent alarm.
- Select the alarm: **Date, Daily, Weekly, Monthly, Yearly**
- Select** Confirm selection.
- OK** The default alarm type is **Memo**.
- Change** Select a different alarm type or enter a short text.

Alarm Types

- Memo**
Short note (max. 16 characters).
- Call**
Enter the phone number or select from . This number is displayed with the alarm.
- Meeting**
- Birthday**

Select A short note can be appended.

OK Save the alarm entry.

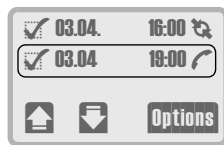
Info

- Display indicates that an alarm is active.
- A total of 30 entries can be created.
- An alarm sounds even when the phone is switched off. It is deactivated by pressing any key. Press **Pause** to delay the alarm by 5 minutes.
- Setting: Alarm tone, see page 46.
- Setting: Clock, see page 58.
- When travelling by plane, please note that alarms are activated even when the phone is switched off.

Office & Fun

29

Editing an Alarm Entry



Select the required alarm.

Options

The following menu is displayed.

View Entry
Activate Alarm
Deactivate Alarm
Delete Entry
Modify Alarm
Clear List
Send as Text

View Entry

The selected appointment is displayed.

Activate Alarm/Deactivate Alarm

A deactivated appointment can be reactivated, and vice versa.

Delete Entry

An entered appointment is deleted from the list of appointments.

Modify Alarm

See "Entering a New Appointment", page 28.

Clear List

All entered appointments are deleted.

Send as Text

Sends the appointment data as a text message.

Calculator

35i

Menu → Office & Fun → Calculator



Enter the first number (sets the decimal point).



Press the right end of the left soft key repeatedly until the required calculator function is displayed.



Repeat the procedure with other numbers.



The result is displayed.

Additional functions



Changes operational signs + and -.



Conversion to percentage.



Saves the number displayed.



Retrieves the number stored.



Exponent (one digit only).

Info



corresponds to soft key =



corresponds to soft key *

Currency Conv.

Menu → Office & Fun → Currency Conv.

You can use the currency converter to calculate any combination from three different currency rates.

Entering a new Currency Pair

Before using this function for the first time, you must set the currencies and exchange rates (max. 3).

If a currency pair has not yet been entered:

Own into Foreign Press.

Select Press.

/ **OK** Enter the symbol for your own currency, e.g. DM.

/ **OK** Enter the symbol for the foreign currency, e.g. € (Euro).

/ **OK** Now enter the relevant exchange rates, e.g. DM = 1, then € = 0.491.

If a currency pair has already been entered:

Select Press.

Finally, select the **<New Entry>** menu item as described under "Edit Exchange Rates".

Edit Exchange Rates



Select the required pair from the list:

Select

Press. The following menu is displayed.

Convert
New Entry
Edit Entry
Delete Entry

Convert



Enter the amount to be converted.



Start conversion to other currency.

Repeat

Make a new entry.

New Entry



/ **OK**

Enter new currencies and exchange rates.

Edit Entry



For example, to alter the exchange rates, proceed as described under "Entering a new Currency Pair".

Delete Entry

The highlighted entry is deleted.

Office & Fun

31

Games

Menu → Office & Fun → Games:

Wayout
Reversi
Quattropoli
Minesweeper

Wayout

Find the way out of a 3-dimensional labyrinth.

Options Provides tips on how to play the game, shows the highest score and allows you to set the level of difficulty.

Start Start game.

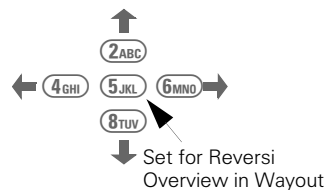
Reversi

Try to obtain as many counters as possible by "trapping" your opponent's counters.

Options Provides tips on how to play the game, allows you to define who begins and set the level of difficulty.

Start Start game.

Controls for Wayout and Reversi:



Quattropoli

Drop the counters into a field from above. The object of the game is to be the first to have four counters in a row (horizontal, vertical, diagonal).

Options Provides tips on how to play the game, allows you to define who begins and set the level of difficulty.

Start Start game.

Controls:



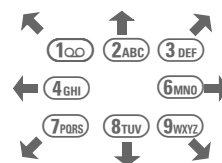
Minesweeper

Find all the fields with no mines.

Options Provides tips on how to play the game, allows you to set the playing field and shows the highest score.

Start Start game.

Controls:



Digit Shows the number of mines in the surrounding fields.

* Δ Uncovers a field.

→ Mark a field that you suspect contains a mine.

0 + , 5JKL Uncover if the number of mines and hits is equal.

Chronometer

Menu → Office & Fun → Chronometer

The following menu is displayed:

Alarm Clock
Stopwatch
Countdown

Alarm Clock

You hear a beep at the set time if the telephone is activated.


Activating, deactivating 

The setting is made as described under "Appointments", page 28.

Activating, deactivating

Change Press to activate or deactivate.

OK The time can be changed once activated.


 / **OK** Change the alarm time

- Setting: Beep, see page 46.
- Setting: Clock, see page 58.

Stopwatch

Displays time to 100th second.

 Start/stop stopwatch.

 Display interim time. Last time is stored.

Reset Reset to zero.

Options Press. The following functions are available:

Save Entry

The current entry can be assigned a comment and saved.

Edit Entry

The comment can be changed.

Delete Entry

The current entry is deleted.

Stopwatch List

A list with the relevant entry date is displayed.

Clear List

The list is deleted.

Countdown

A set period elapses. The last 3 seconds are indicated by a beep. A special beep sounds at the end.

Change The period can be entered.

Start Starts the counter.

Messages

33

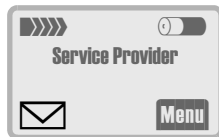
You can use your phone to receive and send written messages (SMS) and to receive voice messages and info services.

Text entry with "T9" enables you to write long messages very quickly (see page 35).

Reading New Messages



Indicates a new message on the display.



Press .

The message is displayed.

- Line 1: Date and time
- Line 2: Phone number/name of sender
- Line 3: First line of message



Scroll.

Deleting a Message

At the end of the message you will be asked whether you want to delete this message.

You should always delete messages when possible as the capacity of the SIM card is limited. If it is full, ...



... the message symbol flashes and **no more** messages are received.

Reading Old Messages

Saved messages can be selected and then read in the incoming or outgoing list (see page 38).

Info

Options

Access the message menu with further functions (see page 38).

- A phone number/name inversely displayed in the message can be:



Stored in the phonebook.




Called.

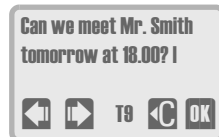
- New messages may be displayed immediately on receipt (depending on the network).

Messages

Creating a New Message

Menu → **Messages** → **Write Message**
→ **Create New**



 Create the message
(for text entry see page 35).



OK Open the text menu.

Select **Send Text**.

Adding a Phone Number

  Enter a phone number or
select one from the
phonebook.

Send

Send The message is trans-
ferred to the service cen-
tre for transmission. If the
service centre's phone
number is not stored
(page 39), it must be en-
tered each time a mes-
sage is sent.

Set Message Type / Validity Period

The **Variable** setting can be used to
change the message type or validi-
ty before each call (see page 39).

Text Menu

The text menu offers additional
word processing functions, such as:

Send Text
Save Text
T9 Text Input
T9 Language
T9 Info
Insert new line
Clear Text
Insert Picture

Send Text

Enter the recipient's phone number
or select this from the phonebook
and send.

Save Text

The text is saved.

T9 Text Input

Activate or deactivate (see page 35).

T9 Language

Select the language you want to use
for the message.

T9 Info

User information.

Insert new line

A line break is entered.

Clear Text

The text field of the editor is cleared.

Insert Picture

The message can include symbols.
In this case, the message can only
be played back via telephones that
support this function.

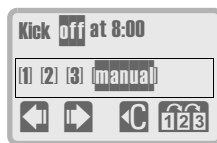
Messages

35

Text Input with "T9"

When using "T9" for entering messages, you only need to enter one keystroke for each letter. T9 deduces the correct word from the individual key entries by making comparisons with a comprehensive dictionary. If a number of letters is possible with a key combination, T9 chooses the most common word and offers a list of possible alternatives.

Writing Messages



Enter the desired word by pressing the key with the appropriate letter only **once**, e.g. for "off":

6 MNO 3 DEF 3 DEF

Because the display is constantly changing during input, it is best to write a whole word without looking at the display.

T9 converts language-specific special characters, e.g. ä. Simply enter the corresponding default character in the message, e.g. a.

Once you have completed your input, check whether the word displayed is the one you want. If so, terminate it, otherwise correct it:

Terminate a Word

100

Blank.

0 +

Press repeatedly for full stop or comma.



Move to the right.

Corrections

1 2 3

Press. Additional possible letter combinations may be displayed.

The current number of the alternative proposal is displayed in pointy brackets in the lower margin, the number of the selected alternative proposal is highlighted.

If no further entries are made, the displayed word is incorporated in the message.

1 2 3

Press repeatedly to scroll through the list of alternative proposals.

The last item in the list is the entry **manual**. Select this entry to enter the desired word manually. This word is automatically incorporated in the dictionary.

Messages

Words that were written with T9 can also be correct subsequently:



Move left/right word by word until the desired word is highlighted.



Press to scroll through the list of alternative proposals.

Setting the T9 Language

T9 functionality cannot be used until the language in which the messages are to be written is set:

Menu → **Messages** → **Write Message**
→ **Create New**



Press before starting your entry.

Select **T9 Language** and set the language.

Activating/Deactivating T9

Menu → **Messages** → **Write Message**
→ **Create New**



Press before starting your entry.

Select **T9 Text Input** to activate or deactivate T9.

You can also activate/deactivate T9 temporarily. This setting then remains active until you quit the text editor for entering messages:



Hold down to activate or deactivate T9.

Info



In T9 mode the cursor jumps from word to word.



Switch: Uppercase and lowercase.

Hold down: closes T9 temporarily.



Switch: Numbers and letters.



Blanks: Ends a word.

Smart Punctuation

If a full stop is entered in a word with (0+), then this is considered to be a wildcard for a hyphen that will be assigned by T9 in the case of subsequent input. For example, the full stop in the string

(2ABC) (2ABC) (6MNO) (0+) (8TUV)

is automatically converted into an ', thereby creating the word "can't". A blank ((100)) after (0+) terminates the word ("can.").

Special Characters

Press the key repeatedly until the character appears.



Blank 1 € £ \$ ¥



. + 0 - . , : ?
¿ ! ¡ " ' ;



A - a * / () < = >
% □



A - 1 # @ & § Γ Δ Θ
Λ Ξ Π Σ Φ Ψ Ω

T9 Text Input is a registered trademark and a patented technique from Tegic Communication, Inc.

Messages

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Preformatted Messages

The phone contains a number of preformatted messages that only need to be supplemented with the correct time and date.





In standby mode:

Menu → **Messages** → **Write Message**, then select the required message:

Create New (page 34)
Late
Appointment
Anniversary

The cursor appears at the first input point, e.g. in the case of "Late".








-  Complete the message.
-  Jump to the next input point.
-  /  Enter the phone number or select from the phonebook.

Info

- A message is confirmed as sent by the phone with the text "Message Sent". The message is stored in the outgoing list and can be selected and re-read there.
- The "Message sent" text only indicates that the message has been transferred to the service centre. The latter now tries to deliver the message within a certain period (see "Validity Period", page 39).
- If the phone was unable to send the message, a retry option is available. If this attempt also fails, then check the phone number of the service centre, see page 39.
- You can also edit your messages with a PC (see "SoftDataLink 3.0", page 68).
- You can edit messages you receive (see "Edit Message", page 38) and store them or send them as your "own" messages.

Forward Message

If the message appears on the display:

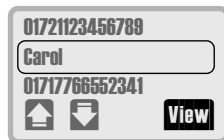
-  Press (if no phone number is highlighted).
-  /  Enter phone number or select from phonebook.
-  /  Press.

Messages

Incoming / Outgoing

Your messages are stored in the incoming and outgoing lists. The number of messages stored is displayed after the relevant function. These can be read, changed and reused

Menu → **Messages** → **Incoming 3 / 3** or **Outgoing 3 / 3**
 Scroll and read as required.



Press

Highlighting messages in:

Incoming:

- Read.
- Unread.

Outgoing:

- Not sent.
- Sent.

Message Menu

A message is displayed.

Options Select a function.

Reply (incoming only)
Delete Message
Edit Message
Send Message
Capacity
Status Report (outgoing only)

Reply

Write Message, Edit Text.
Answer is YES/Answer is NO,
Please Call Back, I'll be late

The text of a received message can be changed, supplemented or combined with one of the standard reply texts to form a new message.

Delete Message

The message is deleted.

Edit Message

The message is displayed in the editor for changes.

Send Message

Enter a phone number or select one from the phonebook, then send.

Capacity

Displays the maximum number of messages and the number of messages already stored.

Status Report

Subsequent request for a report on the message read.

Messages

39

Setting

The phone number of the service centre can be entered here and other settings can be made.

Menu → **Messages** → **Message Setup**, then select one of the following functions.

Service Centre
Message Type
Validity Period
Status Report
Direct Reply

Service Centre

Enter or change the service centre phone number supplied by the service provider.

Message Type

Select a message type for sending to special terminals. The different message types (e.g. e-mail) may be assigned to different service centre phone numbers. Contact your service provider for details.

The current setting is displayed after the function has been called up. To change the setting:

Change

Select the required type.

Variable
Standard text
Telex
Fax
Email
X400
New

Variable (default)

The message type has to be confirmed each time before it is sent.

Standard text

All messages are transferred as normal SMS messages.

Telex, Fax, Email, X400

Special types of messages.

New

You may need to obtain the code number from the service provider.

Validity Period

Select the period in which the service centre is to attempt to deliver the message:

Variable, 1 hour, 12 hours,
1 day, 1 week, Maximum, New.

Status Report

You will receive confirmation of whether or not a message you have sent has been delivered. This service may be subject to a charge.

Direct Reply

The answer to your message is handled via your service centre (contact your service provider for details).

Messages

Voice Message

The service centre provides you with an external answering service (mailbox). Calls you cannot answer or do not wish to answer are diverted to this mailbox. The caller can leave a voice message for you there.

The voice mail service may be part of your service provider's user package. Otherwise, you will need to register and the settings must be made manually.

The following descriptions may vary, depending on the service provider.



Setting Voice Mail

You will receive two phone numbers from your service provider and these are entered as follows:

1 Mailbox Number

This is the phone number you call to listen to your voice mail. To set this:

Menu → **Messages** → **Voice Message**

 /  Enter the phone number or select it from the phonebook


OK Confirm.

2 Divert to Mailbox

Calls will be diverted to this phone number for your mailbox.

A call is always diverted on the basis of a condition (see page 49). The most frequently used condition, "unanswered calls", has been used in the following example. To set:

Menu → **Divert** → **All Unanswered** → **Set**

 Enter the phone number.

OK Register call forwarding to the mailbox on the network. Call diversion will be confirmed after a few seconds.

Messages

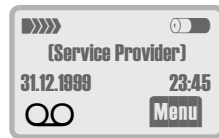
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Listening to Voice Mail

A new voice mail will be displayed as follows:



Appears on the display (with a beep)



Press .

You call your mailbox and play back your messages.

or



Appears on the display (with a beep).



A written message informs you that a new voice mail has been received.

Call your mailbox.

or

You receive a call with an automatic announcement.

Info



Set the mailbox phone number on the key indicated (see "Digit Key", page 18).

- It may be necessary to call a different mailbox number when outside your home network.
- If a password (digits) is required to access your mailbox, then you can store this in the phonebook along with the phone number (see page 16).

Messages

Information Services

Your service provider may offer Cell Broadcast where specific local information is broadcast, e.g. weather and traffic services. Different topics are covered by the various service providers.

If "Cell Broadcast" is active, you will receive messages on the active topics in your "Topic List".

Menu → **Messages** → **Cell Broadcast**

Broadcast
Read New CB
Topic List
Auto Display
Topic Index
CB Language

Broadcast

You can activate and deactivate the CB service. The operating time of the phone will be reduced if the CB service is activated.

Read New CB

All unread CB messages are displayed (across the whole display).


Set Topics

You can add 5 topics to this personal list by selecting them from the Topic Index (see page 43) or entering them yourself with the name and channel number. Depending on the SIM card, other channel numbers without names may be possible.

New Topic

Select <New Topic>.

- If there is no Topic Index as yet (see page 43), then

 / **OK** Enter the topic and the channel number.

Select Press.

- If the Topic Index has already been transmitted, then

 Select a topic.

Select Press.

Selection from a List

You can edit entries in the topic list.

 Select a topic.

Options Select the required function.

View Topic

If a message exists for then selected topic, then it will be displayed.

Activate Topic/Deactivate Topic

Edit Topic

You can change the name and channel number.

Delete Topic

The topic is deleted from the list after confirmation.

View Topic ID

The channel number is displayed.

Messages

43

Auto Display

CB messages are displayed in standby mode and long messages are automatically scrolled.

 / **View CB** Press.

Switches to "Full page view".

Automatic display can be set for all messages or only for new messages, or can be deactivated.

A beep can be set for this purpose (see page 46).

Topic Index

The list of topics currently provided by your service provider is displayed for selection purposes.







If no list appears, then the ID can be entered manually (see page 42). Please consult your service provider for further details.

CB Language

You only receive Cell Broadcast messages in the selected language. "All Languages" means that messages are received in all languages.

Info

Displays

-  Topic activated.
-  Topic deactivated.
-  New messages received on the topic.
-  Messages on the topic already read.
- Phone number in reverse video
-  dialled.
-  stored in the phonebook.

Records

The phone records the phone numbers of the most recent calls, enabling you to call back.

Menu → **Records**, then select the call list.

Calls missed
Calls received
Calls dialled
Alarms missed



Scroll and select a phone number from the list.



The highlighted phone number is dialled.

Calls missed



The phone numbers of calls you have received but not answered can be recorded for call back purposes. (Providing the network supports the "Caller Identity" feature). Please note that the caller may have left a voice mail (see page 40).

Calls received



The phone numbers of calls that you accepted are saved for callback. Numbers can only be listed if the network used supports the "Caller Identity" feature.

Calls dialled

Fast access to the last phone numbers you dialled. In standby mode:



Press.

Call List Menu

The call list menu can be called up if an entry is highlighted in the display.

Options Select the required function:

View Entry
Edit Number
Save Number
Clear List

View Entry

The phone number, name (if available) and time of the call are displayed.

Edit Number

A phone number can be edited and then dialled or transferred to the phonebook (see page 12).

Save Number

A phone number can be transferred to the phonebook (if not already contained there).

Clear List

The complete call list is deleted after confirmation.

Alarms missed

Appointment alarms you have failed to respond to are listed and can be displayed and edited (see also page 28).

Profiles

45

You can store individual settings for certain functions in a personal profile, or select one of three standard profiles.

If, for example, the phone is used by different users, each one can activate their settings by selecting their own profile.

Menu → **Profiles**, then select the required profile:



Standard Profiles

You can choose between the following "Situations":

Normal
Quiet Environm.
Noisy Environm.



Scroll and select the required profile.

Options

The profile menu is displayed.

Personal Profiles

To set your personal profile:



Scroll to: **<Empty>**

Options

The profile menu is displayed.

Profile Menu

Activate Profile
Change Settings
Rename

Activate Profile

A selected profile is activated.

► Profile activated.

Change Settings

A list of adjustable functions is displayed:

Ringer Setting	p. 46
Volume	p. 46
Melodies	p. 46
Vibration	p. 46
Call Screening	p. 46
Service Tones	p. 47
Key Tone	p. 51
Short Menu	p. 51
Big Letters	p. 52
Bitmap Style	p. 52

Select the required function and adjust the settings in the usual way. When a setting is complete, you will automatically return to this selection list.

All settings are stored in the current profile.

Rename

You can give the selected profile a new name (this does not apply to the standard profiles).

Menu → **Audio**,
then select one of the fol-
lowing functions:


Ringer Setting
Volume
Melodies
Vibration
Call Screening
Service Tones
Record Melody

Ringer Setting

The ringer can be activated and deactivated or reduced to a short signal.

 Display if ringer is deactivated.

You can also activate/deactivate the ringer without using the **Audio** menu:

 Hold down in standby mode (see page 8).

Volume

The volume can be set differently for a variety of signals:

Any Call
VIP- Call
Alarm
Message
Cell Broadcast

 Display for increasing volume.

Any Call

If two independent phone numbers are registered for your phone, you have the following choice:

Both Lines
Line 1
Line 2

Melodies

You can also set a melody instead of a signal (same procedure as for volume).

A variety of melodies are provided, or you can compose your own melody (see page 47).

Vibration

If you do not wish to disturb those around you, you can activate the vibrator instead of the ringer. This can also be activated in addition to the ringer (e.g. in a noisy environment).

Call Screening



Only those calls with phone numbers stored in the phonebook or VIP phonebook are signalled acoustically.

Other calls only appear on the display. If you do not answer these calls, they will be diverted to your mailbox (if activated, page 40).

 Display when active.

Audio

47

Service Tones

The following service and alarm tones can be activated or deactivated:

All
Welcome/G.bye
Network found
Warnings
End of Menu

Record Melody

You can compose a melody of your own and then use it in the same way as the melodies provided (see page 46).



Keys 1 to 8 correspond to the notes C, D, E, F, G, A, H and C.

If you hold down the keys, the length of the note will change.

From 1/16 to 1/8, 1/4 etc.



Insert a pause.



Change octaves.



Change to semi-tones.



Correction.

Save Melody Save the melody you have composed.

Hear Listen to the melody you have composed.

Time/Charge

You can display the charge details and duration of calls as you speak, as well as setting a unit limit for outgoing calls.

Menu → **Time/Charge**, then select a function:

Charges
Charge Setup

Charges



When you have adjusted the settings (see below) you can display the details of the following calls:

Last Call
All Calls out
All Calls in



Scroll and select the required call.

Select Display the data.

After the data has been displayed, you can:

Clear Clear the display.

Options If a restriction exists (see right), then the remaining credit or time is displayed.

Charge Setup

Currency

Enter the currency in which charge details are to be shown.

AdviceOf Charge



If your network supports charge detail display, then the current units are shown.

If you have set the charge per unit, then the costs incurred are displayed.

It may be necessary to register separately for this service.

Personal Rate

Enter the charges per unit/period.

Charge Limit



Special SIM cards allow you or the service provider to define a credit/period after which the phone is blocked for outgoing calls (PIN2 required).

Change Press.

OK Enter the number of units.

Then confirm the credit or reset the counter.

Combined In/Out

Display the call time/charge details for all calls.

Charge Incoming

Display the charge details for incoming calls if this is billed separately.

Auto Display

The length of call and charge details are displayed after every call.

Divert

49

This network function diverts calls to your mailbox or to other numbers chosen by yourself. This means that you are always reachable.

Menu → **Divert**,
then select a function:

All Unanswered
All Calls
Specific Divert
All Fax Calls
All Data Calls
Status Check
Clear all Diverts

Divert



The most common condition for call diversion is:

unanswered calls.

This and other conditions are set in the same way:


Menu → **Divert** →
All Unanswered → **Set**

If a phone number is not yet entered to which calls are to be diverted:

 /  Enter the phone number.

OK Confirm.

or

 Press if offered, to divert to your mailbox.

After a short pause the setting is confirmed by the network.

Divert Conditions


All Unanswered

This covers the key conditions (see also below):

- If not Reachable
- If no Reply
- If Busy

All Calls

All calls are diverted.

 Symbol in display.

Specific Divert

Different call types can be diverted to different phone numbers with the following conditions.

- If not Reachable

Call forwarding if the phone is deactivated or outside the network range.

- If no Reply

A call is only diverted after a delay. The period can be set in intervals of 5 seconds up to a maximum of 30 seconds.

- If Busy

Calls are diverted when a call is in progress.

All Fax Calls

Fax calls can be diverted to a phone number with a fax connection.

All Data Calls



All data calls can be diverted to a phone number with a PC.

Status Check

A check is made in the service centre to see which call diversions are set.

If you wish to check a certain call diversion, including the number, then first select the condition, followed by **Status Check**.

After a short pause the network will transmit and display the current situation.

-  Indicates a set condition.
-  Indicates an unknown status (e.g. new SIM card).

Info

Please note that call diversion is stored in the network and not in the phone.

Clear all Diverts

All set call diversions are deleted.

Reactivating Call Diversion

The last call diversion destination was stored.

Proceed as with **Divert**.

The stored phone number is displayed.



Confirm.

Changing Phone Numbers

Proceed as with **Divert**. When the stored phone number is displayed



Delete the phone number.



Enter the new phone number



Confirm.

Setup

51

Menu Mode

Menu → **Setup** → **Menu Mode**

To make it easier for new users to learn how to operate the phone, the comprehensive main menu is reduced to the key functions.

Proceed as follows to reduce the menu scope:

Change Press until **Fast** appears.

OK Confirm.

The following functions can now be called up directly (without intermediary steps).

Calls dialled
Calls missed
Voice Message
Divert all Unans
Incoming Msgs
Write New Msge
All Serv. Tones
Volume all Calls
Melody all Calls
Profiles
Menu Mode

Proceed as follows to revert to the complete menu scope:

 Select **Menu Mode**.

Change Press until **Complete** is displayed.

OK Confirm.

Phone

Menu → **Setup** → **Phone**,
then select a function.

Language


You can select the required language for the display texts. If "Automatic" is set, the language used by your service provider is used.

If a language happens to be set that you do not understand, you can reset the phone to the language used by the service provider by making the following entry:

*#0000# 

Keys

Any Key Answer

You can answer incoming calls with any key (except .

Auto Key Lock

This activates automatically when no key has been activated for one minute. This prevents accidental activation of the phone keys, although you can still be reached and can make emergency calls.

This lock can also be activated and deactivated with the keypad.

 **Hold** down.

Key Tone

You can set the type of acoustic key tone:

Key Click, Key Tone, Key silent

Display

Illumination

Display illumination can be activated and deactivated (to prolong standby time).

Big Letters

You can change the size of the letters shown on the display.

Bitmap Style

You can choose from one of three styles for the graphics/animations on the display.

Own Greeting

You can write a greeting that will appear when the phone is activated.



Press to activate and deactivate.



Press to change.



Delete existing greeting and write a new greeting.




Confirm your charge.

Animation

You can deactivate the animation in the display.

Contrast

You can modify the contrast setting for the display.

Press the  key to interrupt the contrast setting operation without saving the new values.

Status

Master Reset

The phone is reset to default values (does not apply to SIM card and network settings, "Reset phone", page 61).

Phone Identity

The phone identity number (IMEI) is displayed. This information is helpful for service purposes.

Fast Search

You can speed up network reconnection if this function is activated. This reduces usage time.

Erase Records

(Phonecode, page 53)

The following lists are deleted (see also page 44):

- Calls missed
- Calls received
- Calls dialled
- Alarms missed

Battery Care

This function can be used to regenerate the NiMH battery when the usage time begins to decrease (elimination of the memory effect).

Connect the phone as for charging (see page 7).

Menu → **Setup** → **Phone** → **Battery Care**.

The battery is now fully discharged and recharged. Depending on the initial status, this can take between 3.5 and 5 hours.

Phone calls cannot be made during this procedure. The clock setting will be retained.

Setup

53

Security

The phone and SIM card are protected from misuse by several security codes.

Your **SIM card** is protected by a **PIN** (Personal Identification Number).

A **PIN2** is required for the additional functions available with a special SIM card.

A code (**PUK**) is also provided for unlocking the SIM card if you have forgotten the PIN.

Your **phone** is protected by the **phone code**, which you can enter yourself when making the first security setting (4-8 digits).


Keep these confidential numbers in a safe place where you can access them again if required!

Menu → **Setup** → **Security**, then select a function:


Babysitter

(Phone code)

Calls are limited to **one** call number which is dialled with the right soft key.

 / **OK** Enter the phone number and name.

or

 / **OK** Select a number from the phonebook.

Ending the Function:

 Hold down (phone code is requested).

Allow only

(PIN 2/phone code)

Dialling options are limited to numbers in the phonebook; new entries cannot be made. If only local codes are entered, the relevant phone numbers can be added to these before dialling.

Depending on whether the phonebook is stored on the SIM card or in the phone, the PIN 2 or the code will be requested before changes can be made.

Allow last 10

(Phone code)

Calls are limited to the call list of the "selected numbers".

The call list can be filled with specific phone numbers for this purpose:

Delete the call list (page 44), then create "new entries" by dialling phone numbers and hanging up before a connection is made:

 or , followed by .

Loan Phone

(Phone code)

You can limit the use of the phone by others.

The following general locks are set with "Loan Phone":

- **Prevent newSIM** active (see page 54).
- Charge detail counter cannot be deleted.
- Charge rate cannot be changed.

Setup

PIN Control


The PIN is normally requested each time the phone is switched on. You can deactivate this control here, but this would risk unauthorised use of the phone by a third party. Some service providers do not permit this function.

Codes


Change PIN


You can change the PIN to any 4-8-digit number (i.e. a number you may find easier to remember).

Menu → **Setup** → **Security Codes** → **Change PIN**

 Enter the current PIN.

Change Press.

 **OK** Enter the new PIN

 **OK** Enter the new PIN again.

Change PIN 2

You can change PIN2 to any 4-8-digit number (only displayed if PIN2 is available).

Proceed as described under **Change PIN**.

Chng Phonecode

You can change the phone code to any 4-8-digit number.

Proceed as described under **Change PIN**.

Prevent newSIM

This prevents your phone from being used with another SIM card.

Network

Menu → **Setup** → **Network**, then select a function:

Line




This function is only displayed if supported by the service provider.

Two independent phone numbers are registered for the phone.

Select line

Select the currently used phone number.

If this is changed frequently, it is more convenient to make the selection using the soft key (see page 17).

 Display the active phone number.

Lock Line


(Phone code, p. 53)

You can restrict usage to one phone number.

Info

Special settings can be made for each phone number (e.g. melody, call diversion, etc.). Switch to the required phone number first.

To switch the lines (in standby mode):

 Press, then:

Line 1 Press.


Setup

55

Configuration

Network Info

The list of currently available GSM networks is shown.

 Marks the service providers not permitted by your SIM card.

Change Network

Network search is restarted. This is useful if you are not in your home network or if you wish to register in another network.

If "automatic network" is activated, the next network is selected in the order of the list of your "preferred service providers".

Otherwise, a different network can be selected manually from the list of available GSM networks.

Auto Network

Activate or deactivate, see also "Select Network" above.

Operator List

A list of all known GSM networks worldwide and their respective codes is displayed.



 Select an entry.

 Press.

A new provider can be added to the list (enter the national code and network code).

 Select <Empty>.


 Press.

  Make an entry.

Preferred Netw

The networks you prefer after your home network are displayed in this list (e.g. if there are several networks that differ in price).

When this function is activated, your home network is displayed first.

 Display list of preferred networks.


• New entry:


 Select <Empty>.


Select an entry from the list of networks.

 Confirm.

• Change/delete old entry:

 Select existing entry.

 Select a different entry from the list of networks.

 Confirm.

or

 Delete the entry.

Barring



Barring restricts the usage of your phone (not supported by all service providers). Security takes the form of a four-digit password supplied by your service provider. You must be registered separately for each barring.

All Calls out

All outgoing calls, except emergency number 112 and 999, are barred.

Out International

Only national calls can be made.

Out Internat. excl. Home

International calls are not permitted. However, you can make calls to your own service provider when abroad.

All Calls in




The phone is barred for all incoming calls.

InWhen Roaming

You receive no calls when outside your home network. This means that no charges are incurred for incoming calls.

Status Check

The following information may be displayed after a status check:

-  Barring set.
-  Barring not set.
-  Status unknown (e.g. new SIM card).

Clear all Barring

All barrings are cleared.

During Calls

Menu → **Setup** → **During Calls**, then select a function:

Call Waiting



If you are registered for this service, you can check whether it is set and activate or deactivate it (see also page 19).

Conceal ID



When you make a call, your phone number appears on the recipient's display (depending on the called party's service provider). To suppress this display on the destination phone, you can activate "Conceal ID" mode for the next call or all subsequent calls. You may need to register separately with your service provider for this function.

Minute Beep

During a call you hear a beep every minute as a reminder of the time elapsed.

Setup

57

FAX/Data Mode



Menu → **Setup** → **FAX/Data Mode**,
then select a function:

You can use the phone and a connected PC to send and receive faxes and data (see also page 59).

Prerequisites:

The use of fax and data services must be enabled.

Depending on the network, there are several types of fax/data reception, so you should check with your service provider.

Self Test

PC connection is checked.

Send Sp/FAX

If this function is activated, the following soft key is available for 2 seconds:

Sp/Fax Press. You can now switch from speech to fax mode during a call in order to send a fax.

Otherwise, the call is treated as a normal call.

Receive Sp/FAX

(**Only** if the phone numbers for speech and fax reception are identical).

Switch to fax mode during a call.

Receive FAX/Data

(**Only** if the phone numbers for speech and fax reception are identical).

When this function is switched on and the connection to the PC is active, **only** fax or data calls can be received. The PC automatically accepts the fax or data call, depending on which communication program is active.

When this function is switched on voice calls can only be accepted if the connection to the PC has previously been interrupted.




Clock

Menu → **Setup** → **Clock**,
then select a function:

Time&Date

The clock must be set correctly during start-up.

Change Press.

 **OK** First the date (day/month/year), then the time (24 hour clock plus seconds).

The clock must be reset if the battery is removed for longer than 30 seconds.

Format Date

Date format setting:
DD.MM.YYYY or **MM/DD/YYYY**

Auto Display


The time display can be switched on or off.

Auto Phone off

The phone switches off at the set time.

Set

Clock Press.

 Enter the time (24-hour clock)

OK Confirm.

Deactivate

manual Press.

OK Confirm.

Car Use

Menu → **Setup** → **Car Use**,
then select a function:

Auto Answer

Calls are answered after the 3rd signal tone if the phone is connected to the "Portable", "Comfort" or "Professional" Car Kit (page 69). Depending on the installation, the ignition may need to be switched on for this.

 Indicator on the display.

Auto Power Off

The phone is powered by the car's power supply and is switched on and off with the ignition. The time between the switching off of the ignition and the deactivation of the phone can be adjusted.

Headset


Menu → **Setup** → **Headset**

Calls can be answered after the 3rd signal tone if the headset is connected.

Info

Headset (page 68)

To change to hand-held mode during a call (phone connected to headset).

 Press to switch on or off.

Car handset (page 69)

Phoning with a car handset.

Fax/Data

59

Technical Information

Fax/Data Prerequisites

Fax and data services must be enabled.

Depending on the network, there are several different types of fax/data reception, so you should check with your service provider.

Your PC must have appropriate software installed for data/fax communication.

Connecting Units

A data cable (see page 68) is used to connect the phone to the PC's serial port.

Setting the PC

Your phone has an integral modem. You will need to install a standard modem in your PC's operating system:

- Standard modem with 19 200 bit/s
- Fax Class 1 modem, max. 9 600 bit/s

Sending Fax or Data

- During a call:

First set the **Send Speech/FAX** function (page 57) and then start your PC's communication program.

- Fax only:

Start your PC communication program. Enter the required destination phone number.

Receive Fax or Data

Before you receive data/faxes, establish the connection between the phone and the PC and start the communication program on your PC.

The phone display will indicate the type of call (fax or data) and you will hear a special signal tone.

Ending Transmission

Transmission is normally ended with the PC software. If necessary:



Press.

Technical Data

Modem Driver

Conforms to V.25 command set.

Data Transmission Speed

Conforms to the ITU-T standard of V.22bis (transfer at 2400, 4800 and 9600 bit/s).




















Telefax

Facsimile operation at 2400, 4800, 7200 and 9600 bit/s. Conforms to Service Class 1.








Display Symbols

The following symbols are displayed during operation:










Display Indicators

	Incoming signal strength.
	Battery being charged.
	Battery indicator.
	All calls diverted.
	Ringer off.
	Short beep only.
	Call Screening. Only "known" calls will ring.
	Alarm set.
	Keypad locked.
	Low-level encryption.
	Indicates UPPER/ lower case.
	Phonebook in SIM card,
	Phonebook in phone,
	Restricted phonebook.
	Service/number barred
	Phone number 1 or 2 active.
	Menu function active.
	Indicates an unknown status of network feature.
<i>DATA</i>	Receive only data.
<i>FAX</i>	Receive only fax.
	Automatic call answering active

Organizer Icons

	Memo.
	Meeting.
	Call.
	Birthday.
	Calculator functions.
	Calculator memory.
	Recurring alarm.

Soft Keys

	Short press clears last character, long press clears entry.
	Message received. Press to read it.
	Voice mail received. Press to hear it.
	Unanswered call. Press to see identity.
	SIM services.
	Switch to handset.
	Save in phonebook.
	Vertical scrolling.
	Horizontal scrolling.

Tips on Use

61

Deactivate Ringer



Hold down in standby mode. All signal tones are activated/deactivated temporarily or reduced to a short tone.



Hold down for incoming calls. The signal tone for the current call is deactivated.

Activate/Deactivate Key Lock



Hold down in standby mode.

Soft key



Press until number is redialled. "OK" is skipped over in this case. Can also be implemented for fast access keys.

International Prefix



Press the key until the "+" sign appears.



Press and select country.

Call Mailbox



This digit key is reserved for the mailbox (see page 41).

Phonebook

International Prefix

An international prefix e.g. +49 for Germany should always be assigned to all numbers. You can then make calls from abroad without difficulty.

Name Search

If there are several entries for one letter, it is sometimes advisable to jump to the next letter and then scroll backwards.

Name Assignment

For example, assigning several numbers to one person:
Carol O (for Office)
Carol H (for Home)

Redialling

Redials the last number dialled.



Press twice.

Reset phone

All phone settings are reset to the default status: enter ***#9999#**

and

SIM card and network settings are unaffected.

Siemens Service

Worldwide support from Siemens partners is just a phone call away. Alternatively, use the Internet

Internet: <http://www.siemens.com/cd.service>

Abu Dhabi ... Siemens Service Centre..	02 71 35 00	Latvia Siemens	8 22 39 15 55
Australia Siemens	18 00 62 24 14	Lebanon F.A. Kettaneh.....	01 44 30 43
Austria Siemens	051 707 5004	Lithuania..... Siemens	7 50 11 14
Bangladesh . Siemens	0 17 52 74 47	Luxembourg. Siemens	43 84 33 99
Belgium Siemens	0 78 15 22 21	Malaysia..... Hello service	0 37 51 49 74
Brunei incomm	0 21 51	Mauritius..... Ireland Blyth.....	2 11 62 13
Bulgaria Omnitel	02 73 94 88	Morocco SETEL S.A	2 35 24 09
China Siemens	0 21 50 31 81 49	Netherlands. Siemens	0 70 3 33 31 00
Croatia Siemens	016 10 53 81	Norway Siemens	22 63 33 14
Czech Rep. ... Siemens	02 33 03 27 27	Oman Siemens Service Centre	79 10 12
Denmark Siemens	35 25 86 00	Pakistan Siemens	02 15 67 35 65
Dubai..... Siemens Service Centre..	04 69 97 20	Philippines ... Siemens	28 14 98 88
Egypt Siemens	23 31 31 29	Poland Siemens	08 00 22 09 90
Germany Siemens	0 18 05 33 32 26	Portugal Siemens	0 14 17 83 93
Finland..... Siemens	09 22 94 37 00	Russia Siemens	8 09 57 37 18 01
France Siemens	01 56 38 42 00	Saudi Arabia Arabia Electric	0 26 65 50 58
Great Britain Siemens	09 90 33 44 11	Singapore ... Siemens	8 45 48 18
Greece..... Siemens	0 16 86 43 89	Slovak Rep... Siemens	07 59 68 22 66
Hong Kong ... Siemens	22 58 36 36	Slovenia Siemens	06 11 74 63 36
Hungary Siemens	06 14 71 24 44	Spain Siemens	9 02 11 50 61
India Siemens	1 16 92 39 88	South Africa Siemens	08 00 11 40 50
	1 16 92 55 89 (ISDN)	Sweden Siemens	0 87 50 99 11
Indonesia Dian Graha Elektr.....	02 14 61 50 81	Switzerland . Siemens	0 12 12 00 90
Iceland Smith & Norland	5 11 30 00	Taiwan Siemens	02 25 18 65 04
Ireland..... Siemens	18 50 77 72 77	Thailand Siemens	26 79 17 77
Italy Siemens	02 69 89 36 91	Turkey SIMKO	021 22 52 88 35
Jordan F.A. Kettaneh	0 79 55 96 63	Vietnam Opticom	0 90 45 67 89
Kuwait..... NGEECO	4 81 87 49		

Troubleshooting

63

If you encounter problems using your phone, please try to find a solution using the "Troubleshooting" table below. If the problem persists, contact your service provider or Siemens Service (see page 62).

Problem	Possible Causes	Possible Corrective Measures
Unable to switch phone on	On/Off key not pressed long enough	ⓘ Press on/off key for at least 2 seconds
	Empty battery.	Charge battery. Check charging indicator in display.
	Battery contacts dirty.	Clean contacts.
	Battery totally discharged.	Charge battery for half an hour, detach the charging cable briefly, then charge as normal.
Standby time insufficient	Frequent use of organizer/games.	Restrict use if necessary.
	Memory effect	Carry out battery care function (see page 52).
	Economy power mode not activated.	Activate economy power mode (see page 52).
	Display illumination active.	Switch off display illumination (see page 52).
Charging error (no charging display)	Key pressed unintentionally (illumination!).	Activate key lock.
	Battery totally discharged.	Charge battery for half an hour, detach the charging cable briefly, then charge as normal.
	Temperature exceeds -0 °C to +45 °C range.	Make sure the ambient temperature is right, allow time, then charge again.
	Contact problem.	Check mains socket and connection to phone. Check battery contacts and clean if necessary, then insert the battery again.
	No mains power	Connect to a different mains socket or check the mains supply.
	Charger defective	Replace charger.
	Wrong charger	Only use original Siemens accessories.
	Battery defective.	Replace battery.
SIM error	SIM card not correctly inserted.	Make sure that the SIM card is inserted correctly. The card carrier must engage (see page 6).
	SIM card contacts dirty.	Clean the SIM card with a dry cloth.
	SIM card has wrong volt rate.	Only use 3 volt SIM cards.
	SIM card damaged.	Make a visual check. Return SIM card to service provider.

Troubleshooting

Problem	Possible Causes	Possible Corrective Measures
No connection to network	Signal weak.	Move higher, to a window or open space.
	Outside GSM coverage.	Check service providers coverage map.
	SIM not valid	Contact service provider for replacement SIM.
	New network not authorised	Try reselecting manually or try a different network (see page 55).
	Barring set. Network overloaded	Check barring (see page 56). Try again later.
Phone loses network	Signal too weak.	Reconnection or connection to another service provider is automatic (see page 54). Switching off and on may accelerate this.
Calls not possible	Dialling error.	New network not approved (see page 55).
	2nd line set.	Set different call line (see page 54).
	New SIM fitted.	Check for new restrictions.
	Charge limit reached.	Call your service provider or use PIN2 to reset (see page 48).
Certain calls not possible	Call restrictions set.	Restrictions may be set by your service provider. Check restrictions (see page 54).
	Phone number has more than 20 digits	Check phone number.
Cannot save in phonebook	Call restriction set.	Check restrictions (see page 53).
	Phonebook is full.	Delete some phonebook entries (see page 15).
Cannot change phonebook	SIM restriction set	Call service provider.
Cannot find phonebook	SIM has been changed	Refit original SIM.

Troubleshooting

65

Problem	Possible Causes	Possible Corrective Measures
Voice Mail not working	Divert not set.	Set divert (see page 49).
"✉" flashing	Message store full.	Delete messages to make room (see page 33).
Cannot send a message	Service providers do not support this service.	Check with service provider.
	Service centre phone number incorrect or not set.	Set service centre (see page 39).
	SIM card contract does not support this service.	Contact service provider.
	Service provider overloaded	Try again.
	Destination does not have a compatible phone.	Check.
Cannot set a function	Not supported by service provider or registration required.	Contact service provider.
Charge counter not working	Charge unit pulse not transferred.	Contact service provider.
PIN error	3 incorrect entries.	Enter the MASTER PIN (PUK) provided with the SIM as instructed. If you have lost the MASTER PIN or PIN, contact the service provider.
Phone CODE error	3 incorrect entries.	Contact Siemens Service (see page 62).
Service provider CODE error	No authorisation for this service.	Contact service provider.
Too few/too many menu entries	Functions may have been added or removed by the service provider using the SIM card	Check with the service provider.
Fax function unavailable	Incorrect settings in PC.	Check settings (see page 57).
	No authorisation for this service.	Contact service provider.
Accidents		
Severe shock	Remove and refit the battery and SIM. Do not dismantle.	
Immersion in water	Dry immediately with cloth; do not heat. Dry connector contacts thoroughly. Remove and dry the battery and SIM. Stand unit upright in an air current. Do not dismantle.	

Specifications

Licensing

Your phone is authorised for use on GSM networks with its IMEI number and complies with the following EU directives:

- 89/336/EEC "Electromagnetic Compatibility"
- 98/13/EC, CTR 19 and CTR 20 "Telecommunication Terminal Directive"
- 98/13/EC, CTR 31 and CTR 32 "Telecommunication Terminal Directive"
- 73/23/EEC "Low Voltage Directive" as amended by 93/68/EEC



Technical Specifications

- GSM Class 4 (2 watts)
Frequency range
880 - 960 MHz
 - GSM Class 1 (1 watt)
Frequency range
1710-1880 MHz
- Weight : 110 g
Size : 118 x 46 x 21 mm
(88 cm³)
- Operating voltage: 3.6 V
Power consumption:
max. 400 mA
- Operating temperature:
0°C to 45°C

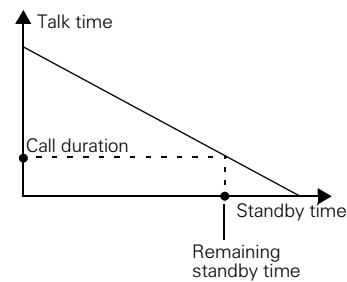
Usage times

A fully charged battery can provide the following usage times:

Standby time: 50 - 180 hours

Talk time: 90 - 300 minutes

The specified times are based on the assumption that the device is only in either standby mode or talk mode. The standby time is affected even by short calls, for example, as shown in the following diagram:



The times specified above are average times. They may vary depending on a range of factors.

Standby time, for example, is reduced by the following:

- activated info services
- navigating through the menu
- activated fast network searches
- device relocation

The talk time depends, among other things, on the distance to the nearest base station.

Care / Security

67

Care of your SIM Card

- The SIM card should be treated with the same care as a cheque guarantee card. Do not bend or scratch it or expose it to static electricity.
- Clean the card with a damp cloth or anti-static wipe without chemical cleaning agents.
- Protect the phone from shocks and moisture. Never leave your phone in direct sunlight (max. 55°C)
- If possible, only charge fully discharged NiMH batteries (check battery charging icon).
- If you experience a reduction in standby time, carry out the battery care function to regenerate the battery (see page 52).
- Remove the battery if you are not going to use the phone for extended periods of time

Phone ID

You are advised to write down the following details (to help recovery of your phone or SIM card in the event of loss):

No. of SIM card (on the card):

.....
15-digit phone serial number
(under the battery):

.....
Service provider's customer service number:

Loss

If your phone and/or SIM card are lost or stolen, call your service provider immediately to prevent misuse.

Accessories

Spare Battery

L36880-N4001-A100 (NiMH, 500 mAh)
L36880-N4001-A101 (Li-Ion, 600 mAh)

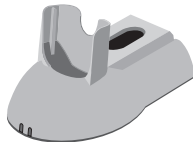
Travel Charger

L36880-N4001-A103 (EU)
L36880-N4001-A104 (UK)

Similar to standard charger but automatically enables worldwide voltage range 100 - 240 V.

Desktop charger

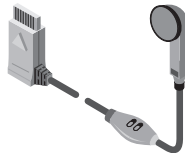
L36880-N4001-A102



This convenient stand enables the battery in the phone and a spare battery to be charged at the same time. Can be used together with the original charger or the travel charger.

Headset (PTT)

L36880-N4001-A123



Offers freedom of movement when on the move or in your car, includes PTT (Push To Talk) key for convenient operation.

Belt Clip

L36880-N4001-A113



The phone can be fastened securely and simply to your belt.

Case

L36880-N4001-A119

This attractive case protects against dirt and environmental surroundings. Keys are accessible at all times.

SoftDataLink 3.0

L36880-N4001-A122



This software includes the following functions for Windows® 95/98/NT/CE, and Palm III™/V™:

- Sending, receiving and writing messages (SMS)
- Convenient phonebook and Organizer administration
- Composing ring tones

Data Cable

L36880-N3101-A102



Same function as IrDA, can be used for connecting the phone to the RS-232 port of a PC if there is no infrared port.

Car Accessories

69



Ensure that vehicle functions (e.g. airbag) are not obstructed when installing car accessories.

Cradle

L36880-N4001-A109

For connecting the Car Charger, Portable Car Kit and Headset.

Antenna Cradle

L36880-N4001-A110

The cradle with connector for an external antenna eliminates radiation and interference risks and offers improved reception. For connecting the Car Charger, Car Headset and Car Kit Portable.

Car Charger Cable

L36880-N4001-A108

This fits standard cigarette lighter sockets (12/24 Volt). It can be used together with the Antenna Cradle.

Car Kit Portable

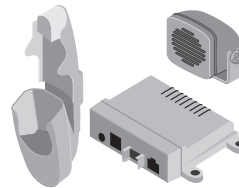
L36880-N3015-A117



Hands-free kit with integral loudspeaker and microphone and auto talk feature. It simply plugs into the standard cigarette lighter socket, enabling easy movement between vehicles. It can be used together with the Antenna Cradle.

Car Kit Comfort

L36880-N4001-A111



This ensures safe and relaxed communication with high speech quality (full duplex and digital technology) whilst driving.

Car Kit

Professional Voice

L36880-N4001-A125 (German)

L36880-N4001-A124 (English)



Voice Control

State-of-the-art voice recognition system for safe and convenient calling. Contains everything needed for installation in a car.

Data Cable Professional

L36880-N3101-A112

For connecting Car Kit Professional Voice to the serial data cable for data applications.

Car Handset

L36880-N3015-A123

The handset enables optimum confidentiality when connected to Car Kit Comfort or Car Kit Professional Voice.

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