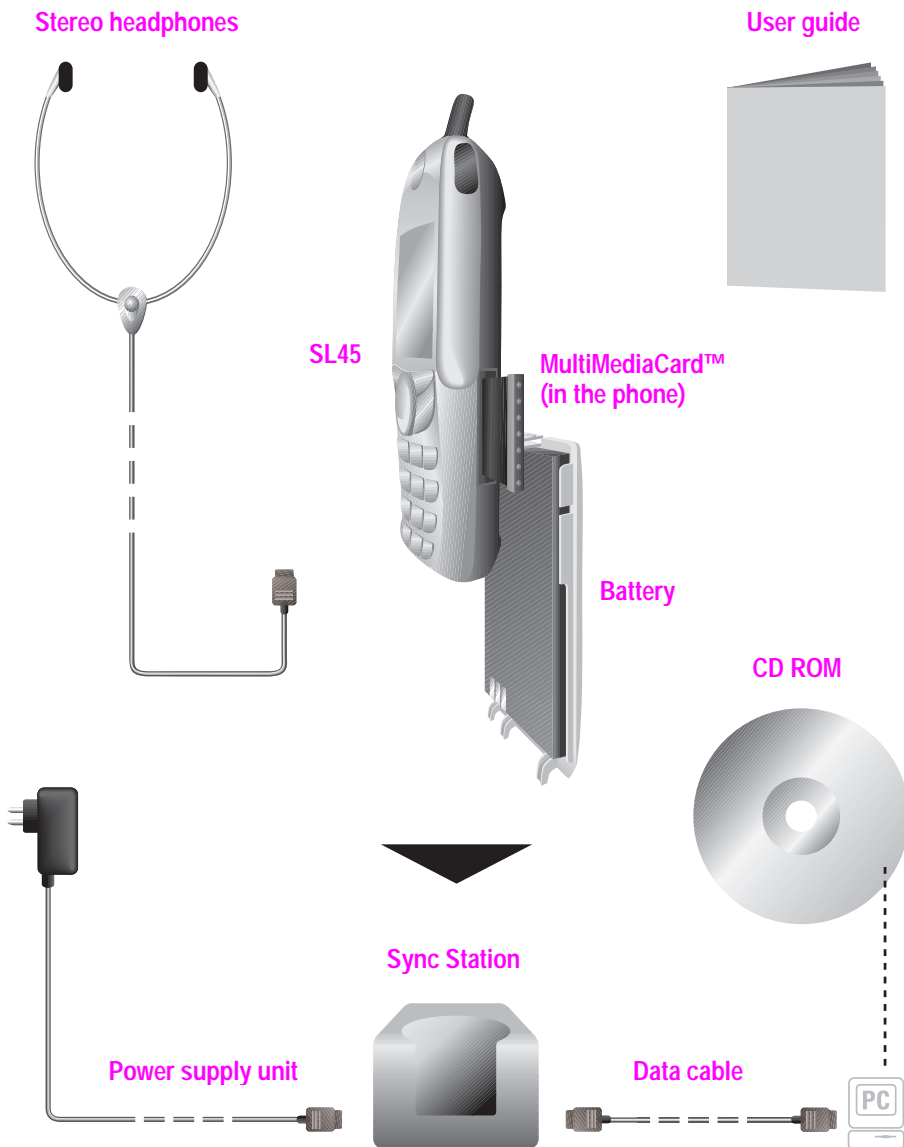


## Your SL45 package



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at the end of this User Guide

## Safety precautions

3

All radio transmitters are subject to restrictions such as:



Switch off in hospitals; medical electronics e.g. pacemakers or hearing aids can be affected.



While driving:  
Do not hold the phone in your hand. Only use one earpiece of the stereo headphones ("Car Accessories", page 79).



Mobile phones must be switched off at all times in an aircraft.  
Prevent accidental activation.



Switch off near petrol stations, fuel depots, chemical plants or blasting operations.



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



Do not examine the active infrared interface [Class 1LED product (classified according to IEC 60825-1)] using optic magnification devices.



The ring tone is reproduced through the earpiece. First accept the call, then hold the phone to the ear.



MultiMediaCard™ and SIM card may be removed, small parts could be swallowed by children.

Please note:



Neither the phone nor the battery may be opened under any circumstances.



We recommend you use only Original Siemens batteries and charging devices. Otherwise considerable health risks and damage to the product cannot be excluded.

Battery and battery cover must not be separated from each other.



Dispose of used batteries according to the legal regulations.



We recommend you use only Original Siemens accessories to avoid possible damage.

Improper use invalidates the warranty!

## 4

# Overview of keys/display

## Side keys

### At the top:

Activate dictaphone.

**Centre** (context-sensitive)

: Start voice dialling.

: Set volume/  
scroll up and down in  
menus and messages.

: Start profiles.

### At the bottom:

Activate MP3 player.

## Ringer

To switch on and off:



Hold **down**.

## Infra-red interface

(IrDA, e.g. for PC/  
PDA communication)

## Display indicators

Reception strength/  
battery level  
(see also p. 72).

## Key lock

To switch on and off:



Hold **down**.



Confirm  
(only when  
switching  
off).

## Soft keys

The current functions  
are displayed as icons  
or text above the keys.  
The soft keys display  
the "quick selection"  
and menu access in  
standby mode or offer  
access to a special ser-  
vice such as the  
SIM service.



## Control key

### In standby mode



Voice dialling active  
Open address book.  
Open menu.

### In lists and menus:



Scroll up and down.  
Select function.  
Menu level back.

### SMS and Calendar:



Move cursor.  
Scroll up and down.

## Call key

Select displayed phone number  
or name, accept calls.

Display last calls in standby mo-  
de.



## On/Off/End key

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

**Hold down:** Switch phone on/off  
or return to standby mode.

# General instructions






5

## The User Guide

The short guide will suffice for experienced users and those in a hurry.

We recommend you read this User Guide carefully, so that you can use all functions of the phone fully.





The following symbols are used:

	Enter numbers or letters.
	On/Off/End key.
	Call key.
	Press control key on the side indicated.
<b>Menu</b>	Displays a soft key function.
	Function depends on the Service Provider; special registration may be necessary.

Steps for menu access (e. g.):

**Menu** → **Audio** → **Volume**

The procedure above corresponds to:

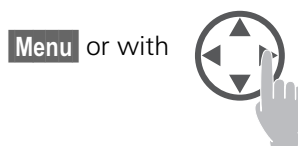
<b>Menu</b>	Press soft key.
	Scroll to <b>Audio</b> .
	Select <b>Audio</b> .
	Scroll to <b>Volume</b> .
	Select <b>Volume</b> .

## Menu Control





The menus provide access to functions, network services and individual settings.

### Main menu

You always reach it from the standby mode when you press the right soft key:



### Menu control

-  Use the control key to scroll in the menus.
-  Select a submenu or a function.
-  Go back one menu level (or press  briefly).

### Option menu

In other situations (e.g. when address book is open), a corresponding option menu appears:

**Options** Press.

## General instructions

### Helpsystem

In every menu, you find the help line at the top with which you have access to the help system by subject. Calling up the help for the first time after switching on can take a few seconds.

### Navigation



Leave the help. You return to the point at which you called up the help.



Leads to the index of the help system.

## SIM card

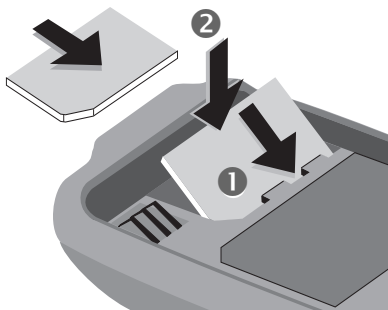
7

### Insert SIM card

The Service Provider supplies you with a SIM card on which all the important data for your line are stored.

If the SIM card has been delivered in credit card size, snap the smaller segment out and remove any rough edges.

- Insert SIM card under the retaining ribs **1**. Observe correct position of the angled corner, gold contacts pointing downward.

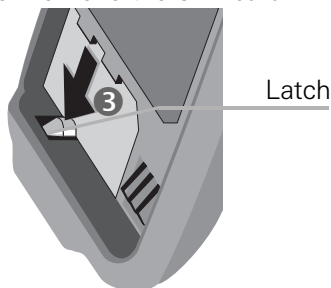


- Press SIM card downward **2** until the latch engages.
- Then insert (see p. 8) the battery (see p. 8).

Only 3 Volt SIM cards are supported. Older SIM cards (5 Volt technology) cannot be used. Please contact your Service Provider.

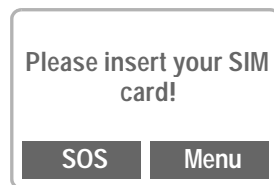
### Remove SIM card

- Switch off phone.
- Unlock and remove battery.
- Press latch inward **3** until the SIM card jumps out a short way.
- Then remove the SIM card.



### Functions without SIM card

If the phone is switched on without SIM card, the following display appears:



**Menu** Press soft key.

All functions that can be used without SIM card are shown. You will find a description of the functions in this User Guide.

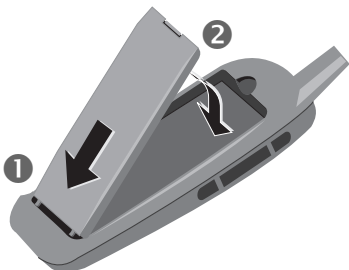
**SOS** "Emergency number (SOS)", p. 11.



# Battery

## Insert battery

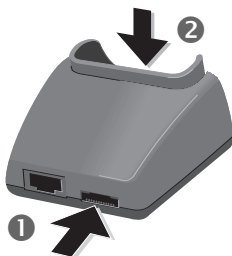
- Insert battery at the bottom of the phone ① and press inward until it clicks into place ②.



- Switch off the phone before you remove it!
- Unlock battery ②, then remove ①.

## Charge battery

- The battery is not fully charged when delivered, so:



- Interconnect the socket and the Sync Station ① with the plug-in power supply.
- Insert the phone into the Sync Station ② and press downward until it engages. The contact message is displayed (alternatively: plug in power supply directly to the phone).



The voltage indicated on the Sync Station must not be exceeded.

### Charging

The charger heats up when used for long periods. This is normal and not dangerous.



When charging is in progress.



End of charging

An empty battery is fully charged after about 2 hours. Charging is only possible in an ambient temperature of 5°C to 40°C (the charge icon flashes as a warning when the temperature is 5°C above/below).

### Usage time

A fully charged battery provides 60 to 170 hours of standby time or 1 to 4 hours of talk time. The standby times/talk times are average values and depend on the operating conditions (see table below).

Display of charge level:

Fully Empty charged

A beep sounds when the battery is nearly empty.

Operation carried out	Time (min)	Decrease of standby time
Calling	1	30 - 60 min.
Playing music	30	30 h.
Display backlight*	½	30 min.
Network search	1	5 - 10 min.
CB service	1	30 min.
*Key input, games, organizer etc.		

## MultiMediaCard™

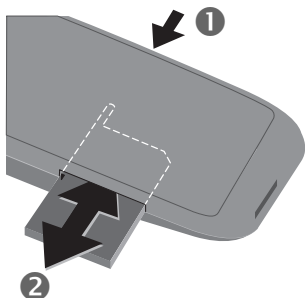
9

With the MultiMediaCard™, your phone acquires a very large memory. It enables you to store numerous addresses, MP3 music files or voice memos. You may also use the MultiMediaCard™ like a floppy-disk to save any other desired files.

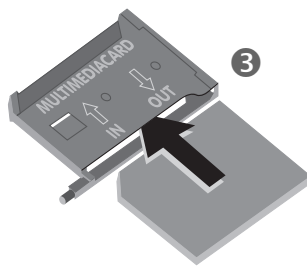
### Change the MultiMedia-Card™

Please treat the MultiMediaCard™ carefully. Do not bend it or expose it to static electricity.

- When you buy your SL45, the MultiMediaCard™ is already in the phone.
- Push open the small button opposite ❶ (using a pen, etc). Remove the MultiMediaCard™ carrier from the phone ❷.



- Insert the MultiMediaCard™ into the carrier ❸.



Slide the carrier with the MultiMediaCard™ into the phone again ❷.

### File management

The Card-Explorer is available in the phone for organising your files (see p. 67). In combination with a PC, you can also use the Data Exchange Software (see p. 70).

Note that the entries on the MultiMediaCard™ are not automatically linked with the entries on the SIM card. For example, entries that you make in the address book are only stored on the MultiMediaCard™.

#### New MultiMediaCard™

1. Save the data of the old MultiMediaCard™ on a PC.
2. Format the new MultiMediaCard™ with the aid of the Data Exchange Software.
3. Transfer the data from the PC on to the new MultiMediaCard™.

## Switch on, off / PIN entry

### Switch on



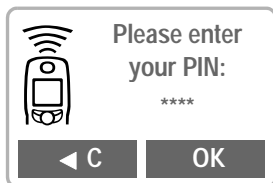
Hold **down** On/Off/End key to switch on or off.

When you switch the phone on for the first time the language of your Service Provider is loaded (see also p. 57). This takes a few seconds.

### Enter PIN

The SIM card can be protected with a 4-8 digit PIN code.

- Enter your PIN code using the digit keys (shown as a series of asterisks, if you make an error press **Clear**).
- Confirm input.  
Press the soft key **OK**.



The logon to the network will take a few seconds.

When the name of the Service Provider appears in the display, the phone is **in standby mode** and **ready for use**.

#### SIM Card

Whenever you change a SIM Card you are prompted to copy the names and phone numbers stored there to the MultiMediaCard™ after you have switched on the phone. Follow the instructions on the display.

If you want to copy the data of the SIM Card to the MultiMediaCard™ later on, you can use the functions on the SIM Card menu (see p. 21).

#### Problems with the SIM Card

If "Please insert your SIM card!" is displayed, check for faults, see p. 74.

#### Wrong PIN?

If the PIN is entered incorrectly three times, the SIM Card is blocked, see p. 74.

Activate/Deactivate PIN Control, Change PIN No., see p. 61.

## Switch on, off / PIN entry

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### Emergency number (SOS)

By pressing the soft key **SOS** you can make an emergency call without SIM card or PIN input via any network. This must only be used in case of emergency!

### Network connection



Strength of the incoming signal.



A weak signal reduces the call quality and may lead to a break off of the connection. In this case, change your location.

Do not interfere with the antenna at the top of the phone unnecessarily during operation, otherwise the quality of the connection may be impaired.

If you are outside your "home network", your phone automatically selects another GSM network (see also p. 61).

### SIM services



This symbol is displayed if your SIM card supports special applications provided by your Service Provider.

## Making a phone call

### Dialling with digit keys

The phone must be switched on (standby mode).



Enter the number

- if necessary with international dialling code

- national only for calls to the national fixed network.

**Clear** A short press clears the last digit, a long press the entire number.



Store phone number in the address book, see p. 18.



Press the Call key. The phone number displayed is dialled.

### End call



Press the End key. The call is ended.

Press this key even if the person on the other end of the line has hung up first.

#### International dialling code

You can access international dialling codes stored in your phone:



Press the key until a "+" symbol appears. The two leading digits will be 00.



Press.

Select the required country from the list. The international dialling code is displayed.

Now add the national number (in many countries without the first digit if it is a zero and press the Call key.

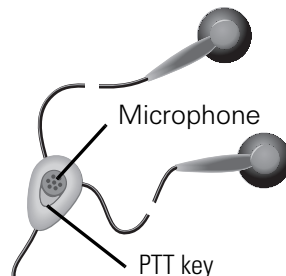
#### Stereo headphones:

Plug in the stereo headphones at the bottom of the phone. With the PTT key you can use the functions "answer call, end call" and in standby mode you can use voice dialling (see p. 24).

If there is a call, the music is automatically interrupted. Press the PTT key on the headset cable to accept the call (see p. 26).

#### Warning:

Both earpieces must never be used when driving or operating machinery.



# Making a phone call

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## When number is busy

If the number called is busy or it cannot be reached because of network problems, the following options are available:

### Auto redial previous numbers

**AutoDial** Press. The number is automatically dialed for up to 15 minutes at increasing intervals. During this period, no other phone number can be dialed.

To end:

Press **Off** or end key .

Any other call ends the function.

### Reminder

**Prompt** Press. A beep reminds you to redial the displayed phone number after 15 minutes.

## Redial previous numbers

To redial the phone number **last** called:



Press the Call key **twice**.

To redial other numbers that were dialed previously:



Press the Call key once.



Pick out the required phone number from the list of last calls, then press...



... to dial.

#### Options

see p. 49.



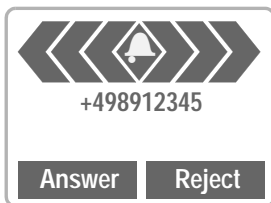
Store phone number in the address book, see p. 18.

Calling other stored phone numbers, see p. 49.

## Making a phone call

### Accept call

The phone must be switched on to receive calls (in standby mode).



Accept a call with:



or **Answer**

### End call



Press.

### Reject call



or **Reject**

The caller hears the busy signal.

#### **Divert**

Diverts e.g. to the mailbox, when this diversion has been set, see p. 55.

#### Accepting with stereo headphones

If a call comes in, the music is automatically interrupted. Press the PTT key to accept the call or to end the call (see p. 26).

Warning:

Both earpieces must never be used when driving or operating machinery.

#### Accepting with Answering notice

Prerequisite: You have recorded an Answering notice and it is active.

When a call comes in, press the dictation key **briefly**. The call is accepted and an Answering notice is played without your having to speak (see also p. 30).

You can return calls received or missed, see p. 49.

You can answer incoming calls using any key, setup see p. 57.

An incoming call will interrupt any other use of the phone.

Data calls, fax calls, see p. 68.

Functions during the call, see p. 15.

Deactivating the ringer for the current call:



Hold down.

The call is shown on the display. The caller hears the dialling tone.

# Making a phone call

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## During a call

### Call waiting



You may need to register for this service with your Service Provider and set your phone accordingly (see p. 64).

During a call you can be advised that there is another call waiting. You will hear a special tone during the call. Now, you have the following options:

### Swap

**Swap**

Accept the waiting call and place the current call on hold.

To swap between the two calls, press **Swap** each time.

### Reject

**Reject**

Reject waiting call. The caller hears the busy tone.

or

**Divert**

If this is set, the caller is diverted e. g. to the mailbox (see p. 55).

### End current call

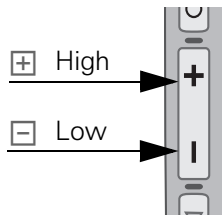


End the current call.

**Answer**

Accept the new call.

## Set volume



You can adjust the handset volume with the keys on the phone.

If a car kit is used, its volume setting does not affect the usual setting on the phone.

## Dictaphone

You can play back a recording (the person on the other end of the line also hears it) or record the call, see p. 28.

## Phone number memo

You can key in a number during a call. The person on the other end of the line can hear the number entered. It can be stored or contacted after the current call has ended.

Follow the instructions on the display.



## 16

# Making a phone call

## Swap/Conference

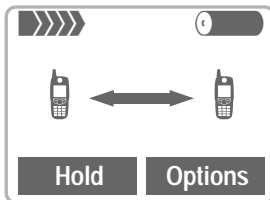


Some functions may not be supported by your Service Provider.

You can call another number during a call.

You can swap back and forth between both calls or link all callers together in a conference.

During a call, inform your partner about your intention:



### Hold

Put the current call on hold.

Now you can dial a new number. When the connection is established, you have the following options:

## Swap

### Swap

Swap back and forth between both calls.

When the current call is ended, the following query is displayed: "Return to call on hold?"

### Yes

Return to the held call.

### No

The held call is ended.

## Conference

### Options

Open call menu and select **Conference**.

A held call is added (conference call with up to five subscribers maximum).

To end:



All calls are ended simultaneously when the End key is pressed.

## Call transfer

### Options

Open call menu and select **Call transfer**.

The original call is joined to the second one. For you, both calls are now ended. Not supported yet by all Service Providers.

# Making a phone call

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## Call menu **Options**

**Microphone off** Switch the microphone on or off. If switched off, the person on the other end of the line can hear nothing.

Alternatively:



Hold **down**.

**Conference** (see p. 16)

**Time/Charge** While the connection continues, the call duration and (if set, see p. 54) the call time/cost are displayed.

**Call transfer** (see p. 16)

**Main menu** Direct access to the main menu.

**Call status** List all held and active calls (e.g. participants of a conference).

**Send DTMF tones** Transmit the control codes created using the keys or address book.

## Send DTMF tones

Digit entries during a call are directly transmitted as DTMF signals.

# Addressbook

## Menu → Organiser → Addressbook

You can store names, addresses and phone numbers in the address book. The address book is only available if a MultiMediaCard™ is inserted. Without a MultiMediaCard™ you can only access the SIM card (with restricted functionality) (p. 21).

## New entry



Open address book (in standby mode).



Scroll upward and select...

New entry ....

The entry card for an address is displayed.

Enter **at least** the first or last name and a phone number.



Make your entries field by field:

- Last name:
- First name:
- Company:
- Email:
- Phone:
- Tel.office:
- Tel.mobile:
- Fax:
- Street:
- Zip code:
- City:
- Country:
- URL: (Internet address)
- VIP (see below)

**Save**

Press.

## VIP

You should only assign important entries to the VIP group.

You may display the VIP entries at the top of the address book (see p. 20).

You can set your phone so that the ringer sounds only for calls from numbers in the VIP group (see p. 52).

A call from a VIP entry can be announced by a special melody (see p. 53).



Copy data from a different address book entry.

# Addressbook

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## Phone number

Always enter a phone number (fixed network) with prefix, if necessary with international dialling code.

## Text entry

Press digit key repeatedly until the required character is displayed. The relevant characters are shown in the display. The cursor advances after a short delay.

**2 ABC**

Press once for A , twice for B , etc. The first letter in each name is automatically written in UPPERCASE.

**Ä,ä / 1-9**

Umlauts and numbers are displayed after the relevant letter.

**Clear**

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



Move the cursor.



Switch between uppercase, lowercase and digit entry.

**0 +**

Write: + 0 - . , :

**1**

Create a blank.

## Special characters

&, @, ... Special characters, see p. 41.

## Read entry

You can access all entries via the address list.



Open address book (in standby mode).



Select required entry.

**View**

Press to display the entry.

**Addressbook**

---

Last name:  
 Einstein  
 First name:  
 Alfred

Edit

## Right soft key

When you jump from line to line while you are reading, the right soft key changes depending on data type:

Phone, fax number: **VoiceDial**  
 ("Voicedialling", page 24)

URL: **Link**

Activate the relevant application with the soft key.

# Addressbook

## Search entry

You can quickly search through large address books. When the address book is open, simply write the first letter of the name required.

The first entry that begins with this letter is displayed. Continue by the second letter etc until the name required is displayed.

A magnifying glass icon appears in the upper right-hand corner of the display with the search letters.

## Call entry



Open address book  
(in standby mode).



Select required entry.



Press.

If multiple phone numbers are stored in the entry...



**View** ...open the entry.



Then select the required number.



Press.

## Addressbook Menu **Options**

When the address book is open, the following functions are available depending on the current situation:

<b>Options</b>	Open menu.
<b>(View)</b>	Only when search function is active.
<b>New entry</b>	See "New entry", p. 18.
<b>Edit</b>	Display the entry for changes.
<b>Delete</b>	Delete the entry from the address book.
<b>Delete all</b>	Delete all entries after confirmation.
<b>Copy to SIM</b>	Copy Name and the first phone number to the SIM card.
<b>A-Z sorting</b>	Show the address book as an alphabetic list or with the entries of the <b>VIP group</b> at the top (see p. 18).
<b>SIM Location</b>	Access the restricted functions of the SIM card (p. 21).
<b>Send via ...</b>	IrDA: Transmit in vCard format to a suitable device (see "IrDA", p. 64). SMS: Transmit as SMS message.
<b>Capacity</b>	Displays the capacity used and available.

# Addressbook

21

## SIM Location

**Menu** → **Organiser** →  
**Addressbook** →  
**Options** →  
**SIM Location**

The list with the current entries is displayed. The relevant storage locations are displayed by icons.

The entries are managed separately from the address book. But you can shift data between the SIM card and the address book.

### SIM Location Menu **Options**



Select entry.

#### **Options**

Open menu.

#### **New entry**

Enter first and/or last name and phone number.

#### **View**

Display the entry selected.

#### **Edit**

Display phone number and name for alteration.

#### **Delete**

Clear the entry selected

#### **Delete all**

Delete all entries after confirmation.

#### **Copy**

Copy the selected entry to the address book.

#### **Copy all**

Copy all SIM card entries to the address book.

#### **Move**

See below.

**Voicemailing** Copy the number to the voice dialling list (see p. 24) .

**Capacity** Display the capacity used and available.

## Move (storage location)

An entry may be moved depending on the current storage location to other storage locations:

### SIM

Address entries on the SIM card only take the form of name, first name and phone number.

### Mobile (phone memory)

Address entries only take the form of name, first name and phone number.

If the SIM card is full, further entries are automatically kept in the memory.

### Protected SIM

With a special SIM card, dialling may be limited to phone numbers that are "permanently" set on this SIM card. For editing, a PIN2 is needed (see p. 61).

# Addressbook

## Store control code

You can store phone numbers and control codes (digits) in the address book as a standard address book entry (e.g. for the remote control of an answering machine).



Dial number.



Hold down until “+” appears on the display (pause for connection setup).



Enter control code (digits).



If necessary enter other pauses of three seconds each for safe processing at the destination.



Press and enter a name.

**Options** Press and **Save**.

You can also store the control code (digits) like a phone number and send it during a call (see page 15).

## Special numbers

**Menu** → **Organiser** → **Special numbers** →

### Own

You can enter up to 5 “own” numbers (e.g. fax).

Only part of the address book menu is available for your own numbers.

## Protected

Note that the use of your address book can be restricted (usual for some business applications), e. g. incomplete phone numbers may be indicated by “?”. These can be extended before dialling.

## Services/Info

The phone numbers that you are offered by your Service Provider are stored here. They allow you to contact local or nationwide information services or use the services of the Service Provider.

### Extending numbers

Using an external PC program, e.g. Microsoft® Outlook®, parts of a number can be replaced by “?” and then transferred to the address book (e.g. for company numbers and PABX). To call:



Open address book and select (partial) number.



Press.



Replace “?” with digits.



Dial number.

### Synchronising with Outlook®

You can synchronise your address book with your Outlook® database using the software Siemens QuickSync (see p. 71).

# Businesscard

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You may create your own business card and transmit it as a message via SMS or you may transmit it to another GSM phone (with IrDA capability) or a suitable PC/printer using infra-red technology.

## Create new

**Menu** → **Organiser** → **Businesscard**

If no business card is created yet, you are asked for input:



Go from field to field and make your entries:

- Last name:
- First name:
- Company:
- Email:
- Phone:
- Tel.office:
- Tel.mobile:
- Fax:
- Street:
- Zip code:
- City:
- Country:
- URL: (Internet address)

**Save**

Press.

The content of the business card corresponds to international standards (vCard).

When you are sending a business card, please note that only up to 160 characters can be transmitted.

## Businesscard Menu Options

**Options**

Open menu.

**Send via ...**

IrDA: Transmit the entry in vCard format to a suitable device ("IrDA", page 64).

SMS: Transmit as SMS message.

**Print via ...**

Transmit to a suitable printer, see "IrDA", p. 64.



## Voice Control

Up to 20 numbers/functions can be selected or started simply by saying a name. The voice dialling entries are linked to the phone and may not be exported.

### Voicedialling (for phone numbers)

**Menu** → **Organiser** →  
**Voice Control** →  
**Voicedialling**

#### New entry

A list with entries is displayed. In the list select ...

New entry ..., then



enter name/phone number or use **Insert** to retrieve from the address book.

**OK** Confirm.

A short signal sounds. Now say the name corresponding to the number and **repeat** it when prompted. A beep confirms the recording and all entries are displayed.

### Voice command (for functions)

**Menu** → **Organiser** →  
**Voice Control** →  
**Voice command**

#### New entry

A list with the commands is displayed.



Select command.

**OK**

Confirm, then proceed as with "Voicedialling".

### Apply

Activate Voice Control in standby mode:



Control key **or**



side key **or**

PTT key on the stereo headphones.

Now say the name or the function. The number is dialled or the function is carried out.

### Voice Control **Options**

All entries are displayed:



Select entry.

**Options** Open menu.

**New entry** See on the left.

**Delete** Delete the entry selected.

**Delete all** Delete all entries after confirmation.

**Edit** Change name and phone number (Voicedialling only). If necessary renew the recording.

**New sample** Change the (voice) recording of an entry.

# MP3 Player

Your phone is equipped with an MP3 player. You can immediately listen to the music supplied with the phone (on the MultiMediaCard™). You can import other music files using the Data Exchange Software (see p. 70).

## Play

Plug in the stereo headphones at the bottom of the phone.

**Menu** → Surf/Fun → MP3 Player



Choose a melody.

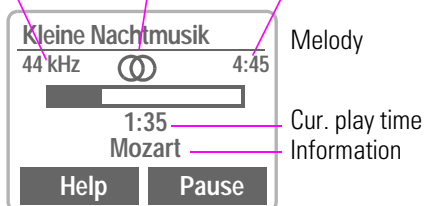


Press.

## Track information

The following information is displayed while the melody is being played:

Sample Rate Stereo/Mono Total time



(Sample Rate: 44kHz = almost CD quality, maximum for playback)

## Control

Music is controlled with the control key and/or with the side keys.

### With the control key:



Jump forward or back one track when playing the playlist.



Pressed **briefly on the right:** Play/pause.



Pressed **briefly on the left:** Stop (stop melody).



**Hold down:** Fast forward, reverse.

### With the side keys:

(when MP3 player without function)

**Loud**

**Quiet**

**Activate MP3 Player**

(Pause / Play)



### With the soft keys:

**Pause / Play**

Right key  
(also PTT key)

**Help**

Left key

# MP3 Player



## Create playlists

To play several melodies with one selection you can put them in a playlist (folder).

From the standby mode:

**Menu** → **Surf/Fun** → **MP3 Player**

The MP3 player list is displayed.

### Options

Open menu (see MP3 player menu on the next page).

### Create playlist

Creates a new list that can be given any name (e.g. **Reggae**).

### OK

Confirm.

Now melodies can be copied to the (still) empty playlist.

**Play list**

Options

Add

### Add

Confirm.

or

### Options

Open menu. (see playlist menu on the next page).

### Add Song

Select.



Select melody in the MP3 player list.

### Add

Confirm.

Repeat procedure until all melodies are copied to the playlist.

When the playlist is completed:



Return to the MP3 player list.

### Key lock in playback mode

If you switch on the key lock when in playback mode (hold down ), the side keys are not locked.

# MP3 Player



## Menu overview:

### MP3 Player Menu Options

Create playlist	Create a new playlist.
Modify playlist	Open an existing playlist for modification.
Rename	Rename the playlist.
Delete	Delete the highlighted entry.
Tone	Choose tone.
Shuffle	Random sequence of melodies.
Repeat	Play again.

### Playlists Menu Options

Add Song	Add new melody to the playlist.
Delete	The melody is deleted <b>only</b> from the playlist.
Delete all	Delete all entries after confirmation.
Move	Change sequence of melodies.

## Load music

Music files in the MP3 format can be copied from your PC to the MP3 folder on the MultiMediaCard™ using the Data Exchange Software (see also p. 70).

### You have a call!

If a call comes in, the music is automatically interrupted. You hear the ringer. Press the PTT key on the headphone to accept the call.

### Warning:

Do not use the MP3 Player whilst driving or using machinery.

### Legal notice

The music which you can dub and play back by the MP3 function of your device is normally subject to copyright protection according to the international and national laws and treaties applicable in the individual case.

In some countries reproductions, in some countries including those for private use, require the prior approval of the rightholder. Please inform yourself about and comply with the pertinent copyright regulations. Of course the foregoing restrictions do not apply if you are vested with these rights because it is your own composition or recording or because these rights were granted to you by the rightholder.

# Dictaphone

Voice recording offers you the following functions:

- Use as Dictaphone when you are on the move.
- Recording a call - useful for remembering numbers or addresses.
- Add a voice memo to an alarm in the Calendar (see p. 32).

## Side keys

The voice functions are preferably controlled by the keys on the side of the phone.

**Recording, playback  
(dictation key)**

**Loud**

**Quiet**

(no function for  
dictaphone )



### Legal notice

The use of this feature may be subject to restrictions by criminal law or other legal provisions. Please inform the other party to the conversation in advance if you intend to record the conversation and please keep such recording confidential. You may only use this feature, if the other party to the conversation agrees to the use.

## Record

The recording length is only limited by the capacity available. A 10 minute recording needs about 1 MB memory.

Recordings using the Dictaphone are stored as \*.VMO files. If they are transmitted to the PC using the Data Exchange Software (p. 70) they may be converted to \*.WAV files.

## Using the side keys

We recommend this procedure for short voice memos.

### Start

Press the dictation key for the duration of the recording. After a short beep, the recording starts.

### Recording pause

Release the dictation key to pause. When you press the key once more, the recording is continued. A pause of more than 10 seconds stops the recording.

### End/save

The recording is stopped when you release the dictation key for more than 10 seconds. It is stored with the current recording time as its name.

A different name can then be assigned to it (see dictaphone menu, p. 28).

# Dictaphone

## Using the soft keys

For use as dictaphone.

**Menu** → **Organiser** → **Dictaphone**

The list of the recordings is opened:

**New record**

Select.

**Record** Start recording.

**Pause** Recording pause.

or



press **briefly on the right:**  
Recording pause.

**Stop** End recording

or



press **briefly on the left:**

End recording, then,  
play back

**Play**

or

**Save** store straight away and assign name.



One recording forward or back.

## Using the PTT key

- Select the function „Dictaphone“ with the voice command.
- After you hear the beep press the PTT key **briefly** to start the recording.
- Pressing again **briefly** switches between pause and recording.
- Holding **down** the PTT key ends and saves the recording (confirmation beep).

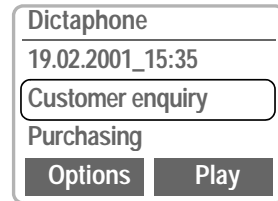
## Play

In standby mode, press dictation key **briefly** to play the last recording (also pause function).

or

**Menu** → **Organiser** → **Dictaphone**

The list of the saved recordings is displayed.



Select required recording.



Press **briefly** for playback.



**Hold down:**  
fast forward,  
reverse.



End playback.

## Dictaphone Menu **Options**

**New record** Start a new recording.

**Delete** Delete the entry selected.

**Delete all** Delete all entries after confirmation.

**Rename** Replace the time stamp of a recording with a name.

## Answering notice

This special recording can be played back if you cannot accept a call in person immediately.

For example: You are in a conference and a call is signalled by trembler alarm. You answer it and play the following announcement: "Please don't hang up, I'll speak to you in person in a moment."

### Record

The time elapsing is displayed numerically and also indicated by a graphical progress bar (in minutes).

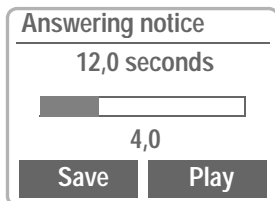
**Menu** → **Organiser** →  
**Answering notice**

The list of recordings is opened:

**New record** Select.

**Record** Start recording.

**Stop** Stop recording.



**Play** Play back the announcement for control purposes.

**Save** Assign a name to the recording.

### Answering notice Menu **Options**

- Play** Play back the entry selected.
- New record** Record a new announcement.
- Delete** Delete the entry selected.
- Delete all** Delete all entries after confirmation.
- Rename** Assign a different name to the entry.

### Activate

**Menu** → **Organiser** →  
**Answering notice**

The list of announcements is opened:



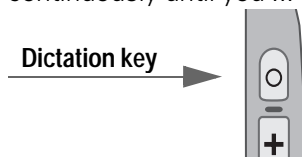
Select entry.

**Edit**

Press to activate this announcement.

### Apply

Press the dictation key **briefly if there is an incoming call**. The call is accepted and the announcement is played continuously until you ...



... accept the call.

# Calendar

**Menu** → **Organiser** → **Calendar**

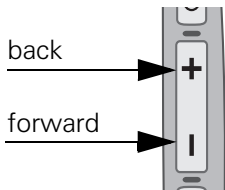
The Calendar offers you a

- monthly view,
- weekly view,
- daily view.

Time and date must be set for the Calendar to work properly (see p. 59).

## Monthly view

Th	Feb 2001						W 8
			1	2	3	4	
5	6	7	8	9	10	11	
12	13	14	15	16	17	18	
19	20	21	22	23	24	25	
26	27	28					
<b>Week</b>				<b>Appoint.</b>			



Scroll between the months.



Scroll between the weeks.



Scroll between the days.

**Week**

Display of the weekly view.

**Appoint.**

Display of the daily view.

### Synchronise with Outlook®

With the Siemens QuickSync software you can synchronise your Calendar with your Outlook® calendar (see p. 71).

## Weekly view

Th	Feb 2001						W 8
M	T	W	T	F	S	S	
19	20	21	22	23	24	25	
8	—	—	—	—	—	—	
12	—	—	—	—	—	—	
16	—	—	—	—	—	—	
<b>Month</b>				<b>Appoint.</b>			



Scroll in the day.



Scroll between the days.

**Appoint.**

Daily view.



Schedule. Time overlaps are highlighted.

Each day is divided into two blocks of four hours (morning + afternoon).

## Daily view

**Appoint.** Select.

You may enter several appointments in the daily view for each day. When an appointment is reached, you hear a beep.

Th	22.02.2001
<b>New entry</b>	
	11:30 Presentation
	15:00 Flight
<b>Options</b>	<b>Select</b>

## Appointments

**Menu** → **Organiser** → **Appointments**

Display of **all** entered appointments in chronological sequence.



# Calendar

## Appointments Menu Options

<b>New entry</b>	See on the right.
<b>Activate, Deactivate</b>	Activate or deactivate an alarm.
<b>Delete</b>	Delete the entry selected.
<b>Delete all</b>	Delete all entries after confirmation.
<b>Edit</b>	Open the entry for changes.
<b>Send via ...</b>	Transmit to a suitable device.
<b>Print via ...</b>	Transmit to a suitable printer.
<b>Print all via...</b>	Transmit all appointments to a printer.
<b>Week starts Mo</b>	Define the start of the week.



Display when alarm is activated.

A total of 50 entries can be created.  
An alarm sounds even when the phone is switched off. To deactivate it press any key.  
To deactivate all alarms: See "Without Alarm", p. 51.

**Pause** delays the alarm by 5 minutes.

**Ringer setting**, see p. 52.

**Clock**, see p. 59.

**Alarms missed**, see p. 49.

## New appointment

**Menu** → **Organiser** → **Calendar**

**Appoint.** Select.

**New entry** Select.



Make the entries field by field:

### Type of Alarm:



**Memo.** A short text may be appended (up to 16 letters).



**Call.** Enter phone number. It is shown together with the alarm.



**Meeting**



**Birthday**



**Voice Memo**

### Description:

Name of the appointment.

### Alarm:

Activate, Deactivate.

### Date from: / until:

Start date of the appointment, enter end date if necessary.

### Time from: / until:

Start time of the appointment, enter termination time if necessary.

### Reoccurrence:

Select periods repeating the appointment.

**Save** Store the appointment.

## Calculator / Currency Conver.

### Calculator

**Menu** → **Organiser** → **Calculator**



Enter number.



Select calculator function.



Repeat procedure with other numbers.



Result is displayed.

#### Special functions

Press the right soft key repeatedly: (indicated in the display)

- Set decimal point.
- $\pm$  Switching the operational signs "+" and "-".
- % Conversion to percentage.
- $\downarrow$  Save the number displayed.
- $\uparrow$  Retrieve the number saved.
- e Exponent (only one digit).



Enter exchange rate.



Confirm.

### Convert

Any combination of calculations may be made between the entered currencies.



Select one combination from the list of combinations possible.



Confirm.



Enter amount (up to 8 digits).



The result is displayed.

#### Special functions

Press the right soft key repeatedly (Indicator in the display):

- Set decimal point.
- $\downarrow$  Save the number displayed.
- $\uparrow$  Retrieve the number saved.

### Currency Conver.

**Menu** → **Surf/Fun** → **Currency Conver.**

You may store up to three different currencies.

#### Enter currency

To convert, enter two currencies at least.

**New entry** Select.



Enter symbol of the own and the foreign currency.



Confirm.

### Currency Conver. Menu **Options**

You may change, enter anew or delete currencies and rates.

## Internet (WAP)

**Menu** → Surf/Fun → Internet

Get the latest WAP information from the Internet that is specifically adapted to the display options of the phone.




Internet access may require registration with your Service Provider.

### Settings


Preparation of the phone for Internet access depends on your Service Provider:


- If the settings have already been made by the Service Provider, you may begin immediately.
- If access profiles have already been assigned by your Service Provider, select a profile and activate it (see p. 37).
- Otherwise the access profile must be set and activated manually (see p. 36)


If necessary, check with your Service Provider.

 Online, 
  Offline, 
  no network

The current display is in the upper left corner.

 Switch full page view on/off.

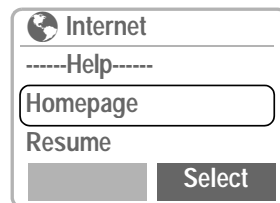
 Scroll page by page.

 Font larger or smaller

### Internet access

**Menu** → Surf/Fun → Internet

The start menu appears:



Select the required function.

**Select**

Confirm.

-----Help-----

User guide (help system).

#### Homepage

The first WAP Internet page that is displayed after connection is established (may be set/preset by the Service Provider).

#### Resume

Call the pages last visited, which are still in the memory.

#### Favorites

Display up to nine of your most important WAP pages for fast access.

#### Profiles

Set up to 5 access profiles (see p. 36).



Hold **down** to end the Internet connection.

## Internet (WAP)

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### Example: Home

The soft keys may be assigned functions that are controlled online from the homepage such as "links" or "menus".



The contents of option menus are also variable.

### Browser Menu

You must be in the Internet application (online or offline).



Press.

#### Homepage

The first WAP Internet page that is displayed after connection setup (may have been set/preset by your Service Provider)

#### Add bookmark

Store the current WAP page as a bookmark **with your Service Provider** (not available everywhere).

#### Favorites

Display of up to nine WAP pages for fast access.

Select **New entry** to manually enter an URL. Further functions via **Options**.

#### Disconnect

End connection.

#### Reset

Delete the pages last visited (cache).

#### More ...

See below.

#### Exit Browser

End browser and connection.

### More ...

#### Go to URL

Option for accessing an Internet address (URL = Uniform Resource Locator).

#### Show URL

Show the current Internet address.

#### Channels

Access to services offered by your Provider.

#### Outbox

Contains e mails to be transmitted later (depends on your Service Provider).

## Internet (WAP)

**Encryption** For secure data transmission some information is encrypted.

Contact your Service Provider for the installation of a key.

When the connection is established, a key is automatically exchanged between the Service Provider and the phone.

### Verify key

Verify existing key.

### New key

Request a new key after consultation with your Service Provider.

### About

### Phone.com

Display the browser version.

## Profiles

You can set or change the five access profiles if necessary. The entries and functions may vary depending on your Service Provider.

### Profile settings

To create a new profile, proceed as follows:

**Menu** → **Surf/Fun** → **Internet** → **Profiles**

### New entry

Select to display the entry list.



Make your entries field by field.

You may get further information on the entries from your Service Provider.

**Profil name:** Name the profile or rename a default name.

**Dial-up no.:** Enter ISP number.

**Call type:** Select ISDN or Analog.

**Login-name:** Enter Login name.

**Password:** Enter password.

**IP Address** Enter IP address.

**IP Port** Enter port number

## Internet (WAP)

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- Homepage** Enter homepage (see p. 34), if not fixed by the Service Provider.
- Linger-time:** Enter time in seconds when a connection should be interrupted, if **no** input or data transfer takes place.

**Save**

The settings are stored and the profile list is shown.

### Special characters

(as in the SMS text editor)



Press 3 x for /



Press 3 x for @

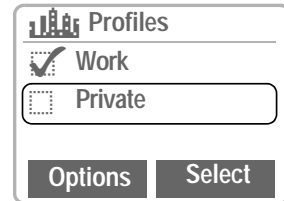


Press 4 x for . (full stop)

Your Internet browser is licensed by:



### Activate profile



### Activate

To activate a profile, call the profile list.

**Menu** → Surf/Fun → Internet → Profiles



Select the required profile and confirm.



Display, when profile is active.

### Profiles Menu Options

- New entry** Define new profile.
- Edit** Open entry for editing.
- Delete** Delete the selected entry.
- Delete all** Delete all profiles.

# Games / Chronometer

**Menu** → Surf/Fun → Games

## Games

Select the required game from the list. Have fun!

## Instructions

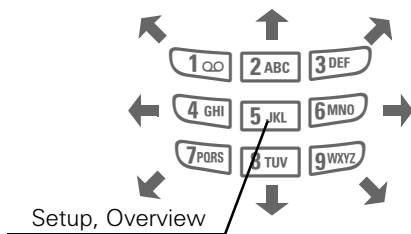
You will find special instructions for each game in the help text.

The following rules are valid for all games.

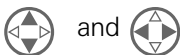
**Options** Provides tips on how to play the game, shows the saved scores and allows you to set the level of difficulty.

**Start** Start game.

## Key control



or using the control key:



## Chronometer

**Menu** → Surf/Fun → Chronometer →  
Select the required function:

## Stopwatch

Display the time up to a 100th of a second.

Operation using the keys:

Start/stop the stopwatch.

**+** Clock intermediate time



**Reset** Reset to zero.

## Stopwatch Menu Options

**Save** Save the clocked time and name it.  
**List** Edit, delete entries.  
**Reset** Reset stopwatch to zero.

## Countdown

A set period elapses. The last three seconds are indicated by a beep. At the end, a special beep sounds.

**Edit** Enter the period.

**Start** Start counter.

## Message (SMS)

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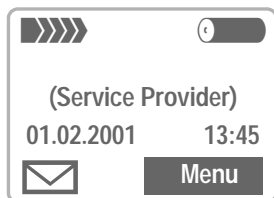
You may transmit and receive messages with your phone (length up to 160 characters).

Depending on your Service Provider, emails and faxes can be transmitted as SMS (change settings if necessary, p. 45)

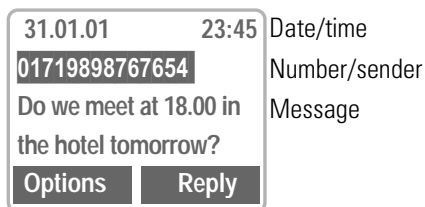
### Read Messages



Display indicates a new message.



Press to read the message.



In the message (depending on length of the text), you can:



Scroll line by line using the control key.



Scroll page by page using the side keys.

**Reply** See below.

**Options** see p. 43.



The archive function is displayed at the end of a message. This moves the message to the MultiMediaCard™ (see also p. 40).



If this symbol appears, **no more** SMS messages can be received. Delete or save messages (see p. 43).

Numbers inversely displayed in the message can be dialled (dial key), stored in the address book (see p. 43) or used as the address for an answer.

### Reply Menu

**Reply**

The recipient of the reply is the sender of the message.

**Write** Create a new reply text.

**Message**

**Edit** Edit the received message or give it a new text.

**Answer is YES** Add YES to the message.

**Answer is NO** Add NO to the message.

**Predefined text** Add a standard text to the message, e. g.

I'll be late

Call back please

When the message has been edited in the editor, it can be stored or sent with **Options** (see p. 40).



## Message (SMS)

### Compose message

**Menu** → Messages → SMS →  
Write Message →



The **text input using "T9"** allows you to quickly create long SMS using few key entries (see p. 41).

**Delete** Hold down to delete word by word. Further functions in the text menu on the right.

**Options** Open the text menu.

**Send** Select.  
**or** select

**Send via ...** A list of different transmission routes is displayed.



Dial number/select from address book.

**Send** The message is transferred to the Service Centre for transmission.

If **Service Centre** or **Validity period** are requested, see p. 45.

### Message Menu **Options**

**Send** Dial the number of the address or select from the address book, then send.

**Send via ...** List of transmission routes.


**Save** Save the composed message in the outgoing list.

**Line feed** Enter a line break.

**Add** Open the address book and copy data highlighted there into the message.

**Print via ...** Transmit to a suitable printer.

**T9 Input** Activate or deactivate intelligent text entry (see also p. 41)

 Icon in header, when T9 is active.

**T9 Language** Select the language in which the message is to be composed (must be available on the MultiMediaCard™).

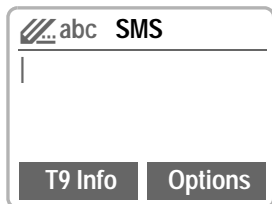
**Insert Picture** Select an icon from a list and insert it in the text (can only be displayed by appropriate receiving devices).

**Clear Text** The whole text is deleted.

## Message (SMS)

### Text entry with "T9"

"T9" deduces the correct word from the individual key entries by making comparisons with a comprehensive dictionary.



### Select T9 Language

Switch to the language in which you want to compose the message.

**Options** Open text menu, then select **T9 Language**.

### Create a word using T9

Since the display changes as you proceed, **it is best if you finish a word without looking at the display**.

You simply press the keys under which the relevant letter is located **once**. E. g. for "hotel":



T9 does the conversion of language specific special characters (such as ä, à) for you. Simply compose the message using the respective standard character, e.g. A instead of Ä.  
If a word happens not to correspond to your entries, see: "T9 word suggestions" below.

	Press before the word for <b>uppercase and lowercase</b> , write <b>digits</b> .
	<b>Blank</b> . Ends a word.
	<b>Full stop</b> . Ends word when a blank follows. Acts as an wild-card character for an apostrophe/hyphen in the word: e.g. <b>Provider.s</b> = Provider's.
	<b>Go to the right</b> . Ends a word.
	Deactivate T9 <b>temporarily</b> and activate it again.
<b>Special characters</b>	
Press the key repeatedly until the character appears. They are shown in the display.	
To write special characters after numbers (e.g. 5 £), switch to the letter mode first:	
	Blank 1 € £ \$ ¥ ¢
	+ 0 - . , : ? ; ! i " ' ; _
	* / ( ) < = > % ~
	# @ \ & \$ % & # & # ≡ ∏ ∑ Φ Ψ Ω

### Activate, deactivate T9 (SMS)

In order to use T9 as an input aid, you must be in the text editor: (see also p. 40)

**Options** Open text menu, then select **T9 Input**.  
Activate T9 and confirm with **OK**.



When T9 is active, you will see the icon in the uppermost line. **abc** Lower- **ABC** UPPERCASE.

## Message (SMS)

### T9 word suggestions

If several options are found in the dictionary for a key sequence (a word), the most frequent one is displayed first. When the word you mean has not been recognized, the next suggestion from T9 may be correct.

The word must be displayed **inversely**. Then

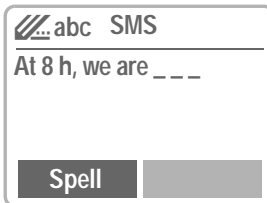


... press. The displayed word is underlined and replaced with a different word. If this word is also incorrect,



... press again. Repeat until the correct word is displayed.

If the required word is not in the dictionary list, it may be written without T9 or added to the dictionary.



#### Spell

Select. The last suggestion is deleted and the word may now be entered without T9 support. It is automatically added to the dictionary.

### Correct a word

Words that have been created **using T9**:



Go word by word to the left/to the right until the required word is inverted.



Scroll through the T9 word suggestions again.



Deletes the letter on the left of the cursor **and** displays the new possible word!

Within a "T9 Word", individual letters may not be edited without cancelling the T9 status first. In most cases, it is better to rewrite the complete word.

Words that have **not** been created using T9:



Go character by character to the left/to the right.



Deletes the letter on the left of the cursor.



Symbols are inserted at the cursor position.



Scroll line by line.

T9® Text Input is licensed under one or more of the following: U.S. Pat. Nos. 5,818,437, 5,953,541, 5,187,480, 5,945,928, and 6,011,554; Canadian Pat. No. 1,331,057; United Kingdom Pat. No. 2238414B; Hong Kong Standard Pat. No. HK0940329; Republic of Singapore Pat. No. 51383; Euro.Pat. No. 0 842 463 (96927260.8) DE/DK, FI, FR, IT, NL, PT, ES, SE, GB; and additional patents are pending worldwide.

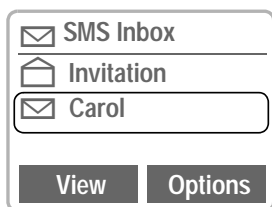
# Message (SMS)

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## Incoming list, outgoing list

**Menu** → Messages → SMS →  
Inbox or Outbox

The list of the saved messages is shown.



**Options** (see on the right) .

Marking:	<b>Inbox</b>	<b>Outbox</b>
	Read	Not sent
	Unread	Sent

## Archive

**Menu** → Messages → SMS →  
Archiv

The list of the messages recorded on the MultiMediaCard™ is shown.

**Options** (see on the right) .

## Lists/Archive Menu **Options**

Depending on situation, different functions are available:

- Edit** Start the editor for changes.
- Send** Dial number or select from address book, then send.
- Send via ...** List of the transmission routes available.
- Print via ...** Transmit to a suitable printer.
- Delete** Delete the message selected.
- Delete all** Delete all entries after confirmation.
- Capacity** Display number of saved messages.
- Save No. into** Transfer a highlighted phone number to the address book.
- Status Report** Request a delivery confirmation for messages sent.
- Reply** Reply directly to incoming SMS.
- Mark as unread** Marks the message as unread.

## Message (SMS)

### Predef. Message

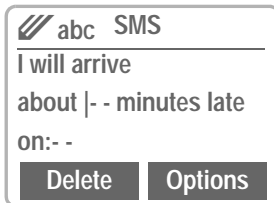
The following standard messages are stored in the phone. You only need to add time and date.

**Menu** → Messages → SMS →  
Predef. Message

Selection:

**Late, Appointment, Anniversary**

The cursor appears at the first input point:




Complete the message.



Jump to the next input point.

**Options**

Open the text menu.

**Send**

Select.

Dial number or select from address book and transmit.

Transmission of an SMS is confirmed with "Message sent!". It can be selected and re-read in the outgoing list.

The "Message sent!" text only indicates that the message has been transmitted to the Service Centre. The latter now tries to deliver the message within a certain period.

If the phone was unable to send the message, a retry option is available. If this attempt also fails, check the phone number of the Service Centre.

# Message (SMS)

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## Setup

You can create different "transmission profiles" for different uses. A profile is selected later, before text entry for the SMS.

**Menu** → Messages → SMS → Setup

The list of the available profiles is displayed.



Select profile and confirm

or

**New entry** create new profile.

The list of the settings available appears:

## Service Centre

Enter or change the phone numbers of Service Centres as supplied by the Service Provider. Always enter the full international number for the Service Centre.

## Message type

**Variable** The message type is requested for each message.

**Standard text** Normal SMS message.

**Email** Transmission via SMS.

**Fax** Transmission via SMS

**Own value:** You may need to obtain the required code number from your Service Provider.

## Validity period

Selecting the period in which the Service Centre tries to deliver the message:

**Variable, 1 hour, 12 hours, 1 week, Maximum\*, Own value:.**

\*Maximum period that the Service Provider permits.

## Status report

You are given confirmation of the successful or unsuccessful delivery of a sent message. This service may be subject to a charge.

## Direct reply

The reply to your message is handled via your Service Centre (info from your Service Provider).

## Voice message / Mailbox

Most Service Providers offer you an external answering service. In this mailbox, a caller may leave a voice message for you

- if your phone is switched off or not ready to retrieve,
- if you do not want to answer,
- if you are making a phone call (and when **Call waiting** is not active, p. 15).

If the voice mail service is not part of your Service Provider's user package, you will need to register and the settings must be made manually. The following description may vary a little depending on the Service Provider.

### Setup

Your Service Provider supplies you with two numbers:

#### Mailbox phone number

You call this number to listen to the voice mails left for you. To set:

**Menu** → **Messages** →  
**Voice message**

Select number in address book or dial/change it and confirm with **Save**.

#### Forwarding number

The calls are diverted to this phone number. To set:

**Menu** → **Divert** → e.g.  
**All unanswered** → **Set**

Dial the number of the mailbox.

#### OK

Registration at the network. The confirmation is made after some seconds.

For further information on call diversion see p. 55.

### Listen to

A new voice mail can be displayed as follows:



Icon, including beep.



A text message announces a new voice mail

or you receive a call with an automatic announcement.

Call your mailbox and play the messages back:



Press the soft key underneath the icon

**or**



Press (if necessary dial number of the Service Centre).

#### Mailbox

Press.

Outside your home network, a different mailbox number may need to be dialled.

If a password is required to access your mailbox, you can store it in the address book along with the phone number (see p. 18).

# Cell broadcast

## Cell broadcast



Some Service Providers offer information services (info channels) such as area codes, stock markets etc. The information available depends on the Service Provider. If reception is activated, you receive messages on the active topics of your "Topic List".

**Menu** → **Messages** →  
Cell broadcast

## Broadcast

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

## Read New CB

All unread CB messages are displayed.



Use the side keys to scroll.  
The message covers the whole display.

## Topic List

You can add 5 topics to this personal list, that you can either select from the Topic Index (see "Topic Index", p. 48) or enter by yourself with a name and channel number (ID). Additionally, other channel numbers without name are available depending on the SIM card.

## New Topic

### New Topic Select.

- If no Topic Index is available (see "Topic Index", p. 48), enter a topic with its channel number and confirm with **Select**.
- If the Topic Index has already been transmitted, select a topic and confirm with **Select**.

### Selection from a list **Options**

If a topic is selected in the list, you may have a look at it, activate it or deactivate it, edit it or delete it.

## Auto display

CB messages are displayed in standby mode, longer messages are automatically scrolled.

The automatic display can be set for all messages or only new messages or deactivated entirely.



then press **Read CB**.

Switches to the "full page view" automatically.



## Cell broadcast

### Topic Index

The list of topics currently provided by your Service Provider is displayed to choose from.

If there is no display, the channel numbers (ID) can also be entered manually (see "Topic List", p. 47). Please contact your Service Provider for details.

### CB Languages

You may define whether you want to receive Cell Broadcast messages only in a specific language or in all languages.

#### Displays



Topic activated



Topic deactivated



New messages received on the topic.



Messages on the topic already read.

Phone numbers inversely displayed can be:



dialled.

**Options** stored in the address book.

Additional beep, see p. 52.

### SIM Services (optional)

Your Service Provider can offer special applications (e. g. home banking, stock market info, etc.) via the SIM card.

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.



Icon of SIM services.

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.

# Records

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The phone stores the phone numbers of calls for convenient redialling.

**Menu** → **Records**



Select required call list and select the number there.



Select number

**or**



View information on the phone number:  
Date, time, number of calls

The following call lists are available:

## Calls missed



The phone numbers of calls you have received but not answered can be recorded for call back purposes.

Prerequisite:

The networks used support the "Caller Identity" feature.

## Calls received



Prerequisite:

The networks used support the "Caller Identity".

## Calls dialled

Access to the last phone numbers you dialled.



Fast access in standby mode.

## Alarms missed

Appointments with alarm that you have not responded to are listed and can be displayed and edited.

### Records Menu Options

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

You can edit an entry, delete it or add a phone number to the address book.

# Profiles

If a profile is used, several settings are made with **one** function.

- Three profiles are standard with default settings, however, they can be changed:  
**Norm. Environ.**, **Quiet Environ.**, **Noisy Environ.**
- You may set three personal profiles individually:  
Profile 1, profile 2, profile 3.
- The special profile **Without Alarm** is fixed and cannot be changed.

If the phone is used by several users, everybody may activate her/his settings by selecting her/his personal profile.

## Activate

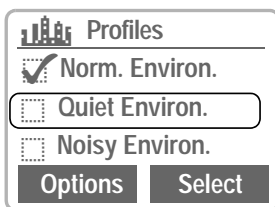
**Menu** → Profiles



Select default profile, personal profile.

**Select**

Activate the profile or deactivate it.



Highlight of the active profile.

## Setup

Edit a default profile or create a new personal profile.



Select default profile or profile 1, 2, 3.

**Select**

Confirm.

## Profiles Menu Options

### Edit settings

The following functions can each be set individually for a profile:

- Ringer setting .....p. 52
- Melodies .....p. 53
- Volume .....p. 52
- Vibration .....p. 52
- Service Tones .....p. 52
- Key tones .....p. 57
- Big letters .....p. 58
- Filter .....p. 52

When the setting of a function is complete, you return to the profile menu and can adjust a further setting.

### Rename

Rename the selected profile.

# Profiles

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## Without Alarm

This profile is **unmodifiable**.

- All alarms are deactivated.

## Activate

**Menu** → Profiles



Select **Without Alarm**.

**Select**

Activate the profile or deactivate it.

Profile selection must be confirmed.



Then switch off the phone

**or**

end after 30 seconds automatically.

Now the profile is activated and the phone is switched to mute, which means that you do not hear any alarms any more!

## Normal operation

To return to normal operation, enter PIN / device code when you switch on the phone again.

You can set the tones that sound in specific situations according to your wishes.

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

## Ringer setting

Activate, deactivate the ringer or reduce it to a short beep.



Display when beep is active.



Display, when ringer is deactivated.



Hold down when in standby to activate, deactivate ringer.

**OK**

Confirm.

## Volume

Set the volume for various ringers differently.

All calls  
VIP Calls  
Appointments  
Messages  
Cell broadcast



Displays rising volume.

If two separate phone numbers are registered for your phone, you can also set them separately.

## Trembler

To avoid being disturbed by the ringer, you can activate the trembler instead. It can also be active in addition to the ringer (e.g. in noisy environments).

## Filter



Only calls from numbers who are in the address book or who belong to the VIP group are signalled acoustically. Other calls are only displayed.

If you do not accept these calls, they are diverted to your mailbox (if set see p. 46).



Display, when activated.

## Service Tones

Activate or deactivate the following service tones and alarm tones:

All  
Switch on/off  
Network found  
Warning tones  
End of menu

## Audio

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### Compose melody

You can compose melodies yourself.



Keys 1 to 7 correspond to the notes C, D, E, F, G, A and H.



Go back and forwards within the melody.



Increase length of note.



Reduce length of note.



One note higher.



One note lower.



Inserts a pause.



One octave up or down.



The menu offers further functions such as **Play, Save, Insert Note, Delete Note** etc..

The composed melody can be stored on the MultiMediaCard™.

### Melodies

Select a melody each for the following:

**All calls**  
**VIP Calls**  
**Appointments**  
**Messages**  
**Cell broadcast**

Then the list of the available music styles is displayed.

**Standard**  
**Classical**  
**Traditional**  
**Discreet**  
**Pop music**  
**Individual** (see below)



Select a music style.



Confirm.



Select a melody.



Confirm.

### Individual

This style may contain any three melodies you have composed or loaded from the MultiMediaCard™.

#### Load melodies from the MultiMediaCard™ into the phone



Choose **individual**.



Open the **Ringing tone** folder on the MultiMediaCard™.



Choose a melody.



Confirm.

#### Load melodies from the PC to the MultiMediaCard™

You can copy melodies in the MIDI format (\*.MID) from the PC into the **Ringing tone** folder on the MultiMediaCard™ using the Data Exchange Software (see p. 70).

## 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



After you have made the charge detail settings, you can display the call duration/charge details for the following call types:

### Last call

### All calls out

### All calls in

Select a call type.

**Select** Display the data.

When displayed, you may do the following:

**Delete** Clear display.

**OK** End display.

## Charge Settings

Set the parameters on the display.

### Charge rate



(PIN 2 needed)

Enter the charges per unit/period.

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

### Limit



(PIN 2 needed)

Special SIM cards allow you or the Service Provider to define a credit / period after which the phone is blocked for outgoing calls.

**Edit** Enter the number of units.

Then confirm the credit or reset the counter. The display of Prepaid cards may vary depending on Service Provider.

### Total amount

Display of the call duration/charges for all calls.

### Incoming calls

Display of the charges for incoming calls, if these are separately billed.

### Auto display

Call duration and call charges are displayed after each call.

# Divert

55

You can set the conditions by which calls are diverted to your mailbox or other numbers.

**Menu** → **Divert**

## Set divert

**Example:** The most common condition for forwarding is:

### All unanswered

This and other conditions are set (see box) in the same way:

**Menu** → **Divert** →  
**All unanswered** → **Set**

Enter the phone number to which a call will be diverted (if not done already), and confirm with **OK**.

or



Displays the address book or mailbox, to select the number to which a call will be diverted.

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

#### All unanswered

This setting covers the most important conditions: (see also below)

**If not reachable**

**If no reply**

**If busy**

### All calls

All calls are diverted.



Symbol in the first line of the display when in stand-by.

## Specific divert

### If not reachable

Divert, if the phone is switched off or out of range.

### If no reply

A call is only diverted after a delay. The period is user-settable in intervals of 5 seconds up to 30 seconds maximum.

### If busy

Divert, if a call is in progress. If "Call waiting" is activated (see p. 64) you will hear the call waiting tone (see p. 15) even when the diversion "If busy" has been set.

## Receiving fax

Fax calls are diverted to a number with a fax connection.

## Receiving data

Data calls are diverted to a number with a PC connection.



## Status check

If you want to check the current divert status, first select the condition, then **Status check**.

After a short pause the current situation is transmitted and displayed by the network.



Condition set.



Not set.



Display, if status is unknown (e.g. in new SIM card).

## Clear all

All set diversions are deleted.

Note that the diversion is stored in the network and not in the phone (e.g. when the SIM card is changed).

## Reactivate divert

The last diversion has been stored.

Proceed as with **Set Divert**.

The stored phone number is displayed and is confirmed.

## Edit phone number

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

**Delete**

Delete the phone number.

Enter new number and confirm.

# Setup

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## Menu mode

**Menu** → **Setup** → **Menu mode**

The main menu may be reduced to important functions to simplify the operation of the phone.

These functions may now be called up directly (without intermediate steps).

Calls dialled  
Calls missed  
Voice message  
All unanswered  
Incoming Msgs  
Write Message  
All service tones  
Volume all calls  
Melody all calls  
Profiles  
Menu mode

Use the function **Menu mode** to activate the comprehensive main menu.


## Device

**Menu** → **Setup** → **Device** →  
then select function.

## Language


English is always available as a basic language. The language of your Service Provider is loaded automatically when the SIM card is inserted. Another third language may be loaded additionally.

To create additional capacity on the Multi-MediaCard™, languages not required can be deleted. The files can be restored from the CD ROM (see "Card-Explorer", p. 67).

If a language you do not understand has been set, the phone can be reset to the language of the Service Provider or to English with the following input : \*#0000# 

## Keys

### Any key answer

You can answer incoming calls using any key (except .

### Auto key lock

The automatic key lock activates automatically when no key has been pressed for one minute. This prevents accidental activation of the phone keys. However, you still remain reachable and can make an emergency call.

The keypad can also be directly locked and unlocked:



Hold **down** respectively.



Confirm.

### Key tones

You can set the type of acoustic key tone:

**Key Click or**  
**Key Tones or**  
**Key silent**

**Menu** → Setup → Device →  
then select a function:

## Display

### Illumination

The display illumination can be switched on and off (affects the standby time)

The brightness can be adjusted (dimmer).

### Big letters

You can change the font size of the display.

### Own Greeting

You can create a greeting that is displayed after switching on.



Switch between On and Off.



Delete old message and compose new message.



Confirm changes.

### Screen style

You can select an animation (animated graphic) to replace the currently displayed graphic, when the phone is switched on. You can copy additional graphics into the "animations" folder on the MultiMedia-Card™ using the Data Exchange Software (p. 70).

### Contrast

Setting of the display contrast.

## Status

### Master reset

The phone is reset to the default values (does not apply to SIM card and network settings).

### Phone identity

The phone identity number (IMEI) is displayed. This information can be helpful for customer service.

### Fast search

When this function is activated, network reconnection is speeded up (the standby time is reduced).

### Erase records

(phone code p. 61)

The following lists are deleted: (see also p. 49)

**Calls missed**

**Calls received**

**Calls dialled**

**Alarms missed**

# Setup

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**Menu** → Setup → Device →  
then select a function:

## Clock

### Time/Date

The clock must be set correctly once at start-up.

**Edit**

Press.

First date (day/month/year), then time (24 hours including seconds).

### Format Date

Setting of the date format:

**DD.MM.YYYY** or **MM/DD/YYYY**

### Auto display

The time display can be switched on or off.

### Auto Phone Off

The phone daily switches off at the set time.

- Info

**Clock**

Press.

Enter time (24 h clock).

**OK**

Confirm.

- Deactivate

**Variable**

Press.

**OK**

Confirm.

If the battery is removed for more than about 30 seconds, the clock must be reset.

## Text input

### T9 Preferred

You may set whether "T 9" should be used permanently for entering messages (see p. 41).

### T9 Language

Switch to the language in which you want to compose the message.

## Security

Phone and SIM card are protected against misuse by several security codes.

**PIN 1** protects your SIM card (personal identification number).

**PIN 2** is needed to set the charge detail display and for additional functions of special SIM cards.

**PUK** Key code. Used to unlock SIM cards after incorrect PIN input.

**Phonecode** protects your phone. Must be entered at the first security setting (4-8 digits). The default is 0000.

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

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

## Babysitter

(Phonecode)

Calls can only be made to **one** phone number that is dialled using the right soft key. Enter phone number and name or select from the address book.

To end:



Hold **down**.

## Only

(PIN 2)

The dialling options are restricted to specific phone numbers. If only area codes are entered, the relevant phone numbers can be added to these manually before dialling.

For further information see p. 22.

## Only last 10

(Phonecode)

Calls are limited to the call list of dialled numbers. This call list can be filled with phone numbers specifically for this purpose:

Delete (see also p. 49) call list and create "new entries" by dialling phone numbers and cancelling before the connection is established.

# Setup

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

## PIN Control

The PIN is usually requested each time the phone is switched on. You can deactivate this control but you risk unauthorised use of the phone. Some Service Providers do not permit this function.

## Prevent new SIM

(Phonecode)

The operation of your phone with another SIM card is prevented.

## Codes

### PIN 1

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



Enter **old** PIN.



Press.



/ **OK** Enter **new** PIN.



/ **OK** Repeat **new** PIN.

### PIN 2

You can change the PIN 2 to any 4-8 digit number (display only when PIN2 is available).

Proceed as with **PIN 1**.

## Phonecode

The default is 0000. You can also change the phone code to any 4 - 8 digit number. Proceed as with **PIN 1**.

## Network

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

## Connection



This function is only displayed if it is supported by the Service Provider.

Two independent phone numbers must be registered on the phone.

### Select

Select the currently used phone number.

If you change frequently, it is more convenient to make the selection using the soft key (see p. 65).



Display the active phone number.

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 phone number/line:  
(in standby mode)



Press, then:



Press.

## Lock

(Phonecode)

You may limit usage to one phone number.

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

## Setup

### Network info

The list of currently available GSM networks is shown.



Indication of forbidden Service Providers (depending on SIM card).

### Change network

Network search is restarted. This is useful if you are **not** in your home network or want to register in a **different** network. The network info list is rebuilt.

### Auto network

Activate or deactivate, see also "**Change network**" above.

If "Automatic Network" is active, the next network is dialled in the order of your list of "preferred Service Providers". Otherwise, a different network can be selected manually from the list of available GSM networks.

### Operator List

A list of all known GSM Networks is shown. Select entry and press **Info** to display code.

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

**New entry** Select, change and confirm.

### Preferred network

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. You can edit this as required.

**List** Display list of preferred networks.

- New entry:

#### New entry

Select, then scroll to an entry from the list of Networks and confirm it.

- Change/delete old entry:

Select existing entry and delete it or select an entry from the list of Networks and confirm this one.

## Band selection

Select between GSM 900 and GSM 1.800.

## Barrings



Barring restricts the use of your SIM card (not supported by all Service Providers). You need a 4 digit password that your Service Provider supplies you with for barring. You must be registered separately for each barring.

# Setup

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## Outgoing Access

All outgoing calls (except emergency number) are barred.

## Outgoing Internat.

Only national calls can be made.

## Out. Intern. excl. Home

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

## All calls in

The phone is barred for all incoming calls (the forwarding of all calls to the mailbox offers a similar effect).

## When roaming

You do not receive calls when outside your home network. This means that no charges are incurred for incoming calls.

## Status check

The following information can be displayed after a status check:



Barring set



Barring not set



Status unknown (e.g. new SIM card)

## Clear all

All barrings are cleared.

## Menu

→ Setup → Network →

then select a function:

## User group



If offered by the Service Provider, this service enables groups to be formed. These have access for example to internal (company) information or special tariffs apply to them. Check with your Service Provider for details.

## Active

Activate or deactivate the function. "User group" must be deactivated for normal phone use (phone code, p. 61).

## Select Group

You may select or add other groups than the preferred groups (see below). The Service Provider supplies you with code numbers for the groups.

## Outgoing Access

In addition to network control for a user group, it is possible to set whether outgoing calls outside of the group are permitted. If the function is deactivated, only calls within the group are permitted.

## Preferred group

If it is activated, only calls within this standard user group can be made (depending on the network configuration).



# Setup

## 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 p. 15).

### Conceal ID



When you make a call, your number appears on the recipient's display (depending on the Service Providers).

To suppress this display, you may activate "Conceal ID" mode for the next call or all subsequent calls. You may need to register separately with your Service Provider for these functions.

### Minute Beep

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

## Headset

**Menu** → Setup → Headset

Calls are automatically accepted after the 3rd ring when the stereo headphones are connected, so you can continue wearing the headphones.

Switch to handset during a call (if the phone is connected to the hands-free kit).



Activate and deactivate.

## Car use

**Menu** → Setup → In the car

When the phone is connected to an Original Siemens car kit, the following functions can be activated/deactivated:

### Auto Answer

Calls are accepted after the 3rd ring if the phone is connected to an Original Siemens car kit. Depending on the installation, the ignition may need to be switched on for this. Factory default: On.



Indication on the display.

### Auto Phone Off

The phone is powered by the car's power supply. The time between switching off the ignition and deactivation of the phone can be adjusted. Factory default: 2 hours.

## Automatic settings:

**Permanent illumination: Switched on**

**Auto key lock: Switched off**

## IrDA

Activate/deactivate the infra-red data transmission.

# Fast access key



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The left soft key and keys 2 to 9 (speed dialling numbers) can each be assigned an important phone number or a function.

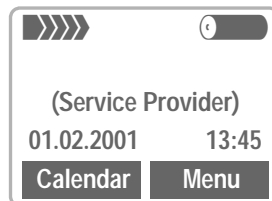
The phone number can then be dialled, or the function can be started, at the touch of a button.

- Phone number
- SIM Services ..... p. 48
- Calendar ..... p. 31
- Appointments ..... p. 31
- Dictaphone ..... p. 28
- MP3 Player ..... p. 25
- Card-Explorer ..... p. 67
- Calculator ..... p. 33
- Games ..... p. 38
- Currency Conver. .... p. 33
- Write Message ..... p. 40
- User group ..... p. 63
- IrDA ..... p. 64
- Voicedialling ..... p. 24
- Internet ..... p. 34
- Calls missed ..... p. 49
- Calls received ..... p. 49
- Connection ..... p. 61

A function may already have been programmed on this soft key by your Service Provider (e.g. access to 'SIM-Services').

The soft key may sometimes be replaced with  /  to access a new message.

## Soft key



The **left** soft key can be used for fast access.

## Edit

Press soft key ("Calendar", if this is still preset):

**Calendar** Press.

**Edit** Press and scroll to application from the list.

- Assign the new **application** (e.g. **Games**) to the soft key.
- Special case **phone number**. Pick out a name from the address book (e.g. "Carol") for assignment the soft key.

**Select** Confirm setting.

## Apply

The setting "Carol" only serves as an example here.

**Carol** Press **briefly**.

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

or

**Carol** Hold **down**.

## Fast access key

### Speed dialling number

Digit keys 1 to 9 can be used as speed dialling numbers for fast access.

#### Defaults for the speed dialling number

1	Reserved for the phone number for checking the mailbox .....	p. 46
2	Calendar .....	p. 31
3	Appointments .....	p. 31
4	Internet .....	p. 34
5	Card-Explorer .....	p. 67
6	Write Message .....	p. 40
7	Calculator .....	p. 33
8	Games .....	p. 38
9	IrDA .....	p. 64

### Edit

In standby mode:

**2 ABC** Press digit key (e.g. the 2).

**Calendar** Press.

**Edit** Press and scroll to application from the list.

or if key is not assigned:

**Set** Press.

- Assign the new **application** (e.g. **Games**) to the key.
- Special case **phone number**. Pick out a name from the address book for assignment to the key.

**Select** Confirm setting.

### Apply

Select a stored phone number or start a stored application (e.g. **Games**).

In standby mode:

**2 ABC** Press.

The assignment of the 2 is displayed instead of the left soft key:


**Games** Press **briefly**.

**OK** Start application.

or

**Games** Hold **down**.

or for function with a phone number:

**2 ABC**, then 

### Quick menu selection

All menu functions are internally numbered.

By entering these successive numbers, a function can be selected directly.

For example, compose new SMS:

**Menu** Press.

**3 DEF** For **Messages**.

**1** For **SMS**.

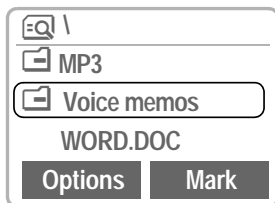
**1** For **Write Message**.

# Card-Explorer

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To organize your files on the MultiMediaCard™, you can use the Card-Explorer like a PC file manager.

**Menu** → **Surf/Fun** → **Card-Explorer**



The name of the current MultiMediaCard™ is shown at the top of the display, and a list of its folders and files beneath this.

Navigate through the list as usual using the control key:



Scroll up and down.



Highlight file/remove highlighting, open folder.



**Mark** Mark file to be worked on later.



Go back from folder.

## Deleting system files from the MultiMediaCard™

Files that your phone requires are stored on the MultiMediaCard™ in addition to your own data, such as addresses or music. System files that are not required (e.g. language variations) can be deleted to increase capacity.

Note that the function of the phone may be impaired by this, however. If you need to restore them, all system files can be found on the CD ROM (see p. 70).

## Card-Explorer Menu Options

Depending on whether you have selected a file or a folder, you are offered different functions.

<b>Start</b>	Start function, e. g.: *.mp3 = play music file. *.bmp = load graphic. *.vmo = play voice memo. *.mid = play ringers.
<b>Delete</b>	Delete all highlighted entries.
<b>Delete all</b>	Delete all entries. The PIN is requested.
<b>Rename</b>	Rename highlighted entry.
<b>New folder</b>	Create and name new folder (only one folder depth possible).
<b>Send via ...</b>	List of the transmission routes available.
<b>Sort</b>	Set sort criteria (alphabetical, type, time).
<b>Info</b>	Retrieve information on the selected file/folder.
<b>Drive Info</b>	Information on the inserted MultiMediaCard™.

## Fax/data mode using a PC

With the phone and a connected PC, you can transmit and receive faxes and data. Appropriate software for data communication/fax communication must be available on your PC and there must be a connection (see p. 69) to the phone.

Use of the fax and data services must be enabled for you. Depending on the network, there are various types of fax/data reception; contact your Service Provider for details.

### Fax/data

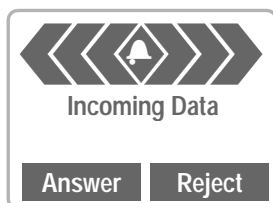
Your Service Provider must give you a phone number for telephony and a fax/data number.

### Sending

Start your PC communication program and enter the required destination phone number there.

### Receiving

The call is signalled by a special ring and its type (fax or data) is displayed.



Now start the communication program in your PC to receive the fax.

### Speech/fax

#### Send

**Menu** → **Setup** → **Fax/data mode** → **Send Sp/Fax**

Set this function on the phone **before** transmission so that you can switch from voice mode to fax mode.

During the connection establishment, the following soft key is now available for two seconds:

**Sp/Fax** Switch to the **Send Sp/Fax** mode.

**Fax** Switch to the fax mode; you may now send a fax.


#### Receive

(**Only** if a special fax number is not available).

Start the communication program in your PC and switch on the function on the phone **during** the call (the PC accepts the connection).

**Menu** → **Settings** → **Fax/data mode** → **Receiv.Sp/Fax**

#### End transmission

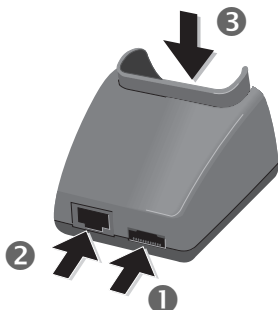
End transmission with PC software and/or press .

## Data exchange

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### Sync Station

You can establish a "fixed" connection between phone and PC via the Sync Station.



- Connect the mains power socket and the Sync Station ① with the plug-in power supply.

Without connected power supply unit, data transfer is not available!

- Connect the Sync Station ② by the connecting cable to the serial interface of the PC.
- Insert phone into the Sync Station ③ and press downward until it engages.



The contact message is displayed.

### IrDA (infra-red)

**Menu** → Setup → IrDA

If the infra-red interface integrated in the phone is used, the other device must also have such an interface. Align the infra-red windows with each other (max. distance 30 cm).

#### Edit

Activate the infra-red data transfer.

Indicator on the display:



If switched on.



During the transmission.

### Integral modem

The phone has an integral modem that is used for the data exchange via infra-red or cable.

### Technical data

#### Modem driver:

Conforms to V.25 command set.

#### Speed:

Conforms to the ITU-T standard V.22bis (transfer at 2.400, 4.800 and 9.600 bit/s).

#### Fax:

Fax at 2.400, 4.800, 7.200 and 9.600 bit/s.

Conforms to service class 2.

### Setting on the PC

To transmit data or faxes by means of communications software in the PC, you must install a standard modem in its operating system:

- Standard modem with 19.200 bit/s,
- Fax 9.600 bit/s maximum,
- Infra-red 115.000 bit/s.

## PC software

### Data Exchange Software

The Data Exchange Software creates another drive in the Windows® - Explorer.



#### Mobile

It allows you to conveniently control the many storage options of the MultiMediaCard™ in the phone from the PC.

#### Software installation

Insert the CD ROM into the drive of your PC and select Data Exchange Software. You are guided through the installation by dialog boxes.

#### Operating instructions

The Data Exchange Software offers detailed operating and help information. First select the drive icon, then, you can activate the help by mouse click on "?" in the menu bar.

#### Connection

Phone and PC must be interconnected via the Sync Station or cable.

#### File formats/folders

In the factory default, the MultiMediaCard™ holds the following folders. Ensure that the imported files are copied into the correct folders depending on format. If not, the data will be ignored.

Index	File type	System File
<b>Animation</b> Graphic display, when the phone is switched on.	*.bmp	
<b>Bitmap</b> Service Provider logo. May be replaced with your own graphic.	*.bmp	
<b>Language</b> Language versions of the display texts.	*.lng	<b>X</b>
<b>Mp3</b> Music files (mp3), Playlists (mpl).	*.mp3 *.mpl	
<b>Misc</b> Other files.	*.*	
<b>Ringing tone</b> Beeps and ringers.	*.mid	
<b>Sms</b> SMS messages (Out), SMS messages (In).	*.smo *.smi	
<b>T9 database</b> T9 language database.	*.ldb	<b>X</b>
<b>Address book</b> Address book.	*.adr	
<b>Voice memo</b> Voice memos created using the dictaphone.	*.vmo	
<b>Voice notice</b> Voice notices created and imported.	*.vmo	
<b>Help</b> Help texts.	*.wmlc *.wbmp	<b>X</b>

## PC software

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### N. B.

Note the following differences to Windows®-Explorer

- Files saved on the MultiMediaCard™ (e.g. MP3) cannot be started from the PC.
- The Data Exchange Software offers conversion routines that allow you to define whether a file is to be converted when it is moved/copied.  
e.g.: An SMS in "text" or a voice memo in "WAV".
- Data deleted from the MultiMediaCard™ are unrecoverable and cannot be retrieved from the Windows® Wastebasket.

### Online help

Refer to the help function of the program for further information.

#### Deleting system files from the MultiMediaCard™

Files that your phone requires are stored on the MultiMediaCard™ in addition to your own data, such as addresses or music. System files that are not required (e.g. language variations) can be deleted to increase capacity.

Note that the function of the phone may be impaired by this, however. If you need to restore them, all system files can be found on the CD ROM (see p. 70).

### Siemens QuickSync

This PC program can be used to synchronise addresses and appointments between your phone and Microsoft® Outlook® 98/2000.

#### Software installation

Insert the CD ROM into the drive of your PC and select Siemens QuickSync. You are guided through the installation by dialog boxes.

#### Operating instructions

Siemens QuickSync offers detailed operating and help information. You can activate this by mouse click on "?" in the menu bar.

#### Connection

Phone and PC must be connected via the Sync Station or cable.



## Display symbols

The following icons are displayed:

### Displays

	Strength of incoming signal.
	Battery being charged.
	Battery indicator.
	All calls are diverted.
	Ringer off.
	Short ringer (beep) only.
	Ringer only if caller is stored in the address book.
	Alarm is set
	Key lock active
	Transmission unencrypted.
	Phone numbers/names:
	SIM card.
	Phone memory.
	Restricted SIM card.
	No network access.
	Phone number 1 or 2 active
	Function active
	Unknown network function.
	Auto Call answering on.
	Address book.
	Indicates whether upper or lowercase letters are active.
	Text input <b>without</b> T9.
	Text input <b>with</b> T9.
	T9 word selection.

	WAP Online.
	WAP Offline.
	MultiMediaCard™ folder.
	Contact with Sync Station.
	Infra-red standby.
	Infra-red transmission.
<b>DATA</b>	Only data reception.
<b>FAX</b>	Only fax reception.
<b>Calendar icons</b>	
	Memo.
	Meeting.
	Call.
	Birthday.
	Voice memo.
<b>Soft keys</b>	
	Message received Press: Read.
	No more SMS messages can be received.
	Voice mail received Press: Play back.
	Unanswered call. Press: Display number.
	Store in address book.
	Store in archive.
	SIM services.
	Switch to handset.

## Siemens Service

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Worldwide support from Siemens Partners is only one phone call away or in the Internet.

**Internet:** <http://www.my-siemens.com>

Abu Dhabi .....	Siemens		
	Service Centre .....	02 71 35 00	
Australia .....	Siemens .....	18 00 62 24 14	
Austria .....	Siemens .....	05 17 07 50 04	
Bangladesh ...	Siemens .....	0 17 52 74 47	
Belgium .....	Siemens .....	0 78 15 22 21	
Brunei .....	incomm .....	0 21 51	
Bulgaria .....	Omnitel .....	02 73 94 88	
Czech Republic	Siemens .....	02 33 03 27 27	
China .....	Siemens .....	0 21 50 31 81 49	
Croatia .....	Siemens .....	016 10 53 81	
Germany .....	Siemens .....	0 18 05 33 32 26	
Denmark .....	Siemens .....	35 25 86 00	
Dubai .....	Siemens		
	Service Centre .....	04 69 97 20	
Egypt .....	Siemens .....	23 31 31 29	
Finland .....	Siemens .....	09 22 94 37 00	
France .....	Siemens .....	01 56 38 42 00	
Great Britain ...	Siemens .....	09 90 33 44 11	
Greece .....	Siemens .....	0 16 86 43 89	
Hong Kong .....	Siemens .....	22 58 36 36	
Hungary .....	Siemens .....	06 14 71 24 44	
Iceland .....	Smith & Norland .....	5 11 30 00	
India .....	Siemens .....	1 16 92 39 88	
India .....	Siemens .....	1 16 92 55 89 (ISDN)	
Indonesia .....	Dian Graha Electr. ..	02 14 61 50 81	
Ireland .....	Siemens .....	18 50 77 72 77	
Italy .....	Siemens .....	02 69 89 36 91	
Jordan .....	F.A. Kettaneh .....	0 79 55 96 63	
Kuwait .....	NGEEO .....	4 81 87 49	
Lithuania .....	Siemens .....	7 50 11 14	
Lebanon .....	F.A. Kettaneh .....	01 44 30 43	
Latvia .....	Siemens .....	8 22 39 15 55	
Luxemburg .....	Siemens .....	43 84 33 99	
Malaysia .....	Hello service .....	0 32 41 59 93	
Morocco .....	SETEL S.A .....	2 35 24 09	
Mauritius .....	Ireland Blyth .....	2 11 62 13	
Netherlands .....	Siemens .....	0 70 3 33 31 00	
Norway .....	Siemens .....	22 63 33 14	
Oman .....	Siemens		
	Service Centre .....	79 10 12	
Pakistan .....	Siemens .....	02 15 67 35 65	
Philippines .....	Siemens .....	28 14 98 88	
Poland .....	Siemens .....	08 00 22 09 90	
Portugal .....	Siemens .....	0 14 17 83 93	
Russia .....	Siemens .....	8 09 57 37 18 01	
Saudi Arabia ...	Arabia Electric .....	0 26 65 50 58	
Singapore .....	Siemens .....	8 45 48 18	
Slovakia .....	Siemens .....	07 59 68 22 66	
Slowenia .....	Siemens .....	06 11 74 63 33	
South Africa ...	Siemens .....	08 00 11 40 50	
Spain .....	Siemens .....	9 02 11 50 61	
Sweden .....	Siemens .....	0 87 50 99 11	
Switzerland ...	Siemens .....	0 12 12 00 90	
Taiwan .....	Siemens .....	02 25 18 65 04	
Thailand .....	Siemens .....	26 79 17 77	
Turkey .....	SIMKO .....	0 21 22 52 88 35	
Vietnam .....	Opticom .....	0 90 45 67 89	

## Troubleshooting

If problems occur when using the phone, try to find a solution here first. If the problem persists, check with your Service Provider or the Siemens Service.


Problem	Possible causes	Possible corrective measures
Phone cannot be switched on.	On/Off key pressed too briefly.	 Press On/Off key for at least two seconds.
	Battery empty	Charge battery. Check charging indicator in the display.
	Battery contacts dirty	Clean contacts.
	Battery in total discharge (charge icon no longer displayed).	Charge battery.
Standby time insufficient.	Frequent use of the organizer and games.	Restrict use if necessary.
	Speed search active.	Deactivate speed search (see p. 58).
	Display illumination on.	Switch off display illumination (see p. 58).
	Unintentional keystroke (illumination!).	Activate key lock.
Charging error (charge icon not displayed or flashing)	Battery totally discharged.	Charge battery.
	Temperature out of range: +5 °C to +40 °C	Make sure the ambient temperature is right, wait a while, then charge again.
	Contact problem	Check power supply and connection to the phone. Check battery contacts, clean them if necessary, then insert battery again.
	No mains voltage	Plug in to a different socket or check voltage.
	Charger defective	If the charger does not warm up, replace it.
	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 correctly inserted. The card carrier must engage (see p. 7).
	SIM card contacts dirty	Clean the SIM card with a dry cloth.
	SIM card with wrong voltage	Use only SIM cards with 3 Volt.
	SIM card damaged	Make visual check. Return SIM card to Service Provider.

# Troubleshooting

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Problem	Possible causes	Possible corrective measures
MultiMediaCard™ cannot be read.	Incorrect format, contacts dirty	Format MultiMediaCard™, clean contacts.
MultiMediaCard™ cannot be written to.	MultiMediaCard™ write-protected	Replace MultiMediaCard™.
No connection to the network	Signal weak	Move higher, to a window or open space.
	Outside GSM range	Check Service Provider coverage map.
	SIM card not valid	Use another phone to contact Service Provider.
	New network not authorized	Try manual selection or select different network (see p. 62).
	Network barring is set	Check barrings (see p. 62).
	Network overloaded	Try again later.
Phone loses network.	Signal too weak	Reconnection to another Service Provider is automatic (see p. 62). Deactivation and activation may speed this up.
Calls not possible	Dialling error	New network not authorized (see p. 62).
	2nd line set	Set other call line (see p. 61).
	New SIM card inserted	Check for new restrictions.
	Charge limit reached	Contact Service Provider or reset limit with PIN 2 (see p. 54).
Certain uses of the phone not possible	Call restrictions are set.	Barrings may be set by your Service Provider. Check barrings (see p. 61).
	The phone number has more than 20 digits.	Check phone number.
Entries cannot be made in address book.	MultiMediaCard™ not inserted	Insert MultiMediaCard™ with address book.
	Address book is full.	Delete address book entries (see p. 20).
Address book cannot be found.	MultiMediaCard™ has been changed or is not inserted.	Insert MultiMediaCard™ with address book.
Language cannot be selected.	File deleted from the MultiMediaCard™	Load language file from the CD ROM with Data Exchange software (see p. 9).
Transferred music files not found.	The files have not been copied into the MP3 folder.	Use the MultiMediaCard™ Explorer to move files to the MP3 folder (see p. 67).

## Troubleshooting

Problem	Possible causes	Possible corrective measures
Voice mail does not work.	Call diversion not set	Set call diversion (see page 54).
Message "  ".	Message store full	Delete a message to make room (see p. 43).
Message cannot be sent.	Service Providers do not support this service.	Check with your Service Provider.
	Phone number of the Service Centre is not set or is set wrongly.	Set Service Centre (see page 44).
	SIM card contract does not support this service.	Contact your Service Provider.
	Service Provider overloaded	Repeat message.
	Addressee does not have a compatible phone.	Check.
Function cannot be set.	Not supported by Service Provider or registration required.	Contact your Service Provider.
Charge counter does not work.	Charge pulse not transmitted.	Contact your Service Provider.
PIN error	Three wrong entries	Enter the MASTER PIN (PUK) provided with the SIM according to the instructions. If MASTER PIN or PIN has been lost, contact your Service Provider.
Phone code error	Three wrong entries	Contact Siemens Service (see page 72).
Service Provider code error	No authorization for this service.	Contact your Service Provider.
Too few/too many menu entries	Functions may have been added or removed by your Service Provider via the SIM card.	Check with your Service Provider.
No fax possible	Incorrect settings in the PC.	Check settings, see p. 68.
	No authorization for this service.	Contact your Service Provider.
	WrongWindows infra-red driver.	Replace Windows infra-red driver/contact your PC supplier.

### Damage

Severe shock	Remove battery and SIM and insert them again. Do not dismantle the phone.
Phone exposed to moisture	Remove and dry battery and SIM card. Dry immediately with cloth; do not heat. Dry connector contacts thoroughly. Stand unit upright in an air current. Do not dismantle the phone.

# Specifications/maintenance

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## Declaration of conformity

Siemens ICM D MP RD hereby declares that the mobile SL45 is in conformity with the essential requirements and other relevant provisions of Directive 99/5/EC.

A copy of the original declaration of conformity can be found at the following Internet address:

<http://www.siemens.com/sl45>

Complies with SAR values as per ICNIRP.

## Technical data

GSM class 4 (2 Watt)

Frequency range 880-960 MHz

GSM class 1 (1 Watt)

Frequency range 1710-1880 MHz

Weight: 88 g (not including MultiMediaCard™)

Dimensions: 105 x 44 x 17 mm  
(69 ccm)

Operating voltage: 3,6 V

Operating temperature: -10°C to 55°C

Standby time: 60 to 170 h.

Talk time: 1 to 4 h.

SIM card: 3 Volt

## Maintenance tips

The SIM card/MultiMedia 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 moisture and shocks. Do not expose your phone to direct sunlight.

Remove the battery if you are not going to use the phone for extended periods of time.

### Phone ID

The following details are important if phone or SIM card are lost. Please enter here:  
No. of SIM card ( on the card)

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

.....  
Service Provider's Customer Service  
number:

### If lost

If you lose your phone and/or SIM card, contact your Service Provider immediately to prevent misuse.

## General accessories

### Spare battery

L36880-N4801-A100 (Li-Ion, 540 mAh)  
L36880-N4801-A104 (Li-Ion, 1000 mAh)

### Travel charger

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

Like the standard charger, but with automatic voltage selection of 90-270 V for international use.

### Headset (PTT)

L36880-N4001-A123

Offers optimum freedom of movement with excellent call quality, on the move or in the car, including PTT (Push To Talk) key for convenient operation.

### Telephone case

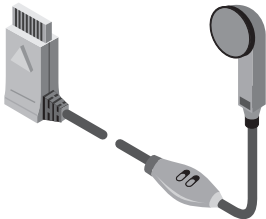
L36880-N4801-A103

Attractive protection from dirt and environmental influences.

### Data cable

L36880-N3101-A102

Functionality same as infra - red technology. Can be used on the RS 232 Port if the PC has no infra-red interface.



## Car Accessories

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The installation of accessories must not obstruct vehicle functions (e.g. airbag).

### Car Charger Cable

L36880-N4001-A108

This fits standard cigarette lighter sockets (12/24 Volt). Use with the car cradles.

### Car Kit Professional Voice

L36880-N4801-A107 (German)

L36880-N4801-A106 (English)



State of the art Voice Recognition System for safe and convenient communication. Includes all essential parts for installation in a car.

### Car Handset

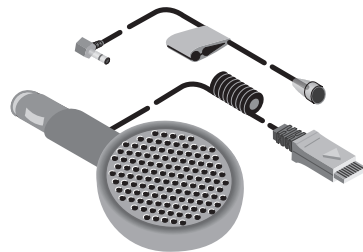
L36880-N3015-A123

Lighter handset e.g. for confidential calls together with Car Kit Comfort and the Car Kit Professional Voice.

### Car Kit Portable

L36880-N3015-A117

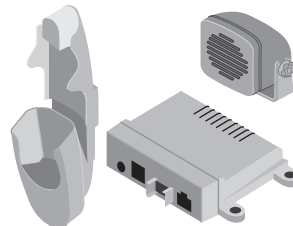
Hands-free kit with integral loudspeaker, microphone and auto talk feature. Simply plug in to the cigarette lighter socket; makes mobility between vehicles easy. Ideal for use with the car cradles.



### Car Kit Comfort

L36880-N4801-A101

Car Kit Comfort offers safe and relaxed communication whilst driving. High call quality thanks to full duplex and digital technology.







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