

	Contents	1	
Safety precautions	4	Calling	25
Antenna care	6	Dialing with number keys	25
Phone operation	6	End call	25
Electronic devices	7	Set volume	25
SAR (CF62)	10	Redial	25
Phone overview	12	If the number is busy	26
Display symbols	15	Accept call	27
Getting started	16	Reject call	27
Insert SIM card/battery	16	Handsfree	28
Charge battery	17	Swap between 2 calls	28
Switch on, off / PIN entry	18	Conference	29
Switch on/off	18	Call menu	30
Enter PIN	18	Babysitter	30
Emergency number (SOS)	18	Text entry	31
Switching on your phone for the		Default book	35
first time	18	Phonebook	36
Signal strength	19	<New entry>	36
General instructions	20	<Special books>	37
User guide	20	Call (search for an entry)	37
Without SIM card	20	Change entry	37
Menu controls	20	Address book	39
Standby mode	20	<New entry>	39
Standard functions	21	Change entry	40
Option menus	21	Call (search for an entry)	41
Highlighting mode	21	Addressbook menu	41
Security	22	Voice dialing	42
Codes	22	Groups	43
Preventing accidental		Control codes (DTMF)	44
activation	23	Records	45
My phone	24	Duration/charges	46
		Alarm clock	47

See also Index at the end of this User Guide

2 Contents

Voice message/mailbox	48	Connectivity	79
SMS	49	Security	82
Writing and sending	49	Network	84
Picture&sound	50	Accessories	86
SMS to group	51	Extras	87
Read SMS	52	Organizer	87
Lists	53	Calculator	91
SMS archive	54	Currency conv	92
SMS profiles	55	Stopwatch	92
MMS	56	Countdown	93
Writing/sending		Voice command	93
MMS messages	56	Camera (Accessories)	94
MMS options	58	SIM services (optional)	96
Receive MMS	58	Fast access key	97
Read MMS	59	Own stuff	99
MMS profiles	61	Send via...	100
CB services	62	PC Software	
Ring tones	63	(Data Exchange Software / GPRS	
Ringer setting	63	Modem Assistant)	101
Silent alert	63	Questions & Answers	102
Volume	63	Customer Care	106
Set ring tones	64	Care and	
Surf & fun	65	maintenance	108
Internet browser (WAP)	65	Product data	109
Games & more	68	Accessories	110
Setup	71	Quality	112
Profiles	71	U.S. FDA	113
Display	73	FCC/Industry Canada Notice ...	119
Dynamic light	75	Ten driving safety tips	120
Call setup	76	Intellectual property	122
Clock	78		

See also Index at the end of this User Guide

3 Contents

Menu tree	123
Index	129

Safety precautions

Information for parents

Please read the operating instructions and safety precautions carefully before use. Explain the content and the hazards associated with using the phone to your children.



Remember to comply with legal requirements and local restrictions when using the phone. For example in airplanes, at gas stations, hospitals or when driving.



Cell phones can interfere with the functioning of medical devices such as hearing aids or pacemakers. Keep at least 20 cm between phone and pacemaker. When using the cell phone hold it to the ear farthest from the pacemaker. For more information consult your physician.



The SIM card may be removed. Caution! Small parts like this could be swallowed by young children.



The mains voltage specified on the power supply unit (V) must not be exceeded. Otherwise the charging device may be destroyed.



The ringtone (p. 63), info tones (p. 64) and speakerphone talking are reproduced through the loudspeaker. Do not hold the phone to your ear when it rings or when you have switched on the speakerphone function (p. 28). Otherwise you risk serious, permanent damage to your hearing.



Only use original Siemens batteries (100 % mercury-free) and charging devices. Otherwise you risk serious damage to health and property: The battery could explode, for instance.



Do not open the phone. Only the battery (100 % mercury-free) or SIM card may be replaced. You must not open the battery under any circumstances. Any other changes to this device are strictly prohibited, as they will invalidate the type approval required for operation of the unit.

Important:



Please dispose of unwanted batteries and phones as permitted by the laws in your country.



The phone may cause interference in the vicinity of TV sets, radios and PCs.



Use only Siemens original accessories. This will avoid potential risks to health or property and ensure compliance with all relevant regulations.

Improper use will invalidate the warranty!
These safety instructions also apply to Siemens original accessories..

6 Safety precautions

Important

Read this information before using your wireless handheld phone.

As this mobile phone is equipped with a fixed (non-retractable) antenna, some paragraphs in the text below may not be applicable.

Antenna care

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

Phone operation

Normal position

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

Tips on efficient operation

For your phone to operate most efficiently:

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

Driving

Laws pertaining to the use of mobile phones while driving vary significantly from state to state and sometimes even from locality to locality within states. For example, some areas may allow persons to use their mobile phones only if they employ a hands-free device, and some areas may prohibit the use of cell phones entirely. Accordingly, Siemens recommends that persons check the laws for the areas in which they drive or will be driving. For areas where the use of mobile phones while driving is permitted, Siemens encourages persons to use their phones responsibly and to employ hands-free devices. Also, if using your phone while driving, please:

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

For vehicles equipped with air bags

An air bag inflates with great force. DO NOT place objects, including either installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

Electronic devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone.

Pacemakers

The Health Industry Manufacturers' Association recommends that a minimum separation of six inches (6") be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers:

- should ALWAYS keep the phone more than six inches from their pacemaker when the phone is turned ON;
- should not carry the phone in a breast pocket;
- should use the ear opposite the pacemaker to minimize the potential for interference;
- should turn the phone OFF immediately if there is any reason to suspect that interference is taking place.

Hearing aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider or your hearing aid manufacturer to discuss alternatives.

Other medical devices

If you use any other personal medical devices, consult the manufacturers of your devices to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

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

8 Safety precautions

ties may be using equipment that could be sensitive to external RF energy.

Vehicles

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

Posted facilities

Turn your phone OFF in any facility where posted notices so require.

Airplanes

FCC and Airline Regulations prohibit using your phone while in the air. Turn your phone OFF when requested by the airline.

Check and comply with the policy of your airline regarding the use of your phone while the airplane is on the ground.

Blasting areas

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

Potentially explosive atmospheres

Turn your phone OFF when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include: fueling areas such as gasoline stations; below deck on boats; fuel or chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or particles, such as grain, dust or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.

Emergency calls (SOS)

Your wireless phone can be used to make emergency calls. You can make an emergency call from the main display screen. Enter the local emergency number such as 911 and then press the  key.

This phone, like any wireless phone, operates using radio signals, wireless and landline networks, and user-programmed functions. Because of this, connections in all conditions cannot be guaranteed. Therefore, you should never rely solely on any wireless phone for essential communications (for example, medical emergencies). Remember - to make or receive any calls, the phone must be switched on and be used in a service area that has adequate signal strength. Emergency calls might not be possible on all wireless phone networks or when certain network services or phone features are in use. Check with local service providers regarding their network features.

Always make certain that your phone is properly charged before attempting any emergency calls. If you allow your battery to discharge, you will be unable to receive or make calls, including emergency calls. You must then wait a few minutes after the charging begins to place any emergency calls.

When making an emergency call, remember to give all of the necessary information as accurately as

possible. Remember that your wireless phone might be the only means of communication at the scene of an accident, therefore you should not terminate the call until given permission to do so.

RF EXPOSURE /SPECIFIC ABSORPTION RATE (SAR) INFORMATION

THIS SIEMENS CF62 PHONE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO ELECTROMAGNETIC FIELDS.

Your cell phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy established by the Federal Communications Commission (FCC) of the U.S. Government and by Health Canada. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines were developed and confirmed by independent scientific organizations through periodic and thorough evaluation of scientific studies*. The limits include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for cell phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit established by the FCC and by Health Canada is 1.6 W/kg**. Tests for SAR are conducted using standard operating positions accepted by the FCC and by Industry Canada with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is

determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and the manufacturer must certify to the FCC and Industry Canada that it does not exceed the limit established by each government for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body), reported to the FCC and available for review by Industry Canada. The highest SAR value for this Siemens CF62 when tested for use at the ear is

1.32 W/kg***

and when worn on the body[†] is

0.36 W/kg***

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Internet Association (CTIA) web-site at www.phonefacts.net or the Canadian Wireless Telecommunications Association (CWTA) website www.cwta.ca.

SAR information on this Siemens CF62 phone is on file with the FCC and can be found under the Display

11 SAR (CF62)

Grant section of <http://www.fcc.gov/oet/fccid> after searching on FCC ID **PWX-CF62**.

While there may be differences between the SAR levels of various phones and at various positions, all Siemens products meet the governmental requirements for safe RF exposure.

+ For body worn operation, this mobile phone has been tested and meets FCC RF exposure guidelines when used with a Siemens accessory designated for this product, where available, or when used with a carry accessory that contains no metal and that positions the handset at least 1.5 cm/0.59 in from the body. Use of other carry accessories may not ensure compliance with FCC RF exposure guidelines.

* The World Health Organization (WHO, CH-1211 Geneva 27, Switzerland), on the basis of the actual knowledge, does not see any necessity for special precautionary measures when using cell phones. Further information: www.who.int/peh-emf, www.mmfa.org, www.siemens-mobile.com.

** averaged over 1 g of tissue.

*** SAR values may vary depending on national requirements and network bands. SAR information for different regions can be found at siemens-mobile.com

Phone overview

① Call key

Dial phone number/name displayed/selected, take calls. Show last phone numbers dialed in standby mode.

② On/Off/End key

- Switched off: **hold down** to switch on.
- During a conversation or in an application: **press briefly** to finish.
- In menus: **Press briefly** to go back a level. **Hold down** to return to standby mode.
- In standby mode: **hold down** to switch off phone.

③ Navigation key

In lists, messages and menus:



Scroll up and down.



Function call (same function as right soft key (page 13).



Back one menu level.

During a call:



Start adjusting the volume.



Open Addressbook/Phonebook.



Open call menu.

In standby mode:



Voice control (hold down).



Open Addressbook/Phonebook.



Open menu.



GPRS Info.



① **Loudspeaker**

② **Color Display**

③ **Soft keys**

The current functions of these keys are shown in the bottom line of the display as **Text** /symbol (e.g., ).

④ **Input keys**

⑤  **Ringtone**

- **Hold down** in standby mode:
Switch all audible signals on/off (except alarm).
- **Hold down** on incoming call:
Switch off ring tone for this call only.

⑥ **Plug outlet**

For charger, headset, camera etc.

⑦ **Dynamic light**

Seven LEDs indicate visually different events and functions, as well as the current phone status, e.g. network searching, battery low, etc. (set, page 75).

You can determine the visual signal (LEDs) on the phone for certain functions and events. The LEDs then flash in different rhythms depending on the current function.



14 Phone overview

① Antenna

Do not obstruct the antenna unnecessarily.

② 2nd display

Displays time, incoming calls, screensaver and certain other information when the clamshell is closed.

In addition, symbols are used to indicate the following events:



Missed incoming call



Missed alarm



Missed appointment



Missed message

③ Clamshell

In standby mode, opening the clamshell switches off the 2nd display and switches on the color display. When the clamshell is closed, the color display is switched off and the 2nd display is switched on. An alarm tone sounds and a warning message is shown on the 2nd display. If the clamshell is not opened again within 3 seconds, applications are terminated.

When **Auto answer** (page 78) is activated a call can be answered by simply opening the clamshell.



Note

Your phone is supplied with protective films applied to the displays. **Remove these films before getting started**

In rare cases, the static discharge may cause discoloration at the edges of the display. However this will disappear within 10 minutes.

Display symbols

Display symbols (selection)

	Signal strength.
	Charging.
	Battery charge level, e.g. 50 %.
	Addressbook/Phonebook
	Call records
	Surf & fun/Service provider portal
	Alarm clock
	Messages
	Ring tones
	Extras
	Own stuff
	Setup
	Call(s) is/are forwarded.
	Ringer off.
	Short ring (beep) only.
	Ringtone only if the caller is stored in the Addressbook/Phonebook.
	Alarm set.
	Alarm clock activated.
	Keypad locked.
	Message memory full.
	No network access.

 Indicates whether upper or lower-case letters are active.

 Text input with T9.

 Activated and available.

 Registered.

 Temporarily interrupted.

 WAP online.

 WAP via GPRS online.

 WAP no network.

 Auto answer feature on.

Organizer symbols (selection)

 Memo

 Call

 Meeting

 Birthday

 Anniversary

Access with left soft key (selection)

 Message received.

 MMS notification received.

 Voice message received.

 Unanswered call.

Depending on the service provider, some of the symbols shown here may differ from those in the phone.

Getting started

Insert SIM card/battery

The service provider supplies you with a SIM card where all the important data for your line is stored. If the SIM card has been delivered in credit card size, snap the smaller segment out and remove any rough edges.

Press grooved area ①, then remove the cover downwards in the direction of the arrow ②.



- Place the SIM card in the slot with the contact surface facing **downwards**. Gently push the holder tab over the SIM card ③ (ensure the beveled corner is correctly positioned).



- Insert the battery sideways in the phone ④, then press downwards ⑤ until it clicks into place.



- To remove, press the retaining tab on the side of the battery, then lift the battery out.
- Place cover on phone and then push to the top edge, until it clicks into place ⑥.



Additional information

Please switch off your phone before removing the battery!

3V and 1.8V SIM cards are supported. Please contact your service provider if you have an older card.

SIM card problemspage 102

Charge battery

The battery is not fully charged when delivered. Plug charger cable into the bottom of the phone, plug power supply unit into a mains power socket and charge for at least **two hours**.



Display when charging is in progress



During charging.

If **Dynamic light** is activated for **Charging** (page 75) the middle two LEDs flash slowly to show that charging is in progress. When the battery is fully charged, these LEDs switch off.

Charging time

A flat empty battery will be fully charged after about 2 hours. Charging is only possible within a temperature range of +5 °C to +40 °C. If the temperature rises/falls 5 °C above/below this, the charge symbol flashes a warning. The mains voltage specified on the power supply unit must not be exceeded (Operating time, page 109).

Charge icon not visible

If the battery has been fully discharged, the charge icon is not immediately visible when the power supply unit is plugged in. It will appear after up to two hours. In this case the battery will be fully charged after 3-4 hours.

Only use the power supply unit provided!

Display while in service

Charge level display during operation (empty-full):



A beep sounds when the battery is nearly discharged. The charge level of the battery is only displayed correctly after an uninterrupted charging/discharging cycle. You should therefore **not remove the battery unnecessarily** and where possible **not terminate the charging process prematurely**.

Additional information

The power supply unit heats up when used for long periods. This is normal and not dangerous.

If the battery is removed for longer than 30 seconds, the clock will be reset.

Switch on, off / PIN entry

Switch on/off

Open the clamshell to access the keypad.



Hold **down**
On/Off/End key.

Enter PIN

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



Enter the PIN using the number keys. The characters **** appear to ensure nobody can read your PIN on the display. Correct errors with **Clear**.

OK

To confirm, press the right soft key. Logging onto the network will take a few seconds.

If the clamshell is closed before a PIN is entered, the phone is switched off immediately.

Additional information

Change PIN.....page 22
Clear SIM card barringpage 23
Clock settingspage 78

Emergency number (SOS)

Only to be used in real emergencies!

By pressing the soft key **SOS** you can make an emergency call on any network **without** a SIM card and without entering a PIN (not available in all countries).

Switching on your phone for the first time

Time/date

Set the clock to the right time once at start-up.

Yes

Press.



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

OK

Press. The time and date are updated.

Time zones

Set the time zone for your area.



Select the required time zone from list ...

Set

... and set it.

Phonebook or Addressbook

You can choose whether you want to use the **Phonebook** on the SIM card or the internal **Addressbook** by default.

You can copy the SIM card Phonebook to the Addressbook on the phone. Please **do not interrupt this procedure**. During this time **do not accept incoming calls**. Follow the instructions in the display.

To copy data on the SIM card at a later time, highlight entries (see page 21) and copy these with the Copy to  function (Phonebook options menu, page 38).

You can change the default book at any time (page 35).

Signal strength



Strong reception signal.



A weak signal reduces the call quality and may lead to loss of the connection. Change your location.

General instructions

User guide

The following symbols are used to explain operation:



Enter numbers or letters.



On/Off/End key.



Call key.



Press navigation key (left/right).



Press navigation key (top/bottom).



Displays a function.



Function dependent on service provider, may require special registration.

Without SIM card

If you switch on the phone **without** a SIM card you can still use some phone functions.



The functions are displayed.



Emergency, SOS.

Menu controls

The necessary steps to reach a function are shown in **condensed form** in this user guide.

For example,

To display call list for missed calls in condensed form:

Menu →  → Missed calls

This comprises the following steps:



Open main menu.



Select , then select the Missed calls function.



Confirm.

Standby mode

Very often function descriptions begin in standby mode.

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



Hold down the On/Off/End key to return to standby mode from any situation.

Standard functions

Option menus

Menu functions are made available in options menus. A selection of functions that occur frequently is shown here.

Options Open menu.

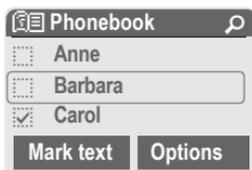
Edit	Open the entry to edit.
Capacity	Display available capacity.
View	Display entry.
Delete / Delete all	Delete entry/delete all entries after confirmation.
New entry	Create new entry.
Send MMS	Send entry as MMS message.
Send	Dial number or select from the Addressbook/Phonebook, then send.
Save	Store entry.
Sort	Set sort criteria (alphabetical, type, time).
Text input (page 31)	T9 preferred: Activate/deactivate T9 input. Input language: Select language for text.
Rename	Rename selected entry.

Highlighting mode

With some applications (e.g. Phonebook) one or more entries in a list can be highlighted to perform multiple functions at the same time.

Options Open menu.

Mark text Activate highlighting mode.



If an **unmarked** entry is selected, this can be highlighted:

Mark text The current entry is highlighted.

If a **highlighted** entry is selected, this can be unmarked:

Unmark Unmark the current entry.

Additional highlighting functions:

Mark all	Highlight all entries.
Unmark all	Remove highlighting from all marked entries.
Delete marked	All selected entries are deleted.

Security

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

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

Codes

PIN	Protects your SIM card (personal identification number).
PIN2	This is needed to set the charge detail display and to access additional functions requiring special SIM cards.
PUK PUK2	Key code. Used to unlock SIM cards after the wrong PIN has been entered repeatedly.
Phone code	Protects your phone. Must be entered at the first security setting.

Menu →  → **Security** → **Codes**
→ Select function

PIN control

The PIN is usually requested each time the phone is switched on. You can deactivate this feature but you risk allowing unauthorized use of the phone. Some service providers do not permit deactivating the control.

Change Press.



Enter PIN.



Confirm.

Change PIN

You can change the PIN to any 4- to 8-digit number you find easier to remember.



Enter **current** PIN.



Press.



OK Enter new PIN.



OK Re-enter new PIN.

Change PIN2

(Display only if PIN 2 is available).
Proceed as with **Change PIN**.

Menu →  → Security → Codes

Change phonecode

You define the phone code (4-8 digits) when you call up a phone code protected function for the first time (e.g. Babysitter page 30). It is then valid for all phone-code protected functions.

After the third unsuccessful attempt, access to the phone code and the functions that use it is denied. If this happens, please contact Siemens Service (p. 106).

Clear SIM card barring

If the PIN is entered incorrectly three times, the SIM card is barred. Enter the PUK (MASTER PIN), provided by your service provider with the SIM card, according to instructions. If the PUK (MASTER PIN) has been lost, please contact your service provider.

Additional information

Screensaverpage 73
Further security settingspage 82

Preventing accidental activation

Even if PIN control is deactivated (page 22) confirmation is required to switch on the phone.

This prevents the phone from being switched on accidentally, e. g. when carried in a pocket or whilst you are on an aircraft.



Hold down.

Please confirm switch on

OK

Cancel

OK

Press. The phone switches on.

Cancel

Press or take no action. The phone does not switch on.

Close clamshell:

The phone switches off.

My phone

Adjust your phone in the following ways to give it a personal touch and make it just the way you want it:

Ring tones

Assign individual ringtones to caller groups or for special events (p. 63).

Pictures

Assign individual images or photos to your Addressbook entries (page 39).

Animations

Choose a start-up and closing animation (p. 74).

Own greeting

Choose a personal greeting (p. 74).

Screensaver

Choose a digital clock or a personal picture (p. 73).

(Provider) Logo

Choose an individual picture (to be displayed in standby mode) (p. 73).

Wallpaper

Choose your own permanent background image for the color display (p. 73).

Applications

Download your own applications from the Internet (p. 70).

Color scheme

Select a color scheme for the user interface (p. 73).

Where do I get what?

Additional ring tones, logos, animations and Java applications are available from your service provider or directly from Siemens.

Service provider portal

Depending on your service provider, you may have direct access on your phone to its portal via menu options or bookmarks. Please contact your service provider for more information on these services.

Siemens City Portal

Additional ring tones, logos, animations and screensavers, as well as other applications, games and services, are available on the Internet at

www.siemens-mobile.com/city

Or you can download them directly via WAP:

wap.siemens-mobile.com

Here you will also find a storage service and a list of the countries in which the services are available.

Calling

Dialing with number keys

Open the clamshell to access the keypad.

The phone must be switched on (standby mode).



Enter number (always with area code/international dialing code).

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



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

End call



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

Set volume



Use the top of the navigation key to start adjusting the volume. Then press top/bottom to adjust the volume as required (only possible during a conversation).

If a Car Kit is used, its volume setting will not affect the usual setting on the phone.

Redial

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, then to dial ...



Press ...

If the number is busy

If the called number is busy or cannot be reached because of network problems several options are available (depending on the service provider). An incoming call or any other use of the phone interrupts these functions.

Either

Auto. redial

Auto dial Press. The phone number is automatically dialed ten times at increasing time intervals. End with:

 End key.

Or

Call back



Call back Press. Your phone rings when the busy number is free. Press the Call key to dial the number.

Reminder

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

Additional information

 Store phone no. in Address-book/Phonebookpage 36, page 39

 Call menu.....page 30

Handsfr. Handsfree.....page 28

Hide IDpage 76

Microphone off.....page 30

Voice dialingpage 42

International dialing codes

 Hold down until a "+" is displayed.

Country Press and select country.

Phone number memo

You can enter a phone number during a call. The person to whom you are speaking can hear these entries.

Accept call

The phone must be switched on (standby mode). An incoming call will interrupt any other use of the phone.

Open the clamshell.

And

Answer Press.

Or



Press.

A phone number transmitted by the network is displayed or the corresponding name if it is contained in the Phonebook (page 36) or Addressbook (page 39). A picture may also appear (settings page 39).

Additional information

When **Auto answer** (page 78) is activated a call can be answered by simply opening the clamshell.

Additional information

When **Auto answer** (page 78) is activated you must reject the call within 2 seconds. Otherwise it will be accepted automatically.

Warning!

Please make sure you have accepted the call before holding the phone to your ear. This will avoid damage to your hearing from loud ring tones.

Additional information

Missed calls.....page 45
Switch off ringer.....page 63

Reject call

Open the clamshell.

And

Reject Press. To forward call, see page 76.

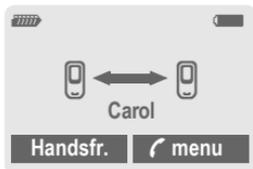
Or



Press **briefly**.

Handsfree

You can put the phone aside during a call. You can then hear the caller via the loudspeaker.



Handsfr. Activate speakerphone talking.

Yes Switch on.



 Use the navigation key to adjust the volume.

Handsfr. Switch off.

Warning!

Always switch off "speakerphone talking" before holding the phone to your ear!
This will avoid damaging your hearing!

Menu Call menupage 30

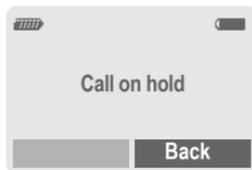
Swap between 2 calls

Establish a second connection

You can call another number during a call.

Menu Open call menu

Hold The current call is put on hold.



Now dial the new phone number (Addressbook/Phonebook )

When the new connection is established:

Menu Open call menu

Toggle Swap back and forth between the calls.

End current call

 Press. You are now connected to the caller.

Incoming calls during a call

You may need to register for this service with your service provider and set your phone accordingly (page 76). During a call, you may be advised that there is another call waiting. You will hear a special tone during the call. You have the following options:

- **Accept the waiting call**

Toggle Accept the waiting call, putting the current call on hold to do so.

To swap between the two calls, proceed as described above.

End call(s):

Press End key . According to the display: Return to held call? you have the following choice:

Yes You accept the held call.

No You also end the second call.

- **Reject waiting call**

Reject Press.

Or

Divert The waiting call is forwarded, for example, to the mailbox.

- **Accept the waiting call and end the current call**



End the current call.

Answer

Accept new call.

Conference

Call up to 5 parties one by one and link them together in a conference call. Some of the functions described may not be supported by your service provider or may have to be specially enabled. You have established a connection:

Menu

Open menu and select Hold. The current call is put on hold.



Now dial a new number. When the new connection is established ...

Menu

...open menu and select Conference. The held call is joined.

Repeat procedure until all participants are linked together (up to 5 participants).

End



All connections in the conference call are ended when the End key is pressed.

Call menu

The following functions are only available during a call:

 **Menu** Open menu.

Hold	(page 28)
Microphone on	If the microphone is switched off, the person on the other end of the line cannot hear you (muting). Also: Hold  down.
Handsfree	(page 28)
Volume	Adjust handset volume.
Conference	(see left)
Dur./charges	Display call duration and (if set, page 46) costs accruing during the call.
Send DTMF	(page 44)
Call transfer 	The original call is joined to the second one. For you, both calls are now ended.
Main menu	Access to main menu.
Call status	List all held and active calls (e. .g. conference call participants).

Babysitter

If this is active, only **one** number can be dialed.

Switch on

Menu →  → **Security** → **Babysitter**



Press.



Enter phone code.

The phone code (4- to 8-digits) is set by you and entered at the first security setting.

Please note this code

(see also page 22)!



Confirm input.



Press.



Select phone number from the Adressbook (page 40) or Phonebook (page 37) or enter new number.



Confirm "On".

Apply

To dial, **hold** down the right soft key.

Switch off



Hold down.



Enter phone code.



Confirm input.



Press.



Confirm "Off".

Text entry

Text entry without T9

Press number key repeatedly until the required letter appears. After a brief interval the cursor will advance. Example:



Press **once briefly** to type the letter **a**, twice to type **b**, etc.

Hold down to write the number.

Ä,ä,1-9

Umlauts and numbers are displayed after the relevant letters.

Clear

Press briefly to delete the letter before the cursor, **hold down** to erase the whole word.



Move the cursor (forwards/back).



Press briefly: Swap between *abc*, *Abc*, *T9abc*, *T9Abc*, *T9ABC*, 123. Status shown in top line of display.

Hold down: All input variants are displayed.



Press briefly: Special characters are shown.

Hold down: Open input menu.



Press once/repeatedly:

.,?!' " 0 - () @ / : _

Hold down: Writes 0.



Writes blank. Press twice = jumps a line.

Special characters



Press briefly. The symbols chart is displayed:

1)	¿	¡	_	;	!	?	,	.
+	-	"	'	:	()	/	*
¤	¥	\$	£	€	&	#	\	@
[]	{	}	%	~	<	=	>
	^	§	Γ	Δ	Θ	Λ	≡	Π
Σ	Φ	Ψ	Ω					

1) Line break



Navigate to characters.

Selection Press.

Input menu

With text input:



Press down. The input menu is displayed:

Text format (SMS only)

Input language

Mark text

Copy/Add

Text entry with T9

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

Activate, deactivate T9

Options Open text menu.

Text input Select.

T9 preferred
Select.

Change Activate T9.

Select Input language

Select the language in which you want to compose your message.

Options Open text menu.

Text input Select.

Input language
Select.

Selection Confirm, the new language is set. Languages with T9 support are marked with the T9 symbol.

Write a word using T9

Since the display changes as you proceed,

it is best if you finish a word without looking at the display.

Simply press the keys **once only** where the relevant letter is located. For "hotel", for example:

 press briefly for T9Abc
then type

 Press. A space ends a word.

Do not use special characters such as Ä but use the standard characters instead, e.g. A; T9 will do the rest for you.

Additional information

Set a period. A word is concluded if it is followed by a space. Within a word, a period represents an apostrophe or hyphen:

e.g. **provider.s** = provider's.



Go to the right. Ends a word.

**Press briefly:**

Swap between: **abc, Abc, T9abc, T9Abc, 123**. Status shown in top line of display.

Hold down:

All input modes are displayed.

**Press briefly:**

Select special characters (page 31).

Hold down:

Open input menu (page 31).

The word must be **highlighted**. Then press



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



again. Repeat until the correct word is displayed.

If the word you want is not in the dictionary, it can also be written without T9.



To add a word to the dictionary:

Learn Select.

The last suggestion is deleted and the word may now be entered without T9 support. Press **Save** to add it automatically to the dictionary.

T9 word suggestions

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

Correct a word

Words written **with** T9:



Move left or right, word by word, until the required word is **highlighted**.



Scroll through the T9 word suggestions again.

Clear

Deletes the character to the left of the cursor **and** displays a new word suggestion!

Words **not** written with T9:



Move letter by letter to the left/right.

Clear

Deletes the letter to the left of the cursor.



Letters are inserted at the cursor position.

Additional information

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

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.

Text modules

Text modules can be stored in the phone for adding to your messages (SMS, MMS).

Write text modules

Menu →  → Text modules

<New entry>



Select <New entry>.



Write text module.

Save

Press.

Accept the default name or give it a new name, then save with **OK**.

Use text modules



Write message (SMS, MMS).

Options

Open text menu.



Select Text modules.



Select text module from the list.



Confirm. The text module is displayed.

OK

Confirm. The text module is inserted in the message to the right of the cursor.

Default book

Menu →  → Select function.

Show entries

Entries in the standard directory (Addressbook or Phonebook) are shown for selection.



Select a name with the first letter and/or scroll.



The number is dialed.

<New entry>

Create new entry in standard directory.

Phonebook (see page 36)

Address book (see page 39)

Default book

Select the Phonebook (only one phone number possible per entry) or the Addressbook as your standard directory (default book). Your preference should be for the Addressbook, because more entries and functions (e.g. pictures, birthdays, several phone numbers per entry, etc.) are possible.



Select Phonebook or Address book.



Set as standard.

Groups

(see page 43)

Business card

Create your own business card. Send it as an SMS/MMS to another GSM-phone.

If no business card has been created yet, you will be asked for your input.



Move from field to field to enter your details. You will find explanations for these input fields on page 39 and page 40.

Last name:	E-mail 2:
First name:	URL:
Phone:	Company:
Phone/office:	Street:
Phone/cell:	Zip code:
Fax:	City:
Fax 2:	Country:
E-mail:	Birthday:

Save Press.

Additional information

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



Copy numbers from Addressbook/Phonebook.



See Addressbook menu (page 41).

Information numbers

(see page 37)

Phonebook

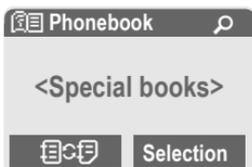
Entries in the Phonebook (on the SIM card) are managed separately from those in the Addressbook. You can, however, exchange data between the Phonebook and the Addressbook.

<New entry>

If the Phonebook is set as standard (Addressbook as standard, page 35):



Open Phonebook (in standby mode).



Select <New entry>.



Confirm.



Select input fields.



Fill in the input fields described below. The maximum number of characters available is displayed at the top of the screen.

Number:

Always enter phone number with area code.

Name:

Enter first and/or last names.

Group:

Phone numbers may be assigned to the VIP group.

Location

Default: SIM



Select the storage location, such as SIM or SIM protected (page 38).

Record no.:

Each entry is automatically assigned a record number. You can also dial using the record number (page 37).



Change the record number.

Save

Press to store the new entry.

Additional information

Temporary swap to Addressbookpage 39

Country International dialing code.....page 26

Text entrypage 31

<Special books>



Open Phonebook
(in standby mode).

<Special books>

Select

<Own numbers>

Enter "own" phone numbers in Phonebook (e.g., fax) for information. These numbers can be changed, deleted and also sent as an SMS message.

<VIP numbers>

Assign important numbers to group.

<SIM phonebook>

Entries stored in the Phonebook on the SIM card can also be used on other GSM phones.

<Protected SIM>



On special SIM cards, phone numbers can be stored in a protected location. PIN2 is required for editing (p. 22). See also function **Only**  (p. 82).

<Info numbers>



There might be phone numbers already saved in your Phonebook by your service provider. They may be used to call local or national information services or to use services offered by your service provider.

Call (search for an entry)



Open Phonebook.



Select a name with the first letter and/or scroll.



Number is dialed.

Call using record no.

A record number is automatically assigned to every new entry in Phonebook.



Enter record number.



Press.



Press.

Change entry



Select entry in Phonebook.



Confirm and select **Change**.



Select input field.



Edit.



Press.

Phonebook menu

The following functions are available, depending on the current situation. Some functions may be applied to the current entry as well as multiple highlighted entries:

Options Open menu.

View	Display entry.
Edit	Open the entry to edit.
New entry	Create new entry.
Copy to 	Copy entry/entries to the Addressbook.
Copy all to 	Copy all entries to the Addressbook.
Delete	Delete entry.
Delete all	Delete all entries after confirmation.
Mark	Activate highlighting mode; the entry currently selected is highlighted (page 21).
Mark all	Activate highlighting mode; all entries are highlighted (page 21).
Send...	(page 100)
Capacity	Display maximum and available capacity.

Location

An entry can be moved from one storage location to another.

SIM (Standard)

Entries stored in the Phonebook on the SIM card can also be used on other GSM phones.

SIM protected



On special SIM cards, phone numbers can be stored in a protected location. PIN2 is required for editing (page 22).

Activate with the function **Only**  (page 82).

Address book

The Addressbook can store up to 500 entries, each with a variety of telephone and fax numbers as well as additional address details. These entries are managed separately from those in the Phonebook in the phone memory. However, you can exchange data between the Addressbook and the Phonebook on the SIM card.

<New entry>

If the Addressbook has been selected as standard:



Open Addressbook
(in standby mode).



Confirm.



Enter first and/or last name.

Group

Entries can be organized in groups (page 43).
Select with **Change**.



Make further entries field by field.

Phone:	URL: (Internet address)
Phone/office:	Company:
Phone/cell:	Street:
Fax:	Zip code:
Fax 2:	City:
E-mail:	Country:
E-mail 2:	Birthdate: (page 40)

Picture

Selection Assign a picture to an Addressbook entry. It is displayed if you are called by the corresponding phone number (see page 99).

All fields

Selection Show all input fields if the display was previously reduced (see page 41, Addressbook menu, Field setup).

Save

Save the entry.

Additional information

<Groups> Group functions (page 43).
Birthday After entering the date of birth, the "reminder box" can be activated. You can now enter the time for the reminder. The phone will then remind you with an accoustic tone and also with a display one day before the birthday and on the birthday.



Copy data from another Addressbook entry.



Copy international dialing code from the list (page 26).



Temporarily switch to Phonebook.

Change entry

Open Addressbook (in standby mode).



Select required entry.



Press.



Open entry.



Make changes.

Options See below.



Save setting.

Right soft key:

When you jump from line to line while reading, the right soft key changes according to the data type. Press this key to activate the relevant application:

VoiceDial Voice dialing menu (page 42).

Link Visit URL (page 65).

Show Display respective picture.

Call (search for an entry)



Open Addressbook
(in standby mode).



Select a name with the
first letter and/or scroll.



The number is dialed.

If an Addressbook entry has several
numbers stored:



Select phone number.



The number is dialed.

Addressbook menu

Depending on the actual situation,
different functions will be offered.
These functions can be applied to
the entry currently selected as well
as to multiple selected entries:

Options	Open menu.
View	Display entry.
Edit	Open the entry to edit.
New entry	Create new entry.
Move to ...	Assign entry to a group.

Copy to SIM	Copy entry/entries with name and selected phone number to SIM card.
Delete	Delete entry.
Delete all	Delete all entries after con- firmation.
Mark	Switch on highlighting mode (page 21).
Mark all	Activate highlighting mode; all entries are highlighted (page 21).
Filter	Display only those Addressbook entries with the following criteria: <ul style="list-style-type: none"> • Voice dialing • E-mail • URL • Birthday • Bitmap
Business card	Define an entry as your own business card.
Voice dialing	Apply voice dialing to an entry (page 42).
Send...	(page 100)
Capacity	Display maximum and available capacity.
Field setup	Select visible input fields for new entry.

Voice dialing

Dial numbers by voice command. Up to 20 recorded names for voice dialing or voice commands (page 93) can be saved on the cell phone (not on the SIM card).

Record



Open Addressbook (in standby mode).



Select a name with the first letter and/or scroll.

Options Open menu.

Voice dialing

Select.



Choose phone numbers, if there are more than one.

Record Press.

Start Start recording.

A short signal sounds. Now speak the name. After a second beep and message in the display, **repeat** the name. A beep now confirms the recording, which is saved automatically.

Voice dialing menu

Depending on the actual situation, different functions will be offered.

Options Open menu.

Play Play back a voice command.

New Record a new voice command.

Delete Delete voice command from an entry.

Delete all After confirmation, delete all voice commands for this entry.

Apply voice dialing



Hold **down**. Start voice dialing (in standby mode).

Now speak the name. The number is dialed.

Additional information

Noisy environments may affect voice recognition. If attempt was unsuccessful, press the navigation key again and repeat the name.

Groups

Nine groups are specified in your phone to enable you to arrange your Addressbook entries clearly. You can rename seven groups.



Open Addressbook (in standby mode).

<Groups> Select (the number of entries is listed behind the group name).



Select group.



Open menu.

Rename group Select and give group a name.

Additional information

No group: Contains all Addressbook entries that do not belong to a group (name cannot be changed).

Received: Contains vCard Addressbook entries received by SMS (name cannot be changed).

SMS to group page 51

Group menu

Options Open menu.

Open Display all members of the selected group.

View Addressbook, page 40.

Options See page 41.

Group symbol Assign a symbol to a group, see below.

Rename group Change name of group.

Group symbol

Assign to a group a symbol that will appear on the display when one of its members calls you.



Select group.



Open menu.

Group symbol

Select.



Choose a symbol.

OK

Confirm.

Control codes (DTMF)

You can, for example, enter control codes (numbers) for remote access to an automatic answering machine while another connection exists. These entries are transmitted directly as DTMF codes (control codes).

 **Menu** Open call menu.

Send DTMF
Select.

Use the Phonebook

Store phone numbers **and** control codes (DTMF codes) in the Phonebook in the same way as a normal entry.



Enter phone number.



Press until a "+" appears in the display (wait for the connection to be established).



Enter DTMF codes (numbers).



If necessary, continue to wait three seconds at a time for the receiver to process the entries safely.



Enter a name.

 **Save** Press.

You may also store just the DTMF codes (numbers) and then send them during the call.

Records

Your phone stores the phone numbers of calls for convenient redialing.

Menu → 

Selection Press.



Select call list.



Confirm.



Select phone number.



Dial phone number.

Or

View Display information on the phone number.

10 phone numbers can be stored in each call list:

Missed calls 

The phone numbers of calls that you have received but not answered are stored for call back purposes.



Icon for missed call (in standby mode). Press the left soft key.

The phone number is also displayed if the network supports the "Caller ID" function.

Calls received 

Accepted calls are listed.

Calls dialed

Access to the last numbers dialed.



Fast access in standby mode.

Delete records

The records are deleted.

Call list menu

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

Options Open list menu.

Correct no. Load number to display and edit there if necessary.

Save no. to  Store entry in the Addressbook/Phonebook (see also below).

(For standard functions see page 21)

Duration/charges

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

Menu →  → Duration/charges

Select type of call:

- Last call
- All outg. calls
- All incoming calls
- Remain. units

Selection Display data.

Once displayed you can:

Reset Clear display.

OK End display.

Charge setting

Menu →  → Duration/charges
→ Charge setting

Currency 
(PIN2 prompt)

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

Charge/Unit 
(PIN2 prompt)

Enter the charges per unit/period.

Account limit 
(PIN2 prompt)

Special SIM cards allow you or the service provider to define a credit or a period after which the phone is barred for outgoing calls.

Change Press, enter PIN2.

Account limit
Switch on.



Enter number of units.

OK Confirm.

Then confirm the credit or reset the counter.

Auto display

Call duration and call charges are automatically displayed for each call.

Alarm clock

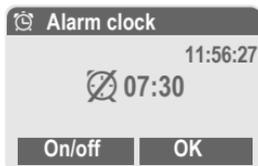
Menu → ((🕒))

The alarm will ring at the time set by you, even when the phone is switched off. When the clamshell is open the alarm is shown in the color display; when the clamshell is closed the alarm is shown on the 2nd display. If the phone has been switched off in **Airplane mode** the alarm is only shown on that display and is not indicated by sound or dynamic light.

Setting

Set the time for the alarm call (hh:mm).

OK Confirm settings.



On/off Activate/deactivate the alarm.

Additional notes



Alarm clock activated.



Alarm clock deactivated.



Screen display in standby mode: Alarm clock activated.

Voice message/mailbox

Menu →  → Message setup
→ Voice message

Most service providers offer a mailbox, in which a caller may leave a voice message for you

- if your phone is switched off or not ready to receive,
- if you do not want to answer,
- if you are making a phone call (and Call waiting is not activated, page 76).

If the mailbox is not included in the standard package, you must register for it and make the adjustments manually, if necessary. The following procedure may vary depending on the service provider.

Settings

The service provider supplies you with two phone numbers:

Save mailbox number

Call this phone number to listen to the voice messages left for you.

Menu →  → Message setup
→ Voice message

 Select number from Addressbook/Phonebook or enter/ change it.

OK Confirm.

Save call forwarding number

Calls are forwarded to this phone number.

Menu →  → Phone setup
→ Forward
→ e. g., Unanswered → Set



Enter phone number.

OK

Registration with the network will be confirmed after a few seconds (for call forwarding see page 76).

Listening to message

A new voice message can be announced as follows, depending on the service provider:



Icon plus beep.

Or



Notification via SMS.

Or

You receive a call with an automatic announcement.

Dial into your mailbox and listen to your message(s).



Hold **down** (if necessary enter mailbox number once only). Confirm with **OK** and **Mailbox** depending on your service provider.

SMS

You can transmit and receive very long messages (up to 760 characters) on your phone. They are automatically composed of several "normal" SMS messages (note higher charges).

Additionally, you can insert pictures and sounds in an SMS.

Depending on your service provider, e-mails and faxes can also be sent and e-mails received via SMS (change setting if necessary, page 55).

Writing and sending

Menu →  → **New SMS**



Text input using "T9" (page 32) allows you to create longer messages very quickly using just a few keystrokes.

Clear Press **briefly** to delete letter by letter, hold **down** to delete an entire word.



Press.



Dial number or select from the Address-book/Phonebook.

Groups SMS to group (page 51).

OK Confirm. The SMS is sent to the service center for transmission. The sent SMS is saved in the "Sent" list.

OK Back to create a text.

Displays in the top line:

 **SMS** 1 739
We start at 8.

 Abc	T9 active.
abc/Abc/ABC/ 123	Switch between uppercase/letters and digits.
SMS	Display title.
1	Number of SMS messages required.
739	Number of characters still available.

Additional information

Insert special characters.....	page 31
Insert pictures & sounds	page 50
SMS profile	page 55
Message type, Validity period, Service centre may be requested	page 55

Text options

Options Open text menu.

Save	Save composed text in draft list.
Picture&sound	Add pictures, animations and sounds to message (see following text).
Text modules	Insert text module (page 34).
Format	Line feed Small font, Medium font, Large font Underline Default alignm., Left, Right, Center Mark text (highlight text using navigation key)
Delete text	Delete the whole text.
Insert from 	Insert entry from Addressbook/Phonebook.
Send via ...	Select an SMS profile for transmission (page 55).
(For standard functions see page 21)	

Picture&sound

Send pictures and sounds with or without accompanying text.

The text input field opened ...

Options Open menu.



Select Picture&sound.

The menu contains:

Def animations

Def. sounds

Own anim.

Own pictures

Own sounds



Select section.



Confirm.

The first entry of the selected section is displayed.



Scroll to entry required.

For Def animations/Def. sounds:



The selection is added to the SMS.

For Own anim./Own pictures/Own sounds:



The selection is displayed/played back.



The selection is added to the SMS.

Additional information**EMS (Enhanced Messaging Service)**

You can use this service to send pictures and sounds in addition to (formatted) texts (page 50). Playback only occurs if the destination phone supports the EMS standard.

This can result in messages that are longer than a single SMS. If this happens, the individual SMSs are linked together in a single message.

SMS status report

If the message cannot be transmitted to the service center you are offered the chance to repeat the transmission. If this also fails, contact your service provider. The **Message sent** message only indicates transmission to the service center. This will then attempt to relay the message within a certain period.

See also **Validity period** (page 55).

WAP push

This function allows you to dial an Internet address (URL) directly from a received SMS. The highlighted URL is displayed after the highlighting. Pressing the Call key automatically starts the WAP browser and dials the highlighted Internet address.

SMS to group

You can send an SMS message as a "broadcast message" to a recipient group.

- Options** Open menu.
- Send** Select.
- Group** The list of groups is displayed.
-  Select group.
-  Open group and select all/individual entries
-  Transmission is started after confirmation.

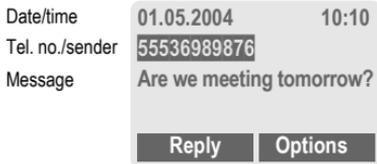
Read SMS



Arrival of new SMS announced on display.



To read the SMS press the left soft key.



Scroll through the message line by line.

Reply

See below.

Options

See page 54.

Reply options

Reply Open reply menu.

Write message	Create a new reply text.
Edit	Edit received SMS or add new text.
Answer is YES	Add YES to the SMS.
Answer is NO	Add NO to the SMS.
Call back	Add a standard text as a reply to the SMS.
Delay	
Thank you	

When the SMS has been edited, it can be saved or sent with **Options**.

Phone number/URL in SMS

Phone numbers **highlighted** in the text can be dialed or saved in the Address-book/Phonebook. It is also possible to select and call URLs (Internet addresses) directly and start an HTTP download. The HTTP profile (page 81) or WAP profile (page 68) must be set and activated.



Press to dial phone number/download.

Download ringtones and logos

You can receive links for downloading ringtones, logos, screensavers, animations and information about applications (page 68) with an SMS. Please highlight this link and start the download by pressing the Call key . Please ensure that the HTTP profile (page 81) and the connection (page 80) are configured.

**Message memory full**

If the message icon flashes, the SIM memory is full. **No** more SMS messages can be received. Delete or archive messages (page 54).

Lists

All SMS messages are archived in different lists, according to their status.

Inbox

Menu → → **Inbox** → **SMS**

The list of received SMS messages is displayed.

Draft

Menu → → **Draft** → **SMS**

The list of SMS messages not yet transmitted is displayed.

Unsent

Menu → → **Unsent** → **SMS**

The list of concatenated SMS messages not yet completely sent is displayed. Transmission can be restarted.

Sent

Menu → → **Sent** → **SMS**

The list of sent SMS messages is displayed.

List options

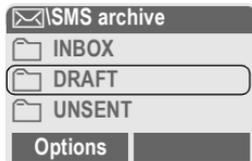
Each list offers different functions:

View	View entry.
Reply	Answer incoming SMS messages immediately.
Mark unread	Mark message as unread.
Save no. to 	Copy a highlighted phone number to Address-book/Phonebook.
Archive	Move SMS message to archive.
Send via ...	Select an SMS profile for transmission (page 55).
Picture&sound	Save pictures or sounds from the SMS.
(For standard functions see page 21)	

SMS archive

Menu →  → SMS archive

The list of SMS messages stored in the phone is displayed.



Different functions are available, depending on the context:

Archive options

See List options and Own stuff, page 99.

SMS profiles

Menu →  → Message setup
→ SMS profiles

Up to 5 SMS profiles can be set. The transmission characteristics of an SMS are defined in these. The pre-setting depends on the SIM card inserted.



Select profile.



Open menu.

Change sett.

Select.

Service centre Enter or change the service-center phone numbers as supplied by your service provider.

Recipient Enter the standard recipient for this transmission profile or select from Address-book/Phonebook.

Message type **Manual**
The message type is requested for each message.

Standard text

Normal SMS message.

Fax

Transmission via SMS.

E-mail

Transmission via SMS.

New

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

Validity period Select the period in which the service center is to try to deliver the message:

Manual, 1 hour, 3 hours, 6 hours, 12 hours, 1 day, 1 week, Maximum

*) Maximum period that the service provider permits.

Status report
! You will be notified whether the message was delivered successfully or not. This service may be subject to a charge.

Direct reply ! The reply to your SMS message is handled by your service center when Direct reply is activated (for information, please contact your service provider).

SMS via GPRS
! Send SMS automatically by GPRS (if available). Requirement: GPRS is activated (page 79).

Save aft. send Sent SMS messages are saved in the Sent list.

Activate profile



Select profile.

Activate Press to activate profile.

MMS

The **Multimedia Messaging Service** enables you to send texts, pictures (also photos) and sounds in a combined message to another mobile phone or to an e-mail address. All elements of an MMS message are merged to form a "slide show".

Depending on your phone's settings, you will receive either the complete message automatically or notification that an MMS has been saved on the network, giving sender and size details. You may then download it to your phone to read it.

Ask your service provider whether this service is available. You may need to register for this service separately.

Writing/sending MMS messages

An MMS consists of the address header and the content.

An MMS message can consist of a number of pages. Each page can contain text, a picture and a sound.

Texts can be written with the help of T9 (page 32).

Pictures and **graphics** that have been produced with accessories such as digital cameras can be attached in JPEG, WBMP or GIF format. See also **Own stuff**, page 99.

Music is sent and received in a MIDI file, single tones/sounds in an AMR file.

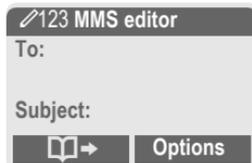
Navigation



Scroll line by line with the navigation key.



New MMS



Input fields:

To:  /  Phone number/ e-mail address of recipient(s).

Subject: Enter MMS heading (up to 40 characters).

Picture: Press **Insert**. The picture list is opened for selection (see also **Own stuff**, page 99).

Text: Press **Edit**. Write text using T9.

Sound: Press **Insert**.

Own stuff: You can now select a stored melody (see also page 99).

New ring tone: Record new tones, for sending by MMS only (see below).

Slide duration:

Enter length of display for individual pages (minimum 0.1 seconds).

New recording

The phone records via its microphone.

Record Start recording. The current recording duration and available time remaining are displayed.

Stop End recording.

Play Replay recording.

Save Save. To give the recording its own name, **Delete** the description.

OK Save.

Attach extra pages

Options Open menu.

New slide Select.

Additional information

Options MMS main menupage 58

Attach business card

Options Open menu.

Extras Select.



Scroll to **Business card**.



Attach business card.

Attach appointment

Options Open menu.

Extras Select.



Scroll to **Appointment**.



Import appointment from calendar.

Check MMS

Check the MMS message before sending it:

Options Open menu.

Preview slide

View a single page.

Prev. message

Play back the whole MMS in the display. Press key to cancel.

Send MMS.

Options Open menu.

Send Select.

Text options

Options Open menu.

Line feed	Start new line.
Save	Save MMS text.
Delete text	Delete the whole text.
Text modules	Insert text module (page 34).
(For standard functions see page 21)	

MMS options

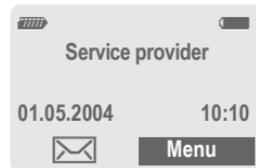
Different functions are available, depending on the context:

Insert line	Extend address field by one line.
Insert from	Insert number from Addressbook/Phonebook and appointments.
Save	Store MMS in the draft list.
New slide	Insert new page behind current one.
Delete item	Delete element on a page.
Delete slide	Delete page currently displayed.
Preview slide	Playback of complete page.
Slide list	Display pages available for selection.
Prev. message	Playback of complete MMS. Use any key to cancel.

Attributes	Date:, Size:, Priority: of the MMS must be shown.
Extras	Enter other features of MMS and attach Business card and Appointment.
(For standard functions see page 21)	

Receive MMS

 /  Indicates receipt/notification of an MMS.



Press the left soft key to read the MMS or notification.

Depending on the setting, (page 61) the

- complete MMS is received
- or the notification is opened. Press **Receiving** to receive the complete MMS.

Press any key to break off function.

Read MMS

Play Automatic presentation of the MMS. Use any key to cancel.



Scroll page by page with the navigation key.



Call up individual pages directly by number key.

Attachments

An MMS can contain several attachments.

Options Open menu.

Attachments

Select.



Select attachment.

Open The attachment is opened with the available application.

Save The attachment is saved under a name.

Pictures and sounds

You can save pictures and sounds individually, e.g. as a ringtone or background. Stop the MMS by pressing any key, or alternatively scroll to the required page.

Options Open menu.

Content Select. Proceed as for attachments above.

Other functions for editing MMS can be found under **Options**.

Lists

All MMS messages are saved in four different lists:

Inbox

Menu →  → Inbox → MMS

The list of MMS messages and notifications received is displayed. To receive an MMS subsequently, open notification and press **Receiving**.

Draft

Menu →  → Draft → MMS

The list of stored drafts is displayed.

Unsent

Menu →  → Unsent → MMS

The list of MMS messages not yet completely transmitted is displayed.

Sent

Menu →  → Sent → MMS

The list of sent MMS messages is displayed.

List options

Different functions are available, depending on the list/context.

View	Show MMS Info.
Play	Read MMS.
Reply	Reply to MMS immediately.
Receive MMS	Start incoming transmission of MMS when only notification is highlighted (page 61).
Receiv.all MMS	Start receipt of all new MMS messages.
Forward	Forward MMS to new recipients.
Mark unread	Mark MMS as unread.
Save no. to 	Copy phone number/e-mail address to Address-book/Phonebook.
Attributes	Information on MMS is displayed: <ul style="list-style-type: none"> • Sender • Arrival time • Subject • Size • Priority
Preview slide	Play back current page.
Slide list	Display pages available for selection.
Attachments	Open list of attachments received.

Content	Selection of page contents to be archived, such as picture or sound.
----------------	----------------------------------------------------------------------

Save	Store MMS in outbox list.
-------------	---------------------------

(For standard functions see page 21)

	MMS new		MMS read and answered
	MMS read		MMS read with despatched confirmation
	MMS new forwarded		Notification unread
	MMS sent		Notification read

MMS profiles

Menu →  → Message setup
→ MMS profiles

A number of MMS profiles can be selected. The transmission characteristics of an MMS are defined in these.



Select profile.



Open menu.

Change sett.

Select.

Expiry time Select the period in which the service center is to try to deliver the message:

Manual, 1 hour, 3 hours, 6 hours, 12 hours, 1 day, 1 week, Maximum*

*) Maximum period that the service provider permits.

Default prio. Send priority: Medium, High, Low

Def. duration Duration of display for an MMS page (standard requirement).

Retrieval Receive complete MMS or only notification of arrival.

Automatic

Receive complete MMS immediately.

Auto.homenet

Receive complete MMS immediately on home network

Manual

Receive notification only.

MMS relaysrv. MMS relay URL, e.g. <http://www.webpage.com>

IP settings **IP address:** Enter IP-address.

Port: Enter port number.

IP address: Enter IP-address.

Port: Enter port number.

These settings can be different from those of the WAP browser.

Connection profile: Select or set access profile (page 80).

Activate profile



Select profile.

Activate Press to activate profile.

CB services

Menu →  → Message setup
→ CB services

Some service providers offer information services (info channels, Cell Broadcast). If reception is activated, your **Topic list** will supply you with messages on the activated topics.

Receive CB

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

Read new CB

All unread CB messages are displayed.

Topic list

You can add topics to this personal list from the topic index (**Topic index**). 10 entries may be input using the channel number (ID) and, if required, the name itself.

New topic Select.

- If no topic index (**Topic index**) is available, enter a topic with its channel number and confirm with **OK**.
- If the topic index has already been transmitted, select a topic and activate with **Options**.

Channel: Select

Options Open list menu.

If a topic is selected in the list you can view it, activate/deactivate it, edit it or delete it.

Auto display

CB messages are displayed in standby mode, longer messages are scrolled automatically. This display can be activated/deactivated for all or only new messages.

For "full page view":

 press, then press **View CB**.

Topic index

Activate/deactivate transmission of topic index.

CB languages

Receive Cell Broadcast messages in only one specific language or in all languages.

Displays



Topic activated/deactivated.



New messages received on the topic.



Messages already read.

Ring tones

Menu →  → Select function.

You can set the tones to your needs.

Ringer setting

On/Off Activate/deactivate all tones.

Beep Reduce ring tone to a short signal (beep).

Additional information



Hold down in standby mode to switch ringtone on/off.



Display: Beep.



Display: ringer off.

Silent alert

To avoid the disturbance caused by a ringing phone, you can activate the vibrating alert function as an alternative. The vibrating alert can also be activated in addition to the ring tone (e.g. in noisy environments). This function is deactivated when the battery is being charged or when the phone is connected to the Car Kit.

The vibrating alert is activated if the highest volume is set for the ring tone. This is to remind you **not to hold the phone to your ear when the phone is ringing** in order to avoid damaging your hearing.

Volume

Set different volumes for different types of call/functions.



Select:

Calls

Messages

Alarms

Applications

Press. The ringtone is played.



Set volume.



Confirm.



Additional information

Please make sure you have accepted the call before holding the phone to your ear. This will avoid damage to your hearing from loud ring tones.

If two independent phone numbers are registered on your phone, you can set different volumes for them (page 84).

Set ring tones

Menu →  → Select function.

Here you can set the ring tone separately for the call types/functions. You can download new ring tones from the Internet via **Download new**.

Call tone, Group call tones, Other call tone, Alarm tone, SMS/MMS tone

Here you can set the ring tone separately for the stated functions.

More tones...

Here you can set the ring tone separately for the following functions:



Select:

CBS tone, Start melody, End melody, Opening tone, Closing tone, Call screening, Key tones, Minute beep, Information tones



An already assigned ring tone is played back or the list of possible ring tones is displayed.



Select ring tone.



Confirm.

Opening tone

Set signal to acknowledge opening the clamshell.

Closing tone

Set signal to acknowledge closing the clamshell.

Call screening

Only calls from numbers that are in the Addressbook/Phonebook or in a predefined group are signaled. Other calls are only displayed. If you do not accept these calls, they are forwarded to your mailbox (if set, page 76).



Screen display in standby mode:
call screening is activated.

Key tones

You can set the type of acoustic key tone:

Click or Tone or Silent

Minute beep

During a call, you will hear a beep after each minute as a reminder of the time elapsed. The recipient does not hear this beep.

Information tones

Set service and alarm tones.

Max/Normal/Off

Set volume or deactivate tones.

Surf & fun

Internet browser (WAP)

Get the latest information from the Internet that is specifically adapted to the display options of your phone. In addition, you can download games and applications to your phone. Internet access may require registration with the service provider.

Menu →  → Select function.

Home



A connection is established with the Internet provider's portal (may be specified/configured by default by your service provider).

Bookmarks

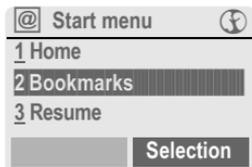
List of URLs for fast access.

Internet



The browser is activated as soon as you call up the function. (For settings, see the browser menu, **Setup, Start with...**, page 67).

For example the start menu appears:



Select required function.

Selection Confirm.

Start menu

Home	The connection to the provider's portal is set up. This may be defined or pre-set by your service provider.
Bookmarks	List of URLs stored in the phone for fast access.
Resume	Call up recently visited pages that are still in the memory.
Inbox	Inbox for messages from the WAP server (WAP push).
Profiles	The list of profiles is displayed for activation/ setting (page 67).
Exit browser	Close browser.

End connection



Hold **down** to close the browser. After GPRS/CSD lingertime (page 68) the connection will also be ended.

Your Internet browser is licensed by:



OPENWAVE™



66 Surf & fun

Browser menu

If the browser is active, the menu can be activated as follows:



Press.

or



Confirm.

More ...	See below.
Exit browser	Close browser and clear down connection.

Home	The connection to the provider's portal is set up. This may be defined or pre-set by your service provider.
Bookmarks	Up to to 50 URLs are stored in the phone for fast access.
Resume	Call up most recently visited page still in the memory.
Go to...	Enter URL to access WAP page directly, e.g. wap.siemens-mobile.com Select from list of most recently visited WAP addresses.
Reload	Reload page.
Inbox	Inbox for messages from the WAP server (WAP push).
Disconnect	End connection.
Save picture	Save picture(s) on the page shown.

More ... (in menu)

Profiles	The list of profiles is displayed for activation/ setting (page 67).
Setup	<p>Font size</p> <p>Protocol parameters</p> <ul style="list-style-type: none"> • Push • Push can force online • Timeout for unanswered network requests <p>Security</p> <ul style="list-style-type: none"> • Connection prompt • Secure prompt • Current certificate • CA certificates • Private key PINs • Encryption <p>Start with...</p> <ul style="list-style-type: none"> • Start menu • Browser menu • Home • Resume • Bookmarks
Reset	Restart session and clear cache.
About Openwave	Display browser version.

Additional information

	Browser menu.
	Offline.
	Online.
	GPRS Online.
	No network.
	Select special characters, such as @, ~, \, see page 31.
	Press repeatedly for: .,?!' " 0 - () @ / : _

WAP profiles

Menu →  → Internet → Profiles

Preparation of the phone for WAP
Internet access depends on the current service provider:

- The settings have already been implemented by the provider. You can start immediately.
- Access profiles for a number of providers have already been set. Then select and activate profile.
- The access profile must be set manually.

If necessary, check with your service provider for details.

Activate WAP profile

You can change the current profile each time you access the Internet.



Select profile.

Selection Activate. The current profile is selected.

Set WAP profile

Up to 5 WAP profiles can be configured (may be barred by your provider). The entries may vary depending on the service provider:



Select profile.

Edit Open to make settings.

Profile name
Enter/change name.

WAP param. 

IP address:	Enter IP address.
Port:	Enter port number.
Homepage:	Enter homepage, if not set by the service provider.
GPRS linger time	Time in seconds after which a connection should be ended if no input or data exchange takes place.
CSD linger time	
Connection profile:	Select or set access profile (page 80).

Save Save settings.

Games & more

Download games and other applications. You are advised about relevant applications on the Internet. Once you have selected a game or application you can start downloading it immediately. Then you can use the application. Most applications include instructions.

Additional information

To download applications, the WAP profile (page 67), HTTP profile (page 81) and access (page 80) must be configured.

Depending on your service provider, access and functionality may differ from the description given here.

Sounds (ringer)/
silent alert on/offpage 63

Applications and games can be found at:

wap.siemens-mobile.com

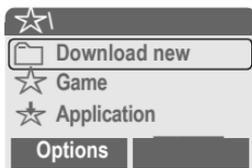
or on the Internet at:

www.siemens-mobile.com/city

Games and applications

Applications and links that are already stored on the phone are located under:

Menu →  → Games & more



Different functions are available depending on which entry is highlighted:

Download new

Internet The selected Internet page is loaded.

Use game/application offline

Selection Executable application can be started immediately.

Load game/application online

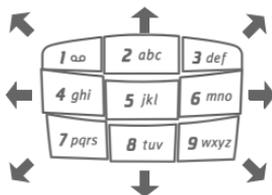
Selection Description file only; application still has to be loaded.

Receive information

If information required by an application already installed is received via **SMS**, for example, the  symbol appears in the display. Pressing on the left soft key starts the relevant application and the information is processed.

Additional information

The following key control is used for many games (virtual joystick):



Games & More options

Edit and manage your applications and folders:

Start	Start application.
Download	An application is downloaded from the Internet and installed.
New folder	Create and name new folder.
Move	Move applications between folders.
HTTP profile	The list of profiles is displayed for activation/setting (page 80).
Reinstall	Reinstall an application (update).
More info	Download further instructions via Internet (WAP), if available.
Details	Show details of the application/folder (name, version, size, path, producer, date).
Sort	Set sort criteria (alphabetical, time).
(For standard functions see page 21)	

Additional information

You can use WAP to download applications (e.g. ringtones, games, images, animations) from the Internet. Downloading or running applications will not affect or change the software already installed on your Java™-enabled mobile phone. Siemens excludes all warranty and liability claims in respect of or in connection with any applications subsequently installed by the customer and any software not included in the original delivery package. This also applies to functions enabled subsequently at the customer's instigation. The purchaser bears sole risk for the loss of, damage to, and any defects arising in, this device or the applications and for any direct damage or consequential damage of whatever nature resulting from the use of this application. For technical reasons, such applications and subsequent enabling of certain functions are lost in the event of the device being replaced/ re-supplied and may be lost if it is repaired. In such cases, the buyer is required to download or release the application again. Please ensure that your phone has Digital Rights Management (DRM) so that individual applications downloaded via WAP are protected against unauthorized reproduction. These applications are then exclusively intended for your phone and cannot be transferred from this even to create a backup. Siemens does not warranty, guarantee or accept any liability for the customer's ability to download or enable applications again or to do so free of charge. Where technically possible, back up your applications to a PC using Siemens Data Exchange software (page 101).

Setup

Profiles

Several settings can be stored in a phone profile in order, for example, to adapt the phone to the surrounding level of noise.

- Five standard profiles are provided with default settings. They can be changed however:

Normal envi.

Quiet environ.

Noisy environ.

Car Kit

Headset

- You can set two personal profiles (<Name>).
- The special profile **Airplane mode** is permanent and cannot be changed.

Menu →  → Profiles

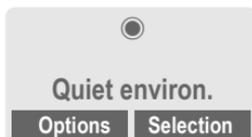
Switch on



Select default profile or personal profile.



Switch on profile.



Profile Setup

Edit a default profile or create a new personal profile:



Select profile.



Open menu.

Change sett.

Select.

The list of available functions is displayed:

Ringer setting page 63

Volume page 63

Dynamic light page 75

Brightness page 75

Silent alert page 63

Call screening page 64

Information tones page 64

Key tones page 64

Illumination page 74

Large letters page 74

When you have finished setting a function, return to the profile menu where you can change a further setting.

Additional information

- Calling the list in standby mode:



Press briefly.



Profile list is displayed.

- The active profile is marked with .

Profile options

Options Open menu.

Change sett.	Change profile settings.
Copy from	Copy settings from another profile.
Rename	Change individual profile (except default profiles).

Car Kit

If a Siemens original Car Kit is used (page 110), the profile is activated automatically as soon as the phone is placed in the cradle (page 86).

Headset

If a Siemens original headset is used (page 110), the profile is activated automatically as soon as the headset is in operation.

Airplane mode

Sound and dynamic light for all alarms (appointments, alarm clock) are deactivated. Alarms are only indicated on the display. This profile **cannot be modified**. The phone will switch off if you select this profile.

Switch on



Scroll to Airplane mode.



Switch on profile.

A security prompt must be confirmed.

The phone switches itself off automatically.

Normal mode

When you switch on your phone again, the previously set profile will be reactivated automatically.

Display

Menu →  → Display
→ Select function.

Language

Set the language of the display text. When "automatic" is set, the language of your service provider is used. If a language you do not understand happens to be set, the phone can be reset to the language of your service provider with the following input (in standby mode):

*#0000# 

Text input

See also page 32.

T9 preferred

Activate/deactivate intelligent text entry.

Input language

Select language for text entry. Languages with T9 support are marked with the T9 symbol.

Wallpaper

Set background graphic for display.

Logo

Choose picture to be displayed instead of the provider logo.

Color scheme

Select color scheme for the entire user interface.

Activate color scheme



Select color scheme.

Selection Activate.

Load color scheme

Up to three color schemes can be included in the selection list in places 2 to 4. See also **Own stuff** (page 99).

Options Open menu.

Load Select color scheme.

Screensaver

The screensaver shows a picture in the 2nd display when a period set by you has elapsed. The function is ended by opening the clamshell. With code protection, the PIN must be entered when the clamshell is opened.

Enable	Activate/deactivate screensaver.
Style	Digital clock, Picture or Animation.
Preview	Display screensaver on the color display.
Timeout	Set period after which the screensaver starts.
Code Protection	Phone code protected termination of screensaver.

Additional information

You can also receive individual logos, screensavers and animations by SMS (page 49), MMS (page 56) or WAP (page 65). See also *My phone* (page 24).

Start up animation

Select animation to be shown when phone is switched on.

Shut down animation

Select animation to be shown when phone is switched on.

Greeting

Enter greeting to be displayed after an animation when phone is switched on.



Switch on/off.



Delete old text and create new text.



Confirm changes.

Large letters

You can choose between two font sizes for the display.

Illumination

The illumination for the color display and the 2nd display can each be set independently.

Color display

Set display light brighter/darker. The darker the setting the longer the standby time.



Press the navigation key repeatedly to adjust up or down.

2nd display

Switch the display light on or off.

Contrast

Set color display contrast.



Press the navigation key repeatedly to adjust up or down.

Dynamic light

Menu →  → Dynamic light
→ Select function.

The dynamic light consists of 7 LEDs at the edge of the keyboard (page 13).

It is used to indicate visually different events and functions as well as the current phone status (e.g. network searching, low battery, etc.).

You can determine the visual signal (LEDs) on the phone for certain functions and events. The LEDs then flash in different rhythms depending on the current function.

You can also create your own flash rhythms.

Show light effects

This enables you to switch the visual signal on and off centrally for all functions and events.

Play demo

All flash rhythms are displayed in sequence. End with **Cancel**. Show next flash rhythm with **Next**.

Brightness

This enables you to set the brightness for the visual signal.



Press the navigation key repeatedly to adjust up or down.



Confirm.

Calls, Group calls, Other calls

You can assign different flash rhythms to the relevant call types and to each group.

During call

Select a flash rhythm to flash during the call.

Alarms

Select a flash rhythm to signal an alarm or appointment.

More light...

Set the flash rhythm for other functions or events:

Incoming messages

Missed event

During sending

Opening clamshell

Closing clamshell

Net search

Screensaver

Low battery

Switch on

Switch off

Charging

Special case Low battery:

Only one flash rhythm can be switched on or off for that event. When it is switched on, low battery is indicated by the top two LEDs flashing slowly. When battery is low, no flash rhythm can flash for other events.

Call setup

Menu →  → Call setup
→ Select function.

Hide ID

When you make a call, your phone number can be displayed on the recipient's display (depending on the service providers).

To suppress this display, you can enable the "Hide ID" mode for all subsequent calls or just for the next call. You may need to register separately with your service provider for these functions.

Call waiting

If you are registered for this service, you can check whether it is set and you can activate/deactivate it (see also page 29).

You can specify when calls are to be forwarded to your mailbox or other numbers.

Set up call forwarding (example):

The most common condition for call forwarding is, for example:

Unanswered



Select **Unanswered**.
(Includes the conditions **Not reachable**, **No reply**, **Busy**, see below)



Press.

Set



Select.

Enter the phone number to which the caller will be forwarded (If not already entered)

Or



Select this phone number from the Address-book/Phonebook or via **Mailbox**.

OK

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

All calls

All calls are forwarded.



Symbol in the top line of the display in standby mode.

Not reachable

Calls are forwarded if phone is switched off or out of range.

No reply

A call is only forwarded after a delay that is determined by the network. The period can be set to a maximum of 30 seconds in 5 second intervals.

Busy

Call forwarding occurs if a call is in progress. If **Call waiting** is activated (page 76), you will hear the call waiting tone during a call.

Status check

You can check the current forwarding status for all conditions.

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



Condition set.

Not set.



Display if status is unknown (e.g. with a new SIM card).

Clear all

All forwarding settings are cleared. 

Additional information

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

Check condition or delete it

First select the condition.

Selection Press.

Check status
Select.

Or

Delete Select.

Reactivate call forwarding

The last forwarded call has been stored. Proceed as with "Set call forwarding". The stored phone number is displayed. Confirm phone number.

Edit phone number

Proceed as with "Set call forwarding". When the stored number is displayed:

Delete Press. The phone number is deleted.

Enter new number and confirm.

Menu →  → Phone setup
→ Select function.

Clamshell

Set to allow calls to be answered by opening clamshell.



Select Auto answer.



Switch on or off.

Minute beep

During a call, you will hear a beep after each minute as a reminder of the time elapsed. The recipient does not hear this beep.

Clock

Menu →  → Clock
→ Select function.

Time/date

The clock must be set to the right time once at start-up.

Change Press.



First enter the date (day/month/year), then the time (12 hours, including seconds).

Additional information

If the battery is removed for longer than 30 seconds, the clock will be reset.

Setting date format:

DD: Day (2-digit)

MM: Month (2-digit)

YYYY: Year (4-digit)

Time zones

Set the time zone for your area.



Select the required time zone from list ...

Set ... and set.

Options Open menu.

Set	Set the time zone.
Rename	Assign a new name to time zone.
DST	Activate/deactivate daylight savings. When daylight savings is activated a sun icon appears on the display.
Auto time zone 	The time zone is switched automatically to local time by the network.
View	Display the selected time zone with name and date.

Menu →  → **Clock**
→ Select function.

Time format

Select 24h or 12h.

Date format

DD.MM.YYYY or MM/DD/YYYY

Buddhist year

Switch to the Buddhist year (not on all phone models).

Show clock

Activate/deactivate time display in standby mode.

Automatic switch off

The phone switches off each day at the set time.

Activate:

Time Press.
 Enter time (24-hour-clock).

OK Confirm.

Deactivate:

Manual Press.
OK Confirm.

Connectivity

Menu →  → **Connectivity**
→ Select function.

GPRS



(General Packet Radio Service)

GPRS is a new method for transmitting data faster in the mobile network. Use GPRS and if the network has sufficient capacity, you can be connected to the Internet permanently. Only the actual transmission time is charged by the network operator. Some service providers do not yet support this service.

Yes / No Switch GPRS function on/off.

Shown in display:

	Activated and available.
	Registered.
	Connection briefly lost.
GPRS ▶	Download.

GPRS info

Display of information on connection status.

Authentication



Activate or deactivate encrypted WAP dial-up (CSD connections only).

Menu →  → **Connectivity**
→ Select function.

Data services

For the **MMS**, **WAP** and **HTTP** applications, at least one connection profile must be set up and activated.

The default for the phone depends on the respective service provider:

- The settings have already been implemented by the provider. You can start immediately.
- Access profiles have already been created by your provider. Then select and activate profile.
- The access profiles must be configured manually.

If necessary, check with your service provider for details. Current settings for each service provider can be found on the Internet at **www.siemens-mobile.com/customer care** in the FAQ section.



Select profile.



Open menu.

Change sett.

Press, then:

For CSD (Circuit Switched Data)

CSD settings

Select.

If it has not been preconfigured, enter the data or the required settings (your service provider will supply you with information on this):



Press.

Dial-up number	Enter ISP number.
Call type:	Select ISDN/analog.
Login name:	Enter login name.
Password:	Enter password (shown as a series of asterisks).
DNS1 / DNS 2:	(optional).

Save

Save settings.

For GPRS (General Packet Radio Service)

GPRS settings

Select.

You can activate GPRS for the profile and change the settings here. You cannot start to use GPRS until you have activated GPRS on your phone (page 79).



Press.

APN:	Enter service provider's address.
Login name:	Enter login name.
Password:	Enter password (shown as a series of asterisks).
DNS1 / DNS 2:	(optional).

Save Save settings.

Menu →  → **Connectivity**
→ Select function.

HTTP profile



Select profile.

Fax/data

Fax/data mode using a PC

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

Fax and data services must be enabled by the service provider. There are variations in fax and data reception, depending on the network. Please ask your service provider about this.



Set the required mode.

Send voice/fax



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

While the connection is being set up, the following function is available for two seconds:

Voice/fx Switch to **Send voice/fax** mode; you may now send a fax.

Rec voice/fax

(**Only** if no special fax or data number is available).

Start the required communication program on your PC and select the function on the phone **during** the call (the PC will take over the connection).

End transmission

End transmission with PC software and/or press .

Rec fax/data



Your service provider has given you a number for telephoning and a fax/data number.

The call is signaled by a special ring-tone and the type of call (fax or data) is displayed.

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

Security

Menu →  → Security
→ Select function

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

Babysitter

(Phone-code protected)

Only **one** phone number can be dialed. To do this, hold **down** the right soft key (page 30).

Only



(PIN2 protected)

Dialing options are limited to SIM-protected phone numbers in the Phonebook. If only area codes are entered, relevant phone numbers can be added to these manually before dialing.

If the SIM card does not support PIN2 input, the **whole** Phonebook can be protected with the phone code.

Last 10 only



(Phone-code protected)

Only phone numbers from the call list of "dialed numbers" (page 45) can be dialed. This list can be filled with phone numbers specifically for this purpose.

First delete the call list, then create "new entries" by dialing phone numbers and canceling before the connection is established.

Codes

PIN control, Change PIN, Change PIN2, Change phonecode, (page 22).

This SIM only



(Phone-code protected)

The phone can be connected to a SIM card when the phone code is entered. Unless the phone code is known, the phone will not operate with a **different** SIM card.

If the phone is to be used with a different SIM card, enter the phone code when requested.

Barring



Barring restricts the use of your SIM card (this is not supported by all service providers). You need a 4-digit password, which your service provider will give you. You may need to be registered separately for each barring.

All outgoing

All outgoing calls except emergency numbers are barred.

Outgo internat

(International outgoing)

Only national calls can be made.

Out.int.x home

(International outgoing without home country)

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

All incoming

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

When roaming

You do not receive calls when you are 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 deleted. A password which the service provider will give you is needed for this function.

Menu → → Security
→ Select function

Phone identity

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

Alternative input in standby mode:
***#06#**

Software version

Display the software version for your phone in standby mode:

***#06#**, then press **Info**.

File system**Format**

The file system memory (p. 99) is formatted and **all** data that has been saved is deleted, including e.g. ringtones, images, games etc.

Clean up

The file system is defragmented.

Master reset

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

Alternative input in standby mode:
***#9999#**

Network

Menu →  → Network
→ Select function

Line

This function is only displayed if it is supported by the service provider.
Two separate phone numbers must be registered on the phone.

Select line

Select the currently used phone number.

 Display current phone number.

Protect selection

(Phone-code protected)

You may limit usage to one phone number.

Additional information

Special settings may be made for each phone number (e.g., ringtones, call forwarding etc.). To do this, first switch to the required phone number. Change phone number/ connection in standby mode:

 Press.

Line 1 Press.

Network info

The list of GSM networks currently available is displayed.



Indicates forbidden service providers (depending on SIM card).

Auto network selection

Activate/deactivate, see **Choose network** below. If "Automatic network" is activated, the next network on the list is dialed in ranking order of your "preferred networks". Alternatively, select a different network manually from the list of the available GSM networks.

Choose network

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

Preferred network

Enter your preferred service providers here for when you leave your home network (e.g. if there are price differences).

Your service provider is displayed:

List Display list of preferred networks.

Create new entry:

- Select blank line, press **Entry**, then select another entry from the list of service providers and confirm.

Change/delete entry:

- Select entry, press **Change**, then select another entry from the list of service providers and confirm, or press **Clear**.

Additional information

If you are outside your home network, your phone automatically dials another GSM network.

If the signal strength of the preferred network is inadequate when you switch on the phone, the phone may register in a different network. This can change when the telephone is next switched on or if another network is selected manually.

Band selection

Select either GSM 900, GSM 1800 or GSM 1900.

Fast search

When this function is active, network reconnection is speeded up (and standby time is reduced).

Menu →  → Network
→ Select function.

User group

Depending on your service provider, you can create groups with this service. These can have access to internal (company) information, for example, or special tariffs apply. The details can be clarified with your service provider.

Active

Activate/deactivate function. "User group" must be deactivated for normal phone use (phone code, page 22).

Select group

You can select or add groups other than preferred groups (see below). Code numbers for the groups are obtained from your service provider.

Outgo. access

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

Preferred group

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

Accessories

Menu →  → Accessories
→ Select function.

Car Kit

Only in combination with an original Siemens speakerphone Car Kit (page 110). The Car Kit profile is activated automatically as soon as the phone is placed in the cradle.

Auto answer

(Factory default: off)

Calls are accepted automatically after a few seconds. Eavesdropping is possible!



Shown on the display.

Automatic settings:

- Permanent illumination: switched on.
- Key lock: switched off.
- Charging the phone battery.
- Auto. activation of the Car Kit profile when phone is placed in cradle.

Headset

Only in conjunction with a Siemens original headset (page 110). The profile is automatically activated when the headset is plugged in.

Auto answer

(Factory default: off)

Calls are accepted automatically after a few seconds (except when the ringer is switched off or set to beep). You should therefore be wearing the headset. Eavesdropping is possible!

Automatic setting

Accept call with Call key or PTT key (Push To Talk), even when the key-lock is activated.

Auto answer

If you do not notice that your phone has accepted a call, there is a danger that the caller may eavesdrop.

Closing the clamshell

When used in conjunction with a Car Kit or a headset, dialing or incoming calls will **not** be canceled by closing the clamshell.

Extras

Note

Depending on your service provider, the menu Extras may also include Internet and Games & more. See the Surf & fun (page 65) column for further functions.

Organizer

Calendar

Menu →  → Organizer → Calendar

You can enter appointments in the calendar. Time and date must be set for the calendar to work correctly (page 78).

Monthly overview

Tu Oct 2004						
			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	29	30	31
Info			Agenda			



Page between days.



Press briefly to page between weeks, **hold** down to page between months.

Calendar days in bold face indicate appointments on this day.

Agenda

Agenda

Call up from the monthly overview.

Tue 05.10.04	
<New entry>	
 20:00 Movies	
 13:00 Garage	
View	Options

Appointments for each individual day are shown in the agenda in chronological order.

Options See page 89.

Appointments

Menu →  → Organizer → Appointments

All appointment entries are displayed in chronological order. If an alarm is missed it appears in the list of missed appointments (page 90).

Enter new appointment



Press.

Type:

Change

Press repeatedly to select the required type:

88 Extras

**Memo**

Text input for description.

**Call**Enter phone number.
Shown with alarm.**Meeting**

Text input for description.

**Birthday**

or

**Anniversary**

Enter name and date.

Then make further entries
field by field.**Description:**Description of the nature of the
appointment.**Date:**

Date of appointment.

Time:

Time of appointment.

Alarm:

Activate alarm.

Enter start time for
the alarm **before** the
appointment.

Select from:



Minutes, Hours, Days.

Recurrence:Select a timeframe for
repeating the appoint-
ment:**No, Daily, Weekly, Monthly, Annual.**Enter a parameter for
repeating:**Forever, Until, Events
(number)**If **Weekly** is selected, cer-
tain weekdays can be
highlighted.Save the appointment.
The alarm is automatically
activated.**Alarm**When the set date and time are
reached there is an audible and a
visual alarm.Alarm type **Memo/Meeting**: The text
is shown in the display.Alarm type **Call**: The phone number
is displayed and can be dialed imme-
diately.Alarm type **Birthday** and **Anniversary**:
you will be notified one day before
the event and on the birthday/ anni-
versary itself.The alarm stops for
5 minutes.

The alarm is stopped.

Additional information

Alarms set are shown in the display as follows:

-  Alarm clock.
-  Appointments.

An alarm sounds even when the phone is switched off (the phone does not switch to standby mode). To deactivate it, press any key.

Set alarm tonepage 63
Clockpage 78

Agenda/appointments options

Options Open menu.

Different functions are provided, depending on the calendar item selected or the current organizer function:

Activate/Deactivate	Switch alarm on/off.
Filter	Select feature: Memo, Call, Meeting, Birthday, All. All entries with the selected feature are displayed.
Delete until	Delete all entries prior to a certain date.
(For standard functions see page 21)	

Additional information

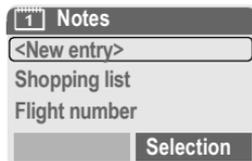
For additional calendar settings, see below under **Calend. setup** (page 91).

-  Appointment with alarm activated.
-  Appointment with alarm deactivated.
-  Appointment with repeated alarm activated.
-  Appointment with repeated alarm deactivated.

Notes

Menu →  → **Organizer** → **Notes**

Use your phone as a notepad.

**New entry**

Press.



Enter text, up to 150 characters.

Options Open menu.

Save Store entry.

Text entry options**Options** Open menu.

Line feed Enter line break.

Delete text Delete note.

(For standard functions see page 21)

View entry

Select entry.

View

Open note.

Notes list options**Options** Open menu.**Confidential** Protect note with phone code (see also "Additional information").

(For standard functions see page 21)

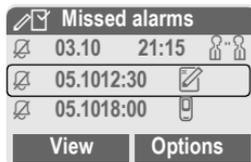
Additional information

Protect confidential data using a phone code (page 82). Please note that it is possible for confidential notes to be read from the phone when connected to a PC.

We recommend that you do not store any passwords (PIN, TAN etc.) as notes.

Missed appointments**Menu** → → Organizer
→ Missed alarms

Events with an alarm to which you have not reacted are listed for reading.



In addition, when the clamshell is closed, missed appointments are shown on the 2nd display.

Missed alarms Options**Options** Open menu.

(For standard functions see page 21)

Time zones

Set the time zone for your area.



Select the required time zone from list ...

Set

... and set it.

Options

Open menu.

Set	Set the time zone.
Rename	Assign a new name to time zone.
DST	Activate/deactivate daylight savings. If daylight savings time is activated, a sun is shown on the display.
Auto time zone	The time zone is switched automatically to local time by the network.
View	Display the selected time zone with name and date.

Calend. setup

Menu → → Organizer
→ Calend. setup

Start of week

You can set which weekday is listed first on the left in the monthly and weekly overviews.

Calculator

Menu → → Calculator



Enter number (up to 8 digits).



Select calculator function.



Repeat procedure with other numbers.



Result is displayed.

Calculator functions

. = + - * /	Press right soft key repeatedly.
±	Toggle between "+" and "-".
%	Convert to percentage.
↓	Save the number displayed.
↑	Retrieve the number saved.
e	Exponent (max. two digits).

Special keys:



Set decimal.



Add (press **down**).

Currency conv

Menu →  → Currency conv

Calculate the exchange rates. You can enter three currencies.

If no currency has yet been entered, press **OK** for the first input.

Otherwise:

Options Open menu.

New entry Select and enter symbols for the currencies.

OK Confirm.

 Enter exchange rate.
Save with

Convert

Any combination of calculations can then be carried out between the currencies entered.

 Select a currency combination.

Selection Confirm and enter amount (up to 12 digits).

 Result is displayed.

Repeat Another conversion using different data.

Calculator functions

 Press right soft key repeatedly.

 Retrieve a saved number from the calculator.

Stopwatch

Menu →  → Stopwatch

Two intermediate times can be recorded and saved.

 Start/stop.

 Intermediate time.

Start Start stopwatch.

Reset Reset.

StopwatchOptions

Options Open menu.

Save Save recorded time(s) and assign a name.

Reset Reset stopwatch.

Stopwatch list Display the stored times.
View Display the stored times and intermediate times.

Rename Rename stored entry.

Delete Delete entry.

Delete all Delete list.

Countdown

Menu →  → Countdown

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

- Set** Set period of time.
- Start** Start counter.
- Stop** Interrupt counter.
- Change** Change period of time.
- Reset** Reset counter to starting time.

Voice command

Menu →  → Voice command

Functions can be started by a voice command. Up to 20 voice recordings can be saved in the phone for voice dialing or voice commands (not on the SIM card!).

Record

Menu →  → Voice command

A list with the available functions is displayed.



Select a function.

- Record** Press.
- Yes** Confirm selected function.
- Start** Start recording.

A short signal sounds. Now say the command corresponding to the function and **repeat** it when prompted.

Apply



Hold **down** (in standby mode).

A short signal (beep) sounds and a prompt appears in the display. Now say the function.

Additional information

Noisy environments may affect voice recognition.

Voice command options

Options Open menu.

Playing Play back the recording belonging to the entry.

New sample Start new recording for an entry.

(For standard functions see page 21)

Camera (Accessories)

You can use the phone to immediately view, save and send photos by MMS that you have taken with the "QuickPic" camera (page 111). A flashlight is integrated into the camera.

Pictures can be taken in two different formats:

- Low resolution:
QQVGA 160x120 pixels, memory size up to 6 KB for sending as an MMS image (page 95, page 56).
- High resolution:
VGA 640x480 pixels, memory size for one picture up to 40 KB – e. g. for further editing on a PC. To allow the picture to be viewed on the phone display, a QQVGA picture is created for every VGA picture.

Camera Press (in standby mode).

Or

Menu →  → Camera

First the number of shots still available is shown (depends on resolution chosen).

OK Confirm.

The last picture taken is shown.



Scroll through photos.

Picture

A shot (especially in high resolution) requires a few seconds to be processed.

Take Press. You will hear an advisory tone when the exposure time has expired. The photo is shown on the display and saved automatically.

Flashlight

Switch on flashlight first:

Options Open menu.

Use flash Select.

Then take photo with flashlight:

Load **Press** briefly. The flashlight is charged (battery capacity at least approx. 30 %).

Take Press. The photo is taken with the flash. You will hear an advisory tone when the exposure time has expired. The photo is shown on the display and saved automatically.

Additional notes

Photograph without flash when the function Use flash is switched on:

Load Hold **down** The charging process for the flash is omitted and a shot is taken immediately without flash.

Sending a photo by MMS

You can easily send a photo as an MMS immediately after taking it.

Options Open menu.

Send via MMS

Select.

Selection Press and select the desired resolution.

Skip Press to skip recording a melody (page 57).

The MMS Editor starts. Simply complete the following input fields:

To:  /  Telephone number / e-mail address of the recipient(s).

Subject: Title of the MMS (max. 40 characters).

The MMS is now ready to send:

Options Open menu.

Send Select.

Camera menu

Options Open menu.

Use flash	Use flashlight (only when camera is plugged in)
Full screen	Switch to full screen mode.
Delete	Delete current picture after confirmation.
Delete all	Delete all pictures after confirmation.
Send via MMS	Sending a photo by MMS (low resolution only).
Info	Display number of shots still available.
Setup	Set resolution: Low High & Low Set display: Always use full screen? Yes or No.

Additional notes



Toggle between reduced/full screen.



Switch on display illumination with any number key.

If the memory is full or the camera is not attached:

Delete Delete photo currently shown.

SIM services (optional)

Menu →  → SIM services

Your service provider may offer special applications such as mobile banking, share prices, etc. via the SIM card.

If you have such a SIM card, the SIM services will appear in the main menu under "Extras" or directly above the left soft key.



Symbol for SIM services.

Where there are several applications, these are displayed in a SIM services menu.

With the SIM services menu, your phone is ready to support future additions to your service provider's user package. For further information, please contact your service provider.

Fast access key

The left soft key and the number keys 2 to 9 (speed dialing numbers) can each be assigned an important phone number or a function. The phone number can then be dialed or the function started at the touch of a button.

Additional information

The left soft key may be preconfigured by the service provider (e.g. access to 'SIM Services' or direct access to the Internet portal). It may not be possible to modify this key assignment.

The left soft key may sometimes also be replaced automatically by   to access a new message.

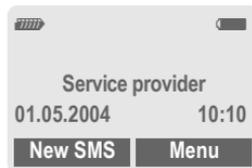
Key assignments available (for example):

Internet (WAP)	page 65
Phone number	page 39
Alarm clock	page 47
New SMS	page 49
Illumination	page 74
Hide ID	page 76
Missed calls	page 45
Calls received	page 45
Own stuff	page 99

Left soft key

Assign a function/phone number to the left soft key for fast access.

Change



New SMS Press briefly.

Change Scroll to application in the list.

- Assign a new application (e.g., Internet) to the soft key.
- Special case **Phone number**. Choose a name from the Address-book/Phonebook (e.g., "Carol") to assign to the soft key.

Selection Confirm setting.

Apply

The setting "Carol" is used here as an example only.

Carol Hold down.

Speed dialing keys

Number keys 2 to 9 can be used as speed dialing numbers for fast access. For available key assignments see page 97. Number key 1 is reserved for the mailbox number (page 48).

Change

In standby mode:



Press a number key (2-9).
If the key is not yet assigned:

Set

Press.

Or

New SMS

Press **briefly** (if **New SMS** is assigned, for example).

Change

Scroll to application in the list.

Special case **Phone number**.
Choose a name from the Addressbook/Phonebook for assignment to the key.

Special case **Bookmarks**.
Scroll to a URL in the bookmark list for assignment to the key.

Selection

Confirm setting.

Apply

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

In standby mode:



Press **briefly**.

The assignment of the number key 3 is displayed above the right soft key e. g.:

New SMS Press **down**.

Or simply



Hold **down**.

Menu speed dialing

All menu functions are numbered internally. A function may be selected directly by entering these numbers in sequence.

Example:

Menu

Press.



for **Records**



for **Missed calls**

Own stuff

The following folders are provided for organizing your files: Pictures, Sounds, Color scheme, Data inbox.

Menu → 

Files and folders are displayed.

You can scroll through these lists using the navigation key:



Scroll up and down.



Jump back from a folder.



Open folder or execute file using related application

Index structure

The file system assigns special folders to different data types.

Folders	Contents	Format
Pictures	Images, Animations, Camera photos (page 94)	*.bmp *.bmx *.bmz *.gif *.jpg *.jpeg *.png
Sounds	Ringtones, melodies, sounds	*.amr *.mid *.wav
Color scheme	Color schemes	*.col
Data inbox	Business cards, appointments	*.vcf *.vcs

The following folders are also included in Sounds or Pictures:

Download new	This enables you to download new files from the Internet.
New ring tone	This enables you to record your own ringtones (in Sounds folder only).
EMS	Files that can be received via SMS/MMS.

Own stuff menu

Options Open menu.

Open	Open folder.
Delete	Delete current entry.
Delete all	Delete all entries.
Rename	Rename highlighted entry.
Send via...	Send highlighted entry.
Attributes	Display information on file or folder selected.
Capacity	Display the capacity used and available.

Send via...

The phone provides you with several methods for sending text and data via different transmission routes. Access to these functions is provided in the option menu of the relevant application. These menu items can vary depending on the application.

Send via... → Via SMS

Phonebook and Addressbook entries as well as appointments can be sent as an SMS to other suitable cellular phones.

With larger items, several SMS messages may be generated and sent as a concatenated message.

Send via... → SMS as text

Business cards, Addressbook entries or appointments can be sent as text messages by SMS (this may result in several being generated).

Send via... → Via MMS

The MMS address field is opened.

PC Software (Data Exchange Software / GPRS Modem Assistant)

By using Data Exchange Software and GPRS Modem Assistant from Siemens, you extend the functionality of your cell phone together with a Windows® PC. To benefit from these PC tools, your cell phone and PC are connected to each other by a data cable (Accessories, page 111). To ensure perfect data transmission it is necessary to close all running applications on the phone side and make certain that no calls disturb the data exchange.

Data Exchange Software and GPRS Modem Assistant can be downloaded from the Internet:

www.siemens-mobile.com/cf62

Data Exchange Software (DES)

The Data Exchange Software collaborates with Windows® Explorer like an extra drive and mirrors the contents of the phone's file system (page 99). You can access phone data from PC applications and synchronize files from your PC by simple drag & drop.

GPRS Modem Assistant

If you want to use your cell phone as a GPRS modem, start the GPRS Modem Assistant application on your PC for easy connection to the Internet. All configurations for your provider are pre-set, so you just have to choose from a list to get connected – wherever you are.

Questions & Answers

If you have any questions on the use of your phone, you can contact us at **www.siemens-mobile.com/customercare** around the clock. As further help we have listed some frequently asked questions and answers below.

Problem	Possible causes	Possible solution
Phone cannot be switched on.	On/Off key not pressed long enough.	Press On/Off key for at least two seconds.
	Battery flat.	Charge battery. Check charging indicator in the display.
	Battery contacts dirty.	Clean contacts.
	See also below under "Charging error"	
Too little standby time.	Frequent use of organizer and games.	Limit use if necessary.
	Fast search activated.	Deactivate fast search (page 85).
	Display illumination on.	Switch off display illumination (page 74).
Charging error (charge icon not displayed).	Unintentional keystrokes (illumination!).	Close clamshell (page 14).
	Battery totally discharged.	1) Plug in charger cable, battery is on charge. 2) Charge icon appears after approx. 2 hours. 3) Charge battery.
	Temperature out of range: 41°F to +140°F.	Make sure the ambient temperature is right, wait a while, then recharge.
	Contact problem.	Check power supply and connection to the phone. Check battery contacts and phone connection socket, clean them if necessary, then insert battery again.
	No mains voltage.	Use different mains power socket, check mains voltage.
	Wrong charger.	Use only Siemens original accessories.
	Battery faulty.	Replace battery.

Problem	Possible causes	Possible solution
SIM error.	SIM card not inserted correctly.	Check that the SIM card is inserted correctly (page 16).
	Dirty SIM card contacts.	Clean SIM card with a dry cloth.
	SIM card with wrong voltage.	Use 3V SIM cards only.
	SIM card damaged (e.g. broken).	Carry out a visual check. Change SIM card at service provider.
No network connection.	Signal weak.	Move higher, to a window or an open space.
	Outside GSM range.	Check service provider's coverage area.
	Invalid SIM card.	Notify the service provider.
	New network not authorized.	Try manual selection or select a different network (page 84).
	Network call barring is set.	Check network barrings (page 82).
	Network overloaded.	Try again later.
Phone loses network.	Signal too weak.	Reconnection to another service provider is automatic (page 84). Switching phone off and on again can speed this up.
Calls not possible.	Second line set.	Set first line  (page 84).
	New SIM card inserted.	Check for new barrings.
	Charge limit reached.	Reset limit with PIN 2 (page 46).
	Credit used up.	Load credit.
Certain uses of phone not possible.	Call restrictions are in place.	Barrings can be set by service provider. Check barrings (page 82).
Impossible to make entries in Phonebook.	Phonebook is full.	Delete entries in Phonebook or transfer to Addressbook (page 36).
Voice messaging not functioning.	Call forwarding to mailbox not set.	Set call forwarding to mailbox (page 76).
SMS (text message)  flashing.	SMS memory is full.	To free up capacity, delete (page 54) or file (page 54) messages (SMS).
Function cannot be set.	Not supported by service provider or registration required.	Contact your service provider.

104 Questions & Answers

Problem	Possible causes	Possible solution
Capacity problems with, for example, Games & More, ringtones, pictures, SMS archive.	Phone memory full.	Delete files in the relevant areas.
No WAP access, downloading not possible.	Profile not activated, profile settings wrong/incomplete.	Activate (page 68), set (page 68) WAP profile or set HTTP profile (page 81). If necessary, ask your service provider.
Text message cannot be sent.	Service provider does not support this service.	Contact your service provider.
	Phone number for service center not set or incorrect.	Set service center (page 55).
	SIM card contract does not support this service.	Contact your service provider.
	Service center too busy.	Repeat message.
	Recipient does not have a compatible phone.	Check.
EMS pictures & sounds are not displayed on the destination phone.	Destination phone does not support the EMS standard.	
No Internet access possible.	Incorrect WAP profile set, or wrong or incomplete settings.	Check settings or contact your service provider.
PIN error/ PIN2 error.	Three wrong entries.	Enter the PUK (MASTER PIN) supplied with the SIM card according to the instructions. If the PUK (MASTER PIN) has been lost, please contact your service provider.
Phone code error.	Three wrong entries.	Contact Siemens Service (page 106).
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 deleted by the service provider via the SIM card.	Check with your service provider.
No fax possible.	Wrong settings in the PC.	Check settings (page 81).
	No authorization for this service.	Contact your service provider.

Questions & Answers **105**

Problem	Possible causes	Possible solution
Charge meter does not work.	Charge pulse is not transmitted.	Contact your service provider.
Damage		
Severe shock.	Remove battery and SIM and re-insert them. Do not dismantle the phone!	
Phone became wet.	Remove battery and SIM. Dry immediately with a cloth, but do not apply heat. Dry connector contacts thoroughly. Stand cell phone upright in an air current. Do not dismantle the phone!	

Reset all settings to factory default (page 83): * # 9 9 9 9 # 

Customer Care

We offer fast, individual advice! You have several options:

Our online support on the Internet:

**www.siemens-mobile.com/
customercare**

We can be reached any time, any place. You are given 24 hour support on all aspects of our products. Here you will find an interactive fault-finding system, a compilation of the most frequently asked questions and answers, plus user guides and current software updates to download.

You will also find the most frequently asked questions and answers in the section entitled "Questions and answers" in this user guide.

You can also get personal advice about our range of products on our Premium Hotline:

United Kingdom 0906 9597500
(0.75 £ per minute)

Qualified Siemens employees are waiting to offer you expert information about our products and installation.

In some countries repair and replace services are impossible where the products are not sold through our authorised dealers.

When calling customer service, please have ready your receipt and the phone identity number (IMEI, to display press *#06#, the software version (to display, press *#06#, then info) and if available, your Siemens Service customer number.

If repair work is necessary, please contact one of our service centres:

Abu Dhabi	0 26 42 38 00
Argentina	0 80 08 88 98 78
Australia	13 00 66 53 66
Austria	05 17 07 50 04
Bahrain	40 42 34
Bangladesh	0 17 52 74 47
Belgium	0 78 15 22 21
Bolivia	0 21 21 41 14
Bosnia Herzegovina	0 33 27 66 49
Brazil	0 80 07 07 12 48
Brunei	02 43 08 01
Bulgaria	02 73 94 88
Cambodia	12 80 05 00
Canada	1 88 87 77 02 11
China	0 21 50 31 81 49
Croatia	0 16 10 53 81
Czech Republic	02 33 03 27 27
Denmark	35 25 86 00
Dubai	0 43 96 64 33
Egypt	0 23 33 41 11
Estonia	06 30 47 97
Finland	09 22 94 37 00
France	01 56 38 42 00
Germany	0 18 05 33 32 26
Greece	0 80 11 11 11 16
Hong Kong	28 61 11 18
Hungary	06 14 71 24 44
Iceland	5 11 30 00
India	22 24 98 70 00 Extn: 70 40
Indonesia	0 21 46 82 60 81
Ireland	18 50 77 72 77
Italy	02 66 76 44 00
Ivory Coast	05 02 02 59
Jordan	0 64 39 86 42
Kenya	2 72 37 17
Kuwait	2 45 41 78
Latvia	7 50 11 18
Lebanon	01 44 30 43
Libya	02 13 50 28 82
Lithuania	8 52 74 20 10
Luxembourg	43 84 33 99
Macedonia	02 13 14 84
Malaysia	+ 6 03 77 12 43 04
Malta	+ 35 32 14 94 06 32
Mauritius	2 11 62 13

Mexico	01 80 07 11 00 03
Morocco	22 66 92 09
Netherlands	0 90 03 33 31 00
New Zealand	08 00 27 43 63
Nigeria	0 14 50 05 00
Norway	22 70 84 00
Oman	79 10 12
Pakistan	02 15 66 22 00
Paraguay	8 00 10 20 04
Philippines	0 27 57 11 18
Poland	08 01 30 00 30
Portugal	8 08 20 15 21
Qatar	04 32 20 10
Romania	02 12 04 60 00
Russia	8 80 02 00 10 10
Saudi Arabia	0 22 26 00 43
Serbia	01 13 22 84 85
Singapore	62 27 11 18
Slovak Republic	02 59 68 22 66
Slovenia	0 14 74 63 36
South Africa	08 60 10 11 57
Spain	9 02 11 50 61
Sweden	0 87 50 99 11
Switzerland	08 48 21 20 00
Taiwan	02 23 96 10 06
Thailand	0 22 68 11 18
Tunisia	71 86 19 02
Turkey	0 21 65 79 71 00
Ukraine	8 80 05 01 00 00
United Arab Emirates	0 43 31 95 78
United Kingdom	0 87 05 33 44 11
USA	1 88 87 77 02 11
Vietnam	45 63 22 44
Zimbabwe	04 36 94 24

Care and maintenance

Your phone has been designed and manufactured to the highest of standards and should be treated with great care. The suggestions below will help you to enjoy your phone for many years.

- Protect your phone from moisture and humidity! Precipitation, humidity and liquids contain minerals that will corrode electronic circuits. At all events, should your phone become wet, disconnect it immediately from the power supply and remove the battery!
- Do not use or store the phone in dusty, dirty areas. Its moving parts may be damaged.
- Do not store your phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries and warp or melt certain plastics.
- Do not store your phone in cold areas. When the phone warms up again (to its normal ambient temperature), moisture can form inside the phone, which may damage electronic circuit boards.
- Do not drop, knock or shake your phone. Rough handling can damage internal circuitry!
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the phone!

The above suggestions apply equally to your phone, battery, charger and all accessories. If any of these parts are not working properly, take them to your nearest qualified service outlet. The personnel there will assist you and, if necessary, repair the device.

Product data

Declaration of conformity

Siemens Information and Communication Mobile hereby declares that the phone described in this user guide is in compliance with the essential requirements and other relevant provisions of European Directive 1999/5/EC (R&TTE). The declaration of conformity (DoC) concerned has been signed. Please call the company hotline if you require a copy of the original, or: www.siemens-mobile.com/conformity.

CE 0682

Technical data

GSM class:	4 (2 watt)
Frequency range:	880-960 MHz
GSM class:	1 (1 watt)
Frequency range:	1,710-1,880 MHz
GSM class:	1 (1 watt)
Frequency range:	1,850-1,990 MHz
Weight:	85 g
Size:	81.5x45.2x21.9 mm (78 ccm)
Li-ion battery:	600 mAh
Operating temperature:	-10 °C ... +55 °C
SIM card:	3.0 V or 1.8 V

Phone ID

You will need the following details if you lose your phone or SIM card:

the number of the SIM card (on the card):

.....

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

.....

the customer service number of the service provider:

.....

Lost phone

If you lose your phone or SIM card contact your service provider immediately to prevent misuse.

Operating time

The operating time depends upon usage: Extreme temperatures considerably reduce the phone's standby time. You should therefore avoid the leaving the phone in the sun or on a heater.

Talk time: 90 to 300 minutes.

Standby time: 50 to 220 hours.

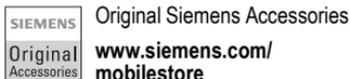
Action taken	Time (min)	Reduces standby time by
Calling	1	30-90 minutes
Light *	1	60 minutes
Network search	1	5-10 minutes
* Keypad input, dynamic light games, organizer, etc.		

Accessories

Fashion & Carry

Carrying Cases

A range of carrying cases is available from specialist stores or our online shop:



Energy

Li-Ion Battery 600 mAh EBA-670

Spare battery for additional standby and talktime.

Travel Charger

Travel Charger ETC-500 (EU)

Travel Charger ETC-510 (UK)

Travel Charger with an extended input voltage range of 100-240V for international use.

Car Charger Plus ECC-600

Charger, which connects via the car cigarette lighter socket, with additional headset connector.

Speakerphone Portable

Headset PTT HHS-510

Headset for speakerphone talking in full-duplex digital voice quality. With PTT button for answering and ending calls.

Headset PTT Purestyle HHS-610

Headset with a high-value design for speakerphone talking in full-duplex digital voice quality. Optimized wearing comfort due to earclip and the practical clip for attaching the headset easily to clothing. With PTT button for answering and ending calls.

Automatic call acceptance support (via the cell phone).

Car Solutions

Car Kit Portable HKP-500

Plug & play speakerphone kit with integrated loudspeaker. Speakerphone talking with high voice quality by simply connecting to the cigarette lighter socket. Ideal for easy transfer between vehicles.

Car Kit Easy HKP-610

High-quality plug & play Car Kit with integrated rotatable and exchangeable mobile holder, loudspeaker and microphone. Speakerphone talking with high voice quality by simply connecting to the cigarette lighter socket. Ideal for easy transfer between vehicles.

Upgrade Kit HKO-640

Upgrade Kit for exchanging the Mobile Holder of the speakerphone Car Kit Easy to fit a new cell phone.

Multitainment

QuickPic Camera IQP-500

Plugged into the cell phone, the QuickPic Camera with integrated flash can be used to take snapshots in any situation. Pictures can be viewed on the cellphone's display, sent using MMS, and stored. For cell-to-cell MMS correspondence and optimal viewing quality on a PC there are two resolutions to choose from.

Office

Data Cable DCA-500

With the Data Cable DCA-500 the cell phone can be easily linked to a serial (RS232) interface.

Products can be obtained in specialist stores or you can visit the Siemens Mobile Store online:



Quality

Battery quality statement

The capacity of your cell phone battery will be reduced every time it is charged/discharged. Storage at excessively high or low temperatures will also result in a gradual capacity loss. As a result, the operating time of your cellular phone may be considerably reduced, even after a full recharge of the battery.

Notwithstanding these limitations, the battery has been designed and manufactured so that it can be recharged and used for six months after the purchase of your cell phone. After six months, if the battery is clearly suffering from loss of performance, we recommend that you replace it. Please buy only Siemens original batteries.

Display quality statement

For technological reasons, some small dots in different colors may appear in the display in rare cases.

Please remember that if some dots appear brighter or darker in the display, this generally does not mean that a fault has occurred.



The U.S. Food and Drug Administration's (FDA) Center for Devices and Radiological Health Consumer Update on Mobile Phones

FDA has been receiving inquiries about the safety of mobile phones, including cellular phones and PCS phones. The following summarizes what is known – and what remains unknown – about whether these products can pose a hazard to health, and what can be done to minimize any potential risk. This information may be used to respond to questions.

Why the concern?

Mobile phones emit low levels of radio frequency energy (i.e., radio frequency radiation) in the microwave range while being used. They also emit very low levels of radio frequency energy (RF), considered non-significant, when in the stand-by mode. It is well known that high levels of RF can produce biological damage through heating effects (this is how your microwave oven is able to cook food). However, it is not known whether, to what extent, or through what mechanism, lower levels of RF might cause adverse health effects as well. Although some research has

been done to address these questions, no clear picture of the biological effects of this type of radiation has emerged to date. Thus, the available science does not allow us to conclude that mobile phones are absolutely safe, or that they are unsafe. However, the available scientific evidence does not demonstrate adverse health effects associated with the use of mobile phones.

What kinds of phones are in question?

Questions have been raised about hand-held mobile phones, the kind that have a built-in antenna that is positioned close to the user's head during normal telephone conversation. These types of mobile phones are of concern because of the short distance between the phone's antenna – the primary source of the RF – and the person's head. The exposure to RF from mobile phones in which the antenna is located at greater distances from the user (on the outside of a car, for example) is drastically lower than that from hand-held phones, because a person's RF exposure decreases rapidly with distance from the source. The safety of so-called "cordless phones", which have a base unit connected to the telephone wiring in a house and which operate at far lower power levels and frequencies, has not been questioned.

How much evidence is there that hand-held mobile phones might be harmful?

Briefly, there is not enough evidence to know for sure, either way; however, research efforts are on-going. The existing scientific evidence is conflicting and many of the studies that have been done to date have suffered from flaws in their research methods. Animal experiments investigating the effects of RF exposures characteristic of mobile phones have yielded conflicting results. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. In one study, mice genetically altered to be predisposed to developing one type of cancer developed more than twice as many such cancers when they were exposed to RF energy compared to controls. There is much uncertainty among scientists about whether results obtained from animal studies apply to the use of mobile phones. First, it is uncertain how to apply the results obtained in rats and mice to humans. Second, many of the studies showed increased tumor development used animals that had already been treated with cancer-causing chemicals, and other studies exposed the animals to the RF virtually continuously – up to 22 hours per day.

For the past five years in the United States, the mobile phone industry has supported research into the

safety of mobile phones. This research has resulted in two findings in particular that merit additional study:

1. In a hospital-based, case-control study, researchers looked for an association between mobile phone use and either glioma (a type of brain cancer) or acoustic neuroma (a benign tumor of the nerve sheath). No statistically significant association was found between mobile phone use and acoustic neuroma. There was also no association between mobile phone use and gliomas when all types of gliomas were considered together. It should be noted that the average length of mobile phone exposure in this study was less than three years.

When 20 types of glioma were considered separately, however, an association was found between mobile phone use and one rare type of glioma, neuroepitheliomatous tumors. It is possible with multiple comparisons of the same sample that this association occurred by chance. Moreover, the risk did not increase with how often the mobile phone was used, or the length of the calls. In fact, the risk actually decreased with cumulative hours of mobile phone use. Most cancer causing agents increase risk with increased exposure. An ongoing study of brain cancers by the

National Cancer Institute is expected to bear on the accuracy and repeatability of these results.¹

2. Researchers conducted a large battery of laboratory tests to assess the effects of exposure to mobile phone RF on genetic material. These included tests for several kinds of abnormalities, including mutations, chromosomal aberrations, DNA strand breaks, and structural changes in the genetic material of blood cells called lymphocytes. None of the tests showed any effect of the RF except for the micronucleus assay, which detects structural effects on the genetic material. The cells in this assay showed changes after exposure to simulated cell phone radiation, but only after 24 hours of exposure. It is possible that exposing the test cells to radiation for this long resulted in heating. Since this assay is known to be sensitive to heating, heat alone could have caused the abnormalities to occur. The data already in the literature on the response of the micronucleus assay to RF are conflicting. Thus follow-up research is necessary.²

FDA is currently working with government, industry, and academic groups to ensure the proper follow-up to these industry-funded research findings. Collaboration with the Cellular Telecommunications Industry Association (CTIA) in particular is expected to lead to FDA providing

research recommendations and scientific oversight of new CTIA-funded research based on such recommendations.

Two other studies of interest have been reported recently in the literature:

- Two groups of 18 people were exposed to simulated mobile phone signals under laboratory conditions while they performed cognitive function tests. There were no changes in the subjects' ability to recall words, numbers, or pictures, or in their spatial memory, but they were able to make choices more quickly in one visual test when they were exposed to simulated mobile phone signals. This was the only change noted among more than 20 variables compared.³
- In a study of 209 brain tumor cases and 425 matched controls, there was no increased risk of brain tumors associated with mobile phone use. When tumors did exist in certain locations, however, they were more likely to be on the side of the head where the mobile phone was used. Because this occurred in only a small number of cases, the increased likelihood was too small to be statistically significant.⁴

In summary, we do not have enough information at this point to assure the public that there are, or are not,

any low incident health problems associated with use of mobile phones. FDA continues to work with all parties, including other federal agencies and industry, to assure that research is undertaken to provide the necessary answers to the outstanding questions about the safety of mobile phones.

What is known about cases of human cancer that have been reported in users of hand-held mobile phones?

Some people who have used mobile phones have been diagnosed with brain cancer. But it is important to understand that this type of cancer also occurs among people who have not used mobile phones. In fact, brain cancer occurs in the U.S. population at a rate of about 6 new cases per 100,000 people each year. At that rate, assuming 80 million users of mobile phones (a number increasing at a rate of about 1 million per month), about 4800 cases of brain cancer would be expected each year among those 80 million people, whether or not they used their phones. Thus it is not possible to tell whether any individual's cancer arose because of the phone, or whether it would have happened anyway. A key question is whether the risk of getting a particular form of cancer is greater among people who use mobile phones than among the rest of the population. One way to answer that question is to compare the usage of mobile phones

among people with brain cancer with the use of mobile phones among appropriately matched people without brain cancer. This is called a case-control study. The current case-control study of brain cancers by the National Cancer Institute, as well as the follow-up research to be sponsored by industry, will begin to generate this type of information.

What is FDA's role concerning the safety of mobile phones?

Under the law, FDA does not review the safety of radiation emitting consumer products such as mobile phones before marketing, as it does with new drugs or medical devices. However, the agency has authority to take action if mobile phones are shown to emit radiation at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of mobile phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions at this time, FDA has urged the mobile phone industry to take a number of steps to assure public safety. The agency has recommended that the industry:

- Support needed research into possible biological effects of RF of the type emitted by mobile phones;

- Design mobile phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
- Cooperate in providing mobile phone users with the best possible information on what is known about possible effects of mobile phone use on human health.

At the same time, FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of mobile phone safety to ensure a coordinated effort at the federal level. These agencies are:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Federal Communications Commission
- Occupational Health and Safety Administration
- National Telecommunications and Information Administration

The National Institutes of Health also participates in this group.

In the absence of conclusive information about any possible risk, what can concerned individuals do?

If there is a risk from these products – and at this point we do not know that there is – it is probably very small. But if people are concerned about avoiding even potential risks,

there are simple steps they can take to do so. For example, time is a key factor in how much exposure a person receives. Those persons who spend long periods of time on their hand-held mobile phones could consider holding lengthy conversations on conventional phones and reserving the hand-held models for shorter conversations or for situations when other types of phones are not available.

People who must conduct extended conversations in their cars every day could switch to a type of mobile phone that places more distance between their bodies and the source of the RF, since the exposure level drops off dramatically with distance. For example, they could switch to:

- a mobile phone in which the antenna is located outside the vehicle,
- a hand-held phone with a built-in antenna connected to a different antenna mounted on the outside of the car or built into a separate package, or
- a headset with a remote antenna to a mobile phone carried at the waist.

Where can I find additional information?

For additional information, see the following websites:

- Federal Communications Commission (FCC) RF Safety Program (select "Information on Human

Exposure to RF Fields from Cellular and PCS Radio Transmitters"): <http://www.fcc.gov/oet/rfsafety>.

- World Health Organization (WHO) International Commission on Non-Ionizing Radiation Protection (select Qs & As): <http://www.who.int/emf>
- United Kingdom, National Radiological Protection Board: <http://www.nrpb.org.uk>
- Cellular Telecommunications Industry Association (CTIA): <http://www.wow-com.com>
- U.S. Food and Drug Administration (FDA) Center for devices and Radiological Health: <http://www.fda.gov/cdhr/consumer/>

⁴ Hardell, L, Nasman, A, Pahlson, A, Hallquist, A and Mild, KH. Use of cellular telephones and the risk for brain tumors; a case-control study. *Int. J. Oncol*, 15: 113-116, 1999.

¹ Muscat et al. Epidemiological Study of Cellular Telephone Use and Malignant Brain Tumors. In: State of the Science Symposium; 1999 June 20; Long Beach, California.

² Tice et al. Tests of mobile phone signals for activity in genotoxicity and other laboratory assays. In: Annual Meeting of the Environmental Mutagen Society; March 29, 1999, Washington, DC; and personal communication, unpublished results.

³ Preece, AW, Iwi, G, Davies-Smith, A, Wesnes, K, Butler, S, Lim, E, and Varey, A. Effect of a 915- MHz simulated mobile phone signal on cognitive function in man. *Int. J. Radiat. Biol.*, April 8, 1999.

Your phone may cause TV or radio interference (for example, when using a telephone in close proximity to receiving equipment). The FCC or Industry Canada can require you to stop using your telephone if such interference cannot be eliminated. If you require assistance, please contact your local service facility.



Your Siemens wireless phone gives you the power to communicate by voice – almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When driving a car, driving is your first responsibility. When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

Get to know your phone and its features such as speed dial and redial.

Carefully read your instruction manual and learn to take advantage of valuable features most phones offer including, automatic redial and memory dial – most phones can store up to 99 numbers in memory dial. Also, work to memorize the phone keypad so you can use the speed dial function without taking your attention off the road.

When available, use a hands-free device.

A number of hands-free wireless phone accessories are readily available today. Whether you choose an installed mounted device for your phone or a speaker phone accessory, take advantage of these devices if they are available to you.

Position your phone within easy reach.

Make sure you place your wireless phone within easy reach and where you can grab it without removing your eyes from the road. If you get an incoming call at an inconvenient time, let your voicemail answer it for you.

Suspend conversations during hazardous driving conditions or situations.

Let the person you are speaking to know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow and ice can be hazardous, but so is heavy traffic. As a driver, your first responsibility is to pay attention to the road.

Do not take notes or look up phone numbers while driving.

If you are reading an address book or business card while driving a car, or writing a "to do" list, then you are not watching where you are going. It's common sense. Don't get caught in a dangerous situation because you are reading or writing and not paying attention to the road or nearby vehicles.

Dial sensibly and assess the traffic.

If possible, place calls when you are not moving or before pulling into traffic. Try to plan your calls before you begin your trip, or attempt to coincide your calls with times you may be stopped at a stop sign, red light or otherwise stationary. But if you need to dial while driving, follow this simple tip – dial only a few numbers, check the road and your mirrors, then continue.

Do not engage in stressful or emotional conversations that may be distracting.

Stressful or emotional conversations and driving do not mix – they are distracting and even dangerous when you are behind the wheel. Make people you are talking with aware you are driving and if necessary, suspend phone conversations that have the potential to divert your attention from the road.

Use your phone to call for help.

Your wireless phone is one of the greatest tools you can own to protect yourself and your family in dangerous situations – with your phone at your side, help is only three numbers away. Dial 9-1-1 in the case of fire, traffic accident, road hazard, or medical emergency. Remember, it is a free call on your wireless phone.

Use your phone to help others in emergencies.

Your wireless phone provides you a perfect opportunity to be a "good Samaritan" in your community. If you see an auto accident, crime in progress or other serious emergencies where lives are in danger, call 9-1-1, as you would want others to do for you.

Call roadside assistance or a special wireless non-emergency assistance number when necessary.

Certain situations you encounter while driving may require attention, but are not urgent enough to merit a call to 9-1-1. But you can still use your wireless phone to lend a hand. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless numbers.

"The wireless industry reminds you to use your phone safely when driving."

For more information, please call 1 (888) 901-SAFE, or visit our Web site at: www.wow-com.com

Provided by the Cellular Telecommunications Industry Association (CTIA)

Intellectual Property Restrictions

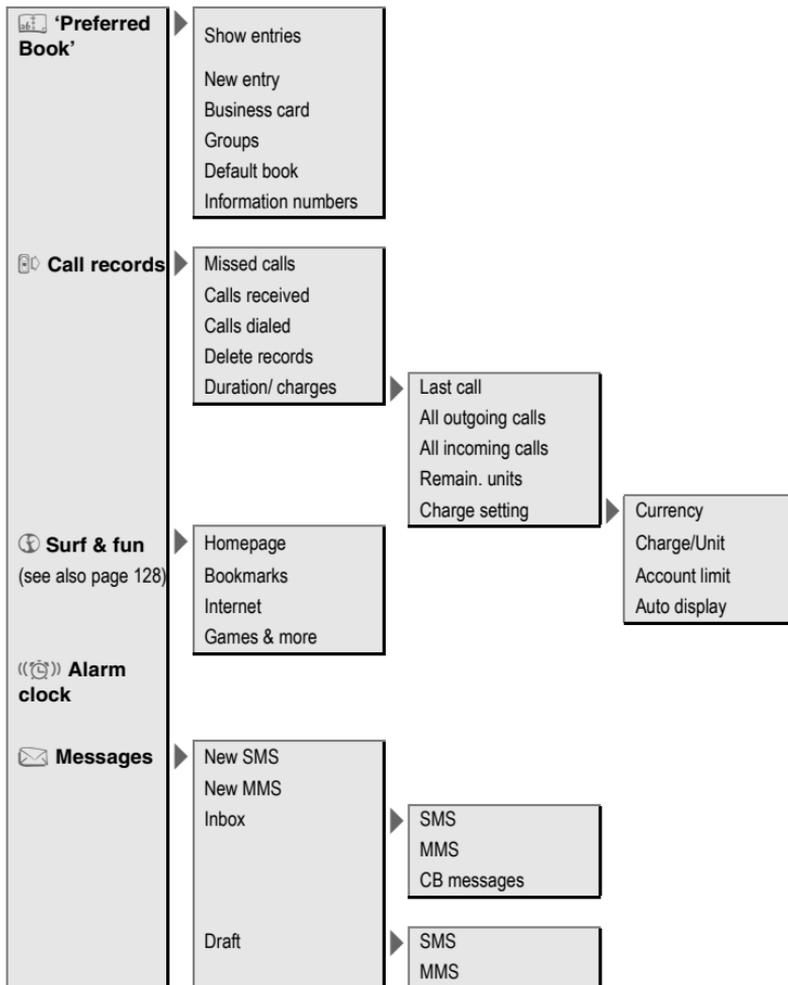
All Intellectual Property, as defined below, which is owned by or otherwise the property of Siemens Information and Communications Mobile, LLC ("Siemens"), its affiliates, partners or suppliers, relating to the Phone, including but not limited to accessories, parts or software relating thereto (the "Phone System"), is proprietary under federal laws, state laws and International treaty provisions. Intellectual Property includes, but is not limited to, inventions (patentable or unpatentable), patents, trade secrets, copyrights, software, computer programs, and related documentation and other works of authorship. You may not infringe or otherwise violate the rights secured by the Intellectual Property. Moreover, you agree that you will not (and will not attempt to) disassemble, decompile, reverse engineer, prepare derivative works from, modify or make any other effort to create source code from the software. No title to ownership in the Intellectual Property is transferred to you through purchase or possession of the Phone or its components. All applicable rights of the Intellectual Property shall remain with Siemens, its affiliates, partners or suppliers.

Siemens will have no liability with respect to any claim of patent infringement which is based upon the combination of the Product or

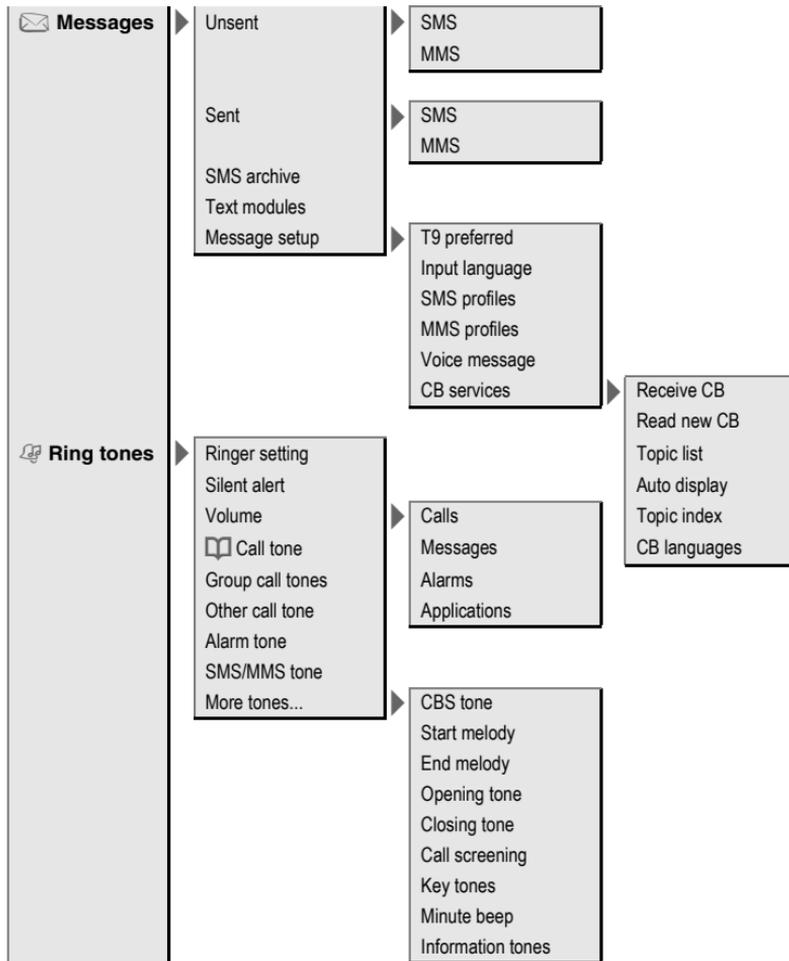
parts furnished hereunder with software, apparatus or devices not furnished by Siemens, nor will Siemens have any liability for the use of ancillary equipment or software not furnished by Siemens which is attached to or used in connection with the Product. The foregoing states the entire liability of Siemens with respect to infringement of patents by the Product or any parts thereof.

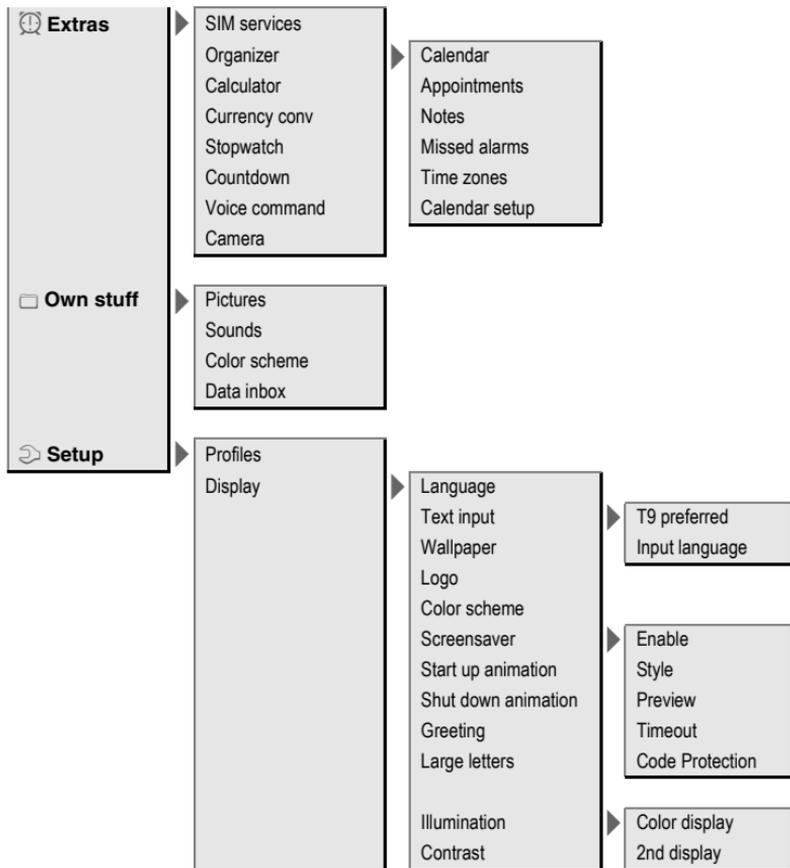
Laws in the United States and other countries preserve for Siemens certain exclusive rights for copyrighted Siemens software, such as the exclusive rights to reproduce and distribute copies of such Siemens software. Siemens software may be used only in the Product in which the software was originally embodied when purchased, and such software in such Product may not be replaced, copied, distributed, modified in any way, or used to produce any derivative thereof. No other use including, without limitation, alteration, modification, reproduction, distribution, or reverse engineering of such Siemens software or exercise of rights in such Siemens software is permitted. No license is granted by implication, estoppel or otherwise under Siemens patent rights or copyrights.

Menu tree

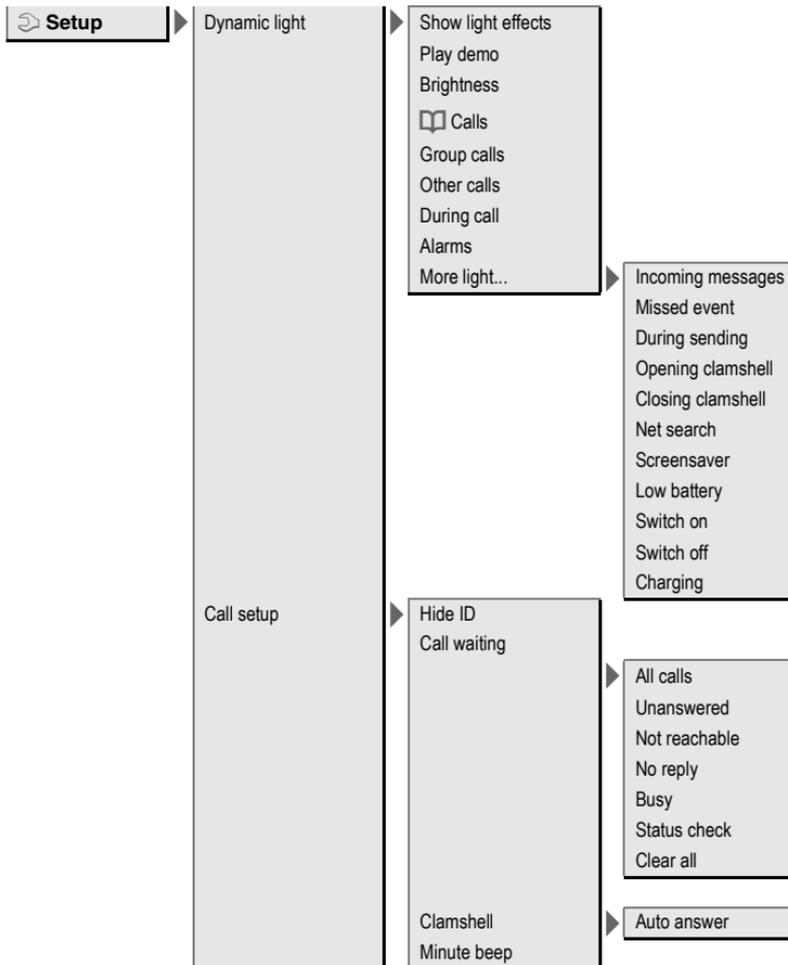


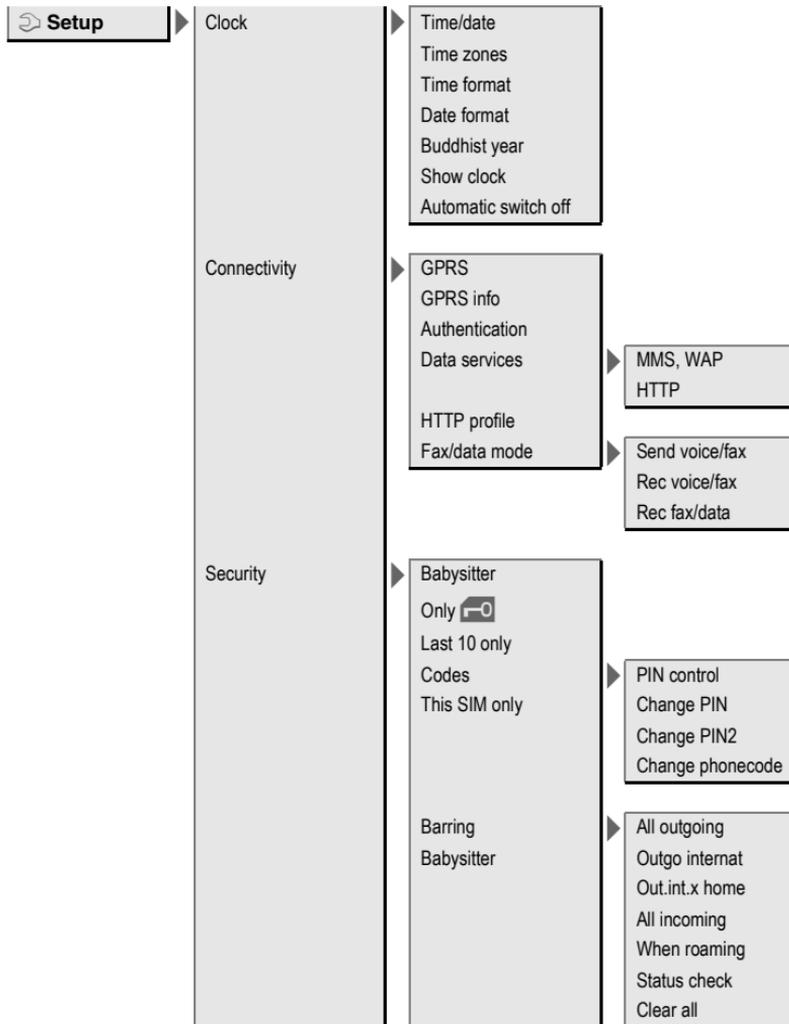
124 Menu tree



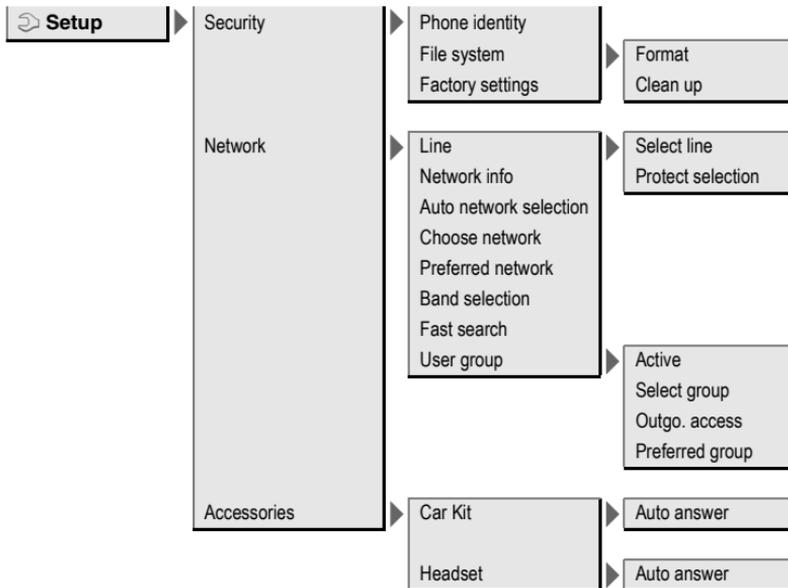


126 Menu tree





128 Menu tree

**Note on Surf & fun**

Depending on your service provider, you may have direct access to their portal instead of the Surf & fun menu option. Contact your service provider for details of the services offered on the portal. In this case, you will find the Internet and Games & more menu options in the Extras  menu.

Index

A

Accessories	110
Account limit	46
Addressbook	
Dial entry	41
New entry	39
Read entry	40
Agenda	87
Alarm	
Alarm clock	47
Appointment	88
Switch off	89
Type	88
Alarm clock	47
All calls (call time/charge)	46
All calls (forwarding)	76
All incoming (Barrings)	83
Answering service (external)	48
Application, download	69
Appointments	87
Archive (SMS)	54
Audio	63
Authentication	81
Auto display	
CB	62
Clock	79
Duration/charges	46
Auto time zone	78, 91
Auto. redial	26

B

Background	73
Band selection	85
Battery	
Charge	17
Insert	16
Operating time	109
quality declaration	108, 112

Big letters (message on display) ...	74
Birthday	
Addressbook	40
Bookmarks (WAP)	65
Browser, WAP	66
Business card	35
Busy number	26
C	
Calculator	91
Calendar	87
Call	
Accept/end	27
Barring	83
Charges	46
Conference	29
End	25
Forward	76
Hold	28
Menu	30
Reject	27
Swap (change)	28
Call back	26
Call forwarding	76
Call transfer	30
Call waiting	29
Calling	25
Calling images (Addressbook)	39
Calls dialed (call list)	45
Calls received (call list)	45
Camera	93, 94
Car Kit	
Setting	86
Care of phone	108
CB services	62
Cell Broadcast (CB)	62
Charge rate	46
Charges	46
Charging the battery	17
Clock	78

130 Index

Codes.....	22	Fast access.....	97
Color schemes.....	73	Fast network search.....	85
Command (voice command).....	93	Fax/data mode.....	81
Conference.....	29	Filter.....	64
Connection profile.....	80	Addressbook entries.....	41
Contrast (message on display).....	74	Flashlight.....	94
Control code (DTMF).....	44	Forward.....	76
Countdown.....	93	Forwarding (call).....	30
CSD data.....	80	G	
Currency converter.....	92	Games & More.....	68
Customer care.....	106	Games (download).....	69
D		GPRS	
Data exchange (settings).....	79	Switch on/off.....	79
Data Exchange Software.....	101	Group.....	43
Date format.....	79	SMS to group.....	51
Dialing code.....	25	H	
Dialing with number keys.....	25	Handset volume.....	25
Dial-up access (connection).....	80	Headset.....	110
Direct call.....	30	Setting.....	86
Display		Hide ID.....	76
Big letters.....	74	Highlighting mode.....	21
Color schemes.....	73	Hold call.....	28
Contrast.....	74	Home network.....	84
Illumination.....	74	Hotline.....	106
Symbols.....	15	HTTP profile.....	81
Display (settings).....	73	I	
Driving safety.....	120	Identity number (IMEI).....	83
DTMF codes (control codes).....	44	Illumination (display).....	74
Duration/charges.....	46	IMEI number.....	83
Dynamic Light.....	75	Inbox	
E		MMS.....	59
Emergency number.....	18	SMS.....	53
EMS.....	51	Index (file system).....	15
End animation.....	74	Info tones.....	64
Entry no. (phonebook).....	36	Information services (CB).....	62
Extras.....	87	Input language (T9).....	32
F		International dialing code.....	26
Factory settings.....	83		

L	
Last 10 only	82
Limit (call time/charge)	46
Logo, provider logo	73
Loss of phone, SIM card	109
M	
Mailbox.....	48
Maintenance of phone.....	108
Menu	
Control	20
Speed dialing.....	22
Menu tree	123
Message	
CB.....	62
MMS	56
SMS.....	49, 52
Message memory.....	53
Microphone on/off.....	30
Minute beep	64, 78
Missed appointments	90
Missed calls (call list)	45
MMS	
Lists.....	59
Profile	61
Receive	58
Write.....	56
Muting (microphone).....	30
My phone.....	24
N	
Network	
Barring.....	82
Line.....	84
Settings	84
Notes	89
O	
Only 	82
Only this SIM	82
Operating times (battery).....	109
Organizer.....	87
Own (phone) numbers	37
Own files.....	99
Own greeting	74
Own stuff.....	99
P	
Phone (settings)	76
Phone barring	82
Phone code.....	22
Phone data	109
Phone identity number (IMEI).....	83
Phone number transmission on/off..	76
Phonebook	
Call	37
Location.....	38
New entry.....	36
Picture (Addressbook).....	39
Pictures & sounds (SMS).....	50
PIN	
Change	22
Control.....	22
Enter	18
Error	104
PIN2	22
Preferred directory	35
Preventing accidental activation ..	23
Product data	109
Profiles	
HTTP.....	81
MMS	61
Phone.....	71
SMS	55
WAP	68
Prompt	26
Provider logo.....	73
PUK, PUK2.....	22

132 Index

Q	
Questions & Answers	102
R	
Records	45, 98
redial	25
Reminder	26
Ringer setting	63
S	
Safety precautions	4
Screensaver	73
Second phone number	84
Security	22, 82
Service center (SMS)	55
Service provider portal	24
Service tones	64
Set time/date	78, 79
Settings	
Accessories	86
Audio	63
Clock	78, 79
Data connection	79
Display	73
Forward	76
Network	84
Phone	76
Profiles	71
Security	82
Short message (SMS)	49
Shown in the display	15
Siemens City Portal	24
Signal strength	19
SIM card:	
Clear barring	23
Insert	16
Problems	103
SIM services (optional)	96
SMS	
Archive	54
Lists	53
Pictures & Sounds	50
Profile	55
Read	52
T9 input	32
To group	51
Write	49
SOS	9, 18
Speakerphone talking	28
Special characters	31
Speech time (battery)	109
Speed dialing keys	98
Standard values	83
Standby mode	20
Standby time:	109
Start animation	74
Start menu (WAP)	65
Start up animation	74
Stopwatch	92
Surf & fun	65
Swap	28
Switch off phone	
Automatic	79
Manual	18
Switch on	18
Symbols	15
T	
T9	
Text entry	32
Word suggestions	33
Technical data	109
Text entry with T9	32
Text entry without T9	31
Text module	34
Time zones	18, 78
Tones	64
U	
Unanswered	76

Upper and lowercase letters.....	31
User group	85

V

Validity period

MMS	61
SMS	55
Vibrating alert.....	63
Voice command	93
Voice dialing	42
Voice message (mailbox).....	48

Volume

Handset volume.....	25
Profiles	71
Ringer	63

W

WAP

Browser	66
Parameters.....	68