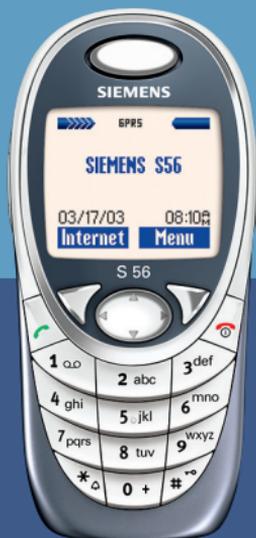
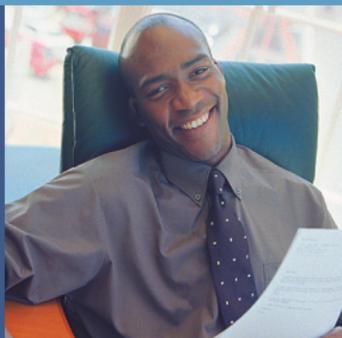


SIEMENS



Be inspired™



S56

User Guide
Guide De L'Utilisateur
Guía Para El Usuario

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Note for parents

Read the operating instructions and safety precautions carefully before use.
Explain to your children the contents and the hazards associated with using the phone.



When in a hospital, switch off your phone. Mobile phones can interfere with the functioning of medical devices such as hearing aids or pacemakers. Keep at least 20cm/9 inches between phone and pacemaker. When using the mobile phone, hold it to the ear that is farther away from the pacemaker. For more information, consult your doctor.



Always use the handsfree kit (p. 108) for calls while driving!



Mobile phones must be switched off at all times in an aircraft. To prevent accidental activation, see (p. 76).



Switch off near service stations, fuel depots, chemical plants or blasting operations. Mobile phones can interfere with the operation of technical installations.



Acoustic Shock Warning

The ringtone (p. 93), info tones (p. 93) and speakerphone talking are reproduced through the loudspeaker. Do not hold the phone to the ear when it rings or when you have switched on the speakerphone function (p. 24). Otherwise, there is a risk of serious lasting damage to hearing.



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



Do not exceed the input voltage specified on the power supply.



Do not view the activated infrared interface [Class 1 LED product (classification under IEC 60825-1)] with an optical magnifier.



Only use original Siemens batteries (100% mercury-free) and charging devices. Otherwise, considerable health risks and damage to the product cannot be excluded: the battery could explode, for instance.



You may only open the phone to replace the battery (100% mercury-free) or SIM card. 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 criteria required for operation of the unit.

Please note:

Safely dispose of used batteries and phones according to local regulations.



Mobile phones can interfere with the operation of nearby TVs, radios or PCs.



Only use original Siemens accessories to avoid possible damage to health and property and to comply with the existing regulations.

Improper use invalidates the warranty!

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 below text 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 mobile 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 radiofrequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone.

Pacemakers

The Health Industry Manufacturer's 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 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.

THIS SIEMENS S56 PHONE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your wireless Siemens S56 phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg.* Tests for SAR are conducted using standard operating positions specified by the FCC 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 mul-

iple 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 antenna, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (for example, at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this Siemens S56 phone when tested for use at the ear is 0.89 W/kg, and when worn on the body, as described in this user guide, is 0.65 W/kg. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements.) While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure.

The FCC has granted an Equipment Authorization for this Siemens S56 phone with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this Siemens S56 phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on FCC ID **PWX-S56**.

10 SAR (Specific Absorption Rate)

For body worn operation, to maintain compliance with FCC RF exposure guidelines, use only Siemens approved accessories. When carrying the phone while it is on, use the specific Siemens belt clip that has been tested for compliance.

Use of non-Siemens-approved accessories may violate FCC RF exposure guidelines and should be avoided.

* In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at:

<http://www.wow-com.com>

For SAR information in other regions please look under product information at:

www.my-siemens.com

① Integrated antenna

Do not interfere with the phone unnecessarily above the battery cover. This reduces the signal strength.

② Loudspeaker

③ Display indicators

Signal strength/GPRS available/battery level.

④ Control key

See next page

⑤ Input keys

Numbers, letters

⑥ Microphone

⑦ Plus-Minus key

- During a call: volume loud-quiet.
- In menus, lists and WAP pages: scroll up and down.
- In standby mode:

⊕ Press key **briefly**: displays current profile.

⊖ Hold key **down**: start voice control.

⑧ Voice Memo key

(in standby mode):

Hold **down**: record.

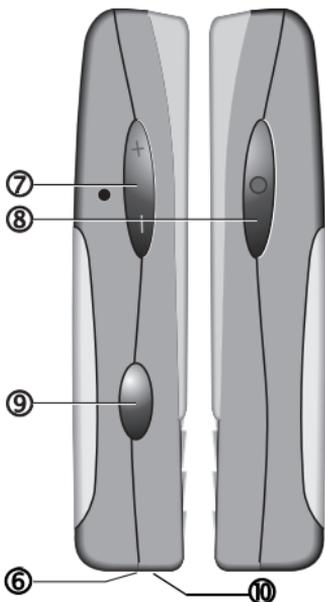
Press **briefly**: play back.

⑨ Infrared interface

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

⑩ Device interface

Connection for charger, headset, etc.



① Soft keys

The current functions of these keys are displayed in the bottom line of the display as **text/icons**

② Call key

Dial phone number/name selected, take calls. Display last calls in standby mode.

③ Control key

In lists and menus:

- ① Scroll up/down.
- ② Select function.
- ③ Menu level back.

During a call:

- ① Open call menu.

In standby mode:

- ① Voice command.
- ② Open Address/Phonebook.
- ③ Open menu.
- ④ Info (e.g. GPRS information).

④ On/Off/End key

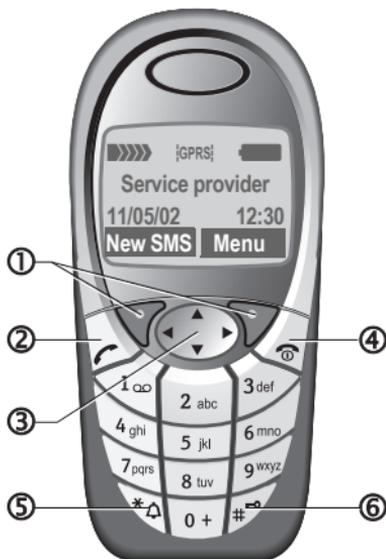
- When switched off: hold **down** to switch on.
- During a conversation or in an application: press **briefly** to finish.
- In menus: press **briefly** to go back one level.
- In standby mode: hold **down** to switch off phone.
- When not Standby mode, long-press (hold **down**) to come back to standby mode.

⑤ Hold down

- In standby mode: switch all audible signals on/off (except alarm).
- For incoming calls: switch off ringtones only.

⑥ Hold down

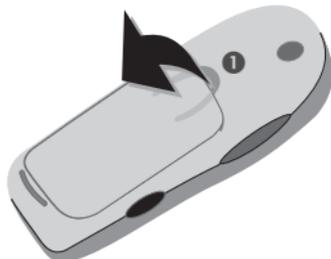
In standby mode: switch keypad lock on/off.



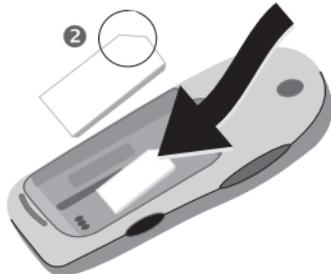
Insert SIM card/battery

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

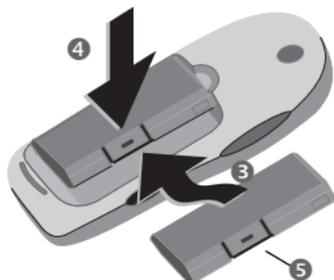
- Remove the cover upwards, in the direction of the arrow **1**.



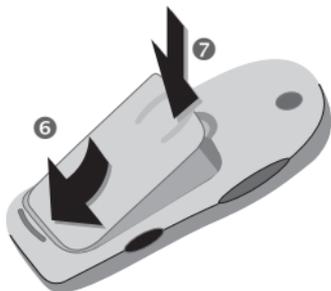
- Insert SIM card in the opening with contacts **pointing downwards** and push gently until it engages (make sure the angled corner is in the correct position **2**).



- Insert battery into the phone sideways **3**, then press downwards **4**, until it engages.



- To remove, push down the retaining flap **5**, and then lift out battery.
- Insert cover in the bottom edge **6**, then press downwards **7**, until it engages.



Note

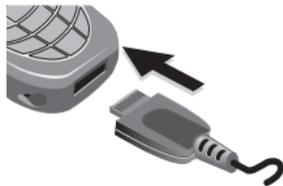
Always switch off phone before removing the battery!

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

Functions with SIM cardpage 125

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 power socket and charge for at least **two hours**.



Display when charging is in progress



During charging.

Charging time

An empty battery is fully charged after about 2 hours. Charging is only possible in an ambient temperature of 41 °F to 104 °F (the charge icon flashes as a warning when the temperature is 41 °F above/below this range). The voltage specified on the power supply unit must not be exceeded.

To obtain maximum performance from the battery, it must be fully charged and then emptied at least five times.

Note

Your phone's display is delivered with a protective film.

Remove this film 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.

Charge icon not visible

If the battery is totally discharged, no charge icon is displayed when the charger is plugged in. It will appear after a maximum of two hours. In this case the battery is fully charged after 3-4 hours.

Only use the charger provided!

Display while in service

Charge level display during operation (empty-full):



A beep sounds when the battery is nearly empty. The battery level is only shown correctly during an unbroken charging/discharging cycle. You should therefore **not remove the battery unnecessarily** and where possible **not finish the loading process** early.

Note

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

Performance.....page 122

Battery quality statement.....page 118

Activate/deactivate



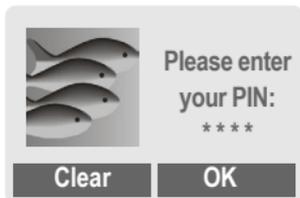
Hold **down** On/Off/End key to switch on or off.

Enter PIN

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



Enter the PIN using the number keys. Input is shown as a series of asterisks; if you make a mistake, press **Clear**.



OK

Confirm entry with right soft key. Connecting to the network will take a few seconds.

Switching on your phone for the first time

Contrast, time/date



Set display contrast.

Set time/date (page 97).

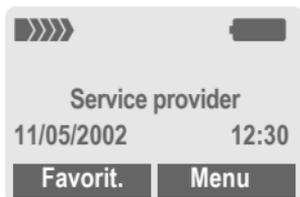
Phonebook or Address book

You can choose whether you want to use the **Phonebook** on the SIM card or the internal - phone's memory **Address book** as default.

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

To copy data on the SIM card at a later time, highlight entries (page 120) and copy these with the function **Copy Into**  (Phonebook options menu page 30).

Standby mode



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

The left soft key may have a different function pre-assigned.



Press the On/Off/End key repeatedly to return to standby mode from any situation.

Note: availability of the feature on the phone depends on service provider.

■■■■■	Signal strength	page 123
☎	SIM services (optional)	page 84
SOS	page 119
	Change standard index	page 28
	Change PIN	page 19
	Other network	page 106
	SIM card problems	page 123
	Clear SIM card barring	page 20

User guide

The following icons are used to explain operation:



Enter numbers or letters.



On/Off/End key.



Call key.



Press control key on the side indicated.



Soft keys



Displays a soft-key function.



Feature dependent on service provider, may require special registration.

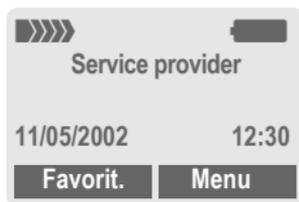
Menu controls

The steps needed to reach a function are shown in a **condensed form** in this user guide, e.g. to display call list for missed calls:

Menu → Call Log → Missed Calls

This corresponds to:

1



Menu

Open menu.

From standby mode: press **right soft key**.

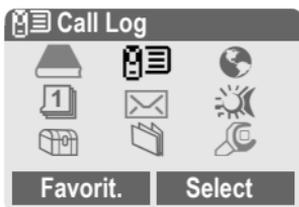
2



Call Log  Select.

Press **top** of control key.

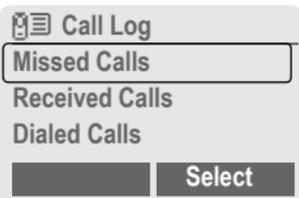
3



Select

Press.
Press **right** soft key to open the Call Log submenu.

4



Select

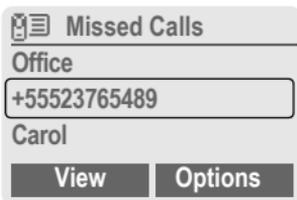
Press.

or



Press.
Press the **right** soft key or press the control key on the side indicated to open the Missed Calls list.

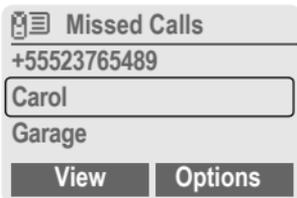
5



Scroll to the required entry.

Press control key **at the bottom** to scroll down.

6



View

Press.

Press left soft key to show phone number with date, time and number of calls.

7



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 required.

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 → Setup → Security
→ then select function

Codes

PIN Control

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

Select Press.

 Enter PIN.

OK Confirm input.

Change Press.

OK Confirm.

Change PIN

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

 Enter **current** PIN.

OK Press.

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

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

Change PIN2

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

Chg.Phonecode

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

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.

Note

Screensaver.....	page 90
Key lock	page 94
Further security settings.....	page 104

Change your phone to match your personal requirements.

Ring tones

Assign individual ring tones to caller groups or for special dates (page 93).

Animations, screensavers, logos, applications

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

Animations

Choose a start-up and closing animation (page 91) as well as a personal greeting (page 91).

Screensaver

Choose an analog clock or a personal picture (page 90).

(Provider) logo

Choose a personal picture (display in standby mode). (page 91)

Background image

Choose your own permanent background image (page 90).

Applications

Download your own applications from the Internet. (page 72)

Color scheme

Choose a color scheme for the entire service system (page 90).

Where do I get what?

You can order additional ring tones, logos, animations and screensavers on the Internet and receive them by SMS/MMS:

www.my-siemens.com/ringtones

www.my-siemens.com/logos

www.my-siemens.com/screensaver

www.my-siemens.com/animations

Or you can download them direct via WAP:

wap.my-siemens.com

Siemens City Portal

Additional applications, games and services for your mobile phone (e.g. a Photo Logo Composer to create personal pictures for your Address Book) can be found at:

www.my-siemens.com/city

The Siemens City Portal also provides a list of countries in which these services are available.

Favorites

Create your own menu with frequently used functions, phone numbers or WAP pages (page 87).

Dialing with number keys

The phone must be switched on (standby mode).



Enter number (always with area code, if necessary with 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 End key **briefly**. The call is ended. Press this key even if the person on the other end of the line has hung up first.

Set volume



Use the left side key to change volume (only possible during a call).

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

Redialing

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



Press Call key **twice**.

To redial other numbers that were dialed previously:



Press the Call key once.



Select required phone number from list, then press ...



... to dial.

Note

Save phone number (Phonebook).....	page 29
Save phone number (Address book).....	page 32
Options Call lists.....	page 37
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menu Call menu	page 26
Forward Set call forwarding	page 94
Speaker Speakerphone	page 24
Microphone off	page 26
Voice dialing.....	page 35
Auto Key Lock	page 94
Phone number transmission off/on (Hide ID).....	page 94
International dialing codes.....	page 120
Phone number memo.....	page 122
Control codes (DTMF).....	page 118

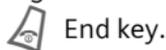
When a number is busy

If the number called 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

Automatic redial of last number

Auto Dial Press. The number is automatically redialed for up to 15 minutes at increasing intervals. End with:



or

Call back

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

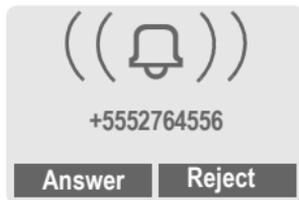


Reminder

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

Accept call

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



Answer Press.

or



Press.

The phone number is displayed if transmitted by the network. If the caller's name appears in the Phonebook or Address book, this will appear instead of the number. If set, a picture can be displayed instead of the bell icon (page 32).

Note

Please make sure you have accepted the call before holding the phone to your ear. This will avoid your hearing possibly being damaged by a loud ringtone.

Reject call

Reject

Press. The call will be forwarded if this has been set previously (page 94).

or



Press **briefly**.

Note

☎ Missed calls..... page 37
 Accept call using any key..... page 94
 Switch off ringer page 123



Use the left side key to regulate volume.

Speaker.

Deactivate.

Note: Acoustic Shock Warning

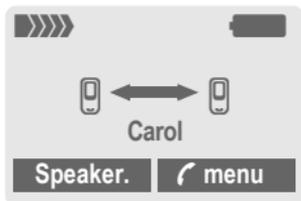
Always deactivate "SPEAKERPHONE" before holding the phone to your ear. This will avoid damage to your hearing.

You may notice a decrease in the overall talk/standby time depending on the amount of time the speakerphone is used.

☎ menu Call menu page 26

Speakerphone

The phone can be used as a speakerphone during a call." Be aware that the sound will come from the ear-piece.

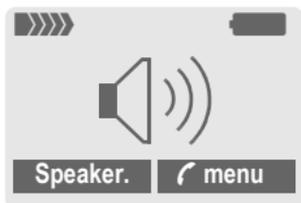


Speaker.

Activate handsfree talking.

Yes

Switch on.



Hold call

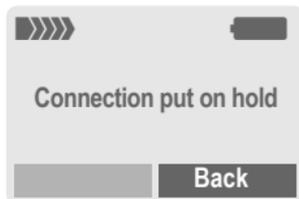
You can call another number during a call.

☎ menu

Open call menu

Hold

The current call is put on hold.



Now dial the new number (Phonebook/Address book ☎).

When the new connection is established:

☎ menu

Open call menu.

Swap

Swap back and forth between the calls.

Call waiting/Swap

You may need to register for this service with your service provider and set your phone accordingly (page 94). 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

Swap Accept the waiting call and put the current call on hold To swap between the two calls, proceed as above.

End the current call:



Press. The following is displayed: "Return to call on hold?"

Yes Return to held call.

or

No The held call is ended.

Reject waiting call

Reject Reject the waiting call.

or

Forward The waiting call is forwarded, for example, to mailbox.

End current call



End the current call.

Answer Accept new call.

Multi Party

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 enabled specially. You have established a connection:

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



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

menu ... open menu and Multi Party select. The call on hold is added in.

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

End



All calls in the conference finish simultaneously when the End key is pressed.

Call menu

The following functions are only available during a call:

 **menu** Open menu.

Swap (page 25)

Hold (page 25)

Microphone Switch microphone on/off. If switched off, the person on the other end of the line cannot hear you (muting).
Also:  hold down.

Speaker-phone (page 24)

Volume Adjust handset volume.

Multi Party (See above)

**Durat/
Charges** Display call duration and (if set, page 38) costs accruing during the connection.

Send DTMF (page 118)

Call transfer  The original call is connected 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).

Menu → Phonebook/Addressbook
(default directory)
→ Select function.

Show Entries

Entries in default directory
(Addressbook or Phonebook)
are shown.



Select a name with the
first letter and/or scroll.
The number is dialed.

<New Entry>

Create new entry in default
directory.

Phonebook (see page 29)

Addressbook (see page 32)

"Default Book" in the phone

Select either Phonebook or Address
book as your default directory.



Phonebook or Addressbook
select.

Select Set as default.

Businesscard

Create your own business card. Send
this by SMS, infrared or Bluetooth™
to another GSM phone or to a suit-
able PC/printer.

Menu → Phonebook/Addressbook
→ Businesscard

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



Move from field to field to
put in your details.

Last name:	Group:
First name:	Company:
Phone:	Street:
Phone/office:	ZIP code:
Phone/mobile:	City:
Fax:	Country:
Fax 2:	Birthday:
E-mail:	Reminder:
E-mail 2:	Picture:
URL:	

Save Press.

Note

The content of the business card corre-
sponds to international standards (vCard).



Copy numbers from Address
book/Phonebook.

Options See Address book menu
(page 34).

Groups

(see page 36)

Service numbers

(see page 122)

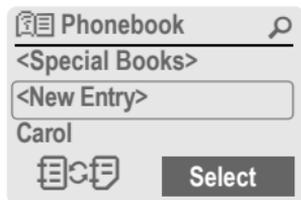
Entries in the Phonebook (on the SIM card) are managed separately from those in the Address book. You can, however, exchange data between the Phonebook and the Address book.

<New Entry>

If the Phonebook is set as default (Address book as default, page 28):



Open Phonebook (in standby mode).



Select <New Entry>.



Select input fields.



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

Number:

Always enter phone number with prefix.

Name:

Enter first and/or last names.

Location:

Default: SIM



Select the storage location such as SIM or Protected SIM (page 31).

Record no.:

Each entry is automatically assigned a record number. You can also dial using the record number (page 30).



Changing the record number.

Save

Press to store the new entry.

Note

 Temporary swap to Address book (page 32).

+List International dialing codepage 120
Store control codespage 118
Text entrypage 113

<Special Books>: <Own numbrs>: Enter personal phone numbers (page 121), VIP: Assign important phone numbers to group, <Service Numbr.>: see page 122.

Call (search for an entry)



Open Phonebook.



Select a name by entering the letters of the name and/or scrolling.



Dial number.

Icons in the open entry



Storage location (page 31)

Call using record no.

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



Enter record number.



Press.



Press.

Edit entry



Select entry in Phonebook.



Press and Edit select.



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 Into	Copy new entry/entries into Address book.
Copy All	Copy all entries into Address book.
Delete	Delete entry.
Delete All	Delete all entries after confirmation.
Mark	Activate selection mode, the entry currently selected is selected (page 120).
Mark All	Activate selection mode, all entries are selected (page 120).
Send/Print...	(page 109)
Import	Import entries and appointments via IrDA/Bluetooth™ in vCard format.
Capacity	Display maximum and available capacity.

Location:

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

SIM (standard)

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

Protected SIM

Phone numbers can be stored in a protected location on a special SIM card. A PIN 2 is needed for editing (page 19).

Activate with the function **Only**  (page 104).

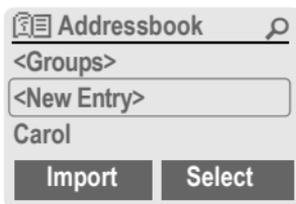
The Address book can store up to 500 entries, each with a variety of telephone and fax numbers as well as additional address details. These entries are managed separately from those in the Phonebook in the phone memory. However you can exchange data between the Address book and the Phonebook on the SIM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

<New Entry>

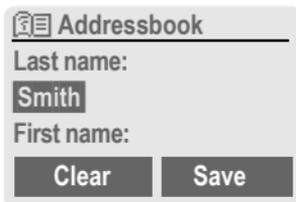
If the Address book has been selected as standard:



Open Address book
(in standby mode).



Select <New Entry>.



Enter first and/or last name.

Group

Entries can be organized by groups (page 36). Select with **Change**.



Make further entries, field by field.

Phone:	Company:
Phone/office:	Street:
Phone/mobile:	ZIP code:
Fax:	City:
Fax 2:	Country:
E-mail:	Birthday:
E-mail 2:	Reminder:
URL:	Picture:
Group:	

Picture

Select Assign an individual picture to an Address book entry. This picture will appear in the display when there is a call from this particular number (see File Manager, page 88).

Input fields

Select the individual fields that you want.

Setup Press, then mark the selected input fields.

Save

Save the new entry.

Note

<Groups> Group functions (page 36).

Birthday After entering the date of birth, the "reminder box" can be activated. Now you can enter the date and time of the reminder in the organizer calendar.



Copy data from another Address book entry.

Import

The phone is ready to receive multiple vCard entries via IrDA or Bluetooth™ (page 109).

+List

Copy international dialing code from the list (page 120).



Temporarily switch to the Phonebook.

Synchronizing with a PC

Using XTNDConnect® PC (page 126) you can synchronize your Address book with Outlook® or Lotus Notes™.

Using **Remote Sync**, you can synchronize your mobile with an organizer stored on the Internet (page 83).

Smith, John

Group: No Group

055512345

Change

Save

Change

Open entry.



Make changes.

Options See below.

OK

Save the setting.

Right soft key:

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

VoiceDial Voice dialing menu (page 35).

E-mail Create e-mail (page 59).

Link Visit URL (page 69).

Show Display corresponding picture.

Read/change an entry

Open Address book (in standby mode).



Select required entry.

View

Press.

Call (search for an entry)



Open Address book
(in standby mode).



Select a name by entering
the letters of the name
and/or scrolling.



The number is dialed.

If an Address book entry has several
numbers stored:



Select phone number.



The number is dialed.

Address book 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 entry for changes.
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 confirmation.
Mark	Switch on highlighting mode (page 120).
Mark All	Activate highlighting mode, all entries are highlighted (page 120).
Filter	Display only those Address book entries with the follow- ing criteria: <ul style="list-style-type: none"> • Voice dialing • E-mail • URL • Birthday • Picture
Business- card	Define an entry as your own business card.
Voice dialing	Apply voice dialing to an entry (page 35).
Send/Print...	(page 109)
Import	Import entries via IrDA/ Bluetooth™ in vCard format.
Capacity	Display maximum and free capacity.
Field setup	When creating a new en- try, only the fields that have been selected are dis- played.

Voice dialing

Dial numbers by voice command. Up to 20 recorded names for voice dialing or voice commands (page 82) can be saved on the mobile (not on the SIM card).

Record



Open Address book (in standby mode).



Select a name by entering the letters of the name and/or scrolling.

Options

Open menu.

Voice dialing

Select.



Choose the phone number, if there are more than one.

Record

Press.

Start

Start recording.

A short beep sounds. Now speak the name. After a second beep and message is displayed, **repeat** the name. A third 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



Long press on **bottom** of **left** side key (in standby mode).

Now say the name. The number is dialed.

Note

Noisy environments may adversely affect voice recognition. If recording was unsuccessful, press the side key again and repeat the name.

9 groups are preset in your phone to enable you to arrange your Address book entries clearly. You can rename seven groups.

Menu → Addressbook → Groups

or



Open Address book (in standby mode).

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



VIP Select.

Options Open menu.

Rename Group

Select and give group a name.

Note

- SMS to group (page 50).
- Special cases:

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

Receiving: Contains vCard Address book entries received by IrDA or SMS (name cannot be changed).

Group menu

Options Open menu.

Open Display all members of the selected group.

View Address book, page 33.

Options See page 34.

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

Rename Group Change name of group.

Group Symbol

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



Select group.

Options Open menu.

Group Symbol

Select.



Choose a symbol.

OK

Confirm.

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

Menu → Call Log

Select Press.



Select call list.

Select Press.



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 control key (on the left) to display phone number.

Requirement: The network supports the "Caller Identity" feature.

Received Calls

Accepted calls are listed.
Requirement:

The network supports the "Caller Identity" feature.

Dialed Calls

Access to the last numbers dialed.



Fast access in standby mode.

Clear Log

The contents of all call lists are deleted.

Call list menu

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

Options Open list menu.

View	View entry.
Correct No.	Load number to display and edit there if necessary.
Copy Into 	Store entry in the Address book/Phonebook.
Delete	Delete entry after confirmation.
Delete All	Delete all entries in call list after confirmation.

Note

Durat/Charges page 38

The Call Duration/Charges feature is a network operator dependent feature and may not be available. 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 → Call Log → Durat/Charges

Select type of call:

Last Call

All Outg. Calls

All Incom. Calls

It shows All Outg. Calls and All Incom. Calls in my phone.

Select Display the data.

When displayed, you may do the following:

Reset Clear display.

OK End display.

Charge Setting

Menu → Call Log → Durat/Charges
→ Charge Setting

Currency 

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

Personal Rate 

Enter the charges per unit/period.

A/c limit 

(PIN 2 query)

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 PIN 2.

A/c limit Activate.



Enter number of units.

OK Confirm.

Then confirm the credit or reset the counter. The status display for pre-paid cards may vary, depending on the service provider.

All Calls

Total cost, incoming and outgoing calls.

Incoming calls

Costs for incoming calls are also calculated/communicated.

Auto Display

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

Calendar

Menu → Organizer → Calendar

You can enter appointments and tasks in the Calendar. It offers a

- monthly overview,
- weekly overview,
- daily overview.

Time and date must be set for the Calendar to work correctly (page 97).

Monthly overview

Tu	Nov 2002							W45
				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			
Week				Agenda				



Scroll between weeks.



Scroll between days.

Week

Display weekly view.

Agenda

List of the day's appointments and tasks.

Note

Calendar days in bold face indicate appointments or birthdays (page 41) on this day.

Weekly overview

Tu	Nov 2002						W45
M	T	W	T	F	S	S	
4	5	6	7	8	9	10	
6							
12							
18							
Day				Agenda			



Scroll by the hour from 0:00 to 24:00 hours.



Scroll between days.

Day

Display the daily overview.

Daily overview

Tu	Nov 2002						W45
0	4	8	12	16	20		
1	5	9	13	17	21		
2	6	10	14	18	22		
3	7	11	15	19	23		
Month				Agenda			

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



Scroll between days.

Note



Appointments are displayed by vertical bars.

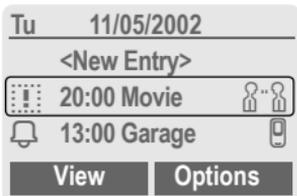


Time overlaps in appointment entries are highlighted.

You can use the plus-minus side keys on the phone to scroll between the months or weeks depending on the current overview.

Agenda

Agenda Select in the current overview.



Appointments (page 41) and, where applicable, any open tasks (page 43) for the current day are displayed in chronological order in the agenda.

<New Entry>

Create new entry as appointment or as task.

Calendar options

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

Options Open menu.

View	Display entry.
Activate/Deactivate	Switch alarm on/off.
Done	Change task to "completed."
Edit	Open entry to make changes.
New Entry	Create new entry as Appointment (page 41) or Task (page 43).

Delete	Delete selected entry.
Delete All	Delete all entries after confirmation.
Delete Until	Delete all entries prior to a certain date.
Delete done	Delete all completed tasks.
Mark	Activate highlighting mode, the currently selected entry is highlighted (page 120).
Mark All	Activate highlighting mode, all entries are highlighted (page 120).
Send/Print...	(page 109)
Import	Import tasks and appointments via IrDA/Bluetooth™ in vCal format.(page 112)
Capacity	Display available capacity.

Note

For additional Calendar settings, see below under **Setup**.

-  Appointment with "alarm activated".
-  Appointment with "alarm deactivated".
-  Task.
-  Priority task.
-  Task completed.
-  Task deadline exceeded.

Synchronize with PC

With XTNDConnect® PC (page 126) you can synchronize your appointments with Outlook® or Lotus Notes™.

With **Remote Sync**, you can synchronize your phone with an organizer stored on the Internet (page 83). For this a time zone must be set (page 97).

Calendar settings

Menu → Organizer → Calend. Setup

Birthdays

Birthdays (and other events) are shown in bold face.

Begin of Week

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

Alarm

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 45).

List according to type

Types Appointment types are displayed.



Select appointment type.

Select

Show all appointments of the selected type.

Enter new appointment



Select <New Entry>.



Make the entries field by field.

Edit

Browse through displays in the selection fields.

 **New Entry**

Type: **Memo**

Description:

Change **Save**

Type:**Memo.**

Description with up to 50 characters.

**Call.**

Enter phone number.
Shown with alarm.

**Meeting.**

Description with up to 50 characters.

**Speech Memo.**

Recording a voice memo at the end of input procedure (see also page 46).

Description:

Display in the agenda list.

Location:

Location of appointment, e.g. meeting room.

Start date:**Start time:****End date:****End time:****Alarm:**

Activate alarm.



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



Select:

Minutes, Hours, Days.

Reoccurrence:

Select a timeframe for repeating the appointment:

None, Daily, Weekly, Monthly, Annual.

Enter a parameter for repeating:

Forever, Until, Occurrences (number)

If **Weekly** is selected, certain weekdays can be highlighted.



Save the appointment. The alarm is automatically activated. If **Speech Memo** is selected as type, the voice recorder is started for recording (page 46).

Alarm

When the set date and time are reached there is an audible and a visual alarm. If an alarm is missed it appears in the list of missed appointments (page 45).

Alarm type **Memo/Meeting**: the text is shown in the display.

Alarm type **Call**: the phone number is displayed for dialing.

Alarm type **Speech Memo**: to display, press the key on the right side of the phone.

Pause The alarm stops for 5 minutes.

Off The alarm is stopped.

Note

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

Display indicating that alarms are set:

 Alarm.

 Appointments.

Deactivate all alarms..... page 76

Set alarm tone..... page 92

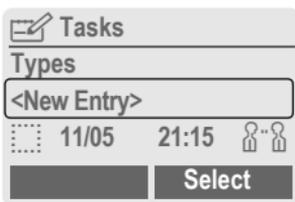
Clock..... page 97

Options..... page 40

Tasks

Menu → Organizer → Tasks

Like an appointment, a task is displayed in the agenda of the selected day. However, unlike an appointment it does not require a time. When this is the case, the task appears daily at the top of the list until it is marked completed.



List according to type

Types Types of appointments are displayed.



Select appointment type.

Select

Show entries for the selected type.

Enter new task



Select <New Entry>.



Select task type (see appointments, page 41).

Description:

Display the list.

Status:

Choose between: **Done** or **Outstanding**

Priority:

Select between 1 (high) - 5 (low).
Default is 3.

Date in use:

When **Yes** is selected, the following option is provided.

Due date:

Enter the date the task is due.

Due time:

Enter the time the task is due

Alarm:

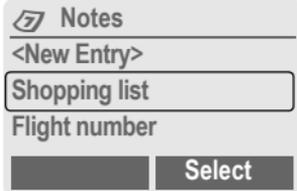
Enter a time (0-99) and a time unit (minutes, hours, days) at which an audible/visual notification of an impending task should be made.

Save Save task.

Notes

Menu → Organizer → Notes

Use your phone as a notepad.

**New entry**

Select <New Entry>.



Enter text, 150 characters maximum.

Options Open menu.

Save Store entry.

Text entry menu

Options Open menu.

Save	Store entry.
T9 Input (page 114)	T9 Preferred: Activate/deactivate T9. Input language: Select language for text.
Line Feed	Enter line break.
Delete Text	Delete note.
Send via SMS	Send entry as SMS message.
Insert From...	Insert information from the address book or the phone book.

Display entry



Select entry.



Open note.

Notes menu



Open menu.

View	Display entry.
Confidential	Protect note with phone code (page 19).
Edit	Display entry for editing.
New Entry	Create new note.
Delete	Delete entry.
Delete All	Delete all notes after confirmation.
Delete Until	Delete all entries prior to a certain date.
Mark	Switch to highlighting mode (page 120).
Mark All	Activate highlighting mode, all entries are highlighted (page 120).
Send via SMS	Send entry as SMS message.
Import	Import notices via IrDA/Bluetooth™ in vNotes format (page 112).
Capacity	Display available capacity.

Note

Protect confidential data with phone code (page 19).

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

A total of 500 entries can be stored (appointments, tasks, notes) in the organizer.

Enter special characters.....page 113

Missed appointments

Menu → Organizer → Missed Alarms

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

Missed Alarms			
	11/03	21:15	
	11/05	12:30	
	11/05	18:00	
View		Options	

Missed appointments menu

Options Open menu.

View	Display entry.
Delete	Delete entry.
Delete All	Delete all entries after confirmation.
Send/Print...	(page 109)

Voice Memo

Use the voice memo to record short voice memos.

- Use your phone as a voice recorder when on the move.
- Record a memo as a reminder or as a note for others.
- Add a voice memo to an alarm in the Calendar (page 42).
- Record a call - useful for remembering numbers or addresses.

Note

The use of this feature may be subject to legal restrictions under criminal law.

It is important to inform the other party to the conversation in advance if you want to record the conversation, and to keep such recordings confidential.

You may only use this feature if the other party to the conversation agrees.

Control using the side keys

In standby mode, the operation is made quickly and simply via the side key.



New recording

Hold down the voice memo key throughout the recording. The maximum possible recording period is shown. Recording starts after a short beep.

Pause

For a recording pause release the voice memo key for a maximum of 10 seconds. If you press the key again, recording is resumed, otherwise it will finish.

Save

Releasing the voice memo key for longer than 10 seconds will finish the recording.

Stop

End recording.

Recording is automatically saved with a time stamp.

Save

Name recording.

Save

Save recording.

Play back

In standby mode, press voice memo key **briefly**. If the Options menu is set up accordingly, **Speakerphone** will be offered (see following).

Operation with display keys

New recording

Menu → Organizer
→ Voice Memo

The list of recordings is opened.

New Select.

Record Start recording

Pause Recording pause.

Stop End recording.

Recording is automatically saved with a time stamp.

Save Name recording.

Save Save recording.

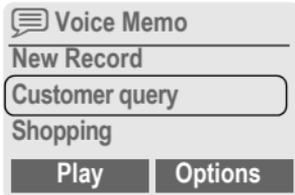
or

Play Play back recording before storing it.

Display

Menu → Organizer
→ Voice Memo

The list of recordings is opened.



Select recording.



Press.

Voice Memo menu

Options Open menu.

Play	Play recording back.
Speakerphone	Activate/deactivate playback in handsfree mode.
New Record	Start new recording.
Delete	Delete selected recording.
Delete All	Delete all entries after confirmation.
Rename	Replace time/date stamp of recording with a name.

Time Zones

Menu → Organizer → Time Zones

Set the time zone for where you currently are. (page 97)

The phone supports SMS.

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

In addition, you can insert pictures and sounds in an SMS.

Depending on the service provider, e-mails and faxes can also be sent and e-mails received via SMS (change setting if necessary, page 63).

Writing and sending text messages (SMS)

Menu → Messages → New SMS



Text input using "T9" (page 114) allows you to create longer messages very quickly, using just a few key strokes.

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



Press.



Dial number or select from Phone- or Address book.

Groups SMS to group (page 50).

OK

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

OK

Return to Edit mode.

Display in the uppermost line:

SMS 1 739

We start at 8

abc/Abc/
ABC/123

T9 active.

Switch between uppercase/lower-case letters and digits

SMS

Display title.

1

Number of SMS messages required.

739

Number of characters still available.

Note

Insert pictures & sounds into text .page 49
 SMS profile.....page 63
 If necessary **Message type, Validity period, Service Center** will be requested page 63
 SMS status report.....page 123
 Enter special characters.....page 113

Text menu

Options	Open text menu.
Send	Enter recipient's phone number/select from Phonebook/Address book, then send.
Save	Save composed text in draft list.
Picture& Sound	Add pictures, animations and sounds into message (see following text).
Text Modules	Insert text blocks (page 114).
Format	Line Feed Small font, Medium font, Large font Underline Left, Right, Center (align) Mark text (highlight text using control key)
Delete Text	Delete the whole text.
Insert From...	Insert entry from Phonebook/Address book.
T9 Input (page 113)	T9 Preferred: Activate/deactivate T9. Input language: Select language for text.
Print via IrDA	Send SMS to a suitable printer.
Send via ...	Select an SMS profile for transmission (page 63).

Picture&Sound

Insert pictures and sounds into message.



Compose message.

Options

Open text menu at the end of a word.



Select **Picture&Sound**

The menu contains:

Fix animations

Fix sounds



Select range.

Select

Confirm.

The first entry of the selected range is displayed.



Scroll to entry required.

When **Fix animations/Fix sounds**:

Select

the selection is added to the SMS.

When **Own animat./Own pictures/Own sounds**:

Load

the selection is displayed/played back.

Select

the selection is added to the SMS.

Note

Playback only occurs if the destination phone supports the EMS standard (page 119).

In input mode, when sound is selected, it is shown as a wildcard.

SMS to group

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

Options Open menu.

Send Select.

Groups Press. The Address book is opened in highlighting mode (page 120). There are the following options:

- Highlight individual entries.
- <Groups> Select, open a group and highlight individual entries/all entries there
- <Groups> Select. Select a group.

Send Press. The first of the highlighted recipients is displayed. If this recipient has several phone numbers, one number can be selected.

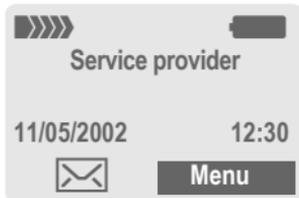
Skip Skip recipient.

Send Transmission is started after confirmation.

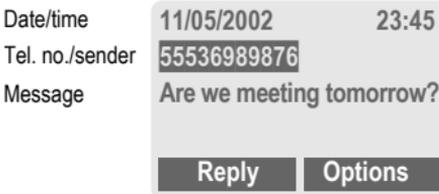
Read SMS



Display indicates a new SMS.



Press the left soft key to read message.



Scroll through message line by line.

Reply See below.

Options (see page 52).

Note

Pictures and sounds in SMSpage 49

Message store fullpage 121

Use **highlighted** phone number/e-mail address/WAP addresspage 122

Reply menu

Reply Open reply menu.

Write mess.	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 Delay	Add a standard text as a reply to the SMS.
Thank You	

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

Ringtones, icons ...

You can receive ringtones, icons, screensavers and animations via an SMS in which a link is shown. Please highlight this link and by pressing the Call key , start the download.

Please ensure that the HTTP profile (page 74) and the connection (page 102) are configured.

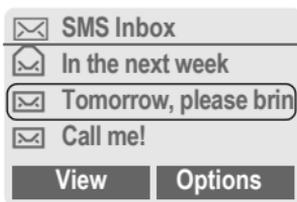
Lists

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

Inbox

Menu → Messages → Inbox → SMS

The list of received SMS messages is displayed.



Draft

Menu → Messages → Draft → SMS

The list of the not yet transmitted SMS messages is displayed.

Unsent

Menu → Messages → Unsent → SMS

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

Sent

Menu → Messages → Sent → SMS

The list of sent SMS messages is displayed.

Lists menu

Each list offers different functions:

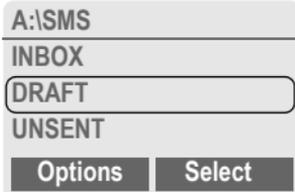
Options Open menu.

View	View entry.
Reply	Directly answer incoming SMS messages.
Delete	Delete selected SMS messages.
Delete All	Delete all SMS messages after confirmation.
Send	Dial number or select from Phonebook, then send.
Edit	Open SMS message to edit.
Capacity	Display free capacity on SIM card/phone. In case of segments: number of concatenated SMS messages.
Set as Unread	Mark message as unread.
Save No.to 	Copy a highlighted phone number to Phone/Address book.
Archive	Move SMS message to archive.
Print via IrDA	Send SMS message to a suitable printer.
Send via ...	Select an SMS profile for transmission (page 63).
Picture& Sound	Save pictures or tones from the SMS.

Archive

Menu → Messages → SMS Archive

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



	Unread
	Read
	Draft
	Sent
	Entry on SIM card.
	Concatenated message.

Different functions are available, depending on context:

Archive menu

Options Open menu.

View	View entry.
Send	Dial number or select from the Phonebook, then send.
Edit	Open editor for changes.

For further services, see **File Manager**, page 88.

The **M**ultimedia **M**essaging **S**ervice enables you to send texts, pictures (including photos) and sounds in a combined message to another mobile phone or an e-mail address. All elements of an MMS message are merged to form a "slide show" that can be previewed on the phone before sending.

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

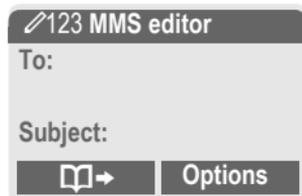
Ask your service provider whether this service is available. You may need to register for this service separately.

Writing/sending MMS messages

Menu → Messages → New MMS

An MMS message includes address header and content. Standard messages are available, which you can change as you like.

The content used to create an MMS has to come from the MyData folder in the File Manager.



Enter MMS address



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



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

Options

MMS main menu (page 55).

Note

No more than 20 phone numbers/addresses, (of 50 characters each) can be addressed.

Create MMS content

An MMS message can consist of a series of pages, each one of which may include a combination of text, sounds and pictures.

Texts can be written with the help of T9 (page 114).

Pictures and **graphics** produced with accessories such as digital cameras can be attached in JPEG, BMP, WBMP, PMG or GIF format. See also **File Manager**, page 88.

Music is sent and received in a MIDI file, single tones/noises in an AMR file. Up to 16 KB can be played back.

The content received in an MMS is saved in the File Manager in one of the MyData\ sub folders.

Options Open menu.

New Slide Select.

The following input is possible on each page:

Picture/animation

Insert The picture list is opened for selection (see also **File Manager**, page 88).

Text

Edit Write text with the help of T9. Text menu see below.

Tones/Alerts

Insert The music list is opened for selection (see also **File Manager** page 88).

Slide duration



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



Scroll page by page with the left side key.



Scroll line by line with the control key.

Check MMS

Check the MMS message before sending it:

Options Open menu.

Preview slide

View a single page.

Preview Play back the whole MMS in the display.

Press any key to break off. Scroll down with left side key or control key.

To send MMS

Options Open menu.

Send Select.

Text menu

Options Open menu.

Line Feed	Start new line.
Save	Save MMS text.
Text Modules	Insert text block (page 114).
Delete Text	Delete the whole text.
T9 Input (page 113)	T9 Preferred: Activate/deactivate T9. Input language: Select language for text.

Delete slide	Delete page currently displayed.
Preview slide	Playback of complete page.
Slide List	Display the pages available for selection.
Preview	Playback of complete MMS. Press any key to break off.
T9 Input (page 113)	T9 Preferred: Activate/deactivate T9. Input language: Choose language in which the text is to be written.

MMS menu

Different functions are available, depending on context:

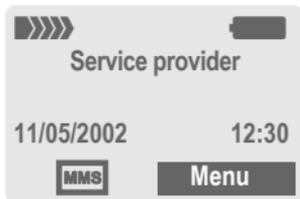
Options Open menu.

Insert Line	Extend address field by one line.
MMS editor	Open MMS to edit.
Save	Store MMS in the draft list.
Send	Send MMS.
Insert From...	Insert number from Phonebook/Address book and appointments/tasks.
Delete Text	Delete the whole text.
New Slide	Insert new page behind current one.
Remove Item	Delete element on a page.

Receive/read MMS



Indicates reception or notification of an MMS.



To read the MMS press the left soft key.

Depending on the setting, (page 64) the

- complete MMS is played back or
- the notification is opened.

Receiving Press to receive the complete MMS.

Press any key to break off function.



Scroll down page by page with the left side key.



Scroll line by line with the control key.



Call up individual pages directly by number key.

Attachment

A single MMS can contain several attachments.

Options Open menu.

Attachment Select.



Select attachment.

Open

The attachment is opened with the available application.

Save

The attachment is saved under a name.

Content

Pictures and sounds received in an MMS can be saved separately. To do this, stop the MMS by pressing any key, or alternatively scroll through to the required page.

Options Open menu.

Content Select.

Continue as with attachment above.

Lists

All MMS messages are saved in various lists:

Inbox

Menu → Messages → Inbox → MMS

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

Draft

Menu → Messages → Draft → MMS

The list of stored drafts is displayed.

Unsent

Menu → Messages → Unsent → MMS

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

Sent

Menu → Messages → Sent → MMS

The list of sent MMS messages is displayed.

Lists menu

Each list offers different functions:

Options Open menu.

Play	Play back MMS.
Change	Open edit mode for changes.
Reply	Reply to MMS immediately.
Receive MMS	Only start inward transmission of MMS when notification is highlighted (page 64).
Receiv.all MMS	Start receipt of all MMS messages.
Forward	Forward MMS to new recipients.
Delete	Delete selected MMS messages.
Delete All	Delete all entries after confirmation.
Set as Un-read	Mark MMS as unread.
Save No.to 	Copy phone number/e-mail address into Phonebook/Address book.
Attributes	Information on MMS is displayed: <ul style="list-style-type: none"> • Sender • Arrival time • Subject • Size • Priority

Capacity	Size of current MMS as well as capacity still available are shown.
Preview slide	Play back current page.
Slide List	Display pages available for selection.
Attachment	Open list of attachments received.
Content	Selection of page contents to be archived, such as picture or sound.
Save	Store MMS in outbox list.

Icon:**Importance:**

MMS unread



MMS read



MMS draft



MMS sent



MMS read and forwarded.



MMS read with dispatched confirmation.



Notification unread.



Notification read.

Your phone has its own e-mail client. You can use it to create and receive e-mails.

The content received in an e-mail is saved in the File Manager in one of the MyData\ sub folders.

The content used to create an e-mail has to come from the MyData folder in the File Manager.

Write/send e-mails

Menu → Messages → New E-mail

Enter e-mail address



To: E-mail address of recipient(s).

Cc: E-mail address for the copy recipient.

Bcc: E-mail address for blind copy recipient.

Attachments: See below.

 Press **briefly** to write special characters such as @ (page 113).

T9 helps you write e-mails (page 114).



Subject: Enter e-mail header (up to 200 characters).



Text: Enter text.

Options

Open menu.

Send

Send e-mail.

Add attachments

A file from the file manager (e.g. ringtone) can be inserted in an e-mail as an attachment (page 88).

Attach. Open file manager.



Select file to be inserted.

Mark

Highlight file.

OK

Copy file as an attachment.

E-mail editor menu

Options Open menu.

Insert Line	Extend address field by one line.
Delete	Delete line in address field.
T9 Input (page 113)	T9 Preferred: Activate/deactivate T9. Input language: Select language for text.
Text Modules	Insert entry from Phone-book/Address book.
Attachments	See above.
Save	Save in draft list.
Send	Establish connection with server and send e-mail. If necessary, select different access (page 102).
Send Later	Transfer to outbox list to be sent later.

Receive e-mail

Menu → Messages → Inbox
→ Receive E-mail

Before an e-mail can be read, it must be retrieved from the server. The service provider is dialed with the set access profile and all e-mails are transmitted to the inbox list (page 102).

Note

The e-mail client always receives complete messages including header, content and, if applicable, attachments. You can restrict the size of the received messages (page 65).

A maximum of 50 e-mails can be stored in the phone. E-mail size is limited to 99 KB.

Synchronizing with a PC

With XTNDConnect® PC (page 126) you can synchronize your incoming/outgoing e-mails with Outlook® or Lotus Notes™.

Read new e-mail

Menu → Messages → Inbox → E-mail



Select e-mail.

View

The e-mail is displayed.



Switch between small, normal and large font sizes.



Scroll line by line with the control key.



Scroll page by page with the left side key.

The left soft key offers different functions depending on which text segment has been selected:



E-mail addresses/phone numbers in the message are **highlighted** and can be stored in the Address book.



Dial phone number or start new e-mail.

Save

Save attachment (e.g. bitmap).

Reply

Reply to sender.

Link

Start WAP browser and visit URL (page 69).

E-mail	with attachment	Importance
		Unread
		Read
		Draft
		Sent



Read menu

Depending on the situation, different functions are available.

Options Open menu.

Reply	The original e-mail is retrieved. The sender is entered as recipient and can be changed as can the header and CC.
Reply to all	As above, but all recipients are listed in "Send to" field.
Forward	The original e-mail is retrieved. Enter the new recipient to whom it should be forwarded.
Delete	Delete selected e-mail.
Copy Into	Copy to addressbook.
Save attach.	The attachment is stored in the file manager (page 88).
Change font	Select font size.

Lists

All e-mails are stored in various lists:

Inbox

Menu → Messages → Inbox → E-mail

The list of received e-mails is displayed.



Select e-mail.

View

The e-mail is displayed for reading.

Draft

Menu → Messages → Draft → E-mail

The list of draft e-mails is displayed.

Unsent

Menu → Messages → Unsent → E-mail

The list of not yet transmitted e-mails is displayed.

Menu → Messages → Unsent
→ Send E-mail

Transfer to server all e-mails waiting for transmission.

Menu → Messages → Unsent
→ Snd/Rec. Mail

Transfer to server all e-mails waiting for transmission and receive all new e-mails from server.

Sent

Menu → Messages → Sent → E-mail

The list of transmitted e-mails is displayed.

List menu

Each list offers different functions:

Options Open menu.

View	(page 60)
Edit	Edit e-mail.
Reply	The original e-mail is retrieved. The sender is entered as recipient and can be changed, as can the header and CC.
Reply to all	As above, but all recipients are listed in the "Send to" field.
Forward	The original e-mail is retrieved. Enter the new recipient to whom it should be forwarded.
Delete	Delete selected e-mail in phone.
Delete All	Delete all e-mails in phone.
Sort	Sort <ul style="list-style-type: none"> • By subject • By sender • By recipient • By date/time • By status <p>Not all sort criteria are possible in all lists.</p>

Send E-mail	Establish connection with server and send e-mails.
Receive E-mail	Establish connection with server and receive incoming e-mails.
Snd/Rec. Mail	Establish connection with server, send e-mails and receive incoming e-mails.

SMS profile

Menu → Messages → Msg. Setup
→ SMS

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.

Options Open menu.

Change Sett.

Select.

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

Recipient Enter the standard recipient for this transmission profile or select from Phonebook.

Status Report You will receive confirmation whether delivery of a message has been successful or unsuccessful. This service may be subject to a charge.

Direct Reply
 The reply to your message is handled via 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 98). Ensure that your service provider offers this function.

Send & Save Sent SMS messages are saved **Sent** in the list.

Activate profile



Select profile.

Activate Press to activate profile.

MMS profile

Menu → Messages → Msg. Setup
→ MMS

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



Select profile.

Options Open menu.

Change Sett.

Select.

Validity period

Select the period in which the service center should 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.

Def. Priority

Send priority: Medium, High, Low

Def. Duration

Length of display for an MMS page (standard requirement).

Retrieval

Receive complete MMS or only notification of arrival.

At once

Receive complete MMS immediately.

Auto.homenet

Receive complete MMS immediately in home network

Manual

Only the notification is received.

MMS RelaySrv.

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

IP Settings

1. IP address:
Enter IP address.

2. IP address:
Enter IP address

1. Port: Enter port number.

2. Port: Enter port number.

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

Conn.pro-file:

Select or set connection profile (page 102).

Activate profile



Select profile.

Activate

Press to activate profile.

E-mail profile

Menu → Messages → Msg. Setup
 → E-mail
 → Select function.

The profile information should already be set-up on the phone. If not, please contact your service provider.

A profile can/must be set for each message type in which the settings are fixed. You will find extensive information in the user guide available from the Siemens web site or on a CD-ROM if provided with this handset.

See also on the Internet at:

www.my-siemens.com/s56

Note

Your service provider must support the following protocols for successful data exchange with the e-mail server:

POP3, IMAP4 and SMTP or eSMTP.

E-mails will be MIME-encoded for transmission.

Encryption of e-mail transmission (SSL, APOP) is not possible at present.

E-mail access

5 access profiles can be defined. If no access data have been defined for the profile, the entry card is displayed.

Alternatively:

Options Press.

Change Sett.

Select, then:

User settings

Provider	Select supplier.
User name:	Your name.
E-mail addr.: *	Your e-mail address, e.g.:name@domain.abc
Reply-t.addr.:	Additional e-mail address for replies.
User ID: *	Your user ID.
Password: *	Your password.

Mail settings

Downl. only mails smaller than <10> KB	Set maximum size for incoming e-mails.
Leave copy on server?	E-mails will remain on the server after retrieval or will be deleted.
POP3 server: *	Enter Internet address if the server type is POP3 and SMTP.
POP3 Port: *	(standard value: 110)

* Your service provider will supply you with this information.

IMAP4 *	Enter Internet address if the server type is IMAP4 and SMTP.
IMAP4 Port: *	(Standard value: 143)
SMTP server: *	Enter Internet address.
SMTP port: *	(default value: 25)
SMTP Authentic.:	Authentication: Yes/No
SMTP Password:	A user password will be required if "Authentication" is set on Yes.

* Your service provider will supply you with this information.

OK Save and activate settings.

Gen. setting

Enter the preset default of an e-mail address for blind-copy recipient (Bcc).

Activate profile



Select profile.

Activate Press to activate profile.

Menu → Messages → Msg. Setup
→ Voice Message

Most service providers supply an external voicemail service. A caller can leave a voice message for you using this service if

- your phone is switched off or not ready to receive,
- you do not want to answer,
- or you are making a phone call (and **Call Waiting** is not activated, page 25).

If voice mail is not part of your service provider's package, you will need to register and settings may have to be made manually. The following description may vary slightly, 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 voice mails left for you.

Menu → Messages → Msg. Setup
→ Voice Message



Select number from Phonebook or enter/change it.

OK

Confirm.

Save call forwarding number

Calls are forwarded to this phone number.

Menu → Setup → Phone Setup
→ Call Forward
→ e.g. Unanswered → Set

Enter call forwarding number.

OK

Registration with network. Forwarding will be confirmed in a few seconds.

Further information on call forwarding can be found on page 94.

Listen to



A new voice mail can be displayed as follows:



Icon plus beep.

or



A text message announces a new voice mail **or**

you receive a call with an automatic announcement.

Call your mailbox and play the message(s) back.



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

Away from your home network you may have to dial a different Mailbox number and enter a password before you can listen to any messages.

Menu → Messages → Msg. Setup
→ CB Services

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

Broadcast

You can activate and deactivate the Cell Broadcast (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

Add an unrestricted number of topics to this personal list from the topic index (**Topic Index**). You can preset 10 entries with their channel numbers (ID) and, if necessary, their names.

New Topic

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 confirm with **OK**.

Selection from a list

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.

To "full page view":

 , then press **View CB**.

Topic Index



The list of topics is displayed for you to choose from. If nothing is displayed, you must enter the channel numbers (ID) manually (**Topic List**). Please contact your service provider for details.

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.

Internet browser (WAP)

Get the latest WAP information from the Internet, specifically adapted to the display options of your phone. You can also download games and applications onto your phone. Internet access may require registration with the service provider.

The content downloaded during a WAP session is saved in the File Manager in one of the protected non-My-Data folders. This content can be used by the phone, but cannot be forwarded out of the phone.

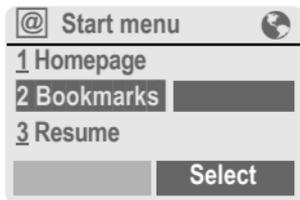
Internet access



Menu → Surf & Fun → Internet

"Internet" may be replaced by a name provided by the Service Provider. If necessary, set the way in which WAP access should be made (see **Browser menu**, **Setup**, **Start with...**, page 70).

For example, the start menu appears:



Select required function



Confirm.

Start menu

Homepage	The connection to the provider's portal is set up. This may be defined or pre-set by your service provider.
Bookmarks	Up to 50 URLs are stored in the phone for fast access.
Resume	Call up recently visited pages that are still in memory.
Inbox	Inbox for messages from WAP server (WAP push).
Profiles	The list of profiles is displayed for activation/setting (page 71).
Exit browser	Close browser and clear down connection.

Note

Additional operational advicepage 124

End connection



Hold **down** to stop the connection and to close the browser.

Browser menu

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



Press

or



confirm.

Homepage	The connection to the provider's portal is set up. This may be defined or pre-set by your service provider.
Bookmarks	Up to 50 URLs are stored in the phone for fast access (page 125).
Resume	Call up most recently visited page still in memory.
Go to...	Enter URL to access WAP page directly, e.g. wap.my-siemens.com Select from list of most recently visited WAP addresses.
Reload	Reload page.
Inbox	Inbox for messages from WAP server (WAP push).
Disconnect	End connection.
More ...	See below.
Exit browser	Close browser and clear down connection.

More ...

Profiles	The list of profiles is displayed for activation/setting (page 71).
Reset	Restart session and clear cache.
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"> • Secure prompt • Current certificate • CA certificates • Private Key PINs • Encryption <p>Start with...</p> <ul style="list-style-type: none"> • Start menu • Browser menu • Homepage • Resume • Bookmarks <p>Picture&Sound</p> <ul style="list-style-type: none"> • Pictures • Dithering • Sounds
About Openwave	Display browser version.

Your Internet browser is licensed by:



OPENWAVE™



Notes

Browser menu



Offline.



Online.



GPRS Online.



No network.



Select special characters, such as @, ~, \, see page 113

or



press repeatedly for:

.,?!@/&~+ -=

WAP profiles**Menu** → Surf & Fun → Internet
→ Profiles

The name "Internet" may be replaced by a name provided by the Service Provider.

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

- Settings have already been installed by provider. You can start immediately.
- Access profiles for a number of providers have already been set. Select profile and activate.
- Access profile must be set manually.

If necessary, check with service provider for details.

Activate WAP profile

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



Select profile.



Activate. The current profile is highlighted.

Set WAP profile

Up to 5 WAP profiles can be set (if not barred by provider). The entries may vary depending on service provider:



Select profile.



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 lingers-time:	Time in minutes after which a connection should be ended if no input or data exchange takes place.
CSD lingers-time:	Time in seconds after which a connection should be ended if no input or data exchange takes place.
Conn. profile:	Selection or ending of access profile (page 102).

* depends on service provider, if necessary, enter 2nd IP address and 2nd port



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 to download it immediately. Then you can use the application.

Most applications include instructions.

Note

To download applications, the WAP profile (page 71), HTTP profile (page 74) and access (page 102) must be configured.

Java™ information page 121

Sounds (ringer)/
silent alert on/off page 92

Applications and games can be found from your service provider or at:

wap.my-siemens.com

or on the Internet at:

www.my-siemens.com/city

Games and applications

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

Menu → Surf & Fun → Games & More

Games & More

★ Application

★ Game

🌐 MySiemens

Options

Select

Different functions are available depending on which entry is highlighted:

★ Start game/application offline

Select

Executable application can be started immediately.

★ Load game/application online

Select

Only description file (page 121); application has still to be loaded.

🌐 Load link (optional)

Internet

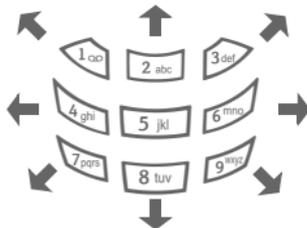
The selected Internet page is loaded.

Receive information

If information required by an application that has already been installed is received via **SMS**, the ☆ symbol appears in the display. By pressing the control key (on the left), the relevant application is started and the information is processed.

Note

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



Games&More menu

All functions required for editing and managing your applications and folders are found in the Options menu:

Options Open menu.

Start	Start application.
Download	An application is downloaded from the Internet and installed.
New Folder	Create and name new folder.
Delete	Delete selected application/folder.

Delete All	Delete all applications/folders after confirmation.
Rename	Rename highlighted applications/folders.
Move	Move applications between folders.
HTTP Profile	The list of profiles is displayed for activation/setting (page 74).
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).
Security	Prompts before downloading applications: Confirm everytime Confirm once No confirmation
Capacity	Display maximum and available capacity.

HTTP Profile

Menu → Surf & Fun → Games & More

Options Open menu.



Select HTTP Profile.

Preparation of the phone depends on current service provider:

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

If necessary, check with your service provider for details.

Provider	Select or set access profile (page 102).
-----------------	--

Linger time:	Enter time in seconds after which a connection should be ended if no input or data exchange takes place.
---------------------	--

WAP can be used to download applications 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 or liability claims with respect to or in connection with applications or software that were installed subsequently by the customer, and were 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 or software and for any direct damage or consequential damage of whatever nature resulting from the use of these applications or software. For technical reasons, such applications or software and subsequent enabling of certain functions will be lost in the event of the device being replaced/re-supplied and may be lost if it is repaired. In these cases, the purchaser will need to download the application again or re-enable it. Siemens does not warranty or guarantee or accept any liability for the customer's ability to download or enable applications again or to do so free of charge.

A profile allows several settings to be made with **one** function in order, for example, to adapt the phone to the surrounding level of noise.

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

Normal Env.

Quiet Env.

Noisy Env.

Car Kit

Headset

- You can set two personal profiles (<No Title>).
- The special profile **Aircraft Mode** is fixed and cannot be changed, (page 76).

Activate

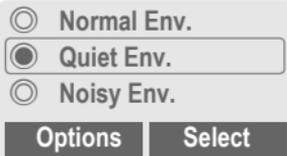
Menu → Profiles



Select default profile or personal profile.

Select

Activate profile.



- Active profile.

Setup

Edit a default profile or create a new personal profile:



Select profile.

Options

Open menu.

Change Sett.

Select.

The list of available functions is displayed:

Ringer Settingpage 92

Volumepage 92

Ringtonespage 93

Vibrating Alertpage 92

Call Screeningpage 93

Info Tonespage 93

Key Tonespage 93

Illuminationpage 91

Big Letterspage 91

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

Profile menu

Options Open menu.

Change Sett.	Change profile settings.
Copy From	Copy settings from another profile.
Rename	Change personal profile (except default profiles).

Car Kit

If a Siemens original Car Kit is used, (page 134) the profile is activated automatically as soon as the phone is inserted into the cradle (page 108).

Headset

If an original Siemens headset is used, (page 133), the profile is activated automatically as soon as the headset is used (page 108).

Aircraft Mode

All alarms (appointments, alarm clock) are deactivated. This profile **cannot be modified**. The phone is switched off when you select this profile.

Activate



Select

Scroll to **Aircraft Mode**.

Activate profile.

A security prompt must be confirmed.

The phone switches itself off automatically.

Normal operation

The next time you switch on the phone and return to normal operation, the profile set previously will be activated automatically.

All the Extras may not be available.



Alarm Clock

Menu → Extras
→ Select function.

The alarm will ring at the time you set, even when the phone is switched off.



On / Off Activate/deactivate the alarm.

Setting

Change Display selected time and days for alarm calls:
Set time for the alarm call (hh:mm).



Navigate to days.

Change Set days for alarm calls.
OK Confirm settings.

Note



Alarm clock switched on.



Alarm clock active
(display in standby mode).



Alarm clock switched off.

Calculator



Enter number
(max. 8 digits).



Select calculator.



Repeat procedure with
other numbers.



Result is displayed.

Calculator functions

- Press the right soft key repeatedly.
- \pm Toggle between "+" and "-".
- % Convert to percentage.
- Save the number displayed.
- Retrieve the number saved.
- e Exponent (max. two digits).

Special keys:

- Set decimal point.
- Add (hold **down**).

Currency Converter

Menu → Extras → Currency Converter

You may calculate the exchange rates between three different currencies.

Enter the currency

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

Otherwise:

Options Open menu

New Entry Select, then if:

- **Only euro currencies:**

List Press and select 1st euro currency:

Select Confirm.

 Select next field.

List Press and select 2nd euro currency.

Select Confirm.

OK Confirm.

- **Euro currencies and/or other currencies:**

 Enter symbols for the currencies.

OK Confirm.

 Enter exchange rate. Save with **Options** and **OK**.

Calculator functions

 Press right soft key repeatedly:

 Recall a saved number from calculator.

Convert

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



Select a combination of currencies from the list.

Select

Confirm.



Enter figure (max. 12 digits).



Result is displayed.

Repeat Repeat conversion with other data.

Calculator menu

Options Open menu.

Start Enter value to be calculated.

New Entry Enter two new currencies.

Change Change the two currencies.

Delete Delete the two currencies.

Delete All Delete all currency pairs after confirmation.

Stopwatch

Menu → Extras → Stopwatch

Two intermediate times can be recorded and saved.



Reset Reset to zero.

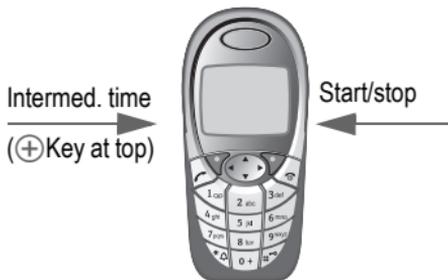


Start/stop.



Intermediate time.

Control using side keys:



Stopwatch menu

Options Open menu.

Save	Record the time(s) measured and assign an icon to them.
Reset	Reset stopwatch.
Stopwatch list	<p>Display the stored times.</p> <p>View Display the stored times and intermediate times.</p> <p>Rename Rename stored entry.</p> <p>Delete Delete entry.</p> <p>Delete All Delete list.</p>

Countdown

Menu → Extras → 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.
- Edit** Change period of time.
- Reset** Reset counter to starting time.

Camera (Accessories)

You can use the phone to immediately view, save and send photos you have taken with the Mobile Camera IQP-5002 camera (page 133).

Shots can be taken in two different formats:

- Low resolution: QQVGA
160x120 pixels, memory size up to 6 KB to send as picture message (page 53).
- High resolution: VGA
640x480 pixels, memory size of one shot up to 40 KB - e.g. to send to a PC. To allow the picture to be viewed on the phone display, a QQVGA picture is created for every VGA shot.

Pictures taken with the camera are saved in the File Manager in the My-Data\Pictures\Camera folder.

Camera Press when the camera has been attached (in standby mode).

or

Menu → Extras → Camera

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

OK Confirm.

The last shot taken is shown.



Scroll through photos.

Shot

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



Press side key on left; a new shot is taken, shown in the display and automatically saved.

Flash

The flash function can be activated/deactivated in the options menu.

If the flash is switched on from "Options", the flash is charged before taking a picture:



Press left side key **briefly**; the flash is charged.



Press the left side key again; the shot will be taken with flash.

Note

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



Hold down left side key. The charging process for the flashlight is omitted and a shot is taken immediately.

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.
Move	Move currently selected picture to another folder (if necessary, first choose resolution). See also file manager , page 88.
Move all	See above.
Send via ...	Send picture by: MMS or E-mail.
Info	Display number of shots still available.
Setup	Set resolution: Low High & Low

Note

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

Delete Delete picture currently shown.

Voice Cmnd.

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

Record

Menu → Extras → Voice Cmnd.

A list with 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: **repeat** this when prompted.

Apply



Hold **down bottom of left** side key (in standby mode).

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

Noisy environments may affect recognition.

Voice command menu



Highlight required entry.

Options

Open menu.

Playing	Play back the recording belonging to the entry.
New sample	Start new recording for an entry.
Delete	Delete entry.
Delete All	Delete all recordings.

Remote synchronization

Menu → Extras → Remote Sync.

You can use this function remotely to access externally filed data (addresses, calendar, etc.) and synchronize these with the data on your phone. The data can, for example, be saved on a company computer or the Internet.

Synchronize

Sync Computer is selected and synchronization started.

Sync. setting

Setup Start synchronization.

Sync. Profile

A number of profiles can be defined.



Select profile.

Options Open menu.

Change Select.

Highlight database areas to be synchronized:

Addresses

Calendar

Tasks

Notes

Server Setting

Sync. mode	<p>Fast: Only data that has changed will be synchronized in both directions.</p> <p>Slow: All data will be synchronized in both directions.</p>
Provider	Select or set the connection profile (page 102).
Server-Name	E.g. http://sync.yourcompany.com/
Server port	Enter port number, e.g. 80.
Login name:	Enter user name (Login name).
Password:	Enter password (shown as a series of asterisks).
HTTP authent.	Depends on server provider.
HTTP name:	Enter user name.
HTTP passw.:	Enter password.
Address path	<p>Index name with path details:</p> <ul style="list-style-type: none"> • Addresses • Calendar • Tasks • Notes

Save Save settings.

Activate remote sync. profile

Sync. setup

Select.

Sync. Profile

Select.



Select profile.

Select

Activate. The current profile is selected.

SIM services (optional)

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 control key (on the left).



Symbol for SIM services.

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

Menu → Extras → SIM services

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

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.

Note

The left soft key may already have a function allocated by your service provider (e.g. access to  SIM card services). It may not be possible to modify this soft key assignment.

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

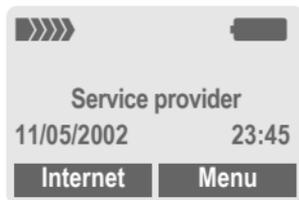
Key assignments available:

Internet (WAP)	page 69
Phone number	page 32
Alarm Clock.....	page 77
New SMS	page 48
Illumination.....	page 91
Hide ID	page 94
Missed Calls.....	page 37
Received Calls	page 37
Inbox (SMS).....	page 51
Favorites	page 87
Call Screening.....	page 93
File Manager	page 88

Left soft key

For fast access, a function/phone number may be assigned to the left soft key.

Change



Internet Press **briefly**.

Change Scroll to application in list.

- Assign a new application (e.g. **New SMS**) to the soft key.
- Special case **Phone Number**. Pick a name (e.g. "Carol") from the Phonebook/Address book to assign to the soft key.

Select Confirm setting.

Apply

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

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 85. Number key 1 is reserved for the mailbox number (page 67).

Edit

In standby mode:



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

Set

Press.

or

New SMS

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

Change

Scroll to application in the list.

Special case **Phone Number**. Pick out a name from the Phonebook/Address book for assignment to the key.

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

Select

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 control key (to right) e.g.:

New SMS

Hold **down**.

Or simply



Hold **down**.

Menu → Favorit.

Create a menu with frequently used functions, phone numbers or WAP pages.

The list with 10 possible entries is preset. You can, however, change it as much as you want.

Note

For fast access from standby mode you can set the function **Favorites** on the left soft key (page 85).

Activate



Select the required entry.

Select

Press.

or

Options

Press.

Activate

Select.

Select

Press.

or



If the entry selected is a phone number, you can also call it with the Call key.

Change Sett.

You can replace each preset entry (1-10) with another entry from the selection list of **Favorites**.



Select the required entry.

Options

Press.

Change Sett.

Select.

Set

Press.



Select the **new** entry from the selection list.

Set

Press.

If you have selected a phone number or a WAP favorite as a new entry, the corresponding application is started.

Reset All

Options

Press.

Reset All

Select.

After confirmation and entering the phone code, the default entries are reset.

To organize your files, you can use the file system like a PC file manager. The file manager assigns special folders to different data types.

In order to protect content from being copied, two types of folders have been created: 1) Unprotected folders titled MyData and its sub-folders and 2) Protected folders.

Data stored in the MyData folders can be sent out of the phone using MMS or email.

Data that is received using WAP will be automatically stored in a protected folder based on the type of content, sound, graphic, etc.

Menu → File Manager

A list of the folders and files is displayed.

Navigate through this list using the control key:



Scroll up and down.



Go back from folder.

Open

Open folder or execute file with related application

or

with unknown file types:

Mark

Highlight file.

Index structure

The file manager assigns special folders to different data types.

Animation	Animations (page 91)	*.bmx (anim) *.gif
Camera	Photos (page 80)	*.jpg
Colour scheme	Color scheme (page 90)	*.col
Pictures	Pictures (page 54)	*.bmp *.jpg *.gif *.png
Data objects	Inbox	
Internet	Browser files (miscellaneous)	
Misc	Other files	**
Sms	Sub-indexes:	*.smo *.smi
	Inbox: Incoming mail	
	Draft: Drafts	
	Unsent: Unsent SMS messages	
	Sent: Sent SMS messages	
Tones & Alerts	Ringtones, melodies and sounds	*.mid *.amr *.mmf
Text	Text files	*.txt
Text modules	Text modules	*.tmo
Voice memo	Voice recordings	*.vmo

File manager menu

Options Open menu

Open	Open folder.
Mark	See highlighting mode (page 120).
Mark All Entr.	All entries highlighted, see highlight mode (page 120).
Move	Place highlighted file or folder in temporary memory.
Copy	Copy highlighted file into temporary memory.
Paste	Transfer content of temporary memory to current folder.
Delete	Delete current entry.
Delete All	Delete all entries.
New Folder	Create a new folder and give it a name (only one folder depth available).
Rename	Change highlighted entry.
Sort	Set sort criteria (alphabetical, type, time).
Attributes	Display information on file or folder selected.
Drive Info	Display capacity used and available.

Display

Menu → Setup → Display
→ Select function.

Language

Set display text language. When "automatic" is set, the language of your service provider is used. If a language that 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# 

T9 Input

T9 Preferred

Activate/deactivate intelligent text entry.

Input language

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

Background

Set background graphic for display.

Logo

Choose picture to be displayed instead of the provider logo.

Color Scheme

Select color scheme for the whole service system.

Activate color scheme



Select color scheme.

Activate Activate.

Load color scheme

Up to three color schemes can be included in the selection list. These can be loaded by WAP, for example.

Options Open menu.

Load Select color scheme.

Screensaver

The screensaver shows a picture on the display after a specified period of time. The function is ended by an incoming call or by pressing any key.

Note

You can also receive individual logos, screensavers and animations by SMS (page 48), MMS (page 53) or WAP (page 69). See also *My phone* (page 21).

Screensaver Menu

Enable	Activate/deactivate screensaver.
Style	Analog Clock or Bitmap.
Picture	Select picture in file manager.
Preview	Display screensaver.
Timeout	Set period after which the screensaver starts.
Security	Phone-code protected termination of screensaver.
Auto Key Lock	The keypad is locked when the screensaver starts.

Start Anim.

Select animation to be shown when phone is switched on.

Shutdn. Anim.

Select animation to be shown when phone is switched off.

Own Greeting

Enter greeting to be displayed instead of animation when phone is switched on.

Change Activate/deactivate.



Delete old message and create new message.

OK Confirm changes.

Big Letters

Choose between two font sizes for display.

Illumination

Switch display illumination on/off or set on Automatic (switched off increases standby time).

Contrast

Set display contrast.



Press the control key repeatedly to adjust display contrast up or down.

Tones/Alerts

Menu → Setup → Tones/Alerts
→ Select function

You can set the tones to match your needs.

Ringer Setting

On/Off Activate/deactivate all tones.

Beep Reduce ringtone to a short signal (beep).

Note



Display: Beep.



Display: Ringer off.

Switch ringtones on/off..... page 123

Vibrating Alert

To avoid the disturbance caused by a ringing phone, you can activate the silent alert function as an alternative. The silent alert can also be activated in addition to the ringer (e.g. in noisy environments). This function is deactivated when the battery is charged.

Silent alert is activated automatically if the maximum volume has been set for the ringtone. This is to remind you **not to hold the ringing phone to your ear**, so that avoid damaging your hearing.

Volume

Set different volumes for types of call/functions.



Select:

Calls

Group Calls

All Calls

Alarm

Alarm Clock

Messages

Cell Broadcast

Press.

Select



Set volume.



Display for rising volume.

Select

Confirm.

Note

Please make sure you have accepted the call before holding the phone to your ear. This will avoid your hearing possibly being damaged by a loud ringtone.

If two independent phone numbers are registered on your phone, you can set different volumes for them (page 124).

Menu → Setup → Tones/Alerts
→ Select a function.

Ringtones

Set different ringtones for types of call/functions.



Select:

Calls
Group Calls
All Calls
Alarm
Alarm Clock
Messages
Cell Broadcast
Press.



Choose ringtone.

Select

Confirm.

Note

Individual ringtones can be sent to you via **SMS** (page 48) or you can download them via **WAP** (page 69).
See also **My phone** (page 21).

Call Screening



Only calls from numbers in the Phonebook/Address book or in a group will be signaled audibly or by silent alert. Other calls are merely displayed.

If you do not accept these calls, they are forwarded to your mailbox (if set, page 94).

Note



Display:
Filter switched on.

Key Tones

How to enter the type of acoustic key tone:

Click or Tone or Still

Minute Beep

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

Info Tones

Set service and alarm tones:

On/Off Activate/deactivate tones.

Extended If switched on, a wider range of service tones is available, e.g.:

- End of menu,
- Maximum text length reached,
- Network connection broken.

Keys

Menu → Setup → Keys
→ Select a function

Any to Answer

You can press any key to accept an incoming call.

(except ).

Auto Key Lock

When the key lock is activated, the keypad locks automatically if no key has been pressed for one minute in standby mode. This prevents the phone from being used accidentally. You can, however, still receive calls and still make an emergency call.

The keypad can also be directly locked and unlocked as follows.

 Hold **down**.

Key Tones

You can set the type of acoustic key tone:

Click or Tone or Still

Phone Setup

Menu → Setup → Phone Setup
→ Select function.

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 25).

Hide ID



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

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

Call Forward

You can set the conditions under which calls are forwarded to your mailbox or other numbers.

Set up call forwarding (example):

The most common condition for call forwarding is:

Unanswered

Select **Unanswered**.

(covers the **Not reachable**, **No reply**, **Busy** conditions, see right).

Select

Press.

Set

Select.
Enter the phone number to which the caller will be forwarded (if not already done).

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.



Icon in top line of display in standby mode.

Not reachable

Forwarding occurs if phone is switched off or is 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

Forwarding occurs if a call is in progress. If **Call Waiting** is activated (page 25), you will hear the call waiting tone during a call.

Receiving Fax

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

Receiving Data

Data calls are forwarded to a phone number with a PC connection.

Status Check

You can check the current forward status for all conditions.

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



Condition set.



Not set.



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

Clear All

Cancels all Call Forward settings.

Note

Note that the forward is stored in the network and not in the phone (for example when the SIM card is changed).

Check condition or delete it

First select the condition.

Select Press.

Check Status

Select.

or

Delete Select.

Reactivate forward

The last forward has been stored.

Proceed as with "Set forward".

The stored phone number is displayed.

Confirm phone number.

Edit phone number

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

Delete Press. The phone number is deleted.

Enter new number and confirm.

Menu → Setup → Phone Setup
→ Select function.

Fact. Settings

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#

Defrag FileSys

(Phone code protected)

Performs a defragmentation clean-up of the memory as in a PC. Your data will not be lost.

Menu → Setup → Phone Setup
→ 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#**

Checking software version
page 123.

Auto 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.

Clock

Menu → Setup → 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 (24 hours, including
seconds).

Note

If the battery is removed for longer than 30 seconds, the clock must 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 ... press to set.

Time Format

Format 24h or Format 12h.

Options Open menu.

DST Activate/deactivate daylight saving time. When daylight saving time is activated, a sun icon appears on the display.

View Display the selected time zone with name and date.

Set Set time zone.

Rename Assign a new name to time zone.

Auto Time-zone  The time zone is switched automatically to local time by the network.

Date Format

DD.MM.YYYY or MM/DD/YYYY

Show Clock

Activate/deactive time display in standby mode.

Connectivity

Menu → Setup → Connectivity
→ Select function.

GPRS



(General Packet Radio Service)

GPRS is a new method for transmitting data faster in the mobile network. If you 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.

GPRS activation may not be available.



GPRS Activate/deactivate.

Shown in display:

GPRS Activated and available.

[GPRS] Logged on.

GPRS Connection briefly lost.

Data Counter

Display of information on connection status.

Menu → Setup → Connectivity
→ Select function.

IrDA and Bluetooth can be used to synchronize organizer information with a PC. They can also be used as the connection for the phone to act like a modem.

Information received from IrDA or Bluetooth is temporarily stored in the Data Object folder.

IrDA

Your phone has an infrared interface. You can use this to exchange data (Address book entries, business card, SMS, organizer entries) with other devices that are also equipped with an infrared interface.

The infrared interface is on the left side of the phone. The distance between both devices must not exceed 30 cm. The infrared window of each of the two devices should be placed as close to one another as possible.

Change Activate/deactivate IrDA.

Shown on the display:

 When activated.

 During the transfer.

If IrDA is activated, Bluetooth™ is deactivated and vice versa.

Bluetooth™

Bluetooth™ is a short-range radio link. Use the **Send/Print...** function in the options menu of the relevant device to send data by this route (page 110).

You can activate/deactivate Bluetooth™, give your phone a Bluetooth™ name, and manage the list of known Bluetooth™ devices.

Shown in the display

	Bluetooth™ activated.
	Bluetooth™ visible for others.
	Data transfer with Bluetooth™.
	Call made via Bluetooth™.

Bluetooth

You must activate Bluetooth™ to establish a Bluetooth™ connection between your mobile phone and other Bluetooth™ devices.

Change Activate/deactivate.

My BT name: When you activate your phone for the first time, you can assign it a name.

If Bluetooth™ is activated, IrDA (infrared) is inactive and vice versa.

Visible to others

If this function is activated, then the address of this device or its Bluetooth™ name is transmitted if requested by other Bluetooth™ devices. Your phone can be "seen" by other Bluetooth™ devices. Under these circumstances, data can be sent or received.

Change Press.

Visibility is set to: **Off**

Your phone cannot be "seen" by other Bluetooth™ devices. Known devices such as Bluetooth™ headsets and Car Kits continue to function.

Automatic: Your phone is "visible" to other Bluetooth™ devices for several minutes. A prompt then asks if the "visibility" should be continued.

Visibility is set to: **On**

Your phone can be "seen" by other Bluetooth™ devices as long as Bluetooth™ is activated.

Options Open menu.

Activate/ Deactivate	Activate/deactivate Bluetooth™.
-------------------------	------------------------------------

Known devices	See below.
------------------	------------

My BT name	Assign a name to the phone that will appear on the other party's display. If the phone does not have a Bluetooth™ name, it will use its own device address, which cannot be changed.
------------	--

Known devices

You can include in this list a maximum of 10 devices with which you communicate regularly. This simplifies connection setup when sending (page 110).

Displays in devices list:

	Confidential and linked.
	Confidential, not linked.
	Linked.

Add new device to list:

Menu → Setup → Connectivity
→ Bluetooth

Options Open menu.

Known devices

Select. The list of known devices is displayed.



Select <Empty>.

Either

Select List of most recently connected devices is shown.



Select entry and confirm
Select.

or

Accessories

Search for Bluetooth™ headsets, along with devices that use the "open speech protocol" for a Bluetooth™ connection, e.g. Car Kit, certain PCs. The number of devices found (a maximum of 10) is shown.

View Display of devices found so far. If the device you are looking for is not on the list, repeat the procedure with **Options** and **Repeat**.



Select device.

Select

The device is immediately added to the list.

or

Select

prompt to enter password.



Enter password for headset.

OK

Confirm. The device is added to the list of known devices as a trusted item.

Note

Whether a password is necessary or not depends on the setting of the other Bluetooth™ device.

Only one headset and one Car Kit can be present on the list at one time.

Lists menu

Options Open menu.

Rename Rename the device.

New Entry The list of most recently connected devices is shown.

Delete Delete device from the list of known devices.

Delete All Delete all entries from the list of known devices after confirmation.

Data Services

- Menu** → Setup → Connectivity
 → Data Services
 → Select function.

For the MMS, Wap and Mail, Java, Rms applications, at least one connection profile must be set up and activated.

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

CSD settings

(Circuit Switched Data)

- Options** Open menu.

- Edit** Select.

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

- Save** Save settings

GPRS settings

(General Packet Radio Service)

You can activate GPRS for the profile and change the settings here. You can only start to use GPRS once you have activated GPRS on your phone (page 98).

- Options** Open menu.

- Edit** Select.

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

- Save** Save settings.

Menu → Setup → Connectivity
→ Data Services
→ Select function.

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.

Edit Set the required mode.

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 ringtone and the type of call (fax or data) is displayed.

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

Send Voice/Fx

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/Fx** mode; you may now send a fax.

Voice/Fax Rec

(**Only** if a special fax or data number is not 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 .

Authentication

Edit Activate encrypted WAP dial-up (CHAP Challenge Authentication Procedure) or deactivate it (PAP Personal Authentication Procedure).

Security

Menu → Setup → Security
→ Select a function

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

Codes

PIN Control, Change PIN, Change PIN2, Chg.Phonecode, (page 19).

Only



(PIN 2 protected)

Dialling options are restricted to SIM-protected 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 PIN 2 input, the **whole** Phonebook can be protected with the phone code (page 29).

Menu → Setup → Security
→ Select a function

This SIM Only



(Phone code protected)

By entering a phone code, the phone can be linked to a SIM card. Operation using a **different** SIM card is not possible without knowing the phone code.

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

Barrings



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 register each barring separately with your service provider.

All outgoing

All outgoing calls except emergency numbers 999 and 112 are barred.

Outgo internat

Only national calls can be made.

Out.int.x home

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.

Network



Menu → Setup → Network
→ Select function

The availability of the following network features depends on the service provider.

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

Select phone number in current use.



Display current phone number.

Note

Settings for phone numbers page 124

Block line

(Phone code protected)

You may limit usage to one phone number.

Network Info

The list of GSM networks currently available is displayed.



Indicates forbidden service providers (depending on SIM card).

Menu → Setup → Network
→ Select function.

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.

Auto Network



Activate/deactivate, see also **Choose Network** above. 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.

Pref. Network



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

Note

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.

Your service provider is displayed:

List Display list of preferred networks.

Create new entry:

- Select empty 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**.

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 → Setup → Network
→ Select function

User Group

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

Activate

Activate/deactivate function. "User group" must be deactivated for normal phone use (phone code, page 19).

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 Grp

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

Accessories

Menu → Setup → Accessories
→ Select function.

Car Kit

Only in combination with an original Siemens handsfree Car Kit (page 134). The profile is activated automatically as soon as the phone is inserted into the cradle.

User-definable settings

Auto Answer

(factory default: off)

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



Indication in display.

Auto Off

(factory default: 2 hours)

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

Automatic settings:

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

Headset

Only in conjunction with an original Siemens headset (page 133). The profile is automatically activated when headset is plugged in.

User-definable settings

Auto Answer

(factory default: off)

Calls are accepted automatically after a few seconds (except where 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) when key lock is activated.

Automatic answer

If an incoming call is not noticed, there is a risk of eavesdropping by the caller.

The phone provides you with several methods for sending, receiving or printing texts and data via different transmission routes. Access to these functions is available in the option menu of the relevant applications such as phone book, organizer, etc. These menu items can vary depending on the application.

Infrared (IrDA)

By IrDA

Application option:

Send/Print... → IrDA

Send The data are sent via the selected transmission route.

Print The data are sent to the connected printer.

All via IrDA

Application option:

Send/Print... → All via IrDA

All entries from the Phonebook, Address book and organizer are sent or printed via the infrared port.

Send See above.

Print See above.

Set import mode on receiving phone (page 112).

Receive via IrDA

Please turn on IrDA to receive (page 99).

Bluetooth™

Bluetooth™ is a short-range radio link. It permits wireless communication between different terminal devices equipped with Bluetooth™ such as phones, phone accessories, printers and PCs.



Every Bluetooth™ device has a unique address and a name. This guarantees a connection between the intended communication partners. The security concept is based on a password that both devices exchange when they connect for the first time. These "trustworthy" partners can be included in a list. The password prompt is not required for future connections. For settings, see page 99.

Note

In some countries, there may be restrictions on the use of Bluetooth™ devices. Check with the relevant authorities.

To send via Bluetooth™

Send/Print... → Bluetooth

If Bluetooth™ is not yet activated, confirm the query with **Yes**. IrDA may need to be deactivated (for settings see page 99).

The following options are now available:

Known devices

A list of known devices is shown. Use this function when you are sure that the device sought is within reception range.



Select device.



Send.

Display in device list:



Confidential and linked.

Confidential, not linked.

Linked.

Search device

Search for Bluetooth™ devices. The device just found is shown in the display.

- Device sought is found:

View Search is ended and devices that have been found are displayed.



Select device.

Select Send.

- More than 10 devices found:

The search will finish when 10 devices have been found. If the device you are looking for is not on the list displayed:

Options Open menu.

Retry Repeat search. If the device you are looking for is found, continue as above.

- If time limit is exceeded:

The search is ended if the maximum amount of time available is exceeded.

Device addr.

You can directly enter the device address in order to set up a connection.



Enter device address.



Send.

Last connect.

The list of most recently connected devices is shown.



Select device.



Send.

To receive via Bluetooth™

Bluetooth™ must be activated (page 99). Received files are indicated by an icon above the left soft key.

- Known device:

If the sender is a device that is on the list of known devices, data will be received immediately.

- Unknown device:

With an unknown device it may be necessary to enter a password. This password will not be saved and can be reset with each new connection.



Enter password.



Start transmission.

The unknown device can be added to the list of known devices.

OK Confirm query.

Shown in the display:

-  Bluetooth™ switched on.
-  Bluetooth™ visible to others.
-  Bluetooth™ with data transfer.
-  Call takes place via Bluetooth™.

SMS

Phonebook and Address book entries and appointments can be sent as an SMS to other suitable mobile phones.

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

Via SMS/Text

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

Import

Enable transmission for **several** objects via IrDA or Bluetooth™ one after the other.

Data objects

Files received via Bluetooth™, IrDA or SMS are stored in the file manager (page 88).

Enter text without T9

Press number key repeatedly until the required letter appears. The cursor will jump forward after a brief interval. Example:



Press once briefly for **a**, twice for **b** etc. The first letter in each name is automatically written in UPPER CASE.

Hold down to write the number.

Ä,ä/1-9

Numbers and letters with accents 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: Move back and forth between **abc**, **Abc**, **T9abc**, **T9Abc**, **123**. Status shown in top line of display.

Hold down: All input modes are displayed.

Press briefly: Select special symbols (page 113).

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

1) Line skip



Navigate to symbol.

Select

Press.

Input menu

With text input:



Hold down. The input menu is displayed:

Text format (SMS only)

Input language

Mark text

Copy

Text Modules

Text blocks can be stored in the phone for adding to your SMS messages.

Write text blocks

Menu → Messages → Text Modules

Options Select **New Text**.



Write text block.

Options Select **Save**.

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

Use text blocks



Write message.

Options Open text menu.



Select **Text Modules**.



Select text block from the list.

Select Confirm. Text block is displayed.

Select Confirm. The text block is inserted to the right of the cursor, in the message.

Text input 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.

T9 Input Select.

T9 Preferred
Select.

Edit Activate T9.

Select Input language

Select the language in which you want to write.

Options Open text menu.

T9 Input Select.

Input language
Select.

Select Confirm; the new language is set. Languages with T9 support are marked by the T9 symbol.

T9 language versions

If you want to load a dictionary in another language, you will find a large selection to download, plus related installation instructions, in the Internet under:

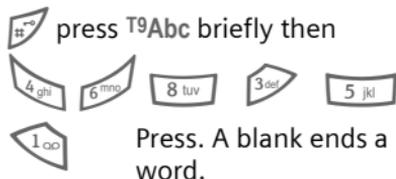
www.my-siemens.com/t9

Write a word using T9

Since the display changes as you proceed

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

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



Do not use special characters such as Ä. Instead, write the standard character, e.g. A, and T9 will do the rest for you.

Note



Entering a period finishes a word, if it is followed by a blank. Within a word, a period represents an apostrophe or hyphen:

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

Move to the right. Ends a word.

Press briefly: Switch between: abc, Abc, T9abc, T9Abc, digits. Status indicator in the top line of the display.

Hold down: All input modes are displayed.

Press briefly: Select special symbols (page 113).

Hold down: Open input menu (page 113).

T9 word suggestions

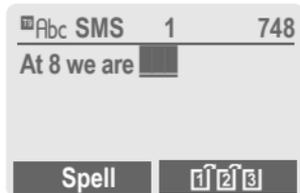
If several options are found in the dictionary for a key sequence (a word), the most probable is displayed first. If the word you want has not been recognized, the next suggestion from T9 may be correct.

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:

Spell 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.

Correct a word

Words written **using** T9:



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



Scroll through the T9 word suggestions again.



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

Words **not** written using T9:



Move letter by letter to the left/right.



Deletes the character to the left of the cursor.



Characters are inserted at the cursor position.

Note

Within a "T9 word", individual letters may not be edited without first removing T9. 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.

Display indicators

	Signal strength.
	Charging.
	Loading status, e.g. 50%.
	All calls are forwarded.
	Ringer off.
	Short ringtone (beep) only.
	Ringer only, if caller is stored in the Phonebook/Addressbook.
	Alarm set.
	Alarm active.
	Key lock activated.
	Phone numbers/names:
	On the SIM card
	On the SIM card (PIN 2 protected).
	In phone memory.
	No network access.
	Function activated/deactivated.
	Phonebook/Address book.
ABC/ Abc/abc	Indicates whether upper- or lower-case letters are active.
	Text input with T9.
	IrDA activated.
	IrDA during transmission.
	Bluetooth™ activated.
GPRS	Activated and available.

	Registered.
	GPRS Download.
	WAP Online.
	WAP via GPRS Online.
	WAP No network.
	Headset mode.
	Auto answer feature on.

Organizer/Extras icons

	Memo.
	Call.
	Appointment.
	Dictating mach./voice memory.
	Birthday.
	Important event.
	Alarm clock/stopwatch.

Soft keys

	Message received.
	Voice mail received.
	Unanswered call.
	Store in Phonebook/Address book.
	Retrieve from Phonebook/Address book.
	Change Phonebook/Address book.

Battery quality statement

The capacity of your mobile phone battery will reduce each time it is charged/emptied. Storage at too high or low temperatures will also result in a gradual capacity loss. As a result the operating time of your mobile phone may be considerably reduced, even after a full recharge of the battery.

Regardless of this, the battery has been designed and manufactured so that it can be recharged and used for six months after the purchase of your mobile 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.

Control codes (DTMF)

Sending control codes

You can enter control codes (digits) during a call so that an answering machine can be controlled remotely. These digits are directly transmitted as DTMF tones (control codes).

 **menu** Open call menu.

Send DTMF Select.

Use the Phonebook

Save phone numbers **and** control codes (DTMF tones) in the Phone/Addressbook like a normal entry.



Enter phone number.



Press until a "+" appears on the display (pause for connection setup).



Enter DTMF signals (digits).



If necessary enter further pauses of three seconds each to ensure correct processing at destination.



Enter a name.



Press.

You can also store just the DTMF tones (digits) without a phone number and send these during a call.

Dial-up access CSD

(Circuit Switched Data)

Data transfer is made via a data connection to a default IP address of your network provider or service provider. This connection can be used for the exchange of data (e.g. for access to the Internet or for downloading games and applications as well as for using WAP services).

As long as this connection is established to use services or to download applications from the Internet, charges for the connection accrue according to the price list of your network provider or service provider.

Dial-up access GPRS



(General Packet Radio Service)

GPRS is a new method for transmitting data faster in the mobile network. If you use GPRS and if the network has sufficient capacity, you can be connected to the Internet permanently.

Some service providers do not yet support this service.

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).

EMS

(Enhanced Messaging Service)

Besides (formatted) texts, you can also send

- pictures (bitmaps) up to max. 32 x 32 pixels (black and white),
- sounds,
- animations (sequence of 4 pictures) 8 x 8 and 16 x 16 pixels (black and white),

using the EMS.

The elements listed above can be transmitted individually or together in an SMS.

With EMS, pictures and sounds can also be sent (e.g. as screensavers and ringtones).

This can result in messages exceeding the length of a single SMS. In this case individual text messages are concatenated to form a single message.

Extending numbers in the Phonebook/Address book

When entering a phone number in the Phonebook/Address book, digits can be replaced by a question mark "?":



Hold **down**.

This space must be filled in before dialing.

Select the phone number to call from the Phonebook/Address book:



Press.



Replace "?" with digits.

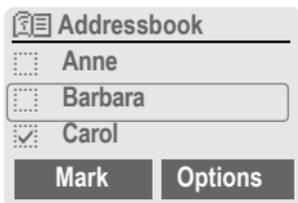


Press, number is dialed.

Selection mode

With some applications (e.g. Address book) one or more entries in a list can be selected to carry out a function jointly.

- Options** Open menu.
- Mark text** Activate marking mode.



To select an **unmarked** entry:

- Mark** The current entry is selected.

To deselect a **marked** entry:

- Unmark** Unmark the current entry.

Selection function in options menu:

- Options** Open menu.
- Mark All** Select all entries.
- Unmark All** Deselect all marked entries.

HTTP

(Hypertext Transfer Protocol)

HTTP is the name given to the protocol that governs data transmission in the Internet. Using HTTP connections you can download applications and games (Games & More, page 72) as well as polyphonic ringtones from the Internet. Configuring an HTTP link using the HTTP profile (page 74).

International dialing codes

Many international dialing codes are stored in your phone. In standby mode () not necessary when dialing from the Phonebook):

-  Hold **down** until a "+" is displayed. This replaces the first two digits of the international dialing code.

- +List** Press.

Select the required country. The international dialing code is displayed. Now add the national number (in many countries without the first digit) and press the Call key.

JAD and JAR

Three file types occur when using Java™:

The JAD file (Java Descriptor)

These files contain information on the application (JAR file) and their address for downloading. By activating a JAD file, the connection to the Internet is established and the executable application is loaded.

The JAR file (Java archive)

This file includes the executable application. By activating a JAR file, the application is started.

Combined files

These files result from JAR files being loaded via JAD files. In this case the JAD file is inserted into the JAR file. The display icon is the same as for JAR files.

The following icons appear when using Java™:



JAD file



JAR file

Java™

Java™ allows you to use numerous games and applications on your mobile phone. You can download these applications from the Internet and install them on your mobile phone. The application can be started after installation. Please refer to the operating instructions for each application.

Siemens does not guarantee that the downloaded and installed Java applications will work well with your mobile phone (page 74).



Message memory full

The SIM memory is full when the message icon flashes. **No** more SMS messages can be received. Delete or save messages (page 52).

Outside your own home network

If you are outside your "home" network your phone will automatically connect to a different GSM network (page 106).

Own numbers

You can enter your "own numbers" in the Phonebook (e.g. fax) for information. These numbers can be changed or deleted and also sent as an SMS.

Performance

The battery performance depends on the operating conditions:

Operation carried out	Time (mins)	Decrease in the standby time by
Calling	1	30 - 60 minutes
Display back light *	1	30 minutes
Network search	1	5 - 10 minutes

* key input, games, organizer, etc.

If the phone is exposed to extreme heat, standby time is reduced considerably. Avoid exposing the phone to direct sunlight or placing it on a radiator.

Phone number memo

You can type in a phone number on the keypad during a phone call. The person you are talking to will hear this. The number can be stored or dialed after the current call has ended.

Phone number/URL in SMS

Phone numbers **highlighted** in the text can be dialed or stored in the Phonebook/Address book. URLs (Internet addresses) can be called up directly and the HTTP download started.

To do this the HTTP profile (page 74), or the WAP profile (page 71) must be installed and activated.



Press to dial the phone number/download.

Quick menu selection

All menu functions are numbered internally. By entering these numbers one after the other, the function may be started at once.

E.g. to write a new text message:

Menu

Press.



for **Messages**



for **New SMS**

Service numbers

There may be numbers saved in the Phonebook (<Special Books>, <Service Numb.>, page 29) that were put there by your service provider. You can call local or nationwide information services or use services of the service provider.

Set Forward

Forward

Forwards the caller to the mailbox, for example, if forwarding **Busy** (page 94) is set and the **Call Waiting** (page 94) function is activated.

Signal strength



Strong signal.



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

SIM card problems

You have inserted your SIM card. Despite this, the following message appears:

Please insert your SIM card

Please ensure that the card is **correctly** inserted and the contacts are clean; if necessary, clean them with a dry cloth. If the card is damaged, please contact your service provider.

See also "Questions & Answers" page 128.

SMS Push

This function allows you to call up an Internet address (URL) straight from a text message. After selecting it, the URL is highlighted. By pressing the Call key, the WAP browser is automatically started and the highlighted Internet address is called up.

SMS status report

If the phone was unable to send the message to the service center, a retry option is available. If this attempt also fails, contact your service provider.

The confirmation **Message sent!** only indicates transmission to the service center, which then tries to deliver the message within a certain time-frame.

See also "validity period", page 63.

Software version

To display the software version of your phone in standby mode enter:

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

Switch ringtones on/off



Hold down.

In standby mode

All sounds (including the ringtone) can be switched off and then on again.

During a call

Switch off the ringtone only for the **current** call/alarm (not if "Any key answer" page 94 is active): Accepting or refusing the call ends this function.

- The call will still be displayed.
- The silent alert remains active if it has been switched on previously.
- The sound settings will remain unchanged.

The function will end when the mobile is switched off.

Two phone numbers



Special settings can be given to each phone number (e.g. ringtone, call forwarding etc.). Switch to the required number first.

To switch the phone number/line in standby mode:



Press.



Press.

WAP

(Wireless Application Protocol)

WAP is a technical standard that provides the basis for connecting mobile radio networks with the Internet. WAP allows you to surf the Internet using a mobile phone, download games and applications and to use WAP services such as news, stock market data and information services.

Special characters for WAP usage



Press repeatedly for:

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

WAP usage

Start with...

You can set which functions are to be displayed after Internet access:



Open the browser menu.

More ...

Select.

Setup

Select.

Start with... Select, then select from the list:

Start menu

Browser menu

Home

Resume

Bookmarks

Directly enter Internet address (URL)

A WAP page must be shown in the display (online or offline):



Open the browser menu.

Go to URL

Select.



Enter URL and confirm.
The connection is established.

Changing the home page

The address of the homepage is set in WAP parameters (page 71).

A WAP page must be shown in the display (online or offline):



Open the browser menu.

More ... Press.

Profiles Select.

Select the profile, for example:

e-Commerce

Select.

Edit The entry card is displayed.

WAP param.,
then select **Home**



Enter new address. Go to end of entry card.

Save Press.

Bookmarks (URLs)



The list of bookmarks can contain a maximum of 10 entries or files. Each file can contain further bookmarks or files.

Save:



Open browser menu.

Bookmarks Select.

Online (save):

Add bookmark

The current WAP address is accepted as a bookmark.

Offline (save):

Select.

(Empty)

Menu

Open menu.



New Entry Select, enter name/header and URL and confirm.

Save

Press.

To use:



Open the browser menu.

Bookmarks Select.



Select bookmark/file.

Go

The bookmark selected is dialed.

Without SIM card

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

Menu

Press soft key. The functions are displayed.

The phone is supported by Xtnd Connect Synchronization SW and a modem assistant SW to use your phone as a GPRS modem. This software can also be found on the Siemens Web site.

Synctool (XTNDConnect® PC)

With this module you can synchronize the organize databases on your phone with your PC. The software synchronizes your phone automatically with Outlook® or Lotus Notes™.

GPRS Modem Assistant

The GPRS Modem Assistant enables a GPRS link to be created from a laptop, which gives you Internet access with laptop and mobile while on the road.

If you have questions relating to use of your handset, we are ready to help you at our website www.my-siemens.com/customercare around the clock. For your information we have listed below some frequently asked questions and answers.

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 empty.	Charge battery. Check charging indicator in display.
	Battery contacts dirty.	Clean contacts.
	See also below under "Charging error"	
Standby time is too short.	Frequent use of organizer and games.	Restrict use if necessary.
	Speed search activated.	Deactivate speed search (page 107).
	Display illumination on.	Switch off display illumination (page 91).
	Unintentional keystrokes (illumination!).	Activate key lock (page 94).
Charging error (charge icon not displayed).	Battery totally discharged.	1) Plug in charger cable, battery is on charge. 2) Charge icon appears after approx. 2 hours. 3) Charge battery.
	Temp. out of range 41 °F to 104 °F.	Make sure the ambient temperature is right, wait for a while, then recharge.
	Contact problem.	Check power supply and connection to the phone. Check battery contacts and device interface, clean them if necessary, then insert battery again.
	No power supply.	Use different power socket, check power supply.
	Wrong charger.	Only use original Siemens accessories.
	Battery faulty.	Replace battery.
SIM error	SIM card not inserted correctly.	Check that the SIM card is inserted correctly (page 13).
	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.

Problem	Possible causes	Possible solution
No network connection.	Weak signal.	Move higher, to a window or an open space.
	Outside GSM range.	Check service provider's coverage area.
	Invalid SIM card.	Complain to the service provider.
	New network not authorized.	Try manual selection or select a different network (page 106).
	Network barred.	Check network barrings (page 105).
	Network overloaded.	Try again later.
Phone loses network.	Signal too weak.	Reconnection to another service provider is automatic (page 106). Switching phone off and on again can speed this up.
Calls not possible.	Second line set.	Set first line  (page 106).
	New SIM card inserted.	Check for new barrings.
	Charge limit reached.	Reset limit with PIN 2 (page 38).
	Credit used up.	Load credit.
Certain uses of phone not possible.	Call restrictions in place	Barrings can be set by service provider. Check barring (page 105).
No entries in Address book possible.	Phonebook is full.	Delete entries in Phonebook or transfer to Address book (page 29).
Voice mail not functioning	Call forwarding to mailbox not set.	Set call forwarding to mailbox (page 94).
SMS (text message)  flashing.	SMS memory is full.	To free up capacity, delete (page 52) or file (page 52) text messages (SMS).
Function cannot be set.	Not supported by service provider or registration required.	Contact your service provider.
Capacity problems with, for example, Games & More, ringtones, pictures, SMS archive.	Handset memory full.	Delete files in the relevant areas.
No WAP access, downloading not possible.	Profile not activated, profile settings wrong/incomplete.	Activate (page 71), set (page 71) WAP profile or HTTP profile (page 74). If necessary ask your service provider.

Problem	Possible causes	Possible solution
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 63).
	SIM card contract does not support this service.	Contact your service provider.
	Service center overloaded.	Repeat message.
	Recipient does not have a compatible phone.	Check.
EMS pictures and sounds not displayed at 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 ask contact 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.
Service provider Code failure.	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 103).
	No authorization for this service.	Contact your service provider.
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 mobile upright in an air current. Do not dismantle the phone!	

Reset all settings to factory default (see also page 96): * # 9 9 9 9 #



Simple, straightforward support for technical and operational queries is available from our online support service on the Internet: www.my-siemens.com/customer-care or in the "Questions & Answers" section, page 128.

If repair work is necessary please contact one of our service centres. In some countries repair and replace services are impossible where the products are not sold through our authorised dealers.

Abu Dhabi	0 26 42 38 00	Latvia	7 50 11 14
Argentina	0 80 08 88 98 78	Lebanon	01 44 30 43
Australia.....	13 00 66 53 66	Libya	02 13 50 28 82
Austria.....	05 17 07 50 04	Lithuania.....	8 52 74 20 10
Bahrain.....	40 42 34	Luxembourg.....	43 84 33 99
Bangladesh	0 17 52 74 47	Macedonia.....	02 13 14 84
Belgium	0 78 15 22 21	Malaysia	03 21 63 11 18
Bosnia Herzegovina	0 33 27 66 49	Malta	00 35 32 14 94 06 32
Brazil	0 80 07 07 12 48	Mauritius	2 11 62 13
Brunei	02 43 08 01	Mexico.....	01 80 07 11 00 03
Bulgaria.....	02 73 94 88	Morocco.....	22 66 92 09
Cambodia.....	12 80 05 00	Netherlands.....	0 90 03 33 31 00
Canada.....	1 88 87 77 02 11	New Zealand.....	08 00 27 43 63
China.....	0 21 50 31 81 49	Norway.....	22 70 84 00
Croatia.....	0 16 10 53 81	Oman	79 10 12
Czech Republic.....	02 33 03 27 27	Pakistan	02 15 66 22 00
Denmark.....	35 25 86 00	Philippines.....	0 27 57 11 18
Dubai.....	0 43 96 64 33	Poland	08 01 30 00 30
Egypt	0 23 33 41 11	Portugal	8 08 20 15 21
Estonia	06 30 47 97	Qatar	04 32 20 10
Finland.....	09 22 94 37 00	Romania.....	02 12 04 60 00
France	01 56 38 42 00	Russia	8 80 02 00 10 10
Germany*	0 18 05 33 32 26	Saudi Arabia	0 22 26 00 43
Greece.....	0 80 11 11 11 16	Serbia	01 13 22 84 85
Hong Kong	28 61 11 18	Singapore	62 27 11 18
Hungary.....	06 14 71 24 44	Slovak Republic	02 59 68 22 66
Iceland.....	5 11 30 00	Slovenia.....	0 14 74 63 36
India	01 13 73 85 89 - 98	South Africa.....	08 60 10 11 57
Indonesia.....	0 21 46 82 60 81	Spain.....	9 02 11 50 61
Ireland	18 50 77 72 77	Sweden.....	0 87 50 99 11
Italy	02 66 76 44 00	Switzerland.....	08 48 21 20 00
Ivory Coast	21 35 02 35	Taiwan	02 23 96 10 06
Jordan.....	0 64 39 86 42	Thailand	0 22 68 11 18
Kenya	2 72 37 17	Tunisia	71 86 19 02
Kuwait.....	2 45 41 78	Turkey	0 21 65 79 71 00
		Ukraine	8 80 05 01 00 00

* 0.12 euros/minute

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

Note

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.

Basics

Li-Ion Battery 700mAh EBA-510

L36880-N5601-A100

Spare battery.

Travel Charger

ETC-500 (Euro): L36880-N5601-A104

ETC-510 (UK): L36880-N5601-A105

Travel charger with an extended input voltage range of 100-240V.

Desk Top Charger EDC-510

L36880-N4501-A101

The desktop charger enables convenient charging of the mobile phone and an additional battery.

Headset PTT HHS-510

L36880-N5601-A108

Headset with PTT key to activate voice recognition and to accept and end calls.

Carry Set FCS-510

L36880-N5601-A119

Includes a belt clip and a retaining clip for discreetly fastening the mobile phone on clothes or in a bag.

Carrying Cases

A range of carrying cases is available at specialty shops or you can visit the Siemens Mobile Store online:

Data/Applications

Data Cable DCA-500

L36880-N5601-A110

For connecting the phone to the serial RS232 port of the PC.

Data Cable USB DCA-510

L36880-N5601-A111

For connecting the phone to the USB port of the PC. With load function.

SyncStation DSC-500

L36880-N5601-A103

Table cradle for your mobile phone. Allows data exchange and simultaneously charges the phone via the power supply unit. Features a desktop charger, a data cable (USB) and a Y adapter.

Innovations

Mobile Camera IQP-500

L36880-N5701-A109

Camera that plugs into the mobile phone. Allows you to take photos and send them via the mobile phone to other mobile phones using MMS or via email to a PC. Integrated flashlight that can be switched on or off as required.

Headset PTT Bluetooth™ HHB-500

L36880-N5701-A107

Smart and convenient headset with no cable to get in the way. Can be used on any phone that supports the Bluetooth™ headset profile.

SIEMENS

Original
Accessories

Original Siemens Accessories

[www.siemens.com/
mobilestore](http://www.siemens.com/mobilestore)

Car Solutions

Car Charger ECC-500

L36880-N5601-A106

Charger for the cigarette lighter socket in the car.

Car Kit Portable HKP-500

L36880-N5601-A109

Handsfree kit with integrated loudspeaker and microphone and auto answer feature. Simply plug into the cigarette lighter socket. Ideal for easy transfer between vehicles.

Mobile Holder HMM-500

L36880-N5601-A116

Cradle without antenna port.

Mobile Holder Antenna HMM-510

L36880-N5601-A117

Mobile holder for connecting an external antenna. Ideal in combination with Headset PTT or Car Kit Portable.

Basic Car Pack HKB-500

L36880-N5601-A118

Allows in-car charging of your mobile phone as well as handsfree talking. Contains a Car Charger, a Headset PTT and a Y adapter.

Car Kit Comfort HKC-501

L36880-N5701-A100

Handsfree kit with first-class digital call quality and supreme ease of use. Includes all components needed for installation. An individual antenna solution can be obtained from your specialist dealer.

Car Kit Professional Voice

HKV-510 (English): L36880-N5701-A102

HKV-520 (French): L36880-N5701-A103

HKV-500 (German): L36880-N5701-A101

Handsfree kit with voice recognition, capacity for more than 150 names. Electronics box with connection for fax and e-mail transmission via your notebook. Includes all components needed for installation. An individual antenna solution can be obtained from your specialist dealer.

Car Kit Upgrade HKO-500

L36880-N5701-A104

Mobile Holder for upgrading your handsfree Car Kit Comfort and Car Kit Voice I.

Car Kit Upgrade HKO-510

L36880-N5701-A105

Mobile Holder for upgrading your handsfree Car Kit Voice II.

Optional Car Kit accessories

Car Handset HKO-550:

L36880-N3015-A123

VDA Adapter Cable HKO-560:

L36880-N4001-A121

Car Data Adapter HKO-530:

L36880-N5701-A108

Push To Talk Key HKO-520:

L36880-N4501-A135

Products can be obtained in specialty shops or you can visit the Siemens Mobile Store online:

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[www.siemens.com/
mobilestore](http://www.siemens.com/mobilestore)

Exposure to radiofrequency signals

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

In August 1996, The Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for hand-held wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies:

- American National Standards Institute (ANSI) C95.1 (1992)
- National Council of Radiation Protection and Measurement (NCRP) Report 86 (1986)
- International Commission of Non-Ionizing Radiation Protection (IC-NIRP) 1996
- Ministry of Health (Canada) Safety Code 6

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

The design of your phone complies with the FCC guidelines (and those standards). For additional information concerning exposure to radio frequency signal, see the statement by the FDA at the end of this user guide.

Technical data

GSM class:	4 (33 dBm - 850 MHz) 1 (30 dBm - 1,900 MHz)
Frequency range:	824 - 894 MHz 1,850 - 1,990 MHz
BlueTooth™ class:	2 (1 mW)
Frequency range:	2,400 - 2,4835 GHz
Weight:	83 g / 2.96 oz.
Dimensions:	101x44/41x21 mm (69 ccm)
Lilon battery:	700 mAh
Operating temperature:	14 °F to 131 °F
SIM card:	plug-in 3 V / 1.8 V

Trademarks



CPS is a trademark of Cambridge Positioning Systems Limited.

Maintenance tips

- The SIM card should be treated with the same care as a ATM card. Do not bend or scratch it or expose it to static electricity.
- Clean the card with a damp cloth or an antistatic wipe without chemical cleaning agents.
- Protect the phone from moisture and shocks. Do not expose your phone to direct sunlight.
- Remove the battery if you are not going to use the phone for extended periods of time (more than one month).

Phone ID

You will need the following details if you lose your phone or SIM card. Please enter here

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

.....

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

.....

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.



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 handheld 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 safe-

ty 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 par-

ties, 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 peo-

ple 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/>

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.

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.

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.

This device complies with part 15 of the FCC rules. Operation is subject to the condition that this device does not cause harmful interference.



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 voice mail 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)

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The capacity of your mobile phone battery will reduce each time it is charged/emptied. Storage at too high or low temperatures will also result in a gradual capacity loss. As a result the operating time of your mobile phone may be considerably reduced, even after a full recharge of the battery.

Regardless of this, the battery has been designed and manufactured so that it can be recharged and used for six months after the purchase of your mobile 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.

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