Contents 1

See also Index at the end of this User Guide

2 **Contents**

See also Index at the end of this User Guide

3

Contents

See also Index at the end of this User Guide

4 **Safety precautions**

NOTE:
Review these operating instructions and safety precautions carefully before use.

Do not use mobile phone in hospitals or in the vicinity of medical devices, such as pacemakers or hearing aids. Mobile phones may interfere with the operation of these devices. Keep a minimum distance of 6–8" between pacemaker and mobile phone. When using the mobile phone hold it to the ear farthest from the pacemaker.

Always use the handsfree kit to make calls while driving (p. 104).

Turn off mobile phone while aboard any aircraft. To prevent accidental activation.

Do not use mobile phone near gas stations, fuel depots, chemical plants or blasting operations. Mobile phones may cause interference with the operation of technical installations.

The ring tone and hands-free speaker are reproduced through the earpiece. Never hold the handset to your ear when the handset is ringing or when using the hands-free speaker mode. Serious and permanent damage could occur to your hearing!

Caution! SIM card may be removed. Keep out of reach of children.

Do not exceed the mains voltage (V) specified on the power supply unit.

Do not use an optical magnifier to look at the activated infrared interface [Class 1 LED product (classification as per IEC 60825-1)].

Only use original Siemens batteries (100% mercury-free) and charging devices. Use of non-Siemens batteries and/or charging devices may cause explosion resulting in serious injury and/or property damage.

It is recommended that you open the phone only to replace the battery (100% mercury-free) or SIM card. Do not open the battery under any circumstances. Any other changes to this device may invalidate the FCC authorization required for operation of the device, and are strictly prohibited.

Dispose of used batteries and phones in accordance with applicable laws and safety regulations.

Safety precautions **5**

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

For body worn operation, this mobile phone has been tested and meets FCC RF exposure guidelines when used with a Siemens accessory designated for this product or when used with a carry accessory that contains no metal and that positions the handset at least 0.001 cm from the body. Use of other carry accessories may not ensure compliance with FCC RF exposure guidelines.

SIEMENS
Original
Accessories

Use original Siemens accessories in order to avoid possible injury and property damage and to ensure compliance with applicable laws and regulations.

Improper use invalidates the warranty!

Changes or modifications to this device not expressly approved by Siemens may void your authority to operate the equipment.

Safety Information

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 you 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 you check the laws for the areas in which you drive or will be driving. For areas where the use of mobile phones while driving is permitted, Siemens encourages you to use your phone responsibly and to employ a hands-free device. 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.

- Review the Ten Driving Safety Tips set forth on p. 112.

Safety Information

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.

Safety Information

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 before boarding an airplane.

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 commu-

Safety Information **9**

nications (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.

10   **SAR (Cell Phone Designation)**

RF EXPOSURE /SPECIFIC ABSORPTION RATE (SAR) INFORMATION

THIS SIEMENS SX1 PHONE MEETS THE GOVERNMENT'S REQUIRE-MENTS FOR EXPOSURE TO ELECTRO-MAGNETIC FIELDS.

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

The exposure standard for cell phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit established by the FCC and by Health Canada is 1.6 W/kg**. Tests for SAR are conducted using standard operating positions accepted by the FCC and by Industry Canada with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station, the lower the power output.

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

0.59 W/kg***

and when worn on the body[+] is

0.46 W/kg***

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

SAR information on this Siemens SX1 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-SX1**.

SAR (Cell Phone Designation) **11**

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

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

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

** averaged over 1 g of tissue.
***SAR values may vary depending on national requirements and network bands. SAR information for different regions can be found at **www.my-siemens.com**

12 **Overview of the phone**

① **Integrated antenna**

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

② **Loudspeaker**

③ **Displays**

Signal strength/GPRS available/ battery level

④ **Number keys**

Digits, letters.

⑤ **Joystick/Other keys**

See next page.

⑥ **Microphone**
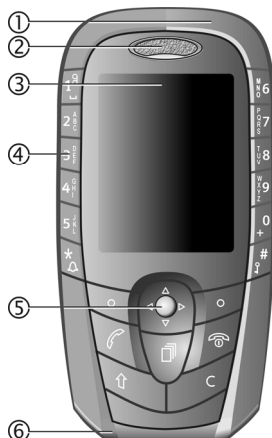
① **Infrared interface**

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

② **Push-to-talk key**
• In standby mode: start voice control,
• In voice control mode: start recording,
• In voice record mode: start recording.

③ **Snapshot key**
• In standby mode:
  start snapshot application,
• Snapshot mode: take a photo.

④ **MultiMediaCard insertion**

⑤ **Device interface**

Connection for charger, headset etc.
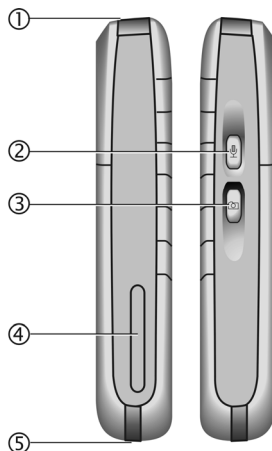
① *#* key Hold down

In standby mode: switch key lock on/off.

② **Soft keys**

The current functions of these keys are displayed in the lowest display line as text or icons.

③ *** key Hold down

In standby mode: Switch on/off the profile "Silent" (p. 76).

④ **Joystick**

Move the joystick left, right, up down for navigation on the display.

Press the joystick to open folders or start applications.

⑤ **Menu key**

Press to display the main menu. Hold down to switch between applications (p. 17).

⑥ **Call key**

Dial displayed phone number or name, accept calls. In standby mode: display the last calls.

⑦ **On/Off/End key**

Press: end call/function and return to standby mode.

In menus: one menu level back.

Hold down:

Switch phone on/off. From menus: return to standby mode.
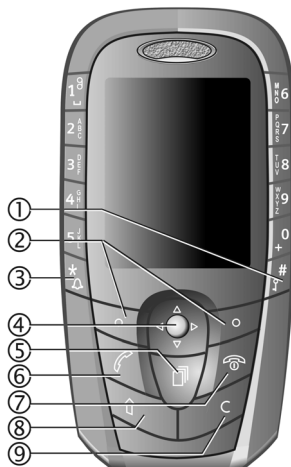
⑧ **Shift key**

Opens the text menu with editing functions.

In lists: while holding, press/move the joystick to mark/unmark items.

In edit mode: while holding, press/move the joystick to mark/unmark characters.

⑨ **Clear key**

Deletes selected items in edit mode or user-created lists.

Insert SIM card/battery

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

• Press the lock ❶ and remove the lid in the direction indicated by the arrow ❷.
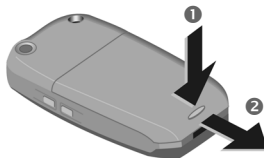
• Remove the battery upwards ❸.
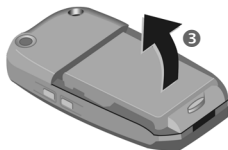
• Insert SIM card in the opening with contacts **pointing downwards**. First push at the phones edge ❹, than push gently until it engages ❺ (make sure the angled corner is in the correct position).
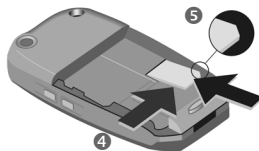
• Insert battery into phone ❻.
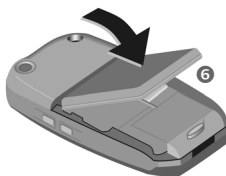
• Close the lid by reversing the method described in ❷.

Note

Always switch off phone before removing the battery!

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

Getting started

15

Emergency number (SOS)

Must only be used in real emergencies!

Switch the phone on and check for adequate signal strength.

🕾   Press to go to standby if in a menu or application.

📱   Key in the emergency number (e.g. 112 or other official emergency numbers).

📞   Press to call the number.

You can make an emergency call on any system without a SIM card and without entering a PIN (not available in all countries).

Charge battery

The battery is not fully charged when delivered. Plug in the charger cable at the bottom of the phone, plug in the power supply unit to the 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 3 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 mains voltage specified on the power supply unit must not be exceeded.

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 two hours at most. 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.

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

User guide

The following symbols are used to explain operation:

⌨	Enter numbers or letters.
✆	On/Off/End key.
✆	Call key.
○ ○	Soft keys.
⇧	Shift key.
◁	Clear key.
🗐	Menu key.
➤	Use joystick for navigation on display, and for open folders and applications.
⌖!	Function depends on the service provider, special registration may be necessary.

Navigation

Joystick
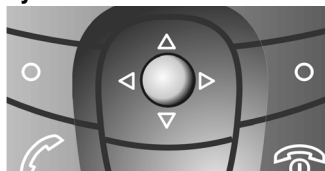
Move the cursor in menus, and lists by moving the joystick to the left, right, up, and down.

Open selected folders or start applications by briefly pressing on the joystick.

Menu

In the Menu you can access all main applications.

🗊   Press the menu key to display the Menu.

Personalize your Menu

Organize all applications and folders in any order you like. Select the required item, then:

Options ▶ Move

A check mark is placed beside the selection. Move with the cursor to the new position and press **OK**.

To move items to a folder, select the required item:

Options ▶ Move to folder

A list of available folders is shown as possible destinations (function is not shown if there is no folder available). You can also choose the root level when moving an item out of a folder. Select the new location for the item and press **OK**.

Menu options

Open, List view, Move, Move to folder, New folder, Exit.

Switching between applications

If there is more than one application running you can switch between them.

🗊   Press and hold down the Menu key.

A list with all active applications appears on the display. Scroll to the required one and press the joystick to switch the active one.

Note

If too many applications are open, some may be closed by the phone to save memory. Unsaved data will be saved automatically before an application is closed.

Searching

Your phone has one search field for all purposes. In some applications this field is visible automatically. In other cases you may have to activate it:

Options ▶ Find

To search for an item, key in letters in the search field. The phone starts searching automatically and shows the matches for selection. To optimize the search, key in more letters. To open the found item, press the joystick.

Switch on, off / PIN entry

Switch on, off

🖉   To switch **on**, hold **down** On/Off/End key.

To switch **off**, hold **down** On/Off/End key in **standby mode**.

Enter PIN

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

📟   Enter your PIN code using the number keys (shown as a series of asterisks. If you make a mistake press ⌫.

🖉   Press **OK** to confirm the input. Logging on to the system will take a few seconds.

> Discolored or bright spots may appear on the display. This is a design-related feature of the screen.

Standby mode

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

Fr 30/05/2003

Undef.   Bookma…
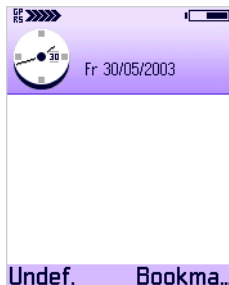
The following indicators are shown on the display:

Signal strength

▶⟫⟫⟫   Strong signal.

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

Battery charge level

Shows the power of the battery in 7 steps, e.g.:

▭▬   Half full.

▬▬   Full.

General

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 code	Protects your SIM card (personal identification number).
PIN2 code	This is needed to set the charge detail display and to access additional functions on special SIM cards.
PUK PUK2	Key code. Used to unlock SIM cards after the wrong PIN has been entered.
Security code	Protects your phone. The default code number is **12345**. You can change the security code to any number.

To access code administration:

🗇 ▶ **Setup** ▶ **Settings** ▶ **Security** ▶ **Phone and SIM**
▶ Select a function:

PIN code request

The PIN is usually requested each time the phone is switched on. You can deactivate this feature but you risk unauthorized use of the phone.

PIN code

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

PIN2 code

(displayed only if PIN 2 is available) Change PIN2 proceed as with **PIN code**.

Security code

You can change the security code to any number (max. 5 digits). The default code number is **12345**.

If it is entered incorrectly three times, all applications using this code are barred. In this case, please contact Siemens Service (p. 101).

Clear SIM card restriction

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.

Dialing with number keys

The phone must be switched on (standby mode).

📱   Enter the number (always with prefix).

⓪ Press to set the international prefix **+**.

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

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

Dialing using Contacts

Press the joystick or move it down to open **Contacts** (in standby mode)

or

⬚ ► **Contacts**

     Select required entry.

↗   Press the Call key to start the call.

For further information see p. 29.

Note

You can assign a phone number to keys 2 to 9 for shortcut (p. 79).

Accept call

The phone must be switched on (standby mode).

↗   Press.

or

◻   Press **Answer**.

If the phone number has been transmitted by the system, it is displayed. If it is stored in the Addresses, the corresponding name/picture is displayed.

End call

☎   Press the End key.

Note

End an active call even if the person on the other end of the line has hung up first.

Dialing options

Add to Contacts (Create new, Update existing), Call, Send (Text message/ Multimedia message).

Making a phone call

Decline call

✆	Press the end key. The caller will hear a "line busy" tone. The call may be forwarded if this has been set previously (p. 87).

Call waiting

You may need to register for this service with your service provider and set your phone accordingly (p. 79).

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:

✆	Press **Call** during the call to answer the waiting call. The first call is put on hold.
✆	Press briefly to end the active call or hold down to end both calls. Also:

Options ▶ **End all calls**

If a second call is on hold:

✆	Press **Swap** to switch between the calls.

Conference

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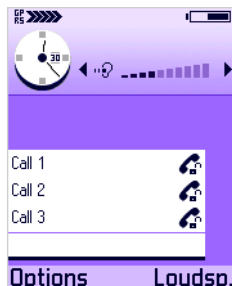
You have established a connection:

⌨	Enter the new number, or use **Contacts** (p. 29).
✆	Press the Call key. The first call is automatically put on hold. When the new connection is established, add the first participant:

Options ▶ **Conference**

To add another person to the conference, repeat procedure and then select:

Options ▶ **Add to conference**

Private

You can have a private conversation with one of the conference participants:

Options ▶ **Conference** ▶ **Private**

    Select participant.

◯   Press **Private**.

You can now have a private discussion, while the rest of the conference participants continue talking.

To end the private conversation and go back to the conference:

Options ▶ **Add to conference**

Drop

To remove one participant from the conference:

Options ▶ **Conference**
            ▶ **Drop participant**

    Select participant.

◯   Press **Drop**.

Options during a call

Mute/Unmute, End active call, End all calls, Hold/Unhold, Swap, Conference, Add to conference, Private, Drop participant, Transfer, Answer, Decline, Send touch tones, Activate loudsp.

Most relevant functions:

Mute/Unmute

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

Transfer

The original call is connected to the second one. For you, both calls are now ended

Send touch tones

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

 ※   Press to produce a *.

 #   Press to produce a #.

 ※   Press repeatedly to produce "p" for a pause of approx. 2 seconds, and

    "w" if you want the remaining sequence not to be sent until you press **Send** again during the call.

◯   Press **OK** to send the tone.

Note
To store touch tones as an **Contacts** entry, see .

Volume control

Move the joystick left/right to decrease/increase volume when a call is active or a sound plays.

Do the same if a headset is connected.

Handsfree

To activate/deactivate the loudspeaker during a call:

Press side key

or

Options ▶ Activate loudsp./
       Activate handset

You can hear the caller via the built-in loudspeaker. Also useful when using an application during a call, e.g. calendar or notes.

General

Your phone offers two ways of writing text:

- The conventional method. You press a number key repeatedly until the required character appears.
- The T9 method. You write a word, pressing each number key only once.

Conventional writing

To switch to conventional writing:

⬆ Press.

Alpha mode
Select.

Press a number key repeatedly until the required character appears. Make a pause until the cursor appears to the right of the written character. Write next character and so on.

After the characters of a key its number is written, followed by similar characters used in foreign languages.

T9 writing

To switch to T9 writing:

⬆ Press.

Dictionary on
Select.

If T9 text input is switched on this icon is shown: **T9**

T9 deduces the correct word from the individual key entries by making comparisons with an extensive dictionary. Since the display changes as you proceed ...

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

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

[4] [6] [8] [3] [5]

While you write a word it is underlined. If it is correct move the cursor to the right or insert a space.

If the word is incorrect and the cursor marks the word:

▢ Press Next T9 repeatedly to view matching words stored in the dictionary.

  If the last match is reached, you can add the word as a new entry to the dictionary.

▢ Press Spell to write the new word. Press OK to save it to the dictionary.

Writing text 25

General rules

1	Writes a blank and ends the word.
1	**Short** press twice for line feed.
0	Multiple **short** press inserts punctuation marks.
0	Writes a dot.
C	Deletes the character left of the cursor.
*	Shows a table with special characters for selection.
#	Switch between (dependent on mode): **abc**/**T9abc** – All lower case. **Abc**/**T9Abc** – First letter upper case, following lower case letters. **ABC**/**T9ABC** – All upper case.
#	Long press: **123** – Number mode. Status indicator at the top line of the display. Long press on any number key writes numbers.

Dictionary options

Depending on the current situation, not all functions are visible.

Press to open dictionary options.

Matches View a list of matching words for selection.

Insert word
Add a word to the dictionary (max. 32 letters). If the dictionary becomes full, a new word replaces the oldest one.

Number mode
Switch to number input mode.

Insert symbol
Shows a table with special characters for selection.

Writing language
Change the dictionary language. If the required dictionary is not available, see **Writing language**, p. 78.

Copy Selected text will be copied into the clipboard. To select text:
Press and hold, while moving the joystick left/right to select words or up/down to select lines.
Still hold and press **Copy**.

Cut	⟍⟍ **Short** press to open the menu, select **Cut** to cut and copy the selected text into the clipboard.
Paste	To insert text from the clipboard: ⟍⟍ Press and hold, then press **Paste**.

⟍⟍	Press to remove the selected text from the document.

General

In **Contacts** you can store and manage entries with names, phone numbers and additional address information. Add voice dialing, a personal ring tone or a thumbnail image to an entry.

Open the Contacts

Press joystick (in standby mode)

or

🔲 ➤ **Contacts**

New entry

🔲 ➤ **Contacts** ➤ **Options** ➤ **New contact**

📱 Enter at least a name and a phone number. To write text, see, p. 24.

🔘 Press **OK** to store the new entry.

First name
Thilo
Last name
Mustermann
Company
  Siemens|
Job title

Options ◆ **Done**

Insert SIM card entries

You can copy entries from the SIM card to the **Contacts** on the phone. Further data can be added to them subsequently.

🔲 ➤ **SIM**

Open SIM directory and select the name(s) you want to copy.

Options ➤ **Copy to Contacts**

To copy an entry from **Contacts** to SIM, open the entry and select the required number:

Options ➤ **Copy to SIM ph.book**

Contacts options

Open, Call, Create message (Text message/Multimedia message/E-mail), New contact, Edit, Delete, Duplicate, Add to group, Belongs to groups, Mark/Unmark, Mark all/Unmark all, Send business card (Via SMS/Via e-mail/ Via Bluetooth/ Via infrared), Contacts info, Memory, Voice tags, Exit.

Edit an entry

Select required entry.

Options ➤ **Edit**

📟 Make the required changes.

⬜ Press **OK**, to save the setting.

Delete an entry

Select required entry.

Options ➤ **Delete**

Delete multiple entries

Select required entries.

Options ➤ **Mark**

or

Options ➤ **Mark all**

The entries are indicated by a check mark. Mark further entries if required. To delete all marked entries select:

Options ➤ **Delete**

Add and remove fields

There are additional fields available for an entry. To add/delete an extra field, open the entry, then:

Options ➤ **Edit**

Then in edit mode:

Options ➤ **Add detail/Delete detail**

Edit label select to edit a new name for the field.

Add a picture

There are two different types of pictures you can add to a contacts entry. See also **Camera**, p. 55.

Thumbnail

This image is shown in the display when the entry calls you. To open the required entry:

Options ➤ **Edit**

Then in edit mode:

Options ➤ **Add thumbnail**

Select a thumbnail.

Image

Attach an image to an entry. Open the required entry, move the joystick to the right to open the image view, then:

Options ➤ **Add image**

Contacts

Add Touch tones

In editing mode add the field Touch tones to the entry:

Options ➤ Add detail ➤ Touch tones

📱   Key in the touch tone string.

To use it, make a call. Once the connection is established, select the **Touch tones** field and press **OK**.

Editing options

Add thumbnail/Remove thumbnail, Add detail/Delete detail, Edit label, Exit.

Call an entry

📞 **➤ Contacts**

Select required entry and press joystick.

If there is more than one number available select the required number from the list.

📞   Press.

View an entry

The view mode shows all fields with information contained in the entry. Move the joystick to the right to open the image view.

Select the required entry and press the joystick

or

Options ➤ Open

View mode options

Call, Create message (Text message/ Multimedia message/E-mail), Edit, Delete, Defaults, Add voice tag/Voice tags, Assign 1-touch no./Remove 1-touch no., Ringing tone, Copy to SIM ph.book, Send business card: (Via SMS/Via e-mail/ Via Bluetooth/Via infrared), Exit.

Assign default numbers and addresses

If an entry has several phone numbers or e-mail addresses, to speed up calling and sending messages, you can define certain numbers and addresses to be used as default.

Open the entry.

Options ➤ Defaults

In a pop-up window the following options are displayed:

- Phone number
- SMS number
- MMS number/address
- E-mail address

Select an option, then

![key] Press **Assign**. All assigned numbers/addresses are displayed. Select the one you want to have as the default.

Groups

For better handling of large numbers of **Contacts** entries you can assign them to groups. These can also be used as distribution lists for sending short messages or e-mails.

New group

Open Contacts:

![key] **Contacts**

Move the joystick to the right to open the Groups list.

Options ➤ **New group**

![key] Write a name for the group.

![key] Press **OK**.

Add members

Open Contacts:

![key] **Contacts**

Select required entry.

Options ➤ **Add links to group**

Select required group (if more than one available).

![key] **Add links to group** press.

Add multiple members

Open Contacts

![key] **Contacts**

Move the joystick to the right to open the Groups list. Select and open required group.

Options ➤ **Add members**

Select an entry and press the joystick to mark it. Repeat on all entries you want to add.

![key] Press **OK** to add all marked entries to the group.

Contacts

Remove members

Open Contacts:

🔟 ➤ **Contacts**

Move the joystick to the right to open the Groups list. Select and open required group. Then select required entry;

Options ➤ **Remove from group**

    ⭕   Press **Yes**.

Groups options

Open, New group, Delete, Rename, Ringing tone, Contacts info, Memory, Voice tags, Exit

Most relevant functions:

Contacts info

Memory

No. of contacts/groups

Ringing tone

Assign an individual ring tone to the selected group.

Voice tags

List of all entries with voice tags. Press **Options** to edit.

Voice dialing

30 phone numbers can be dialed by simply saying a word e.g. the name of an entry. Voice dialing entries must be stored in the phone's memory (not on the SIM card!).

Some useful hints before using voice dialing:

• Voice tags depend only on the speaker's voice, not on the language.

• Beware of loud background noise, voice tags are sensitive to it.

• Use long names for better recognition and differentiation between similar names.

• When using voice dialing, the loudspeaker is in use.

Record

Open **Contacts** and select the required entry.

Open the entry and select the required number.

Options ➤ **Add voice tag**

    ⭕   Press **Start**.

Say the name after the starting tone. It takes two times of training to enter a voice tag. Wait until the name is repeated and automatically saved by the phone.

□—— Press **Quit** if you don't
        want to save the
        recording.

✦   When the voice tag is
        saved, a symbol can be
        seen next to the number
        in the addressbook entry.

Apply

Press Voice dialing key on the side of
the phone.

A short signal sounds. Now say the
name. The phone answers with the
original voice tag and displays the
number and name. The number will
be dialed after 1.5 seconds.

□—— Press **Quit** if you don't
        want to make this call.

Editing options

Playback, Delete, Change

Note

To view the list of all defined voice tags:
Open Contacts:

Options ➤ Contacts info ➤ Voice tags

To hear a voice tag, select it:

Options ➤ Playback

Add a ring tone

You can set a specific ring tone for
each entry or group. When that entry
or group member calls you, this ring
tone will be played.

Note

The phone number of the caller must be
sent with the call to become recognized
(see also **Send my caller ID**, p. 79).

Open **Contacts** and select the
required entry. Open the entry

or

move the joystick to the right to
open the Groups list.

then

Options ➤ Ringing tone

Select the required tone.

□—— Press **Select**.

Note

All entries in a group get the same ring tone
you assign to the group, even if they had
their own one before.

Contacts

Business card

You can create an entry as your own business card and transmit it as a message in vCard format via SMS and e-mail or you may transmit it to another device with IrDA or Bluetooth capability.

Open Contacts and select your entry.

Options ➤ Send business card

Then select the method:

Via SMS, p. 37

Via e-mail, p. 38,

Via Bluetooth, p. 88

Via infrared, p. 91

Log

General

Your phone stores numbers of phone calls for convenient redialing and registers all traffic such as short messages, packet data connections and fax/data calls.

Recent calls

⬆ ➤ **Log** ➤ **Recent calls**

Select required list:

Missed calls

Up to 20 phone numbers of calls that you have received but not answered are stored for call back purposes.

Requirement: The system supports the "Caller Identity" feature

Received calls

Up to 20 phone numbers, or names of the most recently accepted calls are listed.

Requirement: The system supports the "Caller Identity" feature

Dialed numbers

Access to the last 20 numbers you dialed or attempted to call.

Editing options

Call, Use number, Delete, Clear list, Add to contact, Exit

Log list

⬆ ➤ **Log**

Move to right to show the total log list.

Icons in the list:	
⬆	Missed calls.
⬇	Incoming calls.
⬆	Outgoing calls.

Log list options

View details, Clear log, Filter, Add to contact, Settings, Exit.

Most relevant function:

Use the **Filter** for a detailed view of the list.

Call timers

Displays the duration of incoming and outgoing calls.

Available lists:

Last call, Dialed numbers, Received calls, All calls

Note

You can see the call duration during an active call:

Options ➤ **Settings** ➤ **Show call duration** ➤ **Yes**

Call costs

Call costs allows you to check the cost of the last call or all calls.

Call costs limit set by a service provider

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

The number of remaining units is shown during a call and in standby mode. The display of prepaid cards may vary depending on the service provider.

Call costs limit set by yourself

(PIN 2 query)

Options ➤ **Settings**
➤ **Call costs limited** ➤ **On** ➤ **OK**

Enter the limit in units or currency depending on the setting **Show costs in** above.

GPRS data counter

🗊 ➤ **Log** ➤ **GPRS counter**

Allows you to check the amount of data sent and received during packet data (GPRS) connections.

Log options

The offered functions depend on the current situation/position:

Open, Clear timers, Clear counters, Clear recent calls, Settings, Exit

Most relevant functions:

Clear recent calls:

You can clear **all** recent calls lists.

Settings:

- **Log duration**: No, 1,10 or 30 days.
- **Show call duration** during an active call: **Yes/No**
- **Show costs in** (PIN 2 query): **Currency/Units**
- **Call cost limit** (PIN 2 query): **Off, On** (see above).

Messages

General

![envelope icon]

囗 ➤ **Messages**

Transmit and receive messages via:

- SMS,
- Smart message,
- MMS,
- E-mail,
- Bluetooth or infrared.

Additionally you may receive cell broadcast messages or WAP service messages.

Message options

The offered functions depend on the current situation/position.

Open, New message (Text message, MMS, E-mail), Connect, SIM messages, Cell broadcast, Service commands, Settings, Exit

New messages

SMS (Short message)

You may transmit and receive very long SMS (up to 760 characters) on your phone, which are automatically composed from several "normal" SMS messages (note the accruing charges).

Depending on the service provider, e-mails and faxes can also be sent or e-mails can be received via SMS (change setting if necessary, p. 44).

Create a short message

Messages ➤ **Create message** ➤ **Text message**

To insert recipient in the field **To**:

- Press joystick to open contacts, mark/unmark recipient(s). Press **OK** to return to message. If a recipient offers multiple phone numbers, select one.
- Write the phone number
- Copy the recipient from another application (**Copy**, see p. 25).

Move down to the text field and write text (p. 24).

In the top of the display the message length indicator will show you the number of used characters and SMS.
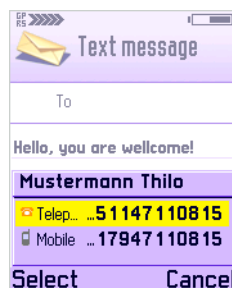
Send the message:

Options ➤ **Send**

Save the message (to send it later):

📞   Press **Close** to save
message to **Drafts**.

SMS Options

Send, Add recipient, Insert (Picture, Template), Delete, Message details, Sending options (p. 44), Exit.

Smart message

Smart messages are special short messages that can contain data. You can send a business card (vCard, p. 33) or a calendar note (vCalendar, p. 65). You may receive e.g. WAP Service setting information, a ringing tone or an operator logo.

MMS

The **M**ultimedia **M**essaging **S**ervice enables you to send texts, pictures, sounds and video clips in a combined message to another mobile phone or to an e-mail address. Depending on the setting of your phone, you will automatically receive the complete message or you will receive a notification that an MMS has been saved in the system, giving its sender and size. 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.

Note

Only devices that offer Multimedia Messaging Service can receive multimedia messages.

A multimedia message can have several pages with text, music or pictures included in each page.

Text can be composed using T9 support (p. 24).

An **Image** that has been produced with **Snapshot** or received in a message can be attached. The maximum size of 640x480 pixels is reduced to the size of the display.

A **Sound clip** is sent and received as a MIDI or AMR file.

A **Video clip** can be recorded with the Camcorder application, located at:

🔲 ➤ **Snapshot** ➤ **Video**

Further informations about camcorder see:
www.my-siemens.com/sx1

All items in an MMS are combined in the form of a slide show.

**Create a multimedia message**

Messages ➤ **Create message** ➤ **MMS**

To insert recipient in the field **To:**

- Press joystick to open contacts, mark/unmark recipient(s). Press **OK** to return to message. If a recipient offers multiple phone numbers or e-mail addresses, select one.
- Write the phone number
- Copy the recipient from another application (**Copy**, see p. 25).

Move down to the text field and write text (p. 24).

To add an image, a sound clip, a video clip and templates to the message:

Options ➤ **Insert (Image, Sound clip, Video clip, Template)**

To add a new image (opens **Snapshot**, p. 55) or a new sound (opens **Voice memo**, p. 66) to the message:

Options ➤ **New sound clip, New image**

To remove the image, the sound clip or video clip from the message:

Options ➤ **Remove (Image, Sound clip, Video clip)**

To see the complete multimedia message before sending:

Options ➤ **Preview message**

To see/hear the single objects of the message:

Options ➤ **Objects**

(In the **Objects** view you are offered other **Options** to arrange, open and remove objects).

Save the message (to send it later):

Press **Close** to save message to **Drafts**.

Send the multimedia message:

Options ➤ **Send**

MMS options

Send, Add recipient, Insert, Preview message, Objects, Remove, Delete, Message details, Sending options, Exit.

E-mail

Your phone has its own e-mail client. You can use it to create and receive e-mails. A file from the file system (e.g. ring tone) can be inserted in an e-mail as an attachment.

Create an e-mail

Messages ➤ **Create message** ➤ **E-mail**

To insert recipient in the field **To:**

- Press joystick to open contacts, mark/unmark recipient(s). Press **OK** to return to message. If a recipient offers multiple e-mail addresses, select one,

• Write the e-mail address(es).

Note

*	Press for @.
#	Press to separate several recipients with a semicolon.

- To send a copy of the e-mail to someone, insert the address in the field **Cc:**

- In the field **Subject**, enter the header of the e-mail.

Move down to the text field and write text (p. 24).

To add attachments like images, sound clips, video clips, notes and templates to the message:

Options ▶ Insert (Image, Sound clip, Video clip, Note, Template)

To see/hear the single objects of the e-mail:

Options ▶ Attachments

(In the Attachments view you are offered other **Options** to open, insert and remove objects)

Send the e-mail:

Options ▶ Send

(E-mails are automatically transmitted to the Outbox before sending).

Save the message (to send it later):

◌	Press **Close** to save message to **Drafts**.

E-mail options

Send, Add recipient, Insert, Attachments, Delete, Message details, Sending options, Exit.

Inbox

All received messages are stored in the Inbox (except e-mails, see Mailbox (p. 42) and cell broadcasts (p. 49).

Messages ▶ Inbox

Unread messages are written in bold. The following icons may appear for

📨	new/read short messages
📧	new/read smart messages
📨	new/read multimedia messages
📄	new/read WAP service messages
📲	data received via Bluetooth
🔵	data received via infrared
📄?	unknown type

Inbox options

Open, Create message (Text message, MMS, E-mail), Delete, Move to folder, Mark/Unmark, Mark all/Unmark all, Exit.

Messages

Viewing a message

Select the required message in the Inbox and press the joystick to open it. Use the joystick to scroll through the message line by line. Move the joystick left/right to show the previous/next message.

View options

The functions offered depend on the opened message type.

SMS and others

Reply

Open the message in the editor with the sender's address in the field **To:**

Forward

Open the message in the editor.

Call

Call the sender (or press 🔽)

Add to Contacts

With the sender's address, update an existing address entry or create a new one.

Find

Search message for phone numbers, e-mail addresses and Internet addresses (URL).

Move to folder

Move the message to another folder.

Message details

Check detailed information about the message.

Smart messages only

Picture message

Save the picture in a smart message to **Images**. Other objects to save may be:

Ringing tone, Operator logo, Calen. entry

Business card

Save the data to Addresses. If a picture is attached, it will be saved to Addresses as well.

Save to bookmarks

Save a bookmark to the list:
Bookmark:

E-mail notification

Tells you the number of new e-mails in your remote mailbox. For how to read an e-mail, see **Mailbox**.

Service data

If service data are received, copy them with the relevant function:
Save to e-mail sett., Save to SMS sett., Save to Voice mail, etc.

Multimedia messages only

View image
Shows an attached image.

Play sound clip
While playing, move joystick right/left to increase/decrease volume. Press **Stop** to stop the audio playback.

Play video clip
Plays an attached video clip.

Objects
List all the different multimedia objects in a multimedia message. In the **Objects** view you are offered more **Options** to open, save and send objects.

Note
Beware of viruses and harmful software. Do not open attachments from suspicious senders. See also Certificate management (p. 83).

WAP messages

The message may contain bookmarks and/or access point information. To save both, select **Save all**. To save them separately, select **View details**. Then select **Save to bookmarks** or **Save to Settings**.

WAP service messages

Your provider may offer "push messages" which are notifications of news headlines or services. For availability and subscription details, ask your service provider.

A WAP service message may contain text or addresses. To view or download the service select **Download message.** If necessary, the phone makes a data connection.

My folders

Messages ➤ **My folders**

Organize your messages in folders. You may create new folders, rename or delete old ones.

Templates is a special kind of folder which contains fixed phrases. There you can add new templates for later use in your messages.

Note
When you are looking inside a folder, you can simply change to other folders by moving the joystick left/right.

My folders options

Open, Create message (Text message, MMS, E-mail), Delete, Message details, Move to folder, Mark/Unmark, Mark all/ Unmark all, Rename folder, Exit.

Mailbox

Messages ▸ **Mailbox**

Connecting to the mailbox

If you have not setup your e-mail account, you will be prompted to do so; see **Settings** (p. 47).

Options ▸ **Connect**

Yes	Connect to your mailbox.
No	Read the e-mails stored in your phone off-line.

Disconnect from the mailbox

After retrieving your e-mail you should disconnect and read your messages off-line to save connection costs.

Mailbox options

The functions offered depend on your on-line or offline status.

Open, Create message (Text message, MMS, E-mail), Connect/Disconnect, Retrieve e-mail (New, Selected, All), Delete, Message details, Copy to folder, Mark/Unmark, Mark all/Unmark all, Exit.

Read new e-mail

Before an e-mail can be read, it should be retrieved from the server. The service provider is dialed with the set access profile and all/new e-mails are transmitted to the mailbox list in your phone.

Options ▸ **Retrieve e-mail**

New	Retrieve only new unread e-mails.
All	Retrieve all e-mails from your remote mailbox.
Selected	Use the Mark/Unmark function to select the required e-mails.

To read an e-mail, select the required message in the list and press the joystick to open it.

Note

Before getting the latest e-mail you must always reconnect to your mailbox.

Delete e-mail

You may delete e-mail from the phone only or from the phone **and** the remote mailbox on the server:

Options ▸ **Delete** ▸ **Phone only**

or

Options ▸ **Delete** ▸ **Phone and server**

View e-mail options

Reply (To sender/To all), Forward, Delete, Attachments, Message details, Move to folder, Add to Contacts, Find, Exit.

E-mail attachments

🔲 If an e-mail has indicated this attachment sign, select.

Options ➤ **Attachments**

In the attachment view, you may retrieve, open or save attachments separately, if any corresponding application is available.

Note

Beware of viruses and harmful software. Do not open attachments from suspicious senders. See also Certificate management (p. 83).

Retrieve attachments

Your mailbox may be setup not to receive attachments automatically. This is indicated by a dimmed attachment indicator in the e-mail.

To receive the attachment:

Options ➤ **Retrieve e-mail**

Open attachments

In the attachment view, select the required attachment and press the joystick to open it.

On-line

The attachment is retrieved from the server and opened by the corresponding application.

Off-line

You can decide whether to connect to retrieve the attachment.

Note

If using the
- IMAP 4 protocol, you may receive e-mail headers, messages or messages with attachments separately,
- POP 3 protocol, you may decide to receive headers only, or messages with attachments included.

Save attachments

You can save attachments separately from the e-mail in the corresponding application:

Options ➤ **Save**

View attachment options

Open, Retrieve, Save, Send (Via infrared, Via Bluetooth), Remove, Exit.

Drafts

Messages ➤ **Drafts**

This folder contains messages which have not yet been sent.

Sent

Messages ➤ **Sent**

This folder contains the last 15 messages which have been sent (to change no. of stored messages, see p. 48).

Outbox

Messages ▶ Outbox

Messages are temporarily stored in this folder until they are sent.

Status of the messages:

Sending

The message is being sent.

Waiting

This message is waiting, if there are two similar message types in the Outbox for sending.

Resend at <time>

If transmission has failed, the procedure will be repeated after a time-out period.

Deferred

This message is on hold.

Failed

If the maximum number of unsuccessful transmission attempts has been reached, transmission has failed.

Outbox options

Create message, Deferred, Delete, Send, Move to Drafts, Exit.

Reports

Messages ▶ Reports

All messages required for status information are collected in this folder, e.g. a confirmation required by **Receive report** (p. 44). Each recipient has his own report.

Settings

Select required message type and press the joystick.

Text message

Messages ▶ Options ▶ Settings ▶ Text message

Message centers

Shows a list of all defined message centers (to add a new entry see p. 45).

Msg. center in use

Select the message center you will use for messaging.

Receive report

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

Message validity

Select the period in which the service center tries to deliver the message:

1 hour, 6 hours, 24 hours, 3 days, 1 week, Maximum time*

(*) Maximum period that the service provider permits.

Message sent as

Make sure that your service provider supports the conversion formats (for information please contact your service provider).

> **Text**
>
> Normal SMS message.
>
> **Fax**
>
> Transmission via SMS.
>
> **E-mail**
>
> Transmission via SMS.
>
> **Paging**
>
> You may need to obtain the required code number from your service provider.

Preferred connection

You can choose between **GSM** or **GPRS** as default, if supported by the used system.

Reply via same ctr.

The reply to your message is handled via your service center (for information please contact your service provider).

SMS options

Message center, Edit, Delete, Exit.

Most relevant functions:

Message centers ➤ **Options** ➤ **New msg. center**

Press the joystick, write a name for the new service center, then press **OK**.

Move joystick down and press it. Write the number of the new short message center, then press v (get the number from your provider).

To use the new service center go to **v** and select it.

MMS

Messages ➤ **Options** ➤ **Settings** ➤ **MMS**

Preferred connection

Select the access point to be used as the preferred connection. To define a new access point, see **Settings** p. 80.

Secondary conn.

Select the access point to be used as the secondary connection.

Note

Both connections (preferred and secondary) refer to the same Internet settings. Only the data connection is different, e.g. GSM data call as preferred and GPRS as secondary. For further information please contact your service provider.

MMS reception

> **Only in home sys.**
>
> You will receive multimedia messages only when you are in your home system.
>
> **Always on**
>
> You will always receive multimedia messages.
>
> **Off**
>
> Select if you never want to receive multimedia messages.

Note

Sending and receiving multimedia messages outside your home system may incur higher connection costs.

With settings **Only in home sys.** and **Always on** your phone can make calls in the background without your knowledge!

On receiving msg.

> **Retr. immediately**
>
> Multimedia messages will be retrieved instantly, even those with the **Deferred** status.
>
> **Defer retrieval**
>
> Multimedia messages will be saved in the service center for later transfer (see **Retr. immediately**).
>
> **Decline message**
>
> All saved multimedia messages will be deleted by the service center.

Allow anon. messages

Select **No**: Decline all messages from an anonymous sender.

Receive ads

Receive all multimedia message advertisements.

Receive report

The status of a sent message is shown in the **Log** as **Pending**, **Failed** or **Delivered**. Otherwise only **Delivered** is shown.

Deny report sending

Your phone will not send delivery reports of received multimedia messages.

Message validity

Select the period in which the service center tries to deliver the multimedia message:

1 hour, 6 hours, 24 hours, 3 days, 1 week, Maximum time*

(*) Maximum period that the service provider permits.

Image size

You can define the image size in a multimedia message:

> **Large** (640 x 480 pixels, VGA)
> **Small** (160 x 120 pixels)

Speaker

> **Loudspeaker**
>
> Sounds are played over the built-in loudspeaker, p. 23.
>
> **Handset**
>
> Sounds are played over the ear piece.

E-mail

Messages ➤ **Options** ➤ **Settings** ➤ **E-mail**

To show the list of all mailboxes:

Mailboxes Press.

To define a new mailbox:

Options ➤ **Mailbox**

Mailbox name

Write a name for the new mailbox.

Access point in use

Choose an Internet access point from the list (to create an access point, see p. 80).

My mail address

Write the e-mail address given to you by your provider (⃰ Press for @).

Outgoing mail server

Write the host name or the IP address of the server that sends your e-mail.

Send message

> **Immediately**
>
> If you select **Send message** after writing your e-mail, a connection will be established to send the e-mail instantly.
>
> **During next conn.**
>
> The e-mail will be sent the next time you connect to your remote mailbox.

Send copy to self

You will get a copy of every sent e-mail on your mail address as defined above.

Include signature

A signature will be attached to your e-mail. Write the signature after pressing **Yes**.

User name

Write the user name given to you by your provider.

Password

Key in your password. If you don't do so, you will be prompted for it every time you want to connect to your remote mailbox.

Incoming mail server

Write the host name or the IP address of the server that receives your e-mail.

Mailbox type

POP3 or **IMAP4**.

Note

The mailbox type cannot be changed after the e-mail settings are saved.

Security

On or **Off**. Secure the connection to your remote mailbox with protocols POP3, IMAP4 and SMTP.

Retrieve attachment

You can retrieve an e-mail with or without an attachment (not shown if e-mail protocol POP3 is set).

Retrieve headers

You can limit the number of headers you want to retrieve. Select **All** or define by yourself (max. 999).

WAP service message

Messages ➤ **Options** ➤ **Settings** ➤ **Service msg.**

Service messages

On or **Off**. Receive WAP service messages or not.

Authentic. needed

You will receive WAP service messages only from authorized sources (p. 83).

Other

Save sent messages

A copy of a sent short message, multimedia message or e-mail is stored in the **Sent** folder.

No. of saved msgs.

Key in a number defining how many messages will be stored in the **Sent** folder (max. 999). When the limit is reached, the oldest message is deleted.

SIM messages

Messages ➤ **Options** ➤ **SIM messages**

To view SIM messages on the phone, they must be copied from the SIM card into a folder.

Options ➤ **Mark/Unmark** ➤ **(Mark/ Unmark, Mark all/Unmark all)**

then

Options ➤ **Copy**

Select the required folder and press **OK**.

Afterwards you can view the messages in this folder p. 40.

Options ➤ **Delete**

Delete message(s) from the SIM card.

Cell broadcast

Messages ➤ **Options** ➤ **Cell broadcast**

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

In the main view the following is displayed:

- Unread, subscribed message.
- Unread, unsubscribed message.
- Topic number
- Topic name

Note

If GPRS connection is set to **When available**, cell broadcast messages cannot be received. To receive them, change settings to **When needed**.

Settings

Reception

On/Off You can activate and deactivate the CB service. If the CB service is activated, the standby time of the phone will be reduced.

Messages

Language

All	You receive messages in all possible languages
Selected	You can choose in which languages you want to receive messages.
Other	Choose if the required language is not in the list.

Topic detection

On/Off	Save/do not save topic numbers automatically to the topic list.

Cell broadcast options

Open, Subscribe/Unsubscribe, Hotmark/ Unhotmark, Topic, Settings, Exit.

Service commands

You may send service commands (known as USSD commands), to your service provider.

To send a request in standby mode or when you have an active call:

Key in the command number (s) and press **Send**

or

to enter letters also select

Messages ➤ **Options** ➤ **Service commands**

Your service provider will supply you with further information about this.

General

⌨ ➤ **Internet**

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

Settings

Default settings

The settings have already been made by your service provider. Then you may begin immediately.

Setup via short message

You may receive settings in a short message from your provider (p. 39). Save the short message (smart message) to prepare the phone for Internet access.

Manual setup

The access point must be set manually.

• Define a WAP access point (see p. 80 for further information):

Setup ➤ **Settings** ➤ **Access points**

• Add a bookmark for the website. Open **Internet**, then

Options ➤ **Add bookmark**

Write name and address of the website and select the access point.

If necessary, check with your service provider for details.

Bookmarks view

This list contains bookmarks which allow fast access to the relevant URLs (Uniform Resource Locator).

Bookmarks may be indicated by the following icons:

⌂　　　Home page. This is displayed first after connection is established. Depends on the access point used (p. 80).

　　　Last visited page. The last page displayed before disconnection is kept in memory.

　　　Title or Internet address of the bookmark.

Adding a bookmark manually

Options ➤ **Add bookmark**
Fill in the fields:

Name　　Describing name of URL.

Address

Internet address. Press ⁂ for special characters.

Access point

Default access point is assigned if no other one is selected.

User name Enter your user name

Password Enter your password

Options ➤ **Save as bookmark**

Bookmark view options

Open, Download, Back to page, Send, Go to URL address, Find bookmark, Add bookmark, Edit, Delete, New service msgs:, Disconnect, Move to folder, New folder, Mark/Unmark, Rename, Clear cache, Details, Add to pinboard, Settings, Exit.

Most relevant functions:

Back to page

To open the Bookmarks view while browsing, press and hold down the joystick. To return to the browser view again:

Back to page

Select.

Send

Send a selected bookmark as short message.

Clear cache

All the information you have accessed during browsing is stored in the cache memory. This includes passwords and other confidential

data. So clear the cache after you have accessed confidential information.

WAP connection

〔🔟〕 ➤ **Internet**

Starting

If all required settings are entered, you can start browsing:

• Select the Homepage of your provider or a bookmark from the bookmarks view

or

• enter a WAP address using keys 2 to 9. The **Go to** field is immediately activated to take your entries.

Press the joystick to start downloading the selected/written WAP page.

Browser

Keys and commands

- To scroll the view, move the joystick up and down
- To open a link, press the joystick. New links appear underlined in blue, visited links in purple. Links as an image have a border.
- To enter letters and numbers use keys 2 to 9. For special characters use the ⁎ key.
- To show the previous page press **Back**.
- To show a list of the visited pages of the current session: **Options** ➤ **History**
- To check boxes and make selections, press joystick.
- To open the contents of a cell in a table, press joystick.
- To retrieve the latest contents from the server: **Options** ➤ **Reload**
- To open an additional command list for the current WAP page: **Options** ➤ **Internet options**
- 🕾 press, to disconnect from a WAP service.

View new WAP service messages

To view new messages while browsing:

Options ➤ **New service msgs:**

Scroll to the required message and press the joystick to download and open it.

Save bookmarks

To save the current WAP page as a bookmark:

Options ➤ **Save as bookmark**

Save WAP pages

To view a WAP page off-line, you can save it to the phone memory.

Options ➤ **Save page**

To open the Saved pages list, move the joystick right in the Bookmarks view. To open a saved page, select the required page and press the joystick. If you want to retrieve the page on-line again, e.g. to refresh the contents:

Options ➤ **Reload**

Note

You remain on-line after retrieving a page.

You can arrange saved WAP pages into folders.

End

To end a WAP session and disconnect:

Options ➤ **Disconnect**

or

![hang up] Press.

WAP browser settings

![menu] ➤ **Internet** ➤ **Options** ➤ **Settings**

Default access point

> Press the joystick to get a list of available access points. See also **Settings**, p. 80

Show images

> Show images during browsing or not. If **No** is selected, you can view images during browsing by **Options** ➤ **Show images**

Font size

> Choose between **Large**, **Normal** and **Small**.

Cookies

> **Allow** or **Reject** the sending and receiving of cookies.

Confirm touch tones

> Choose between **Always** and **First sending only**.

> The WAP browser allows you to let a call include sending touch tones during browsing. Choose if you want to confirm before the phone sends touch tones during a voice call.

Text wrapping

If **On** is set, long text will be continued in the next line, otherwise it will be truncated at the end.

Save receipt

Digitally signed documents can be saved to the phone.

Connection security

![lock] If the security indicator is displayed during a WAP session, data transmission between phone and WAP gateway is secure and encrypted.

Note

This does not mean that communication between phone and content server (where the requested resource is stored) is secure. It's up to the service provider to secure the path between gateway and content server.
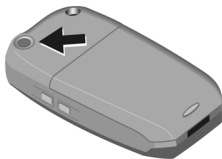
Snapshot

⌨ **Camera** ▶ **Snapshot**

You can take photographs with the integrated digital camera in the phone.

The camera uses JPEG as the standardized image format, which can be viewed with most available image viewers.

Press the Snapshot key on the side of the phone to start the Snapshot application. The display shows the current view.

Take a snapshot

Press the camera key or the joystick to take a picture of the current view. It will be saved automatically in the **Images** application, p. 56.

To prepare the next shot, wait until the last picture is stored. This takes a few seconds.

Press **Delete** if the picture does not meet your expectations.

Snapshot modes

The camera supports three modes. Move the joystick left/right to toggle between them.

Miniature

Standard

Full screen

Miniature

Small icon-sized picture, which can be added to an addressbook entry.

Shown resolution 80 x 96 pixels, storage format 80 x 96 pixels.

Standard

Normal landscape mode. Shown resolution 160 x 120 pixels, storage format 160 x 120 pixels.

Full screen

Advanced landscape without borders around the picture.

Shown resolution 160 x 208 pixels, storage format 480 x 640 pixels.

Snapshot options

The offered functions depend on the current situation before/after taking the picture, or after timeout:

Capture, Continue, Go to Images, Settings, Exit.

Most relevant functions:

Go to Images

Opens the Images application, where you can view your photos.

Images are scaled to the phone's display resolution (max. 208 x 160 pixels in full screen mode).

For further information about viewing pictures, see p. 56:

Default image name

Options ► **Settings** ► **Default image name**

You can set a standard name for taken pictures to which a consecutive number is added for each new snapshot. The default name is "**Image**".

Rename the images later in the **Images** application if you would like to.

Images

⑪ ► Camera ► Images

You can view, organize and send pictures or animations stored in your phone.

This includes pictures

- made by the Camera application,
- received in your inbox via multimedia/picture message, as an e-mail attachment or via infrared or Bluetooth connection. In these cases you must save the picture after receiving it,
- animated pictures in JPG/GIF format.

View images

Select the required image in the image list by moving the joystick up and down.

Open an image by pressing the joystick.

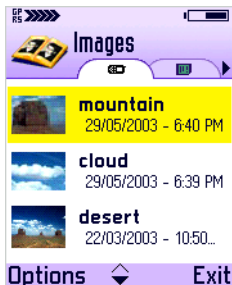In the Images main view, you can see a list of pictures and folders with

- the date and time of shot or storage,
- a thumbnail picture as preview,

• the number of images inside a folder.

View the other images in the list by moving the joystick left/right when an image is open.

Receive images

Images can be received via multimedia/picture message, as an e-mail attachment or via infrared or Bluetooth connection.

When saved, they are stored in the phone memory and appear in the **Images** list.

Send images

Options ➤ **Send**

Send the selected image with one of the following messaging services:

Via multimedia, p. 37

Via e-mail, p. 38

Via Bluetooth, p. 88

Via infrared, p. 91

Rotate

Options ➤ **Rotate** ➤ **Left/Right**

Rotates the image 90 degrees to the left or to the right.

To save last view:

> Press **Back** and confirm with **Yes.**

Zoom

Options ➤ **Zoom in/Zoom out**

When an image is displayed, you can zoom in up to 800 percent.

> Press **Back**, to return to normal size.

The zoom factor is not stored permanently.

Full screen

Options ➤ **Full screen**

The whole display is used to show the image.

Press the joystick to return to normal view.

Focus

When an image is zoomed or shown in full screen mode, you can move the focus with the joystick to left/right and up/down.

Press the joystick to return to normal view.

Black & white

Options ➤ **Black & white**

Displays the opened image only in black and white to use it for picture messages (p. 59).

Edit with Image fun

Options ➤ **Image fun**

Opens the Image fun application with additional functions for editing the image. For further information about **Image fun** see:

www.my-siemens.com/sx1

Delete images

Options ➤ **Delete**

Delete the selected image(s).

Wallpaper

Options ➤ **Wallpaper**

Set the current image as background image for the idle state.

Rename images

Options ➤ **Rename**

Give the selected image a new name.

View details

Options ➤ **View details**

Shows detailed information about the current image.

Images list options

Open, Send, Delete, Move to folder, New folder, Mark/Unmark, Rename, Receive via infrared, View details, Add to Favorites, Exit.

Most relevant function:

Receive via infrared

Only from a digital camera that supports the IrTran-P protocol, otherwise use the infrared application, p. 91.

Note

To enlarge the phones memory use the optional MultiMediaCard (p. 70).

Viewing the memory consumption, see p. 96.

Camera

Shortcuts

Use these shortcuts for work with images:

2	7	Rotate left/right 90 degrees
3	8	Scroll left and right
9	0	Scroll up and down
4	5	Zoom in and out
	*	Toggle between full screen and normal view.

Picture messages

The stored black & white pictures are displayed in grid form. They are sorted in the order of time when received, then alphabetically.

Select the required image in the image list by moving the joystick up/down and left/right.

Open an image by pressing the joystick.

View the other images in the list by moving the joystick left/right when an image is open.

Picture message folder

Pictures which are sent to you in a picture message are stored in the folder **Picture msgs.**.

To save a received image go to

<img> **Messages**

open the message, then

Options > **Save**

See also Smart messages (p. 40).

Send picture messages

To send a picture message, select the required image and open it:

🡒   Press and enter the recipient's number, or use the addresses.

🡒   Press again.

Music

Radio

   $\boxed{\textcircled{\scriptsize v}}$ ➤ **Music** ➤ **Radio**

You can listen to the radio and store the frequencies of your favorite stations. For FM radio you will need the headset which also works as an antenna. When the radio is first switched on, you have to search and store your favorite stations.

Quick start with Auto Scan

Options ➤ **Auto scan**

The entire band will be searched automatically and the 6 strongest stations will stored on the shortcut keys.

   $\boxed{\circ}$ Press **Back** to leave **Auto scan**.

How to play a station
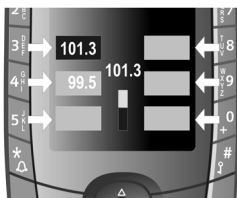
Use the number keys 3, 4, 5 and 8, 9, 0 as shortcuts to your favorites.

How to search for a station

Step by step

Press the joystick up/down and the next station will be found.

Manual tuning

Options ➤ **Manual tuning**

Move the joystick up/down to search the band by steps of 100 kHz

or

   $\boxed{\circ}$ press **Edit** to enter a frequency directly, and confirm with **OK**.

How to store a station

When a frequency is shown in the middle of the display, store it by:

Long press on the required shortcut key (3, 4, 5, 8, 9, 0).

or

Options ➤ **Store**

Use joystick to select the required shortcut key then press the joystick.

Settings

Signal threshold: High, Medium, Low

FM mode: Stereo, Mono

FM radio options

Store, Auto scan, Manual tuning, Edit name, Delete, Settings, Exit.

Most relevant functions:

Edit name

Enter a name instead of the station's frequency.

Delete Delete a stored station from the current active shortcut key.

Use also ⌫.

Composer

🎹

$\boxed{\text{回}}$ ➤ **Music** ➤ **Composer**

Create your own individual ring tones.

Compose a new melody

Options ➤ **New tone**

Use the keys to add notes as shown in the table below:

Key	Note	Key	Function
1	c	8	Decrease length of note/rest.
2	d	9	Increase length of note/rest.
3	e	0	Insert a rest.
4	f	*	Shows a list of notes and rests
5	g	#	Set selected notes/rests one octave higher.
6	a	⌫	Delete selected note(s).
7	b		
0 to 7			A long press produces a lengthened note or rest or shortens a lengthened note.

The default duration for a note is 1/4.

Edit a melody

You can edit a composed melody in a simple way using only the joystick.

Moving left/right with the joystick to select a note. Every note you pass will be played.

A selected note can be changed by a half step by moving the joystick up/down.

Press the joystick to listen to the whole melody.

　⬚　Press **Back** to save the melody.

Options ▶ **Tempo**

Adjust the tempo from 50 beats/minute to 250 beats/minute by moving the joystick left/right.

Options ▶ **Style**

Toggle between **Natural** (short/sharp) and **Legato** (smooth).

Note

To mark multiple notes/rests, press and hold ABC and move the joystick left/right.

Edit options

Play, Insert symbol, Style, Tempo, Volume, Exit.

Composer options

New tone, Open, Delete, Mark/Unmark, Mark all/Unmark all, Rename, Duplicate, Exit.

Calendar

<img> ► **Organizer** ► **Calendar**

You can enter appointments, meetings and other tasks in the Calendar. Additionally you can set an alarm for every entry.

Calendar offers a

- **Month view**,
- **Week view**,
- **Day view**.

Time and date must be set for the Calendar to work properly (p. 82).

Creating an entry

Options ► **New entry**

The following types of entry are offered:

Meeting Appointment with specific date and time.

Memo General entry for the day.

Anniversary

Reminder of special dates like birthdays. These entries are repeated every year.

Fill in the following fields (depending on the selected type):

Subject, Subject, Occasion

Description of the event.

Location Meeting place.

Start time, **End time** and **Start date**, **End date**

Type in time and date, switch between AM and PM by pressing any key.

Alarm When switched on, the fields **Alarm time** and **Alarm date** appear. Key in time/ date if required.

Repeat Select the required period for repetition:

Not repeated, Daily, Weekly, Every 2 weeks, Monthly, Yearly

Repeat until

Limit the repetition period for the set alarm.

Synchronization

It is possible to synchronize your Calendar with your PC.

Private The entry can only be seen by you.

Public The entry can seen by others who have access to your on-line Calendar, e.g. at your work computer.

None No synchronization occurs.

Calendar views

Icons used in day and week view:

	Meeting
	Memo
	Anniversary

Day view

The entries of the current day are displayed in chronological order. Memos and Anniversaries are placed at the top of the list.

To display/edit an entry, select it and press the joystick.

To see the next/previous day move the joystick to the right/left.

Week view

The days of the week are displayed in seven columns. Today's date is underlined. Memos and Anniversaries are placed before 8 o'clock. Meetings are displayed with colored bars indicating the duration.

For the day view of an entry, select a colored cell and press the joystick. Then open the entry as in day view.

Month view

The weeks of the month are displayed in a row. Today's date is underlined. Dates with entries are

marked with a small triangle. The currently selected date is marked by a frame.

For the day view of an entry, select the date and press the joystick.

Calendar options

Depends on the current situation.

Open, New entry, Week view, Month view, Delete entry, Go to date, Send, Settings, Exit.

Most relevant functions:

Go to date

> To go to a specific date, key in the date and press **OK**.

Delete entry

> Choose between: **Before date**, **All entries**

Send   You can send a selected entry from day view in vCalendar format:

Via SMS, p. 36

Via e-mail, p. 38

Via Bluetooth, p. 88

Via infrared, p. 91

Calendar setup

Options ➤ **Settings**

Default view

The view which is shown when the Calendar is opened. Choose from:

Month view

Week view

Day view

Week starts on

Select starting day of the week view.

Week view title

Choose from:

Week number

Week dates

Tasks

🗓 ➤ **Organizer** ➤ **Tasks**

Keep a list of things you have to do.

New note

To write a new note:

Options ➤ **New task note**

or

press any key **1** to **0**. The editor opens with the letter you have keyed in.

Fill in the following fields:

Subject

Description of the task you want to do.

Due date

Set the due date for the task.

Priority

Choose from:

Low, Normal, High

⚪   Press **Done,** to save the task.

Priority icons		Status icons	
!	High.	☑	Task done.
-	Low.	☐	Task to do.
(None)	Normal.		

Task options

Open, New task note, Delete, Mark as done, Exit.

Organizer

Notes

> **Organizer** > **Notes**

Use Notes to write short memos and send them to other devices.

Received text files in TXT format can be saved to Notes.

Write a note

Press any key to start writing.

Press **Done** to save the note.

Notes options

Open, Send (Text message, MMS, E-mail, Via multimedia, Via Bluetooth), New note, Delete, Next note, Add to Favorites, Exit.

Voice memo

- Use your phone as a dictating machine when on the move.
- Record a memo as a reminder or as a reminder for yourself or others.
- Record a call – useful for remembering numbers or addresses (both parties will hear a beep every 5 seconds).

Note

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

Please inform the other party to the conversation in advance if you want to record the conversation and please keep such recordings confidential.

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

New recording

Options > **Record sound clip**

Press **Select** to start recording.

Use the following keys to control recording:

●	**Record**
❚❚	**Pause**
■	**Stop**
▶▶	**Fast forward**
◀◀	**Fast rewind**
▶	**Play**

Record options

Open, Record sound clip, Delete, Move to phone mem, Move to mem. card, Mark/ Unmark, Mark all/Unmark all, Rename sound clip, Send (MMS, E-mail, Via infrared, Via Bluetooth), Add to Favorites, Settings, Exit.

Organizer 67

Calculator

回 ➤ **Organizer** ➤ **Calculator**

鬥   Enter number
(up to 8 digits).

Select a calculator
function: **+**, **-**, **x**, **÷**

鬥   Enter a second number
(up to 8 digits).

Select **=** and press joystick
to display the result

or

Repeat procedure with
other numbers.

Note	
#	Set decimal point.
*	Scroll through basic functions.
c	Short press: Clear wrong number. Long press: Clear result of previous calculation.
±	Toggle between "+" and "-".
MS	Save the number displayed to memory.
MR	Retrieve the number saved.
<>	View previous calculations and move in the sheet.

Calculator options

Last result, **Memory (Save/Recall)**, **Clear screen**, **Exit.**

Converter

回 ➤ **Organizer** ➤ **Converter**

You can convert some units of
measure from one type to another.
The following types are available:

Type	Units
Velocity	**Knots, Kilometers/h, Meters/sec, Miles/hour, Feet/second**
Energy	**Calories, Kilocalories, Joules, Kilojoules, Hp-hours, Kilowatt-hrs, Electronvolts**
Mass	**Ounces, Pounds, Stones (UK), Milligrams, Grams, Kilograms, Metric tons**
Pressure	**Pascals, mm Hg, Atmospheres, Bars**
Time	**Seconds, Minutes, Hours, Days, Weeks**
Volume	**Pints (UK), Fluid oz (UK), Gallons (UK), Gallons (US), Liq. pt (US), Dry pt (US), Liq. oz (US), Gallons (US), Barrels, Milliliters, Liters, Cubic mm, Cubic cm, Cubic meters, Cubic inches, Cubic feet**
Area	**Square in, Square feet, Square yd, Square miles, Square mm, Square cm, Square m, Square km, Acres, Ares, Hectares**

Organizer

Length	Millimeters, Centimeters, Meters, Kilometers, Inches, Feet, Yards, Miles, Naut. miles
Power	Horsepower, Watts, Kilowatts
Temperature	Fahrenheit, Kelvin, Celsius
Currency	See note below.

Currency settings

First you have to choose a base currency and add exchange rates.

Select the type **Currency**, then

Options ➤ **Currency rates**

Select your required base currency from the list, then

Options ➤ **Set as base curr.**

Note

When you change the base currency, all previously set rates will be cleared.

The rate of the base currency is always 1.

Once the base rate is set, add all the exchange rates you need:

Scroll to the currency, key in the current exchange rate to your base currency. Proceed until all required currencies are added.

Convert

Select the required type of measure in the **Type** field or press the joystick to see the available types of measure.

Select the unit from which you want to convert in the **Unit** field or press the joystick to see the available units.

In the **Amount** field, key in the amount you want to convert. Select the unit you want to convert to in the second **Unit** field or press the joystick to see the available units.

The other **Amount** field automatically shows the result of the conversion.

Note

#	Set decimal point.
*	Toggle between + and - and E (exponent).

Converter options

Select unit, Change currency, Conversion type, Currency rates, Exit.

Extras

File Manager

<img> **Extras** <img> **File Manager**

Use the phone's file manager like a PC file manager to organize your internal (phone memory) and external (MultiMediaCard, optional) storage.

On the MultiMediaCard you can store files such as images, messages, sounds and Java™ applications.

The file manager main view opens and folders and files are listed.

File and folder handling

You can **Move**, **Copy**, **Delete** a single or several marked files.

The following functions are only available when **no** file or folder is marked:

Open a file with the corresponding application to see its **Properties**, or to **Rename** it.

File and folder options

Open, Move, Copy, Delete, Properties, Rename, Exit.

Folder navigation

To navigate between the folder levels, move the joystick left/right.

Search modes

There are three search modes available.

<img> Enter one character (invisible) and the selection will be positioned at the first matching entry.

Options <img> **Search** <img> **Goto**

Enter a search string and the matching list will be shown.

Options <img> **Search** <img> **Filter**

Enter a search string and a list of all matching entries will be shown.

Sort modes

Set sort criteria:

Ascending, Decending, Sort by name, Sort by date, Sort by type, Sort by size.

Send

The phone offers several methods of sending files via different transmission routes. Only available when a file is selected. For further information see the respective application:

Via multimedia, p. 37

Via e-mail, p. 38

Via Bluetooth, p. 88

Via infrared, p. 91

Memory functions

Manage your memory card and view relevant details.

Memory card name

Define a name for the multimedia card.

Format memory card

It is necessary to format your multimedia card before first use.

Set password

Use a password to protect access to a special multimedia card. After the password is set, the multimedia card is locked. Not supported by all multimedia cards.

Remove password

Remove password protection from multimedia card.

Unlock memory card

You must enter the correct password to unlock the MultiMediaCard.

Memory state

Display details for the multimedia card and internal phone memory, e.g. the name, the total capacity, free and used memory and whether it is password protected.

General File manager options

New folder, **File**, **Search**, **Mark/Unmark**, **Send**, **Sort by/order**, **Memory functions**, **Exit**.

Insert MultiMediaCard (optional)

To enlarge the phones memory you may use an optional MultiMediaCard. To insert it into the phone:

• Open the battery lid on the backside of the phone (p. 14) to unlock the MultiMediaCard lid.

• Push onto MultiMediaCard lid to open it ❶.
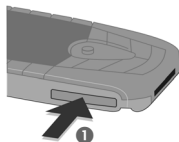
• Put MultiMediaCard into the slot. The contacts on the MultiMediaCard must show down and to the slot. Make sure the angled corner is in the correct position ❷.
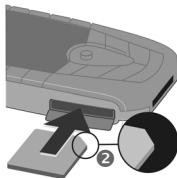
• Close MultiMediaCard lid until it engages.

Note

MultiMediaCard must be removed only when the phone is switched off, because otherwise the contents can be destroyed.

Java applications

Install

In the **Java applications** move the joystick to the right for the Download view.

You can get installation files via

- Bluetooth, Infrared from a computer or phone
- multimedia message or as an e-mail attachment
- download during a WAP session.

Select the required installation file:

Options ► **Install**

Alternatively, look at possible applications e.g. Inbox for an installation file, select it and press the joystick to start installation.

Yes   Press to confirm.

A list appears, in which you can select the root or any existing folder as destination for the new application.

During installation, the phone checks the integrity of the software package to be installed. Information about the checks are displayed, with the option to cancel the installation.

The phone informs you when the installation is finished. After that the destination folder will be opened and the installed application will be highlighted.

Note

Do not install software from sources without adequate protection against viruses and other harmful software.

The phone only supports J2ME™ Java applications. Do not download Personal Java™ applications as they cannot be installed.

You can download and install an application immediately during a WAP session. Note that the WAP connection is left running in the background during installation.

You can only install files with the extension *.JAD or *.JAR.

Glossary

JAR file (Java archive): This file includes the executable application. When a JAR file is selected, the application is started.

JAD file (Java descriptor): These files contain information on the application (JAR file) and their address for downloading. When a JAD file is selected, the connection to the Internet is established and the executable application is loaded.

Installation options

Install, View details, Delete, Settings, Exit.

Note

To enlarge the phones memory use the optional MultiMediaCard (p. 70).

View the memory consumption, see p. 96

Uninstall

In the **Java applications** select the required application:

Options ▶ **Delete**

Open a Java™ application

Select the required application and press the joystick.

Java™ application options

View details

To get information about an application, select it:

Options ▶ **View details**

You will see:

Status	**Installed**, **Running** or **Downloaded** (only in Download view).
Version	Application version number.
Supplier	Supplier or manufacturer of the application.
Size	The size in kilobytes.
Type	Brief description of the application.
URL	Address of an information/help page on the Internet.
Data	Size of application data, e.g. high scores, in kilobytes.

Settings

Define a default access point for downloading missing application components. For how to create an access point, see p. 80.

Assign an access point to an application, select the application, then:

Options ▶ **Settings**
▶ **Default access point**

Select an access point to be used by the application for downloading additional data (p. 80).

Options ▶ **Settings**
▶ **Network connection**

Some Java™ applications may require a data connection to be made to a defined access point. You will be asked for an access point if none has been selected. The options are:

Allowed	A connection is established without notification.
Ask first	You will be asked before the application creates a connection.
Not allowed	No connection is allowed.

Further options

Only available, when the JAD file contains an URL address.

Go to URL address

A data connection will be established to get additional information about the application.

Update

A data connection will be established to check if there is an update available.

> **Download Java™ applications via WAP**
> 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 and liability claims in respect of or in connection with any applications subsequently installed by the customer and any software not included in the original delivery package. This also applies to functions enabled subsequently at the customer's prompting. 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 are 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.

Alarm clock

🔟 ► **Extras** ► **Alarm clock**

Clock settings

Options ► **Settings**
See **Settings/Date and time**, p. 82.

Alarm setting

Use this function to set a single time for the alarm. The alarm sounds even when the phone is switched off.

Options ► **Set alarm**
Key in the alarm time.

Turn off the alarm

| 🔘 | Press **Stop** to turn off the alarm. |
| 🔲 | Press **Snooze** or any key to interrupt the alarm for 10 minutes. You can repeat this up to 5 times. |

Note

The phone switches on automatically when the alarm time is reached. After you have pressed **Stop**, you can continue working with the phone by pressing **Yes**.

Clock options

Set alarm, Reset alarm, Remove alarm, Settings, Exit.

Favorites

Use Favorites to store frequently used functions, photos, notes, sound files, video clips, WAP bookmarks or saved WAP pages.

In Favorites there are three default shortcuts (not changeable):

Notes, Calendar, Inbox

To open Favorites:

○ **Extras** ► **Favorites**

Add shortcuts

Specific applications offer this function.

Select the application and press the joystick to open it.

Options ► **Add to Favorites**

○ Press **OK**.

Note

A shortcut in **Favorites** is automatically updated if you move the item it is pointing to, e.g. from one folder to another.

Favorites Options

Open, Edit shortcut name, Shortcut icon, Delete shortcut, Move, List view/Grid view, Exit

Most relevant functions:

Open

The selected file is opened in the corresponding application.

Edit shortcut name

Change name of the shortcut. This does not affect the file it is referring to.

Shortcut icon

Select an individual icon for a shortcut (not available for default shortcuts).

SIM phonebook

See **Contacts**, p. 27.

SIM fixed dial

Phone numbers can be stored in protected locations on a special SIM card. A PIN 2 is needed for editing.

Service numbers

Phone numbers that you are offered by your service provider may be stored in the SIM card/Contacts. You can call local or nationwide information services or use services of the service provider.

SIM services ⊲⊟!

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

If you have such a SIM card the SIM services will appear at the top of the main menu or directly above the control key (on the left).

Symbol of the SIM services:

If there is more than one application they are displayed in the SIM services menu.

⌨ ➤ **Extras** ➤ **SIM services**

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

PC connection

USB port

The USB port can be used for normal data transfer.

⟜⟞   Indication on the display when connected.

See also accessory **Data Cable USB DCA-540** (p. 104).

Siemens Data Suite

On the delivered CD ROM you will find the software package **Siemens Data Suite**.

This can be used to transfer data from your phone to another compatible device e.g. a phone or a PC, and synchronize your Organizer via Data Cable USB, Bluetooth or infrared.

Profiles

General

If a profile is used, several settings are made with **one** function, in order to adapt the phone to the noises of the environment, for example.

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

> Normal
> Silent
> Meeting
> Outdoor
> Pager
> Customize

Select

回 ➤ **Profiles**

Select default or personal profile.

Options ➤ Select

The default mode used is pre-selected when the phone is switched on.

Overview

Default settings:

	Normal	Silent	Meeting
Ringing options	Ringing	Silent	Beep once
Ringing volume	7	1	1
Vibrating alert	Off	Off	Off
Keypad tones	2	Off	Off
Warning tones	On	Off	Off

	Outdoor	Pager
Ringing options	Ringing	Silent
Ringing volume	10	7
Vibrating alert	On	On
Keypad tones	3	2
Warning tones	On	On

Setup

Edit a default profile or create a new personal profile:

 ➤ **Profiles**

Select default profile or personal profile.

Options ➤ **Change**

Select the item you want to change and press the joystick to open/change it:

Ringing tone

Select a tone from the list.

"Ringing tone, line 1"
"Ringing tone, line 2"

Only available if **Line in use** (p. 79) is active.

Ringing options

Ringing, Ascending, Ring once, Beep once, Silent.

Ringing volume

Set the volume level.

Message alert tone

Select a tone from the list.

Vibrating alert

On/Off

Keypad tones

Set the volume level.

Warning tones

On/Off

Alert for

All calls or for specified groups.

Profile name

Give the profile an individual name. Not available for **Normal** mode.

Phone

⏎ ➤ **Setup** ➤ **Settings**
➤ **Phone** ➤ Select a function:

General

Phone language

Set the language of the display text. When **Automatic** is set, the language of your service provider is used.

Writing language

The selected language affects:

- characters, when writing text
- dictionary used
- special character table (⎵ or ⎵)

T9 input

Not available for all languages. See "Writing text", p. 24.

Welcome note or logo

The following is displayed when you switch the phone on:

Default

Default image/animation.

Text

Write a note (max. 50 letters).

Image

Select an individual photo from the list.

Orig. phone settings

(Security code protected)

The phone is reset to the default values (factory setting). This does not apply to SIM card and system setup. All private documents and data remain unaffected.

Standby mode

Wallpaper

Select your individual background photo for standby mode from **Images**.

Left softkey/Right softkey

Change the function for each key. Select a new one from the list.

Display

Contrast

Make contrast lighter/darker.

Color palette

Choose between **Blue Sky**, **Beach** and **City**.

Call

〰 ➤ **Setup** ➤ **Settings**
➤ **Call** ➤ Select a function:

Send my caller ID

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

Call waiting

During a call, you may be advised that there is another call waiting. You will hear a special tone during the call. If you are registered for this service, you can check whether it is set and you can activate/deactivate it.

Automatic redial

If busy, the number is automatically dialed up to 10 times. End with:

✆ End key.

Summary after call

Shows duration and costs of last calls (needs activation of **Call cost limit**, p. 35).

Shortcut

Switch function on/off (p. 97).

Anykey answer

You can press any key to accept an incoming call.

Line in use

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

Select the phone line you want for daily use. Calls can be answered regardless of the selected line.

⓪ **Short** press to change left softkey. Press softkey to switch between the lines in standby mode.

Connection

You need access points to access the Internet for example to

- send/receive e-mails (p. 38)
- send/receive multimedia messages (p. 37)
- use WAP applications (p. 51)
- activate modem operation

To connect to an access point, a data connection is needed. There may be access points predefined by your provider. Otherwise your provider will provide you with further information on this.

⊡ **Setup** ➤ **Settings** ➤ **Connection**
 ➤ Select a function:

Access points

A list of default or defined access points may be shown. Select an access point from the list or define a new one.

Note

You may receive the settings in a smart message. If you save them, the received settings are automatically used as **Preferred connection**, see **Messages**, p. 45.

New access point

Options ➤ **New access point**

Use default settings

If you want to use default entries.

Use existing settings

If you want to change an existing entry to create a new access point, select it from the list.

There are three types of connection available:

GSM data call

Data transmission rate up to 14.4 kbps.

To configure this access point:
- **Connection name**: your choice
- **Data bearer**: **GSM data**
- **Access point name**: from provider
- **User name**: from provider if required
- **Prompt password**: choose **Yes** if you want to enter it at every logon
- **Password**: from provider if required
- **Authentication**: normal/Secure
- **Gateway IP address**: from provider
- **Homepage**: address of WAP service or multimedia messaging center
- **Session mode**: e.g. Permanent
- **Connection security**: from provider
- **Data call type**: analog, ISDN v.110, ISDN v. 120
- **Maximum data speed**: automatic, 9600, 14400,19200,28800

GPRS connection

(**G**eneral **P**acket **R**adio **S**ervice)

With packet data technology which connects only to send/receive data in packets.

To configure this access point:
- **Connection name**: your choice
- **Data bearer**: **GPRS**
- **Access point name**: from provider
- **User name**: from provider
- **Prompt password**: choose **Yes** if you want to enter it at every logon
- **Password**: from provider if required
- **Authentication**: from provider
- **Gateway IP address**: from provider

Advanced setup

If editing an access point:

Options ➤ **Advanced settings**

Your provider will provide you with further information on this if necessary.

- **Phone IP address**: from provider
- **Primary name server**: from provider
- **Second. name server**: from provider
- **Use callback**: data phone number
- **Callback type**: from provider
- **Callback number**: from provider
- **Use PPP compression**: from provider
- **Use login script**: from provider
- **Login script**: insert login script
- **Modem initialization**: using AT modem commands. From provider.

Access point options

Edit, New access point (Use default settings, Use existing settings), Delete, Exit.

📳 ➤ **Setup** ➤ **Settings** ➤ **Connection** ➤ Select a function:

GPRS

The setup data are needed for all access points using GPRS.

GPRS connection
- **When available** Always use GPRS for text/data communication (if the system supports it)
- **When needed** Use only GPRS if an application/action needs it to work

Access point

If you want to use your phone as a modem to your computer, an access point name is needed.

Data call

📳 ➤ **Setup** ➤ **Settings** ➤ **Connection** ➤ **Data call**

The setup data are needed for all access points using a (high speed) data call.

Online time

The data call is switched off after a time-out period.
- **User defined**: Key in a period in minutes for time-out
- **Unlimited**: No time-out

Setup

Date and time settings

> **Setup** > **Settings**
> **Date and time settings**
> Select a function:

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

Time

📱	Enter the time. Setting of the time format:
HH	Hours (2-digit)
MM	Minutes (2-digit)

Date

📱	Enter the date. Setting of the date format:
DD	Day (2-digit)
MM	Month (2-digit)
YYYY	Year (4-digit)

Date format

Select from:
mm dd yyyy
dd mm yyyy
yyyy mm dd

Date separator

Select from:

.	:	/	-

Time format

am/pm or **24-hour**.

Time separator

Select from:

.	:

Clock type

Analog or **Digital**.

Auto time update

The phone gets the current time, date and time zone via the system.

Security

$\overline{w}$ **Setup** **Settings**
Security
Select a function:

Phone and SIM

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

PIN code request, **PIN code**, **PIN2 code** and **Security code** see p. 19.

Autolock period

If set, the phone locks after a time-out you can define. Key in a number for minutes. To unlock you must enter the security code.

Lock if SIM changed

(Security code protected)

Your phone is prevented from being used with a **different** SIM card.

SIM fixed dial

(PIN 2 protected)

Dialing is restricted to the numbers on the SIM card, new entries are not possible. If only area codes are entered, the relevant phone numbers can be added to these manually before dialing.

Closed user group

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

Confirm SIM services

The phone can be set to display confirmations when using a SIM card service.

Certificate management

There is a list of authorized certificates stored in your phone. These are used for verifying the origin of WAP pages and installed software.

You need a certificate, for example

• to work with an online bank or another server to transfer confidential information,

• to protect against viruses.

Note that a certificate is not a protection in itself. It needs to be checked for authenticity and trustworthiness.

Certificate details:

Certificates have a restricted life span. To be sure that the identity of a WAP gateway or a server is correct, check the signature and the certificate. You will be informed on the phone's display if something is wrong. One of the following advisors may appear:

Expired certificate, Certificate not valid yet, Certificate corrupted.

Trust settings

First select a certificate. A list of applications which can use this certificate is shown. Before changing anything make sure that you can trust the owner of this certificate and that it belongs to the owner on the list.

Certification Mgmt. Options

Certificate details:, Delete, Trust settings, Mark/Unmark, Mark all/Unmark all, Exit.

Call restriction

Restriction limits the use of your SIM card (not supported by all service providers). You need a 4-digit password which your service provider will give you. You may need to be registered separately for each restriction.

Outgoing calls

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

International calls

Only national calls can be made.

International calls except to home ctry.

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

Incoming calls

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

Incoming calls if roaming

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

Check status

The following information can be displayed after a status check:

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

Cancel all restrict.

All restrictions are cleared. A password which the service provider will give you is needed for this function.

System

§ > Setup > Settings > System

System selection

If **Automatic** is selected, the phone searches for and selects the next available system.

If **Manual** is selected, a system can be selected manually from the list of available GSM systems.

Cell info display

When on, the phone indicates that it is used in a Micro Cellular Network (MCN) and receives cell information.

Accessory settings

Headset

ᐋ Indication on the display when connected.

Default profile

You can choose one of the standard profiles.

Automatic answer

Factory default: **Off**

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

Automatic settings:

• Accept call with the call key or PTT key when the key lock is activated.

• Activate voice dialing with the PTT key.

Car Kit

Indication on the display when connected:

ᐋ Car Kit Basic.

🚗 Car Kit Portable/Comfort.

Additionally charging indications will be shown, when connected.

Default profile

You can choose one of the standard profiles (p. 76).

Automatic answer

Factory default: **On**

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

Automatic settings:

• Vibrating is switched off.

• Manual keylock is switched off. See 🔒 key on (p. 13).

• AutoKeylock is switched off. To unlock you must enter the security code (p. 83).

• Autophone off. The phone is switched off after 2 hours without ignition.

Call forwarding

You can set the conditions for which calls are forwarded to your mailbox or other numbers. For details contact your service provider.

You can set forwarding as follows:

The most common condition for call forwarding is: **If not answered**

<img> **Setup** ➤ **Call forwarding**

If not answered
> Select.

Activate Select, then choose:

To voice mailbox
> to forward to your voice mailbox number (p. 93)

or

To other number
> Enter another number to which calls should be forwarded.

Select the delay time after which a call should be forwarded.

> [key] Press **OK**. After a short pause, the setting is confirmed by the system.

Forwarding conditions

The following conditions for call forwarding are available:

If not answered, All voice calls, If busy, If not answered, All voice calls, If not available, All fax calls, All data calls.

Check status

Options ➤ **Check status**
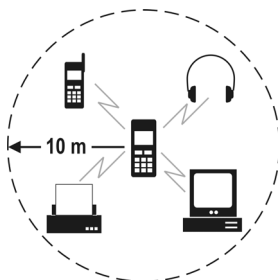Check whether forwarding is activated or not.

Cancel forwarding

Options ➤ **Cancel all forwards**
All set forwardings are cleared.

Bluetooth™

Bluetooth is a short-range radio system. 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 name. This is how it is guaranteed that the intended communication partners can connect. 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 no longer necessary for future connections.

Note

The use of Bluetooth devices is forbidden in some countries. Check with the relevant authorities.

First Use

When you use this application for the first time, you may assign a Bluetooth name to it.

🖐️   Use the default name or write a new one (max. 30 letters.

⬜   Press **OK**.

Settings

🖎 ► **Setup** ► **Bluetooth**

Bluetooth

On/Off   You must activate Bluetooth in order to establish a Bluetooth connection between your mobile phone and other Bluetooth devices.

My phone's visibility

All   If set, the phone can be located by other Bluetooth devices whenever you switch your phone on.

Hidden   If activated, your own phone cannot be located by other Bluetooth devices.

My Bluetooth name

Assign a (Bluetooth) name to your phone. This name can be seen by other Bluetooth devices within the possible range.

Note

When searching for other Bluetooth devices, you may see only their unique Bluetooth addresses (if no name was given). To see your unique address, enter in standby mode: *#2820#

Sending via Bluetooth™

To send an item via Bluetooth, you must first select it in its application. Then:

Options ► **Send** ► **Via Bluetooth**

Your phone starts to search for other Bluetooth devices. All found partners are shown on the display with a device icon, their Bluetooth name and the device type. Trusted partners are indicated by an icon 🔒.

Note

An existing list of devices may appear, if you have already searched for other devices. In this case select **More devices**.

Icons for devices are:

🖥	Computer
📱	Phone
🚗	Car Kit
🎧	headset
⚙	Other
❓	Unknown
Stop	Press to interrupt search and work with devices already found.

Select the partner you want to connect with.

📞　　Press **Select**. The item you want to send is copied to the Outbox.

　　　Connecting is shown.

📱　　If "Pairing" is required by the other device, you must enter a password. Create your own password for this (1-16 chars, numeric) and give it to the partner, for its unique use. Subsequently this device is trusted.

　　　Now the connection should be established.

　　　Sending data shown.

　　　After the message has been sent, the Bluetooth connection will be ended automatically.

Note

If sending fails, the message will be deleted from the **Outbox**.

Data received via Bluetooth are stored in the **Inbox**, p. 39.

Status icons:

ⓑ	Bluetooth active.
ⓒ	Connection is active.

Paired devices view

囟 ► **Setup** ► **Bluetooth**

Communication with paired devices is more convenient and quicker.

Pairing with a device

Move the joystick to the right to view the paired device list.

Options ► **New paired device**

Your phone starts to search for other Bluetooth devices, or a list of devices appears if you have already searched for other devices.

Select the partner you want to connect with.

  ◻   Press **Select**.

  📱   Enter password (see "Sending via Bluetooth" above). The device is added to the paired device list.

Assign short name

Options ► **Assign short name**

Define a short name or alias for better recognition of certain devices after searching. These names are only visible to you and not to other Bluetooth users.

Set as authorized

Options ► **Set as authorized**

Paired devices can be set as authorized to allow them a connection to your device without your knowledge. This status is useful for your own devices, such as your computer for example. Authorized devices are indicated by ![icon].

Paired devices options

New paired device, Assign short name, Delete, Delete all, Set as authorized/Set as unauthorized, Exit.

Receive via Bluetooth™

Bluetooth must be activated. When you receive a message via Bluetooth, you will be asked for acceptance after a tone.

![icon] is shown if accepted and the item is stored in the **Inbox**, p. 39. Unread Bluetooth messages are indicated by ![icon].

After the message has been received, the Bluetooth connection is ended automatically.

IrDA

ū̄ ▶ **Setup** ▶ **Via multimedia**

Your phone has an infrared interface. You can use this to exchange data (e.g. address entries, business card, notes) with other devices that are also equipped with an infrared interface.

The infrared interface is on the left side of the phone. The infrared ports of the sending and receiving devices must be pointing at each other and the distance between them must not exceed 30 cm.

To send an item via Infrared, you must first select it in its application. Then:

Options ▶ **Send** ▶ **Via multimedia**

Items received via infrared are stored in the **Inbox**, p. 39.

Note

Status icons:

🔹◀ Received Items in the **Inbox**.

🔲 Connection is active.

Modem

ū̄ ▶ **Setup** ▶ **Modem**

To use your phone as a fax modem, you first have to establish a connection to an other device via Infrared or Bluetooth.

Connecting via Infrared

To activate the connection via Infrared:

Options ▶ **Connect**

To disconnect an established connection:

⊙ Press **Disconn.**

Connecting via Bluetooth

The connection must initiated by the remote device side.

The control of the connection happens via the Bluetooth application (p. 88).

Audio

ᵇ ▶ **Setup** ▶ **Audio**

Edit the current profile (see also p. 76).

Ringing tone

Select a tone from the list.

> **Note**
>
> **"Ringing tone, line 1"**
> **"Ringing tone, line 2"**
> Only available if **Line in use** (p. 79) is active.

Ringing options

Ringing, Ascending, Ring once, Beep once, Silent.

Ringing volume

Set the volume level.

Message alert tone

Select a tone from the list.

Vibrating alert

On/Off

Keypad tones

Set the volume level.

Warning tones

On/Off

Alert for

All calls or for specified groups.

Screen saver

ᵇ ▶ **Setup** ▶ **Screen saver**

The screen saver will be activated after a specific (free adjustable) time out. Any user action or phone event will deactivate the screen saver.

30/05/2003 1:51 AM
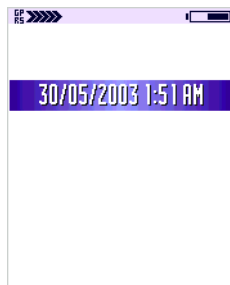
Screen saver time-out

Set the time after which the screen saver should become active. The range is from one minute to 30 minutes in steps of one minute.

Screen saver

Choose between:

Date and time

The actual date and time is shown. For adjusting see p. 82.

Text

Enter a desired text up to 15 characters.

Animation

• **Default animation**

Not changeable.

• **Own animation**

Select the required picture or animated GIF file from the folder **Images** (p. 56).

Screensaver preview

A preview of the current setting is shown.

Voice mailbox

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

- if your phone is switched off or not ready to receive,
- if you do not want to answer,
- if you are making a phone call (and if **Call waiting** is not activated, p. 79).

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

Listen to

A new voice mail can be displayed as follows:

To call your mailbox (in standby mode):

1 press, then
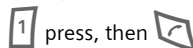
If you asked for the voice mailbox number:

        Key in the number.

        Press **OK**.

or

store the mailbox number for future use, see as follows.

Setup

Mailbox number

Call this phone number to listen to the voice mails left for you. To set it up:

🔲▶ **Setup** ▶ **Voice m.**

📱   Enter the phone number you will call to listen to your voice mails.

Forwarding number

Calls are forwarded to this phone number.

ß5   Indication on the display

To set it up:

🔲▶ **Setup** ▶ **Call forwarding**

    Select a forwarding option, for example: **If busy**, to forward calls when your number is busy.

Options ▶ **Activate**

Voice mailbox

    Select **To voice mailbox**

⌐○⌐   Press **OK**. Registration at the system will be confirmed after a few seconds.

Other phone number

    Select **To other number**

📱   Key in the phone number you want to forward to.

⌐○⌐   Press **OK**. Registration at the system will be confirmed after a few seconds.

Note	
Find	Press to select the forward number from the Addresses.

Password

Your voice mail will request a password every time you call it. In this case you may want to add it as a touch tone number after the voice mail number.

For example, +55 11223344p1234#

where 1234 is the password and p inserts a pause.

Manager

$\boxed{\textstyle\bigcirc}$ Setup Manager

Install or remove applications and software packages. You can only use Symbian device software installation files with the extension ".SIS" (to install Java™ applications, see p. 71).

When you open Manager, a list is displayed of:

- installation packages that have been saved.
- partially installed application.
- installed applications.

To get information like name, version, type, etc. about an application, select the corresponding list entry:

Options View details

To display the security certificate of a software package:

Options View certificate

Move the joystick to the right to see the Memory view.

Note

Do not install software from sources without adequate protection against viruses and other harmful software.

To help you, the software installation system uses digital signatures and certificates on software packages.

See also **Certificate management**, p. 83

Installing applications

An application you want to install must be suitable for the Symbian operating system. Application packages are normally compressed files which contain several component files.

Note

Before you install an update for an existing application, be sure that you have a backup or the original software package. Otherwise you cannot restore the original application.

Before restoring the original, remove the installed application.

You can get installation packages via

- Bluetooth, Infrared from a computer or phone.
- multimedia message or as an e-mail attachment.
- download during a WAP session.

Select the required installation package:

Options Install

Alternatively, look at possible applications e.g. Inbox for an installation file, select it and press the joystick to start installation.

Note

The phone warns you when installing software without digital signature or certificate. Continue only if you are sure of the origin and the contents of the software package.

During installation, the phone checks the integrity of the application package to be installed. Information about the checks are displayed, with the option to cancel the installation.

Removing applications

Select the application:

Options ➤ **Remove**

Yes Press to confirm.

Note

Before removing software, make sure that
• no other application is dependent on it,
• no documents need it to work with.

Installer options

View details, View certificate, Install, Remove, View log, Send log, Exit.

Most relevant functions:

View log

See what application packages have been installed or removed and when.

Viewing memory consumption

In the Installer main view, move the joystick to the right to see the memory consumption of:

Calendar, Contacts, Documents, Messages, Images, Sound files, Java apps., Mem. in use, Free memory.

If memory is getting low, remove some files or applications.

Setup

Shortcut

$\overline{\boxed{\Box}}$ ► **Setup** ► **Shortcut**

Digit keys 2 to 9 can be used as shortcut numbers. If a phone number is assigned, it will be called, or an application will be started.

Number $\boxed{1}$ is reserved for voice mailbox access.

Assign

Options ► **Assign shortcut:**

A list with available categories is shown. Choose for the required entry:

Phone number

Contacts is opened. Select the required entry. Press the joystick to open the entry and scroll to a number.

⌐○ Press **Select**.

When the shortcut selection is saved, a symbol **X** can be seen next to the number in the contacts entry. If an image is assigned to the phone number, it will be displayed in the grid.

Application

A list of available applications is shown. Select the required entry.

⌐○ Press **Select**.

Apply

$\boxed{2}$ – $\boxed{9}$ Press and hold shortcut number (in standby mode).

or

$\overline{\boxed{\Box}}$ ► **Setup** ► **Shortcut**

Select a shortcut number in the grid by moving the joystick. Start action by pressing on the joystick.

Clear

Select the entry to be removed from the shortcut key.

Options ► **Clear**

Shortcut options

Depends on the current situation.

Assign, Clear, Change, Call, Start, View details, Exit.

Questions & Answers

If you have any questions about using your phone, visit us at
www.my-siemens.com/customercare any time. In addition we have listed some
frequently asked questions and answers below.

Question	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.
	Dead battery.	Charge battery. Check charging indicator in the display.
	Battery contacts dirty.	Clean contacts.
	See also below under: "Charging error"	
Standby time is too short.	Frequent use of the organizer and games.	Restrict use if necessary.
	Display illumination on.	Switch off display illumination.
	Unintentional keystrokes (illumination!).	Activate key lock.
Charging error (charge icon not displayed).	Battery totally discharged.	1) Plug in charger cable. 2) Wait up to 2 hours until the charge icon is displayed. 3) Charge battery as usual.
	Temperature out of range: 41 °F to 104 °F.	Make sure the ambient temperature is right, wait a while, then recharge.
	Contact problem.	Check power supply and connection to the phone. Check battery contacts and device interface, clean them if necessary, then insert battery again.
	No mains voltage.	Use different mains power socket, check mains voltage.
	Wrong charger.	Only use original Siemens accessories (p. 14).
	Battery faulty.	Replace battery (p. 104).
SIM error.	SIM card not correctly inserted.	Make sure that the SIM card is correctly inserted (p. 14).
	SIM card contacts dirty.	Clean the SIM card with a dry cloth.
	SIM card with wrong voltage.	Use 3 V SIM cards only.
	SIM card damaged (e.g. broken).	Inspect the damage. Return the SIM card to service provider.

Questions & Answers

Question	Possible causes	Possible solution
No connection to system.	Signal weak.	Move higher, to a window or open space.
	Outside GSM range.	Check service provider coverage map.
	SIM card not valid.	Contact the service provider.
	System restriction is set.	Check restrictions (p. 84).
	System overloaded.	Try again later.
Phone loses system.	Signal too weak.	Reconnection to another service provider is automatic. Switching the phone off and on may speed this up.
Calls not possible.	2nd line set.	Set line 1 (p. 79).
	New SIM card inserted.	Check for new restrictions.
	Charge limit reached.	Reset limit with PIN 2 (p. 35).
	Credit used up.	Load credit (p. 35).
Certain uses of the phone not possible.	Call restrictions are set.	Restrictions may be set by your service provider. Check restrictions (p. 84).
Voice mail does not work.	Call forwarding to the mailbox not set.	Set call forwarding to the mailbox (p. 93).
Memory low.	Phone memory full.	Delete stored messages, images or applications.
MultiMediaCard error.	Card inserted in wrong position.	Insert in right direction (p. 70).
Function cannot be set.	Not supported by service provider or registration required.	Contact your service provider.
Snapshot pictures in bad quality.	camera lens polluted	Clean camera lens with a smooth rag.

Questions & Answers

Question	Possible causes	Possible solution
Message cannot be sent.	Some service providers do not support this service.	Check with your service provider.
	Phone number of the service center is not set or is wrong.	Set message center (p. 44).
	SIM card contract does not support this service.	Contact your service provider.
	Service center overloaded.	Repeat message.
	No selection from addresses possible.	Entry has no phone number (p. 28).
	Addressee does not have a compatible phone.	Check, if the receiver has a compatible phone.
Messages cannot be received	Phone memory full.	Delete stored messages or images.
	Wrong settings.	Check settings for specific message type.
No Internet access possible.	Wrong WAP profile set or settings wrong, incomplete.	Check settings (p. 51), if necessary consult your service provider.
PIN error/ PIN2 error.	Three wrong entries.	Enter the PUK (MASTER PIN) provided with the SIM card according to the instructions. If the PUK (MASTER PIN) has been lost, contact your service provider.
Phone code error.	Three wrong entries.	Contact Siemens Service (p. 101).
Service provider code error.	No authorization for this service.	Contact your service provider.
No fax possible.	Incorrect settings in the PC.	Check settings.
	No authorization for this service.	Contact your service provider.
Charge counter does not work.	Charge pulse not transmitted.	Contact your service provider.
Damage		
Severe shock.	Remove battery and SIM and insert them again. Do not dismantle phone!	
Phone became wet.	Remove battery and SIM card. Dry immediately with cloth, do not heat. Dry connector contacts thoroughly. Stand unit upright in an air current. Do not dismantle phone!	

Reset settings to the factory default: * # 7780 #. Enter security code, see p. 19.

SX1 K1 am-en, A31008-H6500-A5-1-7619 (29. July 2003, 19:33)

Simple, straightforward support for technical and operational queries is available from our online support service on the Internet: **www.my-siemens.com/customercare** or in the chapter "Questions & Answers" (p. 98). When calling customer service, please have ready your receipt and the phone identity number (IMEI, to display press **∗ # 0 6 #**), the software version (to display, press **∗ # 0 6 #**, then **info**) and if available, your Siemens Service customer number. In some countries repair and replace services are impossible where the products are not sold through our authorized dealers.

Abu Dhabi 0 26 42 38 00	Luxembourg 43 84 33 99
Argentina 0 80 08 88 98 78	Macedonia 02 13 14 84
Australia..13 00 66 53 66	Malaysia....................................+ 6 03 77 12 43 04
Austria...05 17 07 50 04	Malta ....+ 35 32 14 94 06 32
Bahrain...40 42 34	Mauritius 2 11 62 13
Bangladesh......................................0 17 52 74 47	Mexico 01 80 07 11 00 03
Belgium 0 78 15 22 21	Morocco 22 66 92 09
Bolivia 0 21 21 41 14	Netherlands 0 90 03 33 31 00
Bosnia Herzegovina.......................0 33 27 66 49	New Zealand 08 00 27 43 63
Brazil...0 80 07 07 12 48	Nigeria 0 14 50 05 00
Brunei 02 43 08 01	Norway...22 70 84 00
Bulgaria..02 73 94 88	Oman 79 10 12
Cambodia 12 80 05 00	Pakistan 02 15 66 22 00
Canada 1 88 87 77 02 11	Paraguay 8 00 10 20 04
China 0 21 50 31 81 49	Philippines 0 27 57 11 18
Croatia 0 16 10 53 81	Poland...08 01 30 00 30
Czech Republic..............................02 33 03 27 27	Portugal 8 820 20 15 21
Denmark 35 25 86 00	Qatar...04 32 20 10
Dubai 0 43 96 64 33	Romania 02 12 04 60 00
Egypt...0 23 33 41 11	Russia.......................................8 80 02 00 10 10
Estonia...06 30 47 97	Saudi Arabia 0 22 26 00 43
Finland...09 22 94 37 00	Serbia 01 13 22 84 85
France...01 56 38 42 00	Singapore 62 27 11 18
Germany 0 18 05 33 32 26	Slovak Republic 02 59 68 22 66
Greece 0 80 11 11 11 16	Slovenia 0 14 74 63 36
Hong Kong 28 61 11 18	South Africa 08 60 10 11 57
Hungary 06 14 71 24 44	Spain....................................9 02 11 50 61
Iceland..5 11 30 00	Sweden 0 87 50 99 11
India ....22 24 98 70 00 Extn: 70 40	Switzerland 08 48 21 20 00
Indonesia 0 21 46 82 60 81	Taiwan 02 23 96 10 06
Ireland...18 50 77 72 77	Thailand 0 22 68 11 18
Italy 02 66 76 44 00	Tunisia 71 86 19 02
Ivory Coast.......................................05 02 02 59	Turkey 0 21 65 79 71 00
Jordan...0 64 39 86 42	Ukraine 8 80 05 01 00 00
Kenya...2 72 37 17	United Arab Emirates......................0 43 31 95 78
Kuwait...2 45 41 78	United Kingdom 0 87 05 33 44 11
Latvia 7 50 11 18	USA 1 88 87 77 02 11
Lebanon..01 44 30 43	Vietnam...45 63 22 44
Libya 02 13 50 28 82	Zimbabwe 04 36 94 24
Lithuania 8 52 74 20 10	

Care and maintenance

Your phone has been designed and crafted with great care and attention and should also be treated with care. The suggestions below will help you to enjoy your phone for many years.

• Protect your phone from moisture and humidity! Precipitation, humidity and liquids contain minerals that will corrode electronic circuits. Nevertheless, should your phone become wet, disconnect it immediately from the power supply and remove the battery!

• Do not use or store the phone in dusty, dirty areas. Its moving parts may become damaged.

• Do not store your phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries and warp or melt certain plastics.

• Do not store your phone in cold areas. When the phone warms up again (to its normal ambient temperature), moisture can form inside the phone, which may damage electronic circuit boards.

• Do not drop, knock or shake your phone. Rough handling can damage internal circuit boards!

• Do not use abrasive chemicals, cleaning solvents, or strong detergents to clean the phone!

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

Declaration of conformity

Siemens Information and Communication mobile hereby declares that the phone described in this user guide is in compliance with the essential requirements and other relevant provisions of European Directive 1999/5/EC (R&TTE).

The declaration of conformity (DoC) concerned has been signed. Please call the company hotline if you require a copy of the original.

CE 0168

Technical data

GSM class:	4 (33 dBm - 900 MHz), 1 (30 dBm - 1,800 MHz), 1 (30 dBm - 1,900 MHz)
BlueTooth class:	2 (1 mW)
Frequency range:	880 - 960 MHz, 1,710 - 1,880 MHz, 1,850 - 1,990 MHz 2,400 - 2,483.5 MHz
Weight:	116g/4.09 oz.
Size:	109x56x19 mm (110 ccm)
Li-Ion battery:	1000 mAh
Operating temperature:	14 °F to 131 °F
SIM card:	3.0 V

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.

104 **Accessories**

Basics

Li-Ion Battery 1000mAh EBA-540

Travel Charger

ETC-520 (US)

Travel charger with an extended input voltage range of 90-264V.

Headset PTT HHS-510 (Mono)

leave HHS-550 in

Headset PTT HHS-550 (Stereo)

Like Headset (Mono), but also has stereo functionality for music.

Headset PTT Bluetooth™

HHB-545

Convenient and smart headset without the trouble of cables. Can be used on any phone that supports the Bluetooth Headset profile.

Belt Case FCT-510

Stylish protection for your mobile phone.

Data

Data Cable USB DCA-540

To connect the phone to the USB port of the PC.

Car Solutions

Car Charger ECC-500

Charger for the cigarette lighter socket in the car. It supports either 12 or 24 volts DC.

Portable Car Kit HKP-500

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

Mobile Holder Antenna HMH-530

To be used in combination with a Portable Car Kit and as an upgrade to the Car Kit Plus.

Basic Car Pack HKB-500

Allows handsfree talking and simultaneously charges the mobile phone in the car. Features a Car Charger, a Headset PTT and a Y-Adapter.

Car Kit Plus HKC-541

Handsfree kit with first-class digital call quality and utmost ease of use. Requires the Mobile Holder Antenna HMH-530:

SIEMENS	Original Siemens Accessories
Original Accessories	**www.siemens.com/ mobilestore**

U.S. FDA

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 know – 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.

U.S. FDA

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

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

For the past five years in the United States, the mobile phone industry has supported research into the safety of mobile phones. This research has resulted in two findings in particular that merit additional study:

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

When 20 types of glioma were considered separately, however, an association was found between mobile phone use and one rare type of glioma, neuroepithelliomatous 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

U.S. FDA

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 partic-ular is expected to lead to FDA providing research recommendations and scientific oversight of new CTIA-funded research based on such recommendations.

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

• Two groups of 18 people were exposed to simulated mobile phone signals under laboratory conditions while they performed cognitive function tests. There were no changes in the subjects' ability to recall words, numbers, or pictures, or in their spatial memory, but they were able to make choices more quickly in one visual test when they were exposed to simulated mobile phone signals. This was the only change noted among more than 20 variables compared.[3]

• In a study of 209 brain tumor cases and 425 matched controls, there was no increased risk of brain tumors associated with mobile phone use. When tumors did exist in certain locations, however, they were more likely to be on the side of the head where the mobile phone was used. Because this occurred in only a small number of cases, the increased likelihood was too small to be statistically significant.[4]

In summary, we do not have enough information at this point to assure the public that there are, or are not, any low incident health problems associated with use of mobile phones. FDA continues to work with all parties, including other federal agencies and industry, to assure that research is undertaken to provide the necessary answers to the outstanding questions about the safety of mobile phones.

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

Some people who have used mobile phones have been diagnosed with brain cancer. But it is important to understand that this type of cancer also occurs among people who have not used mobile phones. In fact, brain cancer occurs in the U.S. population at a rate of about 6 new cases per 100,000 people each year. At that rate, assuming 80 million users of mobile phones (a number increasing at a rate of about 1 million per month), about 4800 cases of brain cancer would be expected each year among those 80 million people, whether or not they used their phones. Thus it is not possible to tell whether any individual's cancer arose because of the phone, or whether it would have happened anyway. A key question is whether the risk of getting a particular form of cancer is greater among people who use mobile phones than among the rest of the population. One way to answer that question is to compare the usage of mobile phones among people with brain cancer with the use of mobile phones among appropriately matched people without brain cancer. This is called a case-control study. The current case-control study of brain cancers by the National Cancer Institute, as well as the follow-up research to be sponsored by industry, will begin to generate this type of information.

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

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

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

U.S. FDA

- 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.

FCC/Industry Canada Notice **111**

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.

Ten Driving Safety Tips

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

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

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

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

When available, use a hands-free device.

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

Position your phone within easy reach.

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

Suspend conversations during hazardous driving conditions or situations.

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

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

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

Ten Driving Safety Tips

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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Intellectual Property Restrictions

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Battery quality statement

Battery quality statement

The capacity of your cell 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 cell 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 cell phone. After six months, if the battery is clearly suffering from loss of performance, we recommend that you replace it. Please buy only Siemens original batteries.

Display quality statement

Discolored white or black dots may appear on the display. This is a design-related feature of the screen. Standard ISO 13406-2:2001 regulates how many defective pixels or subpixels are acceptable. Siemens has complied with this standard and satisfies the following requirements:

– maximum number of defective white pixels: 2

– maximum number of defective black pixels: 2

– maximum total number of defective pixels: 5

In addition, there may be no more than 4 defective bright pixels in a diameter of 10 mm.

If the screen on your phone does not satisfy these requirements, please contact Siemens Service, p. 101.

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