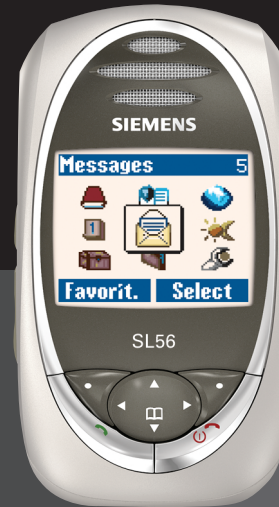


# SIEMENS



Be inspired™

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# SL56

User Guide  
Guide De L'Utilisateur  
Guía Para El Usuario

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This is a short version of the User Guide.  
Please find the full version on the CD-ROM.

**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. 51).



Turn off mobile phone while aboard any aircraft. To prevent accidental activation, see (p. 51).



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. Small parts could be swallowed by 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 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 unit, and are strictly prohibited.



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



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 carry accessory that contains no metal and that positions the handset atleast 0.001 cm from the body. Use of other carry accessories may not ensure compliance with FCC RF exposure guidelines.



Only 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!

## Important

Read this information before using your wireless handheld phone.

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

## Antenna care

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

## Phone operation

### Normal position

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

### Tips on efficient operation

For your phone to operate most efficiently:

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

## Driving

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

- Give full attention to driving – driving safely is your first responsibility;
- Use hands-free operation, if available;
- Pull off the road and park before making or answering a call, if driving conditions so require.
- Review the Ten Driving Safety Tips set forth on p. 74.

## For vehicles equipped with Air Bags

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

## Electronic devices

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

## Pacemakers

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

## Persons with pacemakers:

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

## Hearing Aids

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

## Other Medical Devices

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

Turn your phone OFF in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

## Vehicles

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

## Posted Facilities

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

## Airplanes

FCC and Airline Regulations prohibit using your phone while in the air. Turn your phone OFF 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-

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.

## RF EXPOSURE /SPECIFIC ABSORPTION RATE (SAR) INFORMATION

THIS SIEMENS SL56 PHONE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO ELECTROMAGNETIC FIELDS.

Your cell phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy established by the Federal Communications Commission (FCC) of the U.S. Government and by Health Canada. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines were developed and confirmed by independent scientific organizations through periodic and thorough evaluation of scientific studies\*. The standards 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 tested for use at the ear is

1.13 W/kg\*\*\*

and when worn on the body<sup>†</sup> is

1.11 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](http://www.phonefacts.net) or the Canadian Wireless Telecommunications Association (CWTA) website [www.cwta.ca](http://www.cwta.ca).

SAR information on this Siemens SL56 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-SL56**.

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 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.
- \* 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](http://www.who.int/peh-emf),  
[www.mmfa.org](http://www.mmfa.org),  
[www.my-siemens.com](http://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](http://www.my-siemens.com)

① **Loudspeaker**

② **Display icons**

Signal strength/GPRS available/battery level.

③ **Control key**

See next page.

④ **Input keys**

Numbers, letters

⑤ **Microphone**

⑥ **Integrated antenna**

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

⑦ **Dictation key**

(in standby mode):

Hold **down**: record.

Press **briefly**: play back.

⑧ **Plus/minus side key**

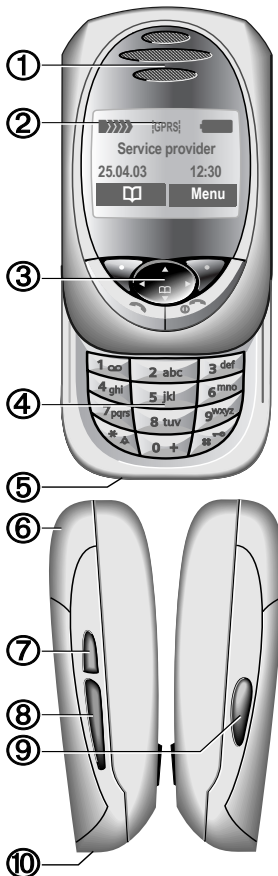
- During a call: volume loud-quiet.
- In menus, lists and WAP pages: scroll up and down.
- In standby mode:  
Press side key at top **briefly**: show profile selection. Hold **down** key at bottom: start voice control.

⑨ **Infrared interface**


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

⑩ **Device interface**

Connection for charger, headset etc.



## ① Soft keys


The current functions of these keys are shown in the bottom line of the display as **text** or symbols (e.g. .

## ② Control key

In the main menu:

 Navigation.

In lists and menus:

 Scroll up/down.


 Select function.


 Menu level back.


During a call:

 Open call menu.

In standby mode:

 Voice control (hold down).

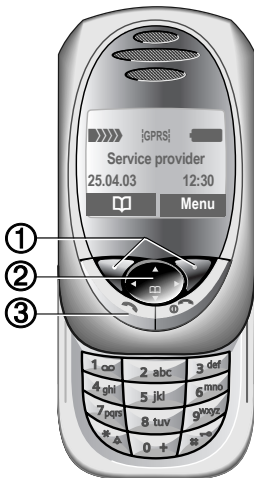
 Open Addressbook/Phonebook.

 Open menu.

 GPRS info.

## ③ Call key

Dial phone number/name displayed, take calls. Shows last 10 phone numbers dialed in standby mode.



## ① On/Off/End key

- Switched off: hold **down** to switch on.
- During a conversation or in an application (except for Surf & Fun): press **briefly** to finish.
- In menus: press **briefly** to go back a level. Hold **down** to go back to standby mode.
- In standby mode: if the keylock is disabled, hold **down** to switch off the phone if the keypad is closed.
- Keylock in standby mode, keypad closed: press **briefly** to lock keypad. Press **briefly** and confirm with **OK** to unlock the keypad.

## ② Hold down

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

## ③ Hold down

- In standby mode: lock or unlock keypad.



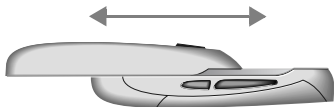
### Note

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

**Remove this film before getting started.**

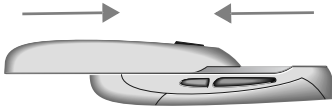
## Open keypad:

- Light on.
- Keypad unlocked.
- Opening melody on (if set).
- The call is accepted.
- Alarm sound off (appointment, alarm).



## Close keypad:

- Back to standby mode.
- Light off.
- Keypad locked (if set).
- Closing melody on (if set).
- The call is ended.
- The call is rejected.
- Alarm sound off (appointment, alarm).



## Display symbols

	Signal strength.
	Charging.
	Battery charging status.
	Standard directory (Phonebook or Addressbook).
	Call lists.
	Surf & Fun.
	Organizer.
	Messages.
	Profiles.
	Extras.
	File system.
	Settings.
	All calls are diverted.
	Ringer off.
	Short ring (beep) only.
	Ringer only if caller is stored in Phonebook or is a member of a group.
	Alarm set.
	Alarm clock activated.
	Key lock activated.
Phone numbers/names:	
	On the SIM card.
	On the SIM card (PIN 2 protected).
	In the phone memory.

	No network access.
	Function activated/deactivated.
	Phonebook/Addressbook.
	Indicates whether upper or lower-case letters are active.
	Text input with T9.
	IrDA activated.
	IrDA during transmission.
	Activated and available.
	Registered.
	GPRS download.
	WAP online.
	WAP via GPRS online.
	WAP no network.
	Headset mode.
	Auto answer feature on.
<b>Organizer/Extras symbols</b>	
	Memo.
	Call.
	Appointment.
	Dictating mach./Voice memory.
	Birthday.
	Alarm clock/stopwatch.

## Soft keys



Message received.



Voice mail received.



Data received.



Picture received.



Melody received.



Unanswered call.



Store in Phonebook/  
Addressbook.



Retrieve from Phonebook/  
Addressbook.

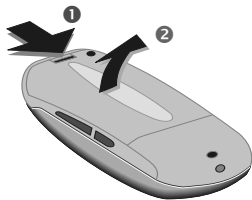


Change Phonebook/  
Addressbook.

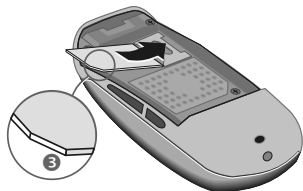
## Insert SIM card/battery

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.

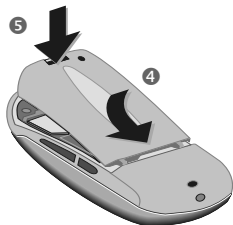
- Press the lock **1**, then remove the battery upwards in the direction of the arrow **2**.



- Insert the SIM card in the opening with the contact area **facing downwards** and push gently until it engages below the holder (make sure the angled corner is in the correct position **3**).



- Insert the battery in the lower edge **4**, then press downwards **5** until it engages.



## Remove SIM card

- Remove the battery. First push the SIM card **6** gently through the slot for the holder and at the same time lift it up slightly **7** on the opposite side. Then remove the SIM card completely.



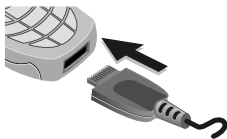
### Additional information

Always switch off your phone before removing the battery!

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

## Charge battery

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



### Display when charging is in progress



During charging.

### Charging time

An empty battery is fully charged after about 2 hours. Charging is only possible within the temperature range 41 °F to 104 °F. At 41 °F above or below, the charge icon blinks as a warning. 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. The battery level is only shown correctly during an unbroken charging/discharging cycle. You should therefore **not remove the battery unnecessarily** and where possible **not finish the loading process early**.

### Additional information

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

### Performance

A full battery will provide 60 to 200 hours of standby time or 100 to 210 minutes of talk time.

## Activate/deactivate



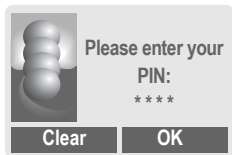
Hold **down** On/Off/End key to switch on or off.

## Enter PIN

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



Open keypad. Enter the PIN using the number keys. The characters \*\*\*\* are shown, to ensure that nobody can read your PIN on the display. Correct errors with **Clear**.



**OK**

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

## Switching on your phone for the first time

### Contrast



Set display contrast.

### Time/Date

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

**Yes**

Press.



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

**OK**

Press. The time and date are updated.

### Time Zones

Set the time zone for your area.



Select the required time zone from list ...

**Set**

... press to set.

#### Additional information

Change PIN .....	p. 21
Change standard index .....	p. 30
Other network .....	p. 49
Clear SIM card barring .....	p. 22

#### Additional information


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

Additional clock settings ..... p. 46

## Phonebook or Addressbook

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

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

To copy data on the SIM card at a later time, highlight entries (p. 29) and copy these with the function "Copy Into  (Phonebook options menu).

You can change the standard phonebook at any time (p. 30).

## Signal strength.



Strong receive signal.



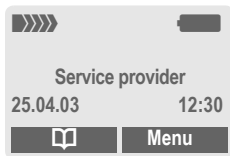
A weak signal reduces the call quality and may lead to loss of the connection. Change your location.

## Emergency number (SOS)

**Only to be used in real emergencies!**

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

## Standby mode



When the name of the service provider appears on the display, the phone is in **standby mode** and **ready for use**. If you now close the keypad, the phone remains in standby mode.

The left soft key may have different functions pre-assigned.



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

## User guide

The following symbols are used to explain operation:



Enter numbers or letters.



On/Off/End key.



Call key.



Press the control key on the side indicated.



Soft keys.

**Menu**

Displays a soft-key function.



Function dependent on service provider, may require special registration.

## Menu controls

In the user guide the operational steps are presented in a **shortened form**, e.g. to display call list for missed calls:

**Menu** → → Missed Calls

This corresponds to:

**Menu**

Open menu.

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



**Call Log** **Select**.

**Select**

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

**Select**

Press the **right** soft key to open the **Missed Calls** list.



Scroll to the required entry.

**View**

Press **left** soft key to display phone number with date/time.

## Security numbers

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.**

**Menu** →  → **Security**  
→ Select function.

### PIN Control

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. Some service providers do not permit deactivating the control.

**Select** Press.



Enter PIN.

**OK** Confirm input.

**Change** Press.

**OK** Confirm.

### Change PIN

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



Enter **current** PIN.



Press.



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



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

### Change PIN2

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

### Chg.Phonecode

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

**Clear SIM card barring**

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

## Dialing with number keys

The phone must be switched on (standby mode) and the keypad must be open.



Dial number (always with area code, if necessary with international dialing code).

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



Press the Call key to dial the number.

## End call



Press End key **briefly**.

Or

Close slider **fully** (this only ends the call when the slider was already **fully** opened).

Always press this key to end the call, even if the person on the other end of the line has hung up first.

## Set volume

Using the plus/minus side key (press top/bottom), adjust the volume (only possible during a call).

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

## Redial previous numbers

To redial numbers that were dialed previously:



Press the Call key once.



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



... to dial.


## If the number is busy

### Automatic redial previous numbers

**Auto Dial** The phone number is automatically dialed ten times at increasing time intervals.

Or

### Call back

**Call back** Your phone rings when the busy number is free. 

### Reminder

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

### International dialing code

In standby mode, to insert international dialing codes from the list:



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



Press, select country.

## Accept call

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


If the keypad is open or closed, press the soft key **Mute** to disable the ringer for the current call.

**Answer** or 

or Open slider **fully**.

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


### Additional information

	Save phone number. ... p. 31, p. 32
	Voice dialing..... p. 33
	Keylock ..... p. 44
	Accept call using any key..... p. 44

### Warning!

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

## Reject call

**Reject** or press  **briefly**.

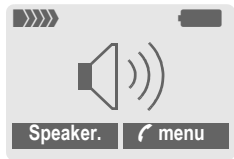
or Close slider **fully** (this only ends the call if the slider was already **fully** open).

## Speakerphone

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

**Speaker.** Activate handsfree talking.

**Yes** Switch on.



Use the plus/minus side key to regulate volume.

**Speaker.** Deactivate.

### Warning!

To avoid damage to hearing **always** deactivate "handsfree talking" before holding the phone to your ear! This will avoid damage to hearing!

## Swap



- You can call another number during a call.

 **menu** Open call menu.

**Hold** Put current call on hold.

Now dial the new phone number. When the new connection is established:


 **menu** Open call menu.

**Swap** Swap back and forth between both calls.

- You may be advised during a call that there is another call waiting by a special "call waiting" tone (p. 45).

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

Or

 **1** End the current call.

**Answer** Accept new call.


- End both calls:

Close slider **fully** (this only ends the call if the slider was already **fully** open).

## Multi Party




- Call up to 5 parties and link them together in a conference call. When a call is established:

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



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

 **menu** Open menu and select **Multi Party**. The held call is joined.

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

## End



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

Or

Close slider **fully**. (this only ends the call if the slider was already **fully** open).

## Enter text without T9

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

2 abc

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

**Hold down** to write the number.

Ä, ä/1-9

Special letters and numbers are displayed after the relevant letters.

Clear

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



Move the cursor (forwards/back).



**Press briefly:** Swap between: abc, Abc, T9abc, T9Abc, T9ABC, 123.

Status shown in top line of display.

**Hold down:** All input modes are displayed.

**Press briefly:** Select special characters.

**Hold down:** Open input menu.



**Press once/repeatedly:**

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

**Hold down:** Write 0.

Writes blank. Press twice = jumps a line.



## Special characters



Press **briefly**. The symbols chart is displayed:

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

1) Line skip



Navigate to character.

Select

Press.

## Input menu

With text input:



**Hold down.** The input menu is displayed:

Text Format (SMS only)

Input language

Mark Text

Copy

## Text input with T9

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

### Activate, deactivate T9

**Options** Open text menu, select **T9 Input**, then select **T9 Preferred**.

**Change** Activate T9.

### Select Input language

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

**Options** Open text menu, select **T9 Input**, then select **Input language**.

**Select** Confirm; the new language is set.

### Write a word using T9

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

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



press briefly for **T9Abc** then type



press. A blank ends a word.

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

#### Additional information



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

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

Go to the right: Ends a word.



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

**Hold down:** All input modes are displayed.



**Press briefly:** Select special characters (p. 26).

**Hold down:** Open input menu (p. 26).

### T9 word suggestions

If several options are found in the dictionary for a key sequence (a word), the most probable is displayed first.

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



again. The displayed word is replaced with a different word. If this is also incorrect, repeat until the correct word is displayed.

To add a word to the dictionary:

**Spell** Select.

Now write the word without any T9 support and save it in the dictionary with **Save**.

## Correct a word

Words written **with** T9:



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



Scroll through the T9 word suggestions again.

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

Words **not** written with T9:



Move letter by letter to the left/right.

**Clear** Deletes the letter to the left of the cursor.



Letters are inserted at the cursor position.

## Text Modules

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

### Write text modules

**Menu** →  → Text Modules

**Options** Select **New Entry**.



Write text module.

**Options** Select **Save**.

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

### Use text modules



Write message.

**Options** Open text menu.



Select **Text Modules**.



Select text module from the list.

**Select** Confirm. The text module is displayed.

**Select** Confirm. The text module is inserted in the message to the left of the cursor.

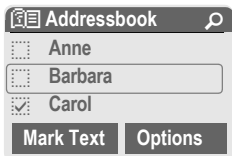
T9® Text Input is licensed under one or more of the following:

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

With some applications (e.g. Addressbook) one or more entries in a list can be highlighted, to carry out a function jointly.

**Options** Open menu.

**Mark Text** Activate highlighting mode.



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

**Mark Text** The current entry is highlighted.

If a **highlighted** entry is selected, the highlighting can be deleted:

**Unmark** Unmark the current entry.

Highlighting function in options menu:

**Options** Open menu.

<b>Mark All</b>	Highlight all entries.
<b>Unmark All</b>	Delete highlighting on all marked entries.

**Menu** →  → Select function.

## Show Entries

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



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



The number is dialed.

## <New Entry>

Create new entry in standard directory.

Phonebook (p. 31)

Addressbook (p. 32)

## Default Book

Select either Phonebook or Addressbook as your standard directory.

Your preference should be for the Addressbook, because more entries and functions (e.g. pictures, birthdays, several phone numbers per entry, etc.) are possible.



Select Phonebook or Addressbook.

**Select**

Set as standard.

## Groups

(p. 34)

## Businesscard

Create your own business card. Send this by SMS or infrared to another GSM phone or to a suitable PC/printer.

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



Move from field to field to put in your details.

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

**Save**

Press.

### Additional information

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



Copy numbers from Addressbook/Phonebook.

**Options**

Addressbook menu.

## Service numbers

Service phone numbers are stored here in accordance with the respective service provider.

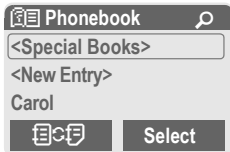
Entries in the Phonebook (on the SIM card) are managed separately from those in the Addressbook.

## <New Entry>

If the Phonebook is set as standard:



Open Phonebook (in standby mode).



Select <New Entry>.

**Select**

Press.



Navigate between and fill out the input fields. The max. number of letters available is shown in the display.

**Number:** Always enter phone number with prefix.

**Name:** Enter first and/or last names.

**Location:** Select the storage location, such as **SIM** or **Protected SIM** (PIN2 required).

**Record no.:** Is automatically assigned to an entry.

**Save** Press to store the new entry.

## Call, search for an entry



Open Phonebook and select name.



Number is dialed.

## Change entry




Select entry in Phonebook.

**Options** Press, select **Edit**. To store your changes **Save**.

### Additional information

**<Special Books>:**  
**<Own numbrs>:** Enter personal phone numbers, **<VIP Numbers>:** Assign important phone numbers to group, **<SIM Phonebook>**, **<Protected SIM>**, **<Service Numb.>**.

 Temporary switch to Addressbook.

**Options** Edit entries, for example exchange data between the Phonebook and the Addressbook.

Text entry .....p. 26

The Addressbook can store up to 500 entries that are managed in the phone memory.

## <New Entry>

If the Addressbook has been selected as standard:



Open Addressbook (in standby mode).

**Select**

Press.



**Group**

Enter first and/or last name.

Organize entries by groups. Select with **Change**.



Make further entries field by field.

Phone:	URL: (Internet address)
Phone/office:	Company:
Phone/mobile:	Street:
Fax:	ZIP code:
Fax 2:	City:
E-mail:	Country:
E-mail 2:	Birthday:

## Picture

**Select**

Assign a picture to an Addressbook entry. It is displayed if you are called by the corresponding phone number.

## All fields

**Select**

Show all input fields if the display was previously reduced (**Options** → **Field Setup**).

**Save**

Save the entry.

## Call, search for an entry



Open Addressbook (in standby mode).



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



The number is dialed.

If several numbers have been saved in an Addressbook entry:



Select phone number.



The number is dialed.

### Right soft key:

When you scroll through an entry, the right soft key will change, depending on the input field:

**VoiceDial** Voice dialing menu (p. 33).

**E-mail** Create e-mail (p. 40).

**Link** Visit URL (p. 41).

**Show** Display respective picture.

## Change/read entry



Open Addressbook  
(in standby mode).



Select required entry.

**View**

Press.



Select input field.

**Edit**

Open entry.



Make changes.

**Save**

Save setting.

## Voice dialing

Dial numbers by voice command. Up to 20 recorded names for voice dialing or voice commands (p. 56) can be saved on the cell phone (not on the SIM card).

### Record



Open Addressbook  
(in standby mode).



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

**Options**

Open menu.

### Voice dialing

Select.



Choose phone numbers,  
if there are more than  
one.

**Record**

Press.


**Start**

Start recording.

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

### Additional information

<Groups> Group functions..... p. 34

 Temporarily switch to Phonebook.

Information on text entry ..... p. 26

**Options** Edit entries, for example to record voice dialing.

**Birthday** After activating the reminder box you can enter the date and the time when you would like a reminder.

## Apply voice dialing

Hold **down** the bottom of the plus/minus side key at the bottom (in standby mode).

Now say the name. The number is dialed.

### Additional information

Noisy environments may affect voice recognition. If attempt was unsuccessful, press the side key once more and repeat the name.

## Groups

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



Open Addressbook (in standby mode).

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



Private Select.

**Options** Open menu.

Rename Group

Select and give group a name.

### Additional information

SMS to group ..... p. 38

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

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

## Group Symbol

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



Select group.

**Options** Open menu.

Group Symbol

Select.



Select a symbol, then confirm with **OK**.

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

**Menu** → 

**Select** Press.



Select call list and press

**Select**.




Select phone number.



Dial phone number.

## Missed Calls

The phone numbers of calls that you have not accepted are stored for call-back purposes if the network supports the "Caller Identity" feature.

 Symbol for a missed call.

## Received Calls

Accepted calls are listed if the network supports the "Caller Identity" feature.

## Dialed Calls

Access to the last numbers dialed.



Fast access in standby mode.

## Clear Log

The contents of all call lists are deleted.

## Call list menu

**Options** Edit entries.

## Durat/Charges

You can display the charges and the duration of calls and set a unit limit for outgoing calls.

**Menu** →  → Durat/Charges

Select a function:

**Last Call, All Calls, Remain. units**


**Select** Display data.

**Reset** Clear display.


**OK** End display.

## Charge settings


**Menu** →  → Durat/Charges  
→ Charge Setting

**Conv.** (PIN 2 prompt). 

Currency for charge display.

**Personal Rate** (PIN 2 prompt). 

Charges per unit/period.

**Acct. Limit** (PIN 2 prompt). 

Fix a credit/usage period on a special SIM card.

## Auto Display

Display duration and charge at end of each call.

## Voice mail/mailbox

**Menu** →  → Msg. Setup  
→ Voice Message

Most service providers supply an external voice mail service. A caller may leave a voice message for you in this mailbox:

- if your phone is switched off or not ready to receive,
- if you do not want to answer,
- or if you are making a phone call.

Some have to register for this service with the service provider and enter the settings manually.

### Settings



The service provider supplies you with two phone numbers:

#### Save mailbox number

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

**Menu** →  → Msg. Setup  
→ Voice Message

Enter mailbox number and confirm with **OK**.

#### Save call divert number

Calls are diverted to this phone number.



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

Dial divert number and register it at the network with **OK**. Divert will be confirmed after a few seconds. Further information on call divert can be found on p. 45.

### Listen to



A new voice mail can be displayed as follows:

An  icon with beep or  a text message announces a new voice mail or you receive a call with an automatic announcement. Call your mailbox and play back the message(s).



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


## Cell Broadcast

**Menu** →  → Setup → CB Services

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



You can use your cell phone to send and receive messages via SMS, MMS and e-mail.

**Menu** →  → Select message type.

## Message lists

All messages are stored in four different lists, with a separate archive also available for SMS:

### Inbox

**Menu** →  → Inbox  
→ Message type.

The list of SMS messages received is displayed.

### Draft

**Menu** →  → Draft  
→ Message type.

The list of stored drafts is displayed.

### Unsent

**Menu** →  → Unsent  
→ Message type.

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

### Sent

**Menu** →  → Sent  
→ Message type.

The list of messages sent is displayed.

**Options** You can use comprehensive function menus to edit the messages.

## Message profiles

**Menu** →  → Msg. Setup  
→ Select message type.

Profiles and e-mail accounts can/must be set up for every message type, in which the transmission characteristics are fixed. You will find extensive information in the user guide on the CD-ROM provided with this handset.

The data for these may already have been entered. If not, your service provider will supply you with the relevant information. See also on the Internet at:

[www.my-siemens.com/sl56](http://www.my-siemens.com/sl56)

The settings for **Voice Message** and **CB Services** are described in a separate chapter (see p. 36).

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

Additionally you can insert pictures and sounds in an SMS.

## Write and send text messages (SMS)

**Menu** →  → New SMS



Write text (information on text input, p. 27).



Press.



Dial number or pick out from the Phonebook/Addressbook

**OK**

Confirm. Send the SMS to the service center for transmission.

## Read SMS



Arrival of new SMS announced on display. Press the left soft key to to enter the New Message menu. Highlight Text Msgs, then hit **Select** to read SMS messages.



Scroll through message line by line.

**Reply**

Functions for a direct reply.

## Archive

**Menu** →  → SMS-Archive

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

## Special functions

**Options** Open options menu:

### SMS to group

Send SMS as a "circular" to a group:

**Send** Select.

**Groups** Press. In the Addressbook that now opens, highlight entries/groups to receive a message.

### Text Modules

#### Text Modules

Use text blocks (p. 27).

The **Multimedia Messaging Service** enables you to send texts, pictures (even photos) and sounds in a combined message to another cell phone or to an e-mail address.

Depending on the setting you will either receive the complete MMS or only a notification with sender details and size. The actual MMS can then be downloaded manually later.

**Pictures** and **graphics** can be created using optional accessories, such as digital cameras (JPEG, WBMP or GIF format).

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

## Write/send MMS messages



**Menu** →  → **New MMS**

An MMS consists of the address header and the content.

**Create MMS**

Select.

### Input fields

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

**Subject:** Enter heading.

**Picture:** **Insert** The picture list is opened for selection.

**Text:** **Edit** Write text with the help of T9.

**Tones/Alerts:**

**Insert** The music list is opened for selection.

**Slide duration**

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

**Attach extra pages**

**Options** Open menu.

**New Slide** Select.

**Attach business card/appointment**

**Options** Open menu.

**Extras** Select.



Scroll to **Businesscard** or **Appointment**.



Attach business card or appointment.

## Receive/read MMS



Display indicates a new MMS. Depending on profile setting (p. 37):

- Receive complete MMS.
- Open the notification. Press **Receiving** to receive the complete MMS. MMS is presented automatically with **Play**. Cancel using any key. Functions for editing MMS can be found under **Options**.

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

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

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

## Write/send e-mails

**Menu** →  → New E-mail

### Enter e-mail address



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

Attach.: Copy from file system and attach.



Press **briefly** to write special characters such as @ (p. 26).



**Subject:** Enter heading.



**Content:** Enter text (see also p. 27).

**Options**

Open menu.

**Send**

Send e-mail.

## Add attachments

A file from the file system (e.g. ring tone) can be inserted into an e-mail as an attachment.

**Attach.**

Open file system.



Select file to be inserted.

**Mark**

Highlight file.

**OK**

Copy file as an attachment.

## Receive e-mail

**Menu**

→  → Inbox  
→ Receive E-mail

Before an e-mail can be read, it must be retrieved from the server. The service provider is dialed with the default access profile and all e-mails are transmitted to the inbox list (p. 37).

## Read e-mail

**Menu**

→  → Inbox → E-mail



Select e-mail.


**View**

The e-mail is displayed.

The left soft key offers different functions depending on which text area you have selected:



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

 Dial phone number or start new e-mail.

**Save**

Save attachment.

**Reply**

Reply to sender.

**Link**

Start WAP browser and visit URL (p. 41).

## Internet browser (WAP)

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

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

### Internet access



**Menu** →  → Internet

The browser is activated as soon as you call up the function. The functions of the soft keys vary, depending on the internet page, for example "link" or "menu". The contents of the option menus are also variable.

If necessary set how the Internet access should be made. To activate:



Open browser menu, then select **Setup/Start with...**

## End connection



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

### Note

The maximum file size when downloading images and tones over the browser is 16 KB.

## WAP profiles

**Menu** →  → Internet → Profiles

Preparation of the phone for WAP Internet access depends on your service provider. If the settings have already been made by the service provider, select/activate the profile. If the access profile has to be set manually, contact your service provider for details, if necessary.

### Activate WAP profile

You can change the active profile each time before you access the Internet (if the profile has been set already).



Select profile, then **Select**.

### Set WAP profile

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



Select profile, then **Edit**. Now fill in the data fields.

To select the connection profile, see **Data Services** p. 47.

### Instructions on the display



Open the browser menu.



Offline.



Online.



GPRS online.



No network.



To select special characters, such as @, ~, \, see p. 26.

## Games & More

Download games and other applications. Once you have selected a game or application you can start to download it immediately. Then you can use the application. Most applications include instructions.

Applications and games can be found at: [wap.my-siemens.com](http://wap.my-siemens.com) or on the Internet under: [www.my-siemens.com/city](http://www.my-siemens.com/city)

### Games and applications

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

**Menu** →  → Games & More

Different functions are available depending on the entry:

#### ★ Carry out game/application offline

**Select** Loadable application can be started immediately.

#### ★ Load game/application online

**Select** Only description file; application must be downloaded first.

#### Load link (optional)

**Select** The selected Internet page is loaded.

## HTTP profiles

**Menu** →  → Games & More

**Options** Open menu.

### HTTP Profile

Select.

Preparation of the phone for WAP Internet access depends on your service provider. If the settings have already been made by the service provider, select/activate the profile. If the access profile has to be set manually, contact your service provider for details, if necessary.

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 cell phone. Siemens excludes all warranty and liability claims in respect of or in connection with any applications subsequently installed by the customer and any software not included in the original delivery package. This also applies to functions enabled subsequently at the customer's instigation. The purchaser bears sole risk for the loss of, damage to, and any defects arising in, this device or the applications 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.

### Note


The maximum file size when downloading images is 100 KB and for tones/melodies 52 KB.

## Display

**Menu** →  → **Display**  
→ Select function.

### Language

Set the language of the display text. "Automatic" will set the language of your home service provider. To return to this language in standby mode:

\*#0000# 

### T9 Input

(see also p. 27)

### T9 Preferred

Activate/deactivate intelligent text entry.

### Input language

Select language for text entry.

### Background

Set background graphic for display.

### Logo

Choose picture to be displayed instead of the provider logo.

### Color Scheme

Select color scheme for the whole service system.

## Screensaver

The screensaver shows a picture in the display when a period set by you has elapsed. The function is ended by an incoming call or by pressing any key.

### Start Anim.

Select animation to be shown when phone is switched on.

### Shutdn. Anim.

Select animation to be shown when phone is switched off.

### Own Greeting

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

### Big Letters

You can choose between two font sizes for the display.

### Illumination

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

### Contrast

Set display contrast.

## Tones/Alerts

**Menu** →  → Tones/Alerts  
→ Select function.

### Ringer Setting

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

### Vibrating Alert

Activate/deactivate the silent alert (functions in addition to ringer).

### Volume

Set different volumes for types of call/functions.

#### Warning!

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

### Ringtones

Set different ring tones for types of call/functions.

### Call Screening



Only calls from phone numbers that are in the Phonebook/Addressbook or in a group are signaled audibly or by silent alert. Other calls are merely displayed.

## Key Tones

You can set the acoustic key tone: Click or Tone or Silent

### Minute Beep

During the call, you will hear a beep once a minute as a reminder.


### Info Tones

Set service and alarm tones.

## Keys

**Menu** →  → Keys  
→ Select function.

### Any to Answer

Incoming calls can be accepted by pressing any key (except for ).

### Auto Key Lock

If activated, the keypad is locked automatically if no key has been pressed for one minute in standby mode. This prevents the phone from being used accidentally. However, you can still be called and you can still make an emergency call.

**Menu** →  → Tones/Alerts  
→ Select function.

## ProSlide Lock

Enable/disable automatic keylock when closing keypad. The keypad is always automatically unlocked when the slider is fully opened.

### Additional information

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



Hold **down**.

## Key Tones

See p. 44.

## Phone Setup

**Menu** →  → Phone Setup  
→ Select function.

### Call Waiting

If you are registered for this service, you can check whether it is set and activate/deactivate **Call Waiting**.

### Hide ID

If activated, your phone number will not appear on the other party's display (depending on the service provider).

### Call Forward

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

#### Set up call divert (example):

##### Unanswered



Select **Unanswered** (includes the conditions **Not reachable**, **No reply**, **Busy**).

##### Select

Press and select **Set**. Enter the phone number to which the call will be diverted.

##### OK

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

**All Calls**

Divert all calls. Symbol in the top line of the display in standby mode.

Other possibilities for divert:

Not reachable, No reply, Busy, Receiving Fax, Fax calls, Receiving Data

**Status Check**

After a short pause the current information is shown.



Condition is set, not set.



Status unknown.

**Clear All**

All set diversions are cleared.

**Menu** →  → Phone Setup  
→ Select function.

**Fact. Settings**

Reset phone to default values (factory setting).

**File Manager**

Format the file system (**Format**) and delete or defragment **all** stored data (**Clean Up**).

**Phone Identity**

Display the phone identity number (IMEI) and software version.

**Auto Off**

The phone switches off each day at the set time.

**Clock**

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

**Time/Date**

**Edit** First enter the date, then the time.

**Additional information**

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

**Time Zones**

Set the time zone for your area.

**Date Format**

DD.MM.YYYY or MM/DD/YYYY

**Time Format**

Format 24h or Format 12h.

**Show Clock**

Activate/deactivate time display.

## Connectivity

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

### GPRS



**Yes / No** Activate/deactivate GPRS.

### Data Counter

Display information on the connectivity status.

### IrDA

**Change** Activate/deactivate IrDA.

The distance between the two devices must not exceed 30 cm.

### Data Services

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

If necessary enter **CSD settings** and **GPRS settings** (your service provider will supply you with information on this):

**Options** Open, select **Change Sett.** → **Edit**, enter data.

**Save** Save settings.

## HTTP Profile

Preparation of the phone depends on current service provider:

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

If necessary, check with your service provider for details.

## Fax/Data Mod.

### Rec Fax/Data



The call will be signaled by a special ring tone (fax or data). Now start the communication program in your PC to receive the fax/data.

### Send Voice/Fx




To switch from voice mode to fax mode, set the function on the phone **before** transmission.

### Voice/Fax Rec

After the start of the PC communication program, activate the function **during** a call.

### End transmission

End transmission with PC software and/or press .

## Authentication

### Edit

Activate encrypted WAP dial-up.

## Security

**Menu** →  → Security  
→ Select function.

### Codes

(See p. 21)

### Only

Restrict calls to SIM-protected numbers in the Phonebook.

### This SIM Only

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

### Barrings

The network barring restricts the use of your SIM card.

**All outgoing:** Outgoing calls except emergency number 911 are barred.

**Outgo internat:** Only national calls can be made.

**Out.int.x home:** International calls are not permitted.

**All incoming:** The phone is barred for all incoming calls.

**When roaming:** You will not receive calls when outside your home network.

**Status Check:** Status check for network barring

**Clear All:** Clear all barrings.

## Network

**Menu** →  → Network  
→ Select function.

### Line

**Two independent** phone numbers must be registered.

### Network Info

The list of GSM networks currently available is displayed.

### Choose Network

Network search is restarted.

### Auto Network

If activated, the next network is dialed in the order of your "preferred networks".

**Menu** →  → **Network**  
→ Select function.

## **Pref. Network**

Set the service providers you prefer when you leave your home network.

## **Band selection**

Select either GSM 900, GSM 1800 or GSM 1900.

## **Fast Search**

Network reconnection is speeded up.

## **User Group**

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

## **Accessories**

**Menu** →  → **Accessories**  
→ Select function.

### **Car Kit**

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

### **Auto Answer**

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

### **Auto Off**

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

### **Headset**

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

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

### **Auto Answer**

Calls are accepted automatically after a few seconds.

#### **Auto answer**

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

### **Car Loudspk.**

Select a different audio setting if necessary for your Car Kit.

## ProSlide

Menu →  → ProSlide  
→ Select function.

### Volume

Adjust the volume of the music which is played when opening and closing the slider.

### Open. Melody

Adjust the music to be played when opening the keypad.

### Closing Melody

Adjust the music to be played when opening the keypad.

### ProSlide Lock

Enable/disable automatic keylock when closing keypad. The keypad is always automatically unlocked when the slider is fully opened.

#### Note

The slider should always be **fully** opened or closed, in order to ensure that related functions are given.

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

- Five standard profiles are provided with default settings. They can be changed however: **Normal Env.**, **Quiet Env.**, **Noisy Env.**, **Car Kit**, **Headset**
- You can set two personal profiles (<No Title>).
- The special profile **Aircraft Mode** cannot be changed.

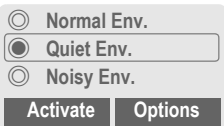
## Activate



Select default profile or personal profile.



Activate profile.



## Setup



Select profile.



Open menu and select **Change Sett.**. The list of available functions is displayed.

## Car Kit

If an original Siemens Car Kit is used (p. 49) the profile is activated automatically as soon as the phone is inserted into the cradle.

## Headset

If an original Siemens headset is used (p. 49) the profile is activated automatically as soon as the headset is in operation.

## Aircraft Mode

All alarms (appointments, alarm clock) are deactivated. This profile **cannot be modified**. The phone will switch off if you select this profile.

## Activate



Scroll to **Aircraft Mode**.



Activate profile. A security prompt must be confirmed. The phone switches itself off automatically.

## Normal operation

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

**Menu** → **1** → Select function.

The organizer provides you with a calendar with monthly, weekly and daily views as well as a notepad and dictating machine.

## Calendar

You can enter appointments and tasks in the Calendar.

Navigate with the control key depending on which view is displayed:



Scroll between weeks/  
days/hours.

**Agenda** Display daily agenda.

Appointments and any open tasks for the current day are displayed in chronological order in the agenda. If an appointment time is reached with the alarm set, you will hear a signal tone.

## Appointments

Appointment types:



**Memo.** Description with up to 50 characters.



**Speech Memo.** Record a voice memo.



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



**Meeting.** Description with up to 50 characters.

### Additional information

An alarm sounds even when the phone is switched off. To deactivate it press any key.

Message in display that alarms have been set: (🕒) alarm clock, (📍) appointments.

Deactivate all alarms .....p. 51

Set alarm tone .....p. 44

## Tasks

A task is displayed like an appointment in the agenda of the selected day. However, it does not need a time. When no time is entered the task appears at the top of the list every day until it is marked as completed.

## Notes

T9 support (p. 27) makes writing short notes such as shopping lists easier. Save confidential notes with the phone code (p. 21).

## Missed Alarms

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

## Calendar Setup

Select the start of the week and enter birthdays.

## Time Zones

**Menu** → **1** → Time Zones

Set the time zone for your area.

## Voice Memo

Use the dictating machine to record short voice memos.

### Additional information

The use of this feature may be subject to restrictions under criminal law. 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 to the conversation agrees.

## Control using the side keys

Record/play  
back  
(dictation key)

Loud

Quiet



## New recording

Press the dictation key for the duration of the recording. The maximum possible recording period is shown. Recording starts after a short beep.

## Pause

Release the dictation key for a maximum of 10 seconds to pause recording. If you press the key again, recording is resumed, otherwise it is stopped.

## Save

Recording is stopped if you release the dictation key for more than 10 seconds.

## Stop

End recording.

Recording is automatically saved with a time stamp.

## Save

Name recording.

## OK

Save recording.

## Play back

In standby mode, press the dictation key **briefly**. If the Options menu is set up that way, **Speakerphone** will be offered.

## Or

**Menu** → **1** → Voice Memo

The list of recordings is opened.



Select recording.

## Play

Press.

**Menu** →  → Select function.

## Alarm Clock

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

**On / Off** Activate/deactivate the alarm.

### Setting

**Change** Display selection: alarm calls and days



Navigate to the days.

**Change** Set the days for the alarm calls, then press **OK**.

## Calculator



Enter number (up to 8 digits).



Select calculator function.



Result is displayed.

**. = + - \* /**

Press the right soft key repeatedly.

**±**

Toggle between "+" and "-".

**%**

Convert to percentage.



Save/retrieve number.

**e**

Exponent (max. two digits).

## Currency Conv

You may calculate the exchange rates between three different currencies.

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



Enter the currencies and confirm with **OK**.



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

Select a combination of currencies to convert.

### Start

Press, then enter amount.



Result is displayed.

**Repeat** Repeat conversion with other data.

## Stopwatch



Two intermediate times can be clocked and stored.

### Reset

Reset to zero.



Start/stop.



Intermediate time.

Control using side keys:

Start/stop  
dictation key →

Intermediate  
time →

(side key, top)



**Menu** →  → Select function.

## Countdown



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

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

## Camera (Accessories)

You can use the phone to save and send photos you have taken with the Mobile Camera IQP-511. Shots can be taken in two different formats:

- Low resolution:  
QQVGA 160x120 pixels, memory size up to 6 KB to send as a picture message (p. 39).
- High resolution:  
VGA 640x480 pixels, memory size of one shot up to 40 KB – e.g. for further editing on PC. To allow the picture to be viewed on the phone display, a QQVGA picture is created for every VGA shot.

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

Or

**Menu** →  → **Camera**

The number of shots that can still be taken is shown.

**OK** Confirm.

The last shot taken is shown.



Scroll through photos.

Depending on the setting/situation, the following soft keys are available:

## Shot

A shot requires a few seconds to be processed.

Press the **plus/minus side key at the top**. You will hear an advisory tone when the exposure time has expired. The photo is shown on the display and saved automatically.

## Flash

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

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

Press **briefly** the **plus/minus side key at the top**. The flash is loaded. Press again to take a photo.

**Menu** →  → Select function.

## Voice command

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

### Record

**Menu** →  → Voice Cmnd.

A list with the functions available is displayed.



Select a function.

**Record** Press.

**Yes** Confirm function.

**Start** Start recording.

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

**Options** Open menu for the operating functions.

### Apply

Hold **down** the **plus/minus side key at the bottom** (in standby mode).

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

## Remote synchronization



You can use this function remotely to access externally filed data (addresses, calendar, etc.) and synchronize these with the data on your phone.

### Synchronize

**Start** Select computer, start synchronization.

### Sync. setup

**Setup** Start synchronization.

### Sync. Profile

Select to set a profile

**Options** Open menu and select Change.

### Server Setting

Select database areas: **Addresses, Calendar, Tasks, Notes** and fill in the input fields.

### Provider

To select the connection profile, see **Data Services**, p. 47.

### Activate remote sync. profile

#### Sync. setup

Select.

#### Sync. Profile

Select, then choose a profile and activate with

**Activate**

#### Additional information

[www.my-siemens.com/SyncMI](http://www.my-siemens.com/SyncMI)

## Left soft key

Assign a function/phone number to this key for fast access.

### Change (example)

**Internet** Press **briefly**.

**Change** Pick out the application, e.g. **New SMS**.  
**Phone Number:** Find in Phonebook/Addressbook.

**Select** Confirm setting.

### Apply (example)


Soft key with a phone number/name assigned.

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

## Speed dialing keys

Use the number keys 2 to 9 as speed dialing keys. Number key 1 is reserved for the mailbox.

### Change (example)

 Press an unassigned number key (2–9):

**Set** Pick out the application.  
**Phone Number:** Pick out from Phonebook/Addressbook.

**Bookmarks:** Scroll to a URL in your bookmarks list

**Select** Confirm setting.

### Apply (example)

 Hold **down** key.

## Favorites

**Menu** Press.

**Favorit.** Press.

Set up your own menu. The list of 10 entries is preset, but can be changed.

### Change Sett.

Each preset entry can be replaced by another entry from the selection list of Favorites.



Select entry.

**Options**

Press and select **Change Sett.**

**Set**

Press.



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

**Set**

Press.

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

### Reset All

**Options** Press and select **Reset All**.

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

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

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

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

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

**Menu** → 

A list of the folders and files is displayed.

**Open** Open folder or file with relevant application or if unknown data type:

**Mark** Highlight file.

The following files can be viewed from here:

bmp, jpg, gif, png	Pictures: show picture.
bmx, (anim) gif	Animation: show animation.
mid, amr, mmf	Tones&Alerts: play melody, tone.
vmo	Voice memo: play voice file.
col	Color scheme: can only be used via Setup p. 43!).
smo smi	SMS: with sub-folders: Inbox, Draft, Unsent, Sent
tmo txt	Text modules: text blocks. Text files.
*.jad *.jar *.db	Applications. Data. Download link.

## File system menu

<b>Options</b>	Open menu.
<b>Open</b>	Open folder.
<b>Move</b>	Place highlighted file or folder in temporary memory.
<b>Copy</b>	Copy highlighted file into temporary memory.
<b>Paste</b>	Transfer content of temporary memory into current folder.
<b>Delete</b>	Delete current entry.
<b>Delete All</b>	Delete all entries.
<b>Mark</b>	See highlighting mode (p. 29).
<b>Mark All</b>	All entries highlighted, see highlight mode (p. 29).
<b>New Folder</b>	Create a new folder and give it a name (only one folder depth available).
<b>Rename</b>	Change highlighted entry.
<b>Sort</b>	Set sort criteria (alphabetical, type, time).
<b>Attributes</b>	Display information on file or folder selected.
<b>Drive Info</b>	Display the capacity used and available.

Access to these functions is provided in the options menu for the relevant application. Please make sure you use the ANSI character set for transmission purposes. Your printer has to be set to the correct conversion table (code page) in order to display special characters correctly.

## IrDA (Infrared)

Activate IrDA, p. 47.

Application option:

Send/Print... → Via IrDA

**Send** Send data via the transmission route selected.

**Print** Send data to the connected printer.

## All via IrDA

Application option:

Send/Print... → All via IrDA

All entries from the Phonebook, Addressbook and Organizer will be sent or printed.

**Send / Print**

See above.

### To receive via IrDA

Please turn on IrDA to receive (p. 47).

## Via SMS/vCard

Phonebook and Addressbook entries as well as appointments can be sent as an SMS to other suitable cell phones. Several SMS messages may be created for larger objects.

## Via SMS/Text

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

## Import



Enable transmission to receive **several** objects in succession via IrDA. Activate IrDA, p. 47.

## Data objects

Files received via IrDA or SMS are stored in the file system (p. 58).

If you have any questions about using your phone, visit us at [www.my-siemens.com/customer-care](http://www.my-siemens.com/customer-care) anytime. As further help we have listed below some frequently asked questions and answers.

<b>Problem</b>	<b>Possible causes</b>	<b>Possible solution</b>
Phone cannot be switched on.	On/Off key not pressed long enough.	Press On/Off key for at least two seconds.
	Flat battery.	Charge battery. Check charging indicator in display.
	Battery contacts dirty.	Clean contacts.
	See also below under "Charging error".	
Standby time too short.	Frequent use of organizer and games.	Restrict use if necessary.
	Speed search activated.	Deactivate speed search.(p. 49).
	Display illumination on.	Switch off display illumination (p. 43).
	Unintentional keystrokes (illumination!).	Activate key lock (p. 44).
Charging error (charge icon not displayed).	Battery totally discharged.	1) Plug in charger cable, battery is on charge. 2) Charge icon appears after approx. 2 hours. 3) Charge battery.
	Temp. out of range 41 F to 104 F.	Make sure the ambient temperature is right, wait for a while, then recharge.
	Contact problem.	Check power supply and connection to the phone. Check battery contacts and device interface, clean them if necessary, then insert battery again.
	No mains voltage.	Use different mains power socket, check mains voltage.
	Wrong charger.	Use original Siemens accessories only.
Battery faulty.	Replace battery.	
SIM error	SIM card not inserted correctly.	Check that the SIM card is inserted correctly (p. 16).
	Dirty SIM card contacts.	Clean SIM card with a dry cloth.
	SIM card with wrong voltage.	Use 3V SIM cards only.
	SIM card damaged (e.g. broken).	Carry out a visual check. Change SIM card at service provider.

Problem	Possible causes	Possible solution
No network connection.	Weak signal.	Move higher, to a window or an open space.
	Outside GSM range.	Check service provider's coverage area.
	Invalid SIM card.	Complain to the service provider.
	New network not authorized.	Try manual selection or select a different network (p. 49).
	Network barred.	Check network barrings (p. 48).
	Network overloaded.	Try again later.
Phone loses network.	Signal too weak.	Reconnection to another service provider is automatic (p. 49). Switching phone off and on again can speed this up.
Calls not possible.	Second line set.	Set first line  (p. 48).
	New SIM card inserted.	Check for new barrings.
	Charge limit reached.	Reset limit with PIN 2 (p. 35).
	Credit used up.	Load credit.
Certain uses of phone not possible.	Call restrictions are in place	Barrings can be set by service provider. Check barrings (p. 48).
No entries in Addressbook possible.	Phonebook is full.	Delete entries in Phonebook or transfer to Addressbook (p. 31).
Voice mail not functioning	Call divert to mailbox not set.	Set call divert to mailbox (p. 45).
SMS (text message)  flashing.	SMS memory is full.	To free up capacity, delete (p. 38) or file messages (SMS).
Function cannot be set.	Not supported by service provider or registration required.	Contact your service provider.
Capacity problems with, for example, Games & More, ring tones, pictures, SMS archive.	Handset memory full.	Delete files in the relevant areas.
No WAP access, downloading not possible.	Profile not activated, profile settings wrong/incomplete.	Activate (p. 41), set (p. 42) WAP profile or set HTTP profile. If necessary ask your service provider.

Problem	Possible causes	Possible solution
Text message cannot be sent.	Service provider does not support this service.	Contact your service provider.
	Phone number for service center not set or incorrect.	Set service center (p. 41).
	SIM card contract does not support this service.	Contact your service provider.
	Service center overstrained.	Repeat message.
	Recipient does not have a compatible phone.	Check.
EMS pictures and sounds not displayed at destination phone.	Destination phone does not support the EMS standard.	
No Internet access possible.	Incorrect WAP profile set, or wrong or incomplete settings.	Check settings or ask contact service provider.
PIN error/ PIN2 error.	Three wrong entries.	Enter the PUK (MASTER PIN) supplied with the SIM card according to the instructions. If the PUK (MASTER PIN) has been lost, please contact your service provider.
Phone code error.	Three wrong entries.	Contact Siemens Service (p. 64).
Service provider-code error.	No authorization for this service.	Contact your service provider.
Too few/too many menu entries.	Functions may have been added or deleted by the service provider via the SIM card.	Check with your service provider.
No fax possible.	Wrong settings in the PC.	Check settings (p. 47).
	No authorization for this service.	Contact your service provider.
Charge meter does not work.	Charge pulse is not transmitted.	Contact your service provider.
Damage		
Severe shock.	Remove battery and SIM and re-insert them. Do not dismantle the phone!	
Phone became wet.	Remove battery and SIM. Dry immediately with a cloth, but do not apply heat. Dry connector contacts thoroughly. Stand cell phone upright in an air current. Do not dismantle the phone!	

**Reset all settings to factory default (see also p. 46): \* # 9 9 9 9 #** 

Simple, straightforward support for technical and operational queries is available from our online support service on the Internet: [www.my-siemens.com/customer-care](http://www.my-siemens.com/customer-care) or in the extended version of the user guide on the CD-ROM in the chapter "Questions & Answers".

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

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

## Exposure to radiofrequency signals

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

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

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

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

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

## Technical data

GSM class	4 (2 Watt)
Frequency range:	824 - 894 MHz
GSM class:	1 (1 Watt)
Frequency range:	1,850 ... 1,990 MHz
Weight:	79 g/2.79 oz.
Size	81.6x44.5x21.9 mm (63 ccm)
Li-Ion Polymer Battery:	500 mAh
Operating temperature:	14 ° F to 131 ° F
SIM card:	3.0 V

## Trademarks



CPS is a trademark of Cambridge Positioning Systems Limited.

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.



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

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

### Why the concern?

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

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

### What kinds of phones are in question?

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

### **How much evidence is there that handheld mobile phones might be harmful?**

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

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

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

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

When 20 types of glioma were considered separately, however, an association was found between mobile phone use and one rare type of glioma, neuroepitheliomatous tumors. It is possible with multiple comparisons of the same sample that this association occurred by chance. Moreover, the risk did not increase with how often the mobile phone was used, or the length of the calls. In fact, the risk actually decreased with cumulative hours of mobile phone use. Most cancer causing agents increase risk with increased exposure. An ongoing study of brain cancers by the National Cancer Institute is expected to bear on the accuracy and repeatability of these results.<sup>1</sup>

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. <sup>2</sup>

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 Internet Association (CTIA) in particular is expected to lead to FDA providing research recommendations and scientific oversight of new CTIA-funded research based on such recommendations.

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

- Two groups of 18 people were exposed to simulated mobile phone signals under laboratory conditions while they performed cognitive function tests. There were no changes in the subjects' ability to recall words, numbers, or pictures, or in their spatial memory, but they were able to make choices more quickly in one visual test when they were exposed to simulated mobile phone signals. This was the only change noted among more than 20 variables compared.<sup>3</sup>
- 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.<sup>4</sup>

In summary, we do not have enough information at this point to assure the public that there are, or are not, any low incident health problems associated with use of mobile phones. FDA continues to work with all parties, including other federal agencies

and industry, to assure that research is undertaken to provide the necessary answers to the outstanding questions about the safety of mobile phones.

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

Some people who have used mobile phones have been diagnosed with brain cancer. But it is important to understand that this type of cancer also occurs among people who have not used mobile phones. In fact, brain cancer occurs in the U.S. population at a rate of about 6 new cases per 100,000 people each year. At that rate, assuming 80 million users of mobile phones (a number increasing at a rate of about 1 million per month), about 4800 cases of brain cancer would be expected each year among those 80 million people, whether or not they used their phones. Thus it is not possible to tell whether any individual's cancer arose because of the phone, or whether it would have happened anyway. A key question is whether the risk of getting a particular form of cancer is greater among people who use mobile phones than among the rest of the population. One way to answer that question is to compare the usage of mobile phones among people with brain cancer with the use of mobile phones among appropriately matched people without brain cancer. This is

called a case-control study. The current case-control study of brain cancers by the National Cancer Institute, as well as the follow-up research to be sponsored by industry, will begin to generate this type of information.

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

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

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

- Support needed research into possible biological effects of RF of the type emitted by mobile phones;
- Design mobile phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and

- Cooperate in providing mobile phone users with the best possible information on what is known about possible effects of mobile phone use on human health.

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

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

The National Institutes of Health also participates in this group.

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

If there is a risk from these products – and at this point we do not know that there is – it is probably very small. But if people are concerned about avoiding even potential risks, there are simple steps they can take to do so. For example, time is a key factor in how much exposure a person receives. Those persons who spend long periods of time on their

hand-held mobile phones could consider holding lengthy conversations on conventional phones and reserving the hand-held models for shorter conversations or for situations when other types of phones are not available.

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

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

**Where can I find additional information?**

For additional information, see the following websites:

- Federal Communications Commission (FCC) RF Safety Program (select "Information on Human Exposure to RF Fields from Cellular and PCS Radio Transmitters"): <http://www.fcc.gov/oet/rfsafety>.

- World Health Organization (WHO) International Commission on Non-Ionizing Radiation Protection (select Qs & As):  
<http://www.who.int/emf>
- United Kingdom, National Radiological Protection Board:  
<http://www.nrp.org.uk>
- Cellular Telecommunications Internet 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/>

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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.

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

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



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

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

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

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

**When available, use a hands-free device.**

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

**Position your phone within easy reach.**

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

**Suspend conversations during hazardous driving conditions or situations.**

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

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

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

## **Dial sensibly and assess the traffic.**

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

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

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

## **Use your phone to call for help.**

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

## **Use your phone to help others in emergencies.**

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

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

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

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

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

Provided by the Cellular Telecommunications Internet Association (CTIA)

## Intellectual Property Restrictions


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