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See also Index at the end of this User Guide

Legal notices

The mobile phone described in this guide is approved for use on the GSM and GPRS networks operating on the GSM 900, 1800 (DCS/PCN) and 1900 (PCS) bands. It is approved for use in the country where it was originally sold and may be approved for use in other countries.

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Export Information

The mobile phone may be subject to export regulation of the United States and other countries. Diversion contrary to law is prohibited. You must comply with all applicable export laws, restrictions and regulations of the United States foreign agencies or authorities, and may not export, or transfer for the purpose of re-export, the mobile phone or any part of the phone in violation of any applicable restrictions, laws or regulations, or without all necessary approvals.

Network Services

A number of features included in this guide are called Network Services. They are special services provided by wireless service providers. In order to use any of these Network Services, you must subscribe to these service(s) from your service provider and obtain instructions for their use. Some of these Network Services may not be available when roaming on a network other than your home network.

Standby and Talk Time Information

The mobile phone incorporates features that are new to the mobile phone world. These may include color displays and lighting, graphic games, music reproduction and browsing the Internet. The way you use the display and the features will affect the performance of the battery and how long it lasts between charge cycles. The quoted standby times and talk times show the minimum and maximum performance that can be expected from the battery under normal network conditions and with the default settings as set by the factory. However, playing games (particularly with the backlight continuously switched on) and

listening to music will shorten the time available for standby and to make and receive telephone calls. Operation times also vary depending on network conditions, SIM settings, charging and battery condition, how you use your phone and other factors.

Memory

The mobile phone contains an internal memory device that stores the software required to operate the mobile phone, communicate with the GSM/GPRS network and provide the user interface. Some features in the internal memory run additional devices and some additional games and utilities. The amount of memory available in the mobile phone is finite and may be insufficient to store large numbers of applications and files.

Warning!

Remember to back up your data and to do so frequently. Always back up all data and programs before sending the mobile phone in for repair.

Safety precautions

Information for parents

Please read the operating instructions and safety precautions carefully before use.

Explain the content and the hazards associated with using the phone to your children.



Remember to comply with legal requirements and local restrictions when using the phone. For example in aeroplanes, petrol stations, hospitals or while driving.



Cellular phones can interfere with the functioning of medical devices such as hearing aids or pacemakers. Keep at least 9 inches (20 cm) between phone and pacemaker. When using the cell phone hold it to the ear which is farthest from the pacemaker. For more information consult your doctor.



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



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



Small parts such as the SIM card, sealing stop, lens ring and lens cap can be dismantled and swallowed by small children. The phone must therefore be stored out of the reach of small children.



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

The power supply must be plugged into an easily accessible AC mains power socket when charging the battery. The only way to turn off the charging device after charging the battery is to unplug it.



Do not use a handheld while driving.



Do not look at the LED (e.g. activated infrared port, flash LED) with optical magnifiers because of the risk of radiation.

This product complies with IEC/EN 60825-1 2 Safety of Laser Products² for LED Class 1M products; such products are safe under reasonably foreseeable operating conditions.



Do not place the phone near to electromagnetic data carriers such as credit cards and floppy disks. Information stored on them could be lost.



You may only open the phone to replace the battery (100% mercury-free) or SIM card. You must not open the battery under any circumstances. All other changes to this device are strictly prohibited and will invalidate the guarantee.

Important



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



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



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

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

This cellular phone offers a range of functions, it can be used in positions other than the head, such as on the body. In this case, separation distance of 2.0 cm is required. When a carry case, belt clip or holder is used for body-worn operation, it should not contain metal and should position the device the above-stated distance from your body.

Bluetooth®

Your phone has a Bluetooth interface. This makes it possible to establish a wireless connection of your phone with a headset of a car kit, or with other Bluetooth-enabled devices.

In order to establish a secure link between the devices and to prevent a third party from having access to your phone, you should observe the following points:

- The initial connection between two devices, called "pairing", should take place in familiar surroundings.
- Both devices must be able to identify themselves once by using a password/PIN. To ensure sufficient security, you should choose a 16-digit number combination for a password that would be difficult to guess (if a PIN has not been assigned).
- An automatic connection acceptance ("connection without confirmation") should only be used in exceptional cases.
- In general, only trustworthy devices should be linked in order to minimize security risks.
- You should restrict the "visibility" of your phone if possible. This will make it much more difficult for unknown devices to establish a connection with your phone. To do this, in the Bluetooth menu, set the option **Visib.to others** of **Always visible** to **Not visible** (see page 77).
- The name of your phone is transmitted in a Bluetooth connection. The factory default is the "Bluetooth ID". The first time Bluetooth is activated, or later in the Bluetooth menu, you can change this name (**My BT name**, page 77).
- If Bluetooth is not needed, this function should be deactivated.

Before using Bluetooth accessories, or a mobile phone inside a vehicle, check the vehicle user guide for any limitations on the use of these products.

Important

Read this information before using your wireless handheld phone.

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

Antenna care

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

Phone operation

Normal position

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

Tips on efficient operation

For your phone to operate most efficiently:

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

Driving

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

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

For vehicles equipped with air bags

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

improperly installed and the air bag inflates, serious injury could result.

Electronic devices

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

Pacemakers

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

Persons with pacemakers

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

Hearing aids

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

Other medical devices

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

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

Vehicles

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

Posted facilities

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

Airplanes

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

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

Blasting areas

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


Potentially explosive atmospheres

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

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

you would normally be advised to turn off your vehicle engine.

Emergency calls (SOS)

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

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

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

the charging begins to place any emergency calls.

When making an emergency call, remember to give all of the necessary information as accurately as possible. Remember that your wireless phone might be the only means of communication at the scene of an accident, therefore you should not terminate the call until given permission to do so.

Batteries and Chargers

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

Battery safety precautions

To reduce the risk of fire, injury or electric shock, and to properly dispose of batteries, please read and understand the following instructions. CONTAINS LITHIUM-ION OR NICKEL-METAL HYDRIDE BATTERY. BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY. DO NOT DISPOSE IN MUNICIPAL WASTE.

1. Only use the batteries specified for use with this mobile phone.
2. Do not use batteries of different sizes or from different manufacturers in this mobile phone.
3. Do not dispose of the battery in a fire; it may explode. Dispose of used batteries and phones in accordance with applicable laws and safety regulations. Do not expose battery to water. Check with local codes for special disposal instructions.
4. Do not open or mutilate the battery. Doing so may cause damage to the eyes or skin.
5. Exercise care in handling the battery in order not to short the battery with conducting materials such as rings, bracelets, and keys. The battery or conducting material may overheat and cause burns or fire.
6. Charge the battery provided with, or identified for use with, this product only in accordance with the instructions and limitations specified in the User's Guide. Do not attempt to charge the battery by any means other than those specified in the User's Guide.

Phone overview

① Call key

Dial displayed/highlighted phone numbers/names, take calls. In standby mode, show last phone numbers dialled.

② On/Off/End key

- Switched off: press to switch on.
- During a conversation or in an application: press **briefly** to end.
- In menus: return to standby mode.
- In standby mode, Slider closed:
- Press to lock keypad. Press and confirm with **OK** to unlock the keypad.


③ **Media player key**

Direct number for the media player.

④ **Wildcard key**

Key for Internet access unless otherwise preconfigured.

⑤ **Soft keys**

The current functions of these keys are shown as **text**/symbol (e.g. ).





⑥ **Centre key**



Press the centre key to open the main menu and to start an application or function (page 21).

⑦ **Navigation keys**

In standby mode:

-  Open user profiles.
-  Open contacts.
-  Open inbox.
-  Start the camera.

In lists, messages and menus:

-  Scroll upwards/downwards.

During the conversation:



-  Open contacts.



12 Phone overview

- ① **Loudspeaker**
- ② **Camera key**
- ③ **Media Player active:** Play/Pause.
Media Player not active: Start playing.
- ④ **Display**
- ⑤ **+ / - Volume control**
- ⑥ **Ringtone**
 - Press and **hold** in standby mode: switch all acoustic signals on/off (except alarm clock).
 - Press and **hold** on incoming call: switch off ringtone for this call only.
- ⑦ **Key lock**

Press and **hold** in standby mode: activate/deactivate key lock.
- ⑧ **Plug socket**
- ⑨ **Flash/torch**

 Press and **hold**  key: switch torch on/off.
- ⑩ **Camera lens**
- ⑪ **Mirror**



Display symbols







Display symbols (selection)

	Signal strength
	Charging
	Battery charge level, e.g. 50 %
	Contacts
	Call records
	Internet/Service provider portal
	Games
	Organizer
	Messages
	Camera
	Extras
	Media player
	My stuff
	Alarm clock
	Settings
	All calls are diverted.











	Ringer (beep) off
	Alarm set
	Keypad locked
	Text input with T9.
	Activated and available
	Registered
	Temporarily interrupted
	Browser offline
	Browser is being connected
	Browser online via GPRS
	No network (Internet)
	Bluetooth activated.
	Bluetooth visible to others.
	Bluetooth during data transmission.
	Call accepted on Bluetooth device.

14 Display symbols




Events (selection)

	SMS memory full
	MMS memory full
	Phone memory full
	No network access
	Inbox
	Memory assistant

Message symbols (selection)

	Unread
	Read
	Draft
	Sent
	MMS not sent
	MMS notification received
	MMS with DRM contents (page 20)
	E-mail forwarded
	E-mail with attachment
	Voice mail received

Camera symbols

	Zoom factor
	White balance
	Flash activated

Getting started

Your phone's display is covered with a protective film. Remove this before using the phone.

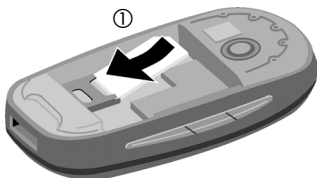


In rare cases static discharge can cause temporary discoloration in the display. However, this will disappear within approx. 10 minutes.

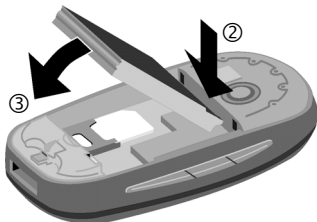
Inserting SIM card/ battery

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.

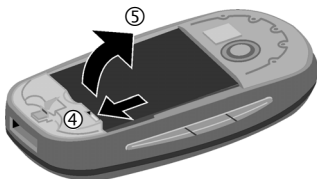
- Place the SIM card in front of the slot with the contacts facing downwards. Then push the SIM card fully into the holder using gentle pressure ①. Ensure that the chamfered corner is in the correct position.



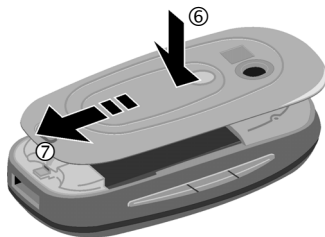
- Insert the battery into the phone with the retaining lugs beneath the camera lens ② and then press down ③ until it clicks into place.



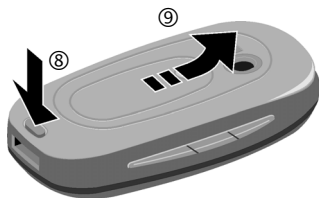
- To remove, press the catch down ④ until the battery springs out a little, and then remove ⑤.



- Position the battery cover on the device, slightly offset at the top ⑥, and then push in the direction of the arrow until it clicks into place ⑦.



- To remove, press the locking button ⑧, push the battery cover forwards slightly, and then lift it up and out ⑨.



Additional information

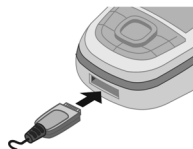
Please switch off your phone before removing the battery!

1.8 and 3 volt SIM cards are supported. Please contact your service provider if you have a different card.

Charging the battery

Charging

The battery is not fully charged when delivered. Plug the charger cable into the bottom of the phone, plug the power supply unit into a mains power socket and charge for at least **two hours** (for charging via USB, see page 92). Do not interrupt the charging procedure prematurely.



Display when charging is in progress.

Charging time

An empty battery is fully charged after about 2 hours. Charging is only possible within a temperature range of +5°C to +45°C (41°F to 113°F). If the temperature rises/falls 5°C (9°F) above/below this, the charge symbol flashes a warning. The mains voltage specified on the power supply unit must not be exceeded.

Operating time

The operating time depends upon the respective conditions of use. Extreme temperatures considerably reduce the phone's standby time. You should therefore avoid leaving the phone in the sun or on a radiator.

Talktime: up to 300 minutes

Stand-by time: up to 300 hours

Charge icon not visible

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

Only use the plug-in power supply unit included in delivery!

Display during operation

Charge level display during operation (empty–full):



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

Additional information

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

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

Switching on/off, PIN entry

Switching on/off



Press and **hold** the On/ Off/ End key.

Entering PIN

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



Open Slider. Enter the PIN using the number keys. The characters * * * * appear in the display to ensure nobody can read your PIN. Correct with **C**.



Press the left soft key to confirm. Logging on to the network will take a few seconds.

Additional information

Changing the PINpage 23
Clearing SIM card barringpage 24

Switching your phone on for the first time

Time/date

Set the clock correctly once when getting started (see also page 21).



Confirm.



Start entry.



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



Confirm. The time and date are updated.

Time zones



Select the city in the desired time zone.



Confirm.

Emergency number (SOS)

Only to be used in real emergencies!

By pressing the left 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).

General instructions

User guide

The following symbols are used to explain operation:



Enter numbers, letters.



On/Off/End key



Call key



Soft keys



Displays a soft-key function.



Press the centre key, e.g., to call up the menu.



Press the navigation key on the side marked with a triangle.



Function dependent on the service provider.

Slider

Open slider completely

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

Close slider completely

- Prompt to decide whether application should be continued or returned to standby status.
- Keypad locked in standby mode if no application except Media Player is running (if set).
- Closing melody on (if set).
- The call is ended (only if headset is not connected).
- The call is rejected.
- Alarm sound off (appointment, alarm).

Receiving signal



Strong receiving signal.



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

Standby mode

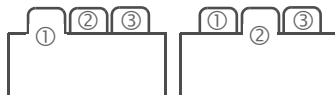
The phone is in **standby mode** and is **ready for use** when the name of the service provider appears on the display.



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

Tabs

The handy tabs offer you fast access to information and functions.



Switch between the individual tabs.

If an input field is activated on a tab, it is only possible to navigate within the field using the navigation key.

Digital Rights Mgmt. (DRM)

Remember that your phone has Digital Rights Management. The use of downloaded pictures, sounds or applications can be restricted by the suppliers, e.g., copy protection, use for a limited period of time only, number of times it can be used etc.

Main menu

The applications are shown with symbols in the main menu:



Call up from standby mode using the centre key.



Select application with the navigation key.



Start application.

Main menu options

Options Open menu.

Search List output of the menu. You can use the search option to directly access any menu item just by browsing for the keyword.

Large font Select one of two font sizes.






Lighting Set display light brighter/darker.

Menu controls

The steps needed to reach a function are shown in a **condensed form** in the user guide, e.g. to display record of missed calls in condensed form:



















This comprises the following steps:

-  Pressing the centre key opens the main mmenu in standby mode.
-  Select the record application.
-  Confirm with the centre key.
-  Select the function Calls dialed.
-  Confirm with the centre key.

Centre key


The symbol in the centre of the lower line of the display shows the current function when the centre key is pressed.

	Main menu		Send
	OK, confirm		View
	Change		Save
	Call		Play
	Edit		Record
	Insert		Pause
	Options		Stop
	Camera		Zoom

Standard functions

Functions which appear repeatedly in the options menu are listed here.

Options Open menu.

Edit	Open the entry to edit.
View	Display entry.
Delete	Delete entry.
New entry	Create new entry.
Send...	Select transmission service and medium for sending.
Print...	Printout on a suitable terminal via Bluetooth or USB.
Reply/ Reply to all	The sender becomes the recipient, "Re:" is placed before the subject, and the received text is transferred into the new message.
Save	Store entry.
Save to 	Save recipient in Contacts.
Sort	Set sort criteria (alphabetical, type, time).
Rename	Rename selected entry.
Capacity	Display memory capacity.
Import	Device ready to receive data (vcard, vcal, vnotes) via Bluetooth.
Attributes	Display properties of the highlighted object.
Help	Display help text.

Printing via USB

This Mobile Printing Ready product is designed to provide easy printing from mobile phones by connecting the mobile phone with a USB data cable to the printer.

This product follows the guidelines Version 1.0 for PictBridge from Mobile Imaging and Printing Consortium (MIPC).

Mark mode

For some applications (e.g. deleting several SMS messages) you can mark several entries on the tab in order to perform multiple functions at once.

Options Open menu.

Mark Activate mark mode.



Select entry/entries.



Mark or unmark.

Additional mark mode functions:

Options Open menu.

Mark all Mark all entries.

Deselect all Unmark all marked entries.

Delete marked All marked entries are deleted.

Security

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

Keep these security codes in a safe place where you can access them again if required.

PIN code

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



PIN control

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



Edit.



Enter PIN.



Confirm entry.

Change PIN

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



Edit.



Enter **current** PIN.



Confirm.



Enter **new** PIN.



Repeat **new** PIN.

Change PIN2

Proceed as for **Change PIN**.

Chg.phonecode

(Change phone code)

You define the phone code (4–8 digit number) the first time you call up a phone-code protected function (e.g. **Direct call**, page 87). It is then valid for all phone-code protected functions.

Following the third incorrect attempt, access to the phone code and the functions that use it is denied. If this happens please contact Siemens Service (page 122).

Clearing SIM card barrings

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 in accordance with the instructions. If the PUK (MASTER PIN) has been lost, please contact your service provider.

Preventing accidental activation

Even if PIN use is deactivated (page 18) confirmation is required to switch on the phone.

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



Press and **hold**.

OK

Press. The phone switches on.

Cancel

Press (or no further input) to stop switch-on procedure. The phone does not switch on.

Connection with PCs

You can connect your phone to a PC using Bluetooth or a data cable (accessories). The PC program MPM (Mobile Phone Manager) enables you to store data on your PC and, for example, synchronise the Address-book with Outlook®, Lotus Notes™ and other Siemens phones (including Gigaset). You will find Mobile Phone Manager on the CD-ROM supplied or you can download it from the Internet at:

www.siemens.com/sl75

Text input

Text input without T9

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



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

Press and **hold** to write the number.

Ä, ä, 1-9

Umlauts and numbers are displayed after the relevant letters.



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



Move the cursor (forward/back).



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

Press and **hold**: all input variants are displayed.



Press **briefly**: special characters are displayed.

Press and **hold**: open text input menu.



Press **once/repeatedly**:
., ? ! ' " 0 + - () @ / : _

Press and **hold**: write 0.



Inserts a space. Press twice = line break.

Special characters



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

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

1) Line break



Scroll to a character.



Confirm.

Text input menu

For text input:



Press and **hold**. The text input menu is displayed:

Input language
 Mark text
 Copy/Insert

Text input with T9

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

Writing with T9

The display changes as you proceed.

It is therefore 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 T9 **Abc**, then



A blank ends a word.

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

T9®Text Input is licensed under one or more of the following:
 U.S. Pat. Nos. 5,187,480, 5,818,437, 5,945,928, 5,953,541, 6,011,554, 6,286,064, 6,307,548, 6,307,549, 6,636,162 and 6,646,573;
 Australian Pat. Nos. 727539, 746674 and 747901;
 Canadian Pat. Nos. 1,331,057, 2,302,595 and 2,227,904;
 Japan Pat. No. 3532780, 3492981;
 United Kingdom Pat. No. 2238414B;
 Hong Kong Standard Pat. No. HK1010924;
 Republic of Singapore Pat. No. 51383, 66959 and 71979;
 European Pat. Nos. 0 842 463 (96927260.8), 1 010 057 (98903671.0), 1 018 069 (98950708.2);
 Republic of Korea Pat. Nos. KR201211B1 and KR226206B1.
 People's Republic of China Pat. Application Nos. 98802801.8, 98809472.X and 96196739.0;
 Mexico Pat. No. 208141;
 Russian Federation Pat. No. 2206118;
 and additional patents are pending worldwide

T9 word suggestions

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

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



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



Repeat until the correct word is displayed.

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

To add a word to the dictionary:

Learn Select.

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

Correcting a word



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



Scroll through the T9 word suggestions again.



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

Additional information

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



Set a full stop. The word is concluded if it is followed by a space. Within a word, a full stop represents an apostrophe or hyphen:

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



Moving the cursor to the right ends the word.



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



Press and **hold**: all input variants are displayed.

Press **briefly**: select special characters (page 25).

Press and **hold**: opens text input menu (page 26).

Text modules

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



New

Select.



The input field is opened.



Write text, select with **Options** or, if applicable, select input language and copy or insert texts.



Save text module.

Using text modules

From text modules



Select text module from the list

Create message

Select.



Select the type of message in which the text module is to be used.



Confirm. The text module is added.



Complete the message and send.

From an application (SMS, MMS, e-mail)



Write the text for the message in the application.

Options

Open the text menu.

Insert text

Select, then **Text modules**.



Select text module from the list.



Confirm. The text module is added.

Calling

Dialling with number keys

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



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

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



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

International dialling codes



Press and **hold** until a "+" is displayed.

Options

Open call menu.

Country

Press and select country.

Phone number memo

You can enter a phone number during the call. The person to whom you are speaking can hear these entries. When the connection has ended you can save or dial the phone number.

Ending a call



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

Or

Close slider.

Setting the volume



Adjust the volume with the plus/minus keys (only possible during a call).

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

Redialling

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



Press Call key the **twice**.

To redial other phone numbers that were dialled previously:



Press the Call key **once**.



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



... to dial.

If the number is busy

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

Either

Auto last number redial

Options Open call menu.

Auto dial The phone number is automatically dialled ten times at increasing time intervals.



Confirm. End with:



End key.

Or

Call back



Options Open call menu.

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



Confirm.

Reminder

Options Open call menu.

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

Accept call

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



Press the Call key.

Or



Press the centre key.

Or

Open slider.

A phone number transmitted by the network plus the corresponding name are displayed if they are stored in Contacts (page 37).

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

Rejecting a call

Reject Press.

Or



Press **briefly**.

Or Close slider.

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 ringtones.

Handsfree

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

Options Open call menu.

Handsfr. Activate/deactivate handsfree talking.



Confirm.

Warning!

Always switch off "handsfree talking" before holding the phone to your ear. Otherwise you will damage your hearing!

Swapping between 2 calls



Establishing a second connection

You can call another number during a call.

Options Open call menu.


Hold The current call is put on hold.




Confirm.



Enter new phone number
or

 call up **Contacts** **or**

 open call records and select a phone number.

When the new connection is established:

Options Open call menu.

Toggle Swap between calls.



Confirm.

Incoming calls during a call

You may need to register for this service with your service provider and set your phone accordingly. During a call, you may be advised that there is another call waiting. You will hear a special tone during the call (page 81). You have the following options:

32 Calling

- **Accept the waiting call in addition to the first**

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

Always proceed as above to swap between the two calls.


- **Reject the waiting call**


Reject Press.

Or

Forward The waiting call is diverted, for example, to mailbox (see page 81, also Ring tones and silent alert must be off).

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

 End the current call.

 Accept the new call.

End call(s)

 Press **briefly**.

Or Close slider.

After the **Return to held call?** display, you have the following choice:

Yes You accept the call on hold.

No You end the second call too.



Conference



You can call up to 5 conference participants one after the other and then link them together in a conference call. Some of the functions described may not be supported by your service provider or may have to be enabled specially.

A connection has already been established:

Options Open menu and select **Hold**. The current connection is maintained.


  Select phone number from **Contacts** or enter it manually.

When the new connection is established ...

Options ... open the menu and select **Conference**. The held call is joined.

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

Ending



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

Or Close slider.

Call options

The following functions are only available during a call:

Options Open menu.

Hold	Hold current call.
Microphone on	If switched off, the person on the other end of the line cannot hear you (muting). Also: press  and hold .
Handsfree	Playback through the loudspeaker.
Conference	(p. 32)
Time/charges	Display talktime that has elapsed so far and (if set) cost incurred during the call.
Send DTMF	Enter tone sequences (numbers) for remote inquiries to an answering machine.
Main menu	Access to main menu.
Call transfer 	Connect the original call to a second call. For you, both calls are now ended.
Call status	List all held and active calls (e.g. participants in a conference).

Direct call

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

Switching on



Confirm selection.



Enter phone code.

When first prompted you define and enter the phone code (4–8 digits).

Please do not forget this code (page 24)!



Confirm selection.



Select phone number from Contacts or enter it manually.



Confirm.

Applying

Carol

To dial the phone number (e.g. "Carol") press and **hold** the right soft key.

Switching off



Press and **hold**.



Enter phone code.



Confirm entry.

Tone sequences (DTMF)

You can, for example, enter tone sequences (digits) for remote access to an answering machine **during** an existing connection. These entries are transmitted directly as DTMF codes (tone sequences).

Options Open menu.

Send DTMF

Select.



Enter phone number.



Confirm.

Using Contacts

Store phone numbers **and** tone sequences (DTMF tones) in **Contacts** in the same way as a normal entry.



Enter phone number.



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



Enter DTMF tones (digits).



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



Enter a name.



Save entry.

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

Contacts



You can store up to 5000 entries in this phone directory, with several phone and fax numbers plus additional address details.

For fast access, the contacts and functions are sorted and offered on five tabs:

All contacts, Groups, Online status, SIM, Filter



Open Contacts (fast access in standby mode).



Switch between the individual tabs.

Communication



Select contact.



Call selected contact.

Or

Options

Open menu, then **Create message**, to start an Instant Message dialogue.

All contacts

Display all entries stored in the phone or on the SIM card in alphabetical order.

New entry



Confirm **New entry**. The tabs for creating the entry are displayed.



Switch between the individual tabs.

The following tabs are offered:

General sett.	First name, surname and important phone numbers. A ringtone, a picture, or video with sound can be assigned to each contact.
Private	General address information and additional communication numbers such as fax and e-mail.
Business	Company information, address, communication numbers.
Person	Personal details such as date of birth, group membership and other notes.
Presence	Contact information for Instant Messaging (page 58).

In the respective tabs:



Select required input fields.



Fill in input fields. The maximum number of characters available is shown at the top of the display.

At least one name or one company must be entered. Always enter phone number with dialling code.



Open options menu and select **Save**.

Viewing/editing entries



Select required entry.



Switch between the individual tabs.



Open current tab to edit.



Open options menu.

Synchronisation

The Siemens MPM (Mobile Phone Manager, page 115) allows you to manage contacts using PCs.

Groups

You are offered 10 different groups to enable you to arrange your contacts clearly. You can edit the names of groups as you wish.

Editing group attributes



Select group.

Options

Open menu and select **Attributes**. You can make the following changes:
Name:, **Ringtone**:, **Picture**:

Adding a contact

Contacts may be added to a group via **All contacts**.



Select contact, open **Options** and select **Add to group**.

A contact can only belong to one group.

Online status

Display all contacts for whom a Instant Messaging address (WV address) is entered.

SIM

Display all contacts stored on the SIM card.

New entry



Confirm **New entry**, enter name and phone number, and select the storage location (SIM/protected SIM).

Viewing/editing entries



Select required entry.



Edit entry.

Editing menu

Options Open menu.

Add more fields	Move SIM card entry to the phone memory. Now all tabs are offered for further entries.
from contacts	Copy entry/entries from the phone memory to the SIM card (reduced information).
Change	Location: SIM/Protected SIM. On special SIM cards, phone numbers can be stored in a protected location. PIN2 is required for editing. Record #: Select an unassigned number for the entry. It can be used to dial the phone number.

(For standard functions see page 22)

Filter

Those entries which match the selected filter criteria are displayed, e.g. those containing a picture.

Most used (default)


URL Birthday

Pictures Ringtones

E-mail

General options

Options Different functions are offered depending on the tab and the current situation.

Filter	Only those entries which match the filter criteria are displayed.
Create message	Create a message for a selected contact (SMS, MMS, e-mail, Instant Message).
Search IM ID	Search for assigned Instant Message ID.
Internet	The URL assigned to the contact is visited via the WAP browser.
Open	Display phone numbers for information.
Add to 	Store entry in Contacts.
Add to group	Add entry to a group.
Take a photo, Record video, Record sounds, etc.	Create picture, video and sound information for a contact from scratch or add from My stuff.
More	See below.
(For standard functions see page 22)	

More

Location

Switch the storage location of entries between the phone memory and the SIM card.

Synchronizatr.

You can synchronise your mobile with an organiser stored on the Internet (**Remote sync.**, page 99).

Capacity

Display memory capacity.

Settings

Sort by...	First name or surname
Spec. numbers	Display special phone numbers, yes/no
Alarm time	Period of time before which you want to be reminded of an entry with a birthday.
Display name	First name or surname is displayed.
Field setup	Setup for fields on a tab.
Entry Tab:	Tab that is to be shown first.

As business c.

Define a selected contact as a business card.

Business card

Establish a contact as your own business card to send to a different GSM-phone.

Import

Set up readiness to receive via Bluetooth.

Add more fields

Move SIM card entry to the phone memory. Now all tabs are offered for further entries.

Conference

Start a conference with up to five participants highlighted in advance. The contacts are dialled one after another.

Call records

A caller's phone number is displayed if

- the caller has switched off the **Hide ID** function and
- the network supports the "Caller Identity" function.

Alternatively, a caller's name is displayed if it is stored in Contacts.

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



Select record.



Open record.



Select phone number.



Dial phone number.

Or



Display information on the phone number.

Up to 500 entries are stored in the records:

Missed calls



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



Symbol for missed call (in standby mode).

Press the soft key beneath the symbol to bring up the inbox.

Calls received

Accepted calls are listed.

Calls dialed

Access to the last numbers you have dialled.



Fast access in standby mode.

Delete records

The records are deleted.

Dur./charges

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



Last call

All outg. calls

All incom. calls

Remain. units

(Only shown if supported by your service provider)



Select display.



Open area.

Dur./charges options



Open menu.

Reset	Reset the currently selected setting.
Reset all	Reset all settings.
Charge settings	Call up the menu (see below).

Charge settings

Currency

(PIN2 prompt)

Enter desired currency.

Charge/Unit

(PIN2 prompt)

Enter the currency used as well as the charge per unit or time.

Account limit

(PIN2 prompt)

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



Press.



Enter PIN2.

Account limit

Activate.



Enter number of units.

Options

Open menu, then select **Save**.

Auto display

Call duration and charges are displayed during and after call if personal rate is set.

Camera

A camera with flash is integrated in the phone. Take photos/record videos and

- use photos as wallpaper, a logo, screensaver or startup and shutdown animation
- assign a photo/video to a contact
- send photos/videos via MMS or e-mail
- save photos in **My stuff** (page 112).

Switching on



Or



with the plus/minus key in standby mode.

The current (preview) image is displayed. You will see the following in the first line from left to right:



Zoom factor



Night mode



White balance



Flash active.

The number of photos that can still be taken in the selected resolution is displayed in the preview image. This number varies considerably depending on the subject matter and how much storage space is required. You will also see an indication of the selected resolution or, if video mode has been selected, there is an indication as to how much recording time has already been used and the maximum time still available.



Switch between the **Take a photo** and **Record video** tabs.

Take a photo



Take a photo. A beep is heard as the photo is taken (this cannot be deactivated).



If necessary, set the zoom factor first.

The photo is saved with the user-defined name (see **Settings** in camera options) and a consecutively number in the **Pictures** (page 114) folder in **My stuff**. To enter the name, see **Settings** in the options menu.

Image resolution

It is possible to set the quality of the image regardless of the preview image resolution. The best possible resolution is 1280 × 960 pixels.

To take individual wallpaper images you need to set **Background** as the image resolution in the options.

Additional information

A mirror is integrated in the back of the phone to make it easier to take self-portraits.

Record video

The video mode resolution is the same as the preview image resolution.



Start video recording.

A red dot appears in the top right of the display while the video recording is being made.



End video recording.

The video is saved with a name, the date and the time in the **Videos** folder (page 114) in **My stuff**.

Video resolution

It is possible to set the quality of the image for a video regardless of the preview image resolution. The best possible resolution is 176 × 144 pixels.

Flash

If the flash is active, a symbol appears in the display. The flash is charged constantly when activated. This reduces the stand-by time.



This symbol flashes when the flash is being charged.

For settings, see options menu. The flash performance depends on the outside temperature and the charge status of the battery. If the temperature is low and the battery needs charging the flash performance deteriorates.

You can use also an external plug-in flash module (see accessories page 128).

Camera options

The following functions are available, depending on the current situation.

Options Open menu.

Memory assis.	If there is insufficient memory available the memory assistant is started.
Pictures	Display list of photos.
Other videos	Display list of videos.
Microphone on	Switch microphone on or off.
Use flash	Choose between: Automatic, On, Off, Red-eye
Settings	<ul style="list-style-type: none"> • Name for recordings • Video resolution • Image resolution • Brightness • Colour mode • Night mode for poor lighting conditions • Flash strength • Autotimer delay in seconds • Set video recording time for short/long MMS • Location: My stuff (page 112).

Frame	Selection of various decorative frames.
Auto-timer	The photo is taken after a preset time. For the last 5 seconds, you will hear a beep each second.
White balance	Choose between: Automatic, Indoor, Outdoor
(For standard functions see page 22)	

SMS/MMS

You can use your phone to send and receive text messages and MMS (Multimedia Messaging Service) messages.

Information about SMS

You can use your phone to transmit and receive very long messages (up to 760 characters). They are automatically composed of several "normal" SMS messages (note higher charges). Additionally, you can insert pictures and sounds in an SMS.

Information about MMS

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

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

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

Writing an SMS



→ Create new → SMS



Enter text.

You will find information on writing texts with and without T9 in the chapter "Text input", (page 25).

Options

Open menu, then select **Add addressee**.



Enter phone number and ...



... save

or

Select recipient from **Contacts**.



Start sending process.

Additional information

The following is displayed in the uppermost line: text input status, number of SMS messages required, number of characters still available for the current SMS.

If the length of the text exceeds 760 characters, the message is converted into an MMS.

SMS options

Options Open menu.

Add addressee	Add recipient.
Del. addressee	Delete recipient.
Save as draft	Store the SMS as a draft.
Text Edit menu	Input language, Mark text, Copy, Insert
Send options	See page 50.
Insert text	Text modules (page 28) Emoticons (page 52) Signature Opening sentence Contact details Bookmark
Play	Play back animations and melodies with the media player.
Add item	When melodies, pictures, videos or animations are added the SMS is con- verted into an MMS (page 46). Remember that these may be protected (DRM, page 20).
Create item	Take a photo/ Record video Start camera (page 42). Record sounds Start sound recorder (page 104).
(For standard functions see page 22)	

Writing an MMS


 →  → Create new → MMS

Layout

An MMS may comprise a series of pages. Each page may contain a text, a picture/video and a sound. Remember that pictures and sounds may be protected (DRM, page 20).

For functions related to this see **MMS options** (page 47).

Contents

 Open menu, then select
Add item/Create item.

Text

You will find information on writing texts with and without T9 in the chapter "Text input" (page 25).

Pictures/Videos

Add pictures and videos from **My stuff** or take new ones with the camera.

Audio

Add melodies from **My stuff** or record new ones with the sound recorder.

Contacts

Add address data from Contacts.

Attachment

Add any files from **My stuff**.

Sending

Options Open menu, then select
Add addressee.



Enter phone number
and ...



... save

or select recipient from
Contacts.

If necessary insert a
subject:

Open menu, then select
Add Subject: and enter
a brief description of
the MMS.



Start sending process.

MMS options

Options Open menu.

Save as templ.	Save MMS as a template.
Add addressee	Add recipient.
Del. addressee	Delete recipient.
Add Subject:	Add subject field.
Add item	Add contents.
Create item	Take a photo/ Record video Start camera (page 42). Record sounds Start sound recorder (page 104).

Preview	Play entire MMS in the display.
Save as draft	Store the MMS as a draft.
Text Edit menu	Input language Mark text Copy Insert
Send options	See page 52.
Insert text	Text modules Emoticons (page 52) Signature Opening sentence Contact details Bookmark
Page duration:	Enter the lifespan of a page in seconds.
View pictures/ Play	Play back animations and melodies with the media player.
Open attach.	Play back attachment with the media player.

(For standard functions see page 22)

Receive

A new incoming message is shown in the display.



Confirm receipt.



Use the soft key underneath to open the **Inbox**.

Options

Different functions are offered depending on the situation.

Options Open menu.

View	Read the SMS/MMS or the notification about an MMS.
Reply/ Reply to all	<ul style="list-style-type: none"> • With new SMS. • With new MMS. • Quoted original: new SMS with the sender as recipient and the first 50 characters of the received message.
Forward	Forward message to another recipient. If wished, additional contents can be added to an MMS.
(For standard functions see page 22)	

Reading



Select the **SMS/MMS** tab.



Select the required message.



Read the **SMS/MMS** or the notification about an MMS.

Additional information

Plus/minus keys

Adjust volume.



Activate/deactivate sound.

For MMS only:



Scroll up/down within a page.



Jump to next page and return at end to first page.



Jump to the start of a page or to the previous page.

Options

Different functions are offered depending on the situation.



Open menu.

Save picture	Opens the picture folder in My stuff .
Play	Play back MMS.
Pause	Pause playback of an MMS.
Save sound	Opens My stuff for selection of a folder.
Open link	Starts the WAP browser (page 66).
Open item	The contents of the MMS are listed for playback with the media player or for saving.
Save item	The contents of the MMS are listed for saving in the relevant folder.
Open attach.	Open attachment.
Save attach.	Opens the relevant folder in My Stuff for saving.
(For standard functions see page 22)	

Draft



→ Draft → SMS/MMS

The drafts tab is displayed.

Outbox



→ Outbox → SMS/MMS

The tab for the messages not sent yet is displayed.

Sent



→ Sent → SMS/MMS

The tab for the messages sent is displayed.

Archive



→ Msg. archive
→ SMS/MMS

Messages are saved in the archive according to their type and origin. Select tab and read required message(s).

You can move important messages to the archive with **Options**, **Move to archiv**.

Templates



→ Templates
→ MMS templates/Text modules

MMS templates

MMS templates are messages saved without an address. They can be sent as a whole or as part of a new MMS.



Select MMS template.



Prepare message and send.

Text modules

See page 28.

General settings

These settings are applying to all message types.

Send options

Transm. rpt.	Request delivery confirmation.
Read report	Request confirmation that the message has been read.
Validity period	Period in which the service centre is to try to deliver the message.

Creation

Add signature	A "signature" is attached to each SMS. Choose between: Never , Always , New messages
Signature	Create signature.

Add open. sent.

An introductory sentence or salutation is placed at the beginning of each SMS. Choose between: **Never**, **Always**, **New messages**

Open. sentence

Create introductory sentence.

Retrieval

Allow deliv. rep.

Permit delivery report.

Allow read rep.

Permit confirmation that the message has been read.

SMS settings



→ → **Msg settings** → **SMS**
 → Select function.

Send options

Service center	Enter the phone numbers for the service centre as provided by the service provider.
SMS via GPRS	SMS messages are sent via GPRS.
Direct reply 	If activated, the reply to your SMS message is handled via your service centre (for information, please contact your service provider).

Creation


Message type	May be set by the service provider. Default: Standard text: Normal SMS message.
---------------------	---

More information on SMS


SMS status report

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

Phone number in SMS

Phone numbers **marked** in the text can be dialled () or saved in Contacts.

Downloading ringtones and logos

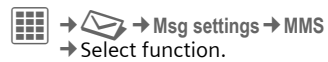
You can receive links for downloading ringtones, logos, screensavers, animations and information about applications with an SMS. Please highlight this link and, by pressing the Call key , start the download. Please check that the dial-in access (page 75) is configured.

Remember that these may be protected (DRM, page 20).

SIM memory full

If the message symbol flashes the SIM memory is full. **No** more SMS messages can be received. Messages must be deleted or archived.

MMS settings



Send options

Delivery time	Set the time for delivery.
Hide number	Hide sender's phone number.

Creation

Create mode	Free, Limited, Warning
Max. msg. size	Unlimited, 95 KB, 295 KB
Page duration	Default lifespan of a page in seconds.

Retrieval

Retrieval	Automatic: MMS is downloaded automatically. Always ask: Confirm downloading the MMS. Reject: MMS will not be downloaded.
Re-triev.(roam.)	Effective for MMS retrieval when outside your home network. Same parameters as above.
Reject anonym.	Reject anonymous messages.

Connectiv. set.

Select the required MMS profile in which the connection attributes are specified (page 78). You can obtain the data you need for this from the service provider or at:

www.siemens.com/mobilephonescustomercare

Save aft. send



Configure whether messages are saved in the **Sent** list after sending.

Zoom in

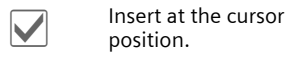


You can select one of three specified text sizes for presenting a message.

Emoticons



Emoticons are small symbols (smileys) with which you can show your feelings in pictorial form.



You can set whether the emoticons are to be displayed as graphics or made up of special text characters ;-).

E-mail

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

Writing/sending

 →  → Create new → E-mail



Enter text.
You will find information on writing texts with and without T9 in the chapter "Text input", (page 25).

Options

Open menu, then select **Add addressee**.



Enter e-mail address(es) and ...



... save.

or

Select recipient from Contacts.

Add Subject

Options

Open menu, then select **Add Subject**: and enter a brief description of the e-mail.

Add additional address fields

Options

Open menu, then select **Add Cc:** or **Add Bcc:** and add additional recipients (see above).

Add attachments

Options

Open menu, then select **Attach item**. The name and file size are displayed.



Send e-mail.

Write/send options

Different functions are offered depending on the situation.



Open menu.

Text Edit menu

Input language
Mark text
Copy
Insert

Add addressee

Add a recipient from Contacts.

Attach item

- **My stuff:** Open to make a selection. Remember that pictures and sounds may be protected (DRM, page 20).
- **Take a photo/Record video:** Start camera.
- **Record sounds** Start sound recorder.
- **Contacts:** Open to make a selection.

Add Subject:

Add subject line (max. 255 characters).

Add Cc:

Add address(es) of copy recipient(s).

Add Bcc:	Add address(es) of copy recipient(s) who are not visible to the other recipients.
Remove attach.	Remove attachment from e-mail.
Open attach.	Open attachment.
Insert text	Text modules (page 28) Emoticons (page 52) Signature Opening sentence Contact details Bookmark
Save as draft	Store the e-mail as a draft.
Send options	<ul style="list-style-type: none"> • Transm. rpt. Request delivery confirmation. • Read report: Request confirmation that the message has been read. • Priority: Medium, High, Low
(For standard functions see page 22)	

Receiving/reading



→ Inbox

Select the E-mail tab.

Before an e-mail can be read, it must be retrieved from the server.



Open menu, then select
Retrieve e-mail or
Ret. content.



Select the required
message.



Read message.

Receive/read options



Open menu.

Reply/ Reply to all/ Forward	Send or forward reply to e-mail/marked e-mail.
Ret. content	Only receive the contents of the e-mail (see also download options for E-mail setup/General sett. page 55).
Save attach.	Store e-mail attachments in My stuff (page 112).
Save to	Store sender in Contacts.
Move to archiv.	Move e-mail to archive.

Draft



The tab for the messages not sent yet is displayed.

Sent



The tab for the messages sent is displayed.

Archive



Messages are saved in the archive according to their type and origin. Select tab and read required message(s).

You can move important messages to the archive with **Options**, **Move to archiv**.

Settings



General sett.

General settings for receiving and sending.

Download option	Receive complete e-mail or only the message header.
Size limit	Limit size for a receiving an e-mail in KB.
Delete option	Delete e-mail on phone only or also at the server.

Connectiv. set.

You will receive the necessary data to set the server access and your e-mail parameters from your service provider or at:

**www.siemens.com/
mobilephonescustomercare**

Change active profile



Press.



Select the new profile.



Activate.

56 E-mail

Change profile settings



Select the fields to edit.

Name:	Application name.
Application profile:	Select application profile.
Preferences	List of preferred accesses.
User name:	Your name.
E-mail address:	Your e-mail address, e.g.: name@domain.abc
Reply address:	Additional e-mail address for replies.
User ID:	Your user ID.
Password:	Your password.
POP3 server:	Enter Internet address if the server type is POP3 and SMTP.
POP3 port:	(Default: 110)
SMTP server:	Enter Internet address.
SMTP port:	(Default: 25)
SMTP authentic.:	Authentication: Yes/No
SMTP password:	A user password will be required if "Authenticat-ion" is set to Yes.

Options Open, then select **Save**.

WAP push

WAP push messages are transmitted from special service centres. If, for example, you have requested configuration data from your service provider this will be transmitted via WAP push.

Inbox



→ → WAP push



Select the required message.



Read the message or information about the transmitted data/programs and, if applicable, trigger a download.

Inbox options

Different functions are offered depending on the situation.

Options Open menu.

Execute	Execute program.
Install	Start installation.
Accept/ Reject	Accept/reject message.
Settings	Call up settings.

Msg settings



→ → Msg settings
→ WAP push

Options Open menu, then select Settings.

Allow push	Settings to receive WAP push messages: Allow specific , Allow none , Allow all If Allow specific has been set, the following lists may be edited.
Accept list	All messages whose senders are included in this list are accepted (max. 20 entries possible).
Reject list	All messages whose sender is included in this list are automatically deleted (max. 20 entries possible).
Unk. address	Handling of messages whose senders are neither in the white nor the reject list: Reject , Delete

Chat room



You can chat with dialogue partners who are also registered for this service on your phone or PC. Your partners are entered in contact lists for this and selected from them for a private or group dialogue. Similarly, you can be invited to a dialogue by other subscribers.

GPRS must be switched on.

Start menu (offline)

If **Autom. login** is activated the main overview is displayed immediately.



→ Chat room

Login

Start to make a connection.

Account

The access settings are normally preconfigured. If necessary, enter **User ID**: and **Password**: to activate access.

Please contact your service provider if you do not have access data.

Online status

Call up the **Online stat. mgr** to set your personal attributes (page 103).

Saved convers.

Access to permanently saved dialogues.

Conversa. hist.

Read all dialogues from the last session offline (deleted next time you log in).

Settings

Settings for applications and servers.

Automatic login:

Select your preferred login procedure: e.g. manual or when the phone is switched on.

Timeout:

Set the timeout in minutes after which **Chat room** is put in the background if no action is taken. The session continues and can be called up again via the menu.

Pop-up info:

Activate/deactivate pop-ups for new messages or change the online status, for **Chat room** only, if the application is visible.

Main overview (online)

After you have logged in successfully, depending on your service provider you will see up to 5 tabs as described below:

Conversations

IM contacts

IM groups

Info messages

Saved convers.

Conversations

The following are shown in the list:

- Online contacts with whom a conversation is being held.
- Offline contacts to whom a message has been sent.
- Groups you are registered with.
- Groups that are not connected and have unread messages.
- Offline contacts with unread messages.

Starting a dialogue



Select an entry (individual contact or group) for a dialogue.



Start dialogue.

Dialogues that have taken place previously are displayed.

Navigation



Scroll in the dialogue.



Switch between different dialogues.

Dialogue



Write text.



Send text.

Naturally, you can also receive messages from contacts you do not know. This will be pointed out to you in the display, and you can either switch to the dialogue or block the contact.

Options

Options Open menu.

Different functions are offered depending on the selection and situation:

Contact details	Additional information about the contact.
Group details	Additional information about the group.
Online status	Set your personal attributes (page 103).
Add member	Add a new member.
Find member	Look for member.

Invite	Invitation to the contacts in your own group to join the dialogue.
Delete member	Delete contact from the list of members.
IM contact	Save contact in the current contact list on the server.
Settings	Settings for auto login.
Block contact	No more messages are received from the contact and the contact receives no status information from you.
Message to ID	Enter ID manually.
Logout	The session is ended and the start menu displayed. Only the display is ended with Exit ; the session continues in the background. New messages are stored in the Inbox . To continue the dialogue, open the application again via the main menu.
(For standard functions see page 22)	

IM contacts

Display the contact list last used and, if applicable, entries from **Contacts** with Instant Message ID.



Select an entry in a contact list for a dialogue.



Start dialogue.

At the end the offline contacts are displayed, visually separated and in alphabetical order.

IM contacts options

Options Open menu.

Different functions are offered depending on the selection and situation:

Add contact	User ID: Enter a unique user (login) name. Display name: Enter your own nickname for the contact.
Find contact	Look for the contact in the contact lists.
Block contact	No more messages are received from the contact and the contact receives no status information from you.

Delete contact	Delete contact from the list.
Contact lists	Display your personal contact lists. Create new contact list: select New entry and assign an ID and a name.
Block list	Display the list with rejected contacts.
For further functions see page 59.	

IM groups

Display all groups created by you or in which you are yourself a member.

Hold dialogue as for IM contacts.

IM groups options

Options Open menu.

Different functions are offered depending on the selection and situation:

Invite	Invitation to the contacts in your own group to Inst. Message.
Add member	Add new group member.
Find member	Search for group member.
Delete member	Delete contact from the group member list.
Add group	Add new group.

Find group	Search for group on the server (also groups no longer managed in the list).
Create group	Group ID: Enter an unambiguous group name. Name: Name of group. Topic: Topic of group. Searchable: Other people can look for the group. Welcome message: Enter own greeting. Type: Restricted or open.
Create group	Delete group.
Screen name	My name for group dialogue.
For further functions see page 59.	

Info messages

Display messages such as invitations to a group, server messages or other system messages.



Display selected message.

Or



Reply to invitation/
requests.

To reject, open **Options** menu and select **Deny**.

Saved convers.

Display permanently saved dialogues.



Display selected dialogue.

Saved dialogues can be renamed or deleted via the **Options** menu.

Voice mailbox/Mailbox



Most service providers provide a mailbox in which a caller can leave voice mail for you

- if your phone is switched off or not ready to receive,
- if you do not want to answer,
- if you are making a phone call (and if **Call waiting** page 81 is not activated).

If the voice mail service is not part of your service provider's standard package, you will need to register for it, and possibly set it manually. The following sequence may vary from service provider to service provider.

Settings



The service provider supplies you with two phone numbers:

Save mailbox number

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



Select phone number from **Contacts** or enter/change it manually.

OK

Confirm.

Save call divert number

Calls are diverted to this phone number.



→ **Call setup**
→ **Forward**



Select condition, e.g. **Unanswered**.



Confirm change, then select **Set**.



Enter phone number.

Options

Open, then select **Save**.

Listen



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



Symbol plus beep.
Or



Notification via SMS.
Or

You receive a call with an automatic announcement.

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



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

CB services



→ CB services

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

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

Receive CB



Activate/deactivate CB-service. If the CB service is activated, standby time for the phone will be reduced.

Read new CB



All new messages are displayed in chronological order.

Topic list

Add up to 10 topics to your personal list from the topics index.

Requirements: **Use Topic index** is activated and the service provider supports the function.



Activate/deactivate topic.



Display message on current topic if any received.

Displays



Topic activated/deactivated.



New messages received on the topic.



Messages already read.

New topic Add to topic list.

- If the topic index is available, select a topic from it and confirm.
- Create a new topic. Enter topic name and channel number. Open **Options** menu and select **Save**.

Auto display



Choose to display: no messages, all messages, or only all new messages.

Use Topic index



Activate/deactivate use of the topic index.

CB languages

Receive Cell Broadcast messages in just one language, in several, or in all languages.

Internet



→ Select function.

Get the latest information from the Internet that is specifically adapted to the display options of your phone. In addition, you can visit **wap.siemens.com** ("Downloads") where you can download or update games, applications, sounds, graphics and more for your phone. Internet access may require registration with the service provider.

Access to the service provider

Direct call-up of the browser with the URL from your service provider.

Download wiz.

You will not be left on your own during the download!

Enter URL

On inputting a URL the browser is started and the entered page displayed.

Bookmarks

Display URL/call up page

List bookmarks

Display list of bookmarks stored in the phone.



Select bookmark.



Call up URL.

Saving

Bookmark site

The current page is saved in the phone as a bookmark.

Bookmark options

Options Open menu.

Here you will find functions for changing and managing bookmarks and their folders. This includes editing individual entries with the corresponding URLs as well as deleting and moving them to other folders.

Internet

Calling the function opens the browser with the preset option.

Browser menu

Options Open menu.

Homepage	Call up the pre-set homepage of the current profile.
Bookmarks	<ul style="list-style-type: none"> • List bookmarks Display list of bookmarks stored in the phone. • Bookmark site The current page is saved as a bookmark.
Go to...	Enter URL to dial an Internet address directly, e.g. wap.siemens.com
Reload	Reload current page.
Show URL	Display the URL of the page currently loaded for sending via SMS/MMS/e-mail.
History	Display most recently visited Internet sites.
Disconnect	Disconnect the Internet.
File	Save the object on the current page or the complete page; display saved pages.
Settings	Set or reset browser.
Exit browser	Close the browser.

End connection



Press to clear down the connection and close the browser.

Navigation in the browser



- Select a link.
- Settings, status on/off.



- Press **briefly**: go back a level.



- One input field/link forward/back.
- Scroll one line.

Display symbols in the browser (selection)

	Connect		No network
	GPRS online		Network

Enter special characters



Select important special characters.

Your Internet browser is licensed by:



OPENWAVE™



Browser settings



Internet

Options

Open menu.

Settings

Select.

Browser	Set start option as well as handling of pictures and sounds plus send options.
Protocol parameters	Set protocol parameters, push messages and abort time as well as handling of cookies.
Security	Set encryption.
Context	Reset session; delete cache, history and cookies.

Profiles

Processing depends on the service provider (see page 78).

History

Display most recently visited Internet sites.

Saved websites

Display list of pages stored in the phone.

Settings

Profiles



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

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

General

Silent alert

Meeting

Outdoor

Car Kit

Headset

- You can name two personal profiles (<Name>).

Switching on



Select default profile or personal profile.



Activate the profile.

Changing profile settings

Edit a default profile or create a new personal profile:



Select profile.

Options

Open menu.



Change sett.

Select.

The list of available functions is displayed.

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

Additional information

- To call up the list in standby mode:
 profile list is displayed.
- The active profile is identified with .

Profile options

Options Open menu.

Activate Activate selected profile.

Change sett. Change profile settings.

Copy from Copy settings from another profile.

Rename Change personal profile (except default profiles).

Car Kit

If an original Siemens car kit is used, the profile is switched on automatically when the phone is inserted into the cradle (also see Accessories, page 127).

Headset

The profile is only switched on automatically if an original Siemens headset is used (also see Accessories, page 127).

Ringtones



Ringtones



Select function.

Volume

Set the volume for all tones.



Set the volume.



Confirm setting.

Melody settings

You can also make individual settings for the following functions:

- Calls
- Messages (SMS, MMS, CB services, E-mail, Duration)
- Organizer
- Alarm clock
- Chat room
- Games
- Shutdown tune
- Startup tune
- Open ProSlide
- Close ProSlide

or record new ones with:

- Sound recorder (page 104)

Different options are available depending on the function:

Tunes



Select a ringtone from
My stuff.

Ringer setting

- Ring** Play back the ringtone at the set volume.
- Ascend** Set ringtone to a rising volume.
- Beep** Reduce ringtone to a short beep.
- Off** Deactivate all tones for the function concerned.

Topics



→ Topics

Load a completely new visual presentation onto your phone. Various functions are reorganised on a theme basis at the press of a key, e.g.

- Animations
- Sounds
- Color skins
- Background

Theme files are compressed to save memory space. On activation, Theme packages are extracted and registered automatically. Animations, Sounds and Pictures are placed in **My stuff** in their corresponding folders.

Additional information

Existing display and ringtones settings could be overwritten.

Activating a new theme



Select theme.



Activate; if required, view **Preview**.

Display



→  → Display
→ Select function.

Note

The **Digital clock/Animations** screensaver reduce your phone's standby time.

Background

Set wallpaper graphic for the display.

Logo

Choose picture to be displayed instead of the provider logo.

Screensaver

After a specifiable time, the screen-saver shows a picture in the display. An incoming call and/or pressing any key will end the function except if the code security with the telephone code is activated.

Preview

Display the screensaver.

Style:

Choose between: **Standard**, **Digital clock**, **Analog clock**, **Picture**, **Energy saving**, **Off**.

Picture:

Select image in **My stuff**.

Timeout:

Set period after which the screensaver starts.

Code protection:

The phone code is requested to close the screensaver.

Start up anim.

Select animation to be shown when the phone is switched on.

Shutdn anim.

Select animation to be shown when phone is switched off.

Greeting

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

Large font

You can choose between two font sizes for the display.

Lighting

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



Press the navigation key repeatedly at the top/bottom to adjust up or down.

Contrast

Set contrast.



Press the navigation key repeatedly at the top/bottom to adjust up or down.

Silent alert



→ Silent alert

To avoid the disturbance caused by a ringing phone, you can activate the silent alert function as an alternative. The silent alert can be switched on in addition to the ringtone (e.g. in a noisy environment). This function is deactivated when the battery is being charged and accessories are connected (except the headset).

Silent alert



Activate/deactivate silent alert.

Play demo

The types of silent alert offered are demonstrated.


Assigning types of silent alert

Each of the following applications can be assigned their own type of silent alert:

Calls, Messages, Alarm, Chat room

Phone Pilot



→  → Phone Pilot
→ Select function.

Your **Phone Pilot** will provide you with information for many actions that you carry out with your phone. It will also remind you about appointments or birthdays.

A **Phone Pilot** is available on the phone as standard and cannot be deleted.

Activating, deactivating

Switch off You can deactivate the **Phone Pilot** function.

Default Select the included "standard figure".

If you have loaded additional figures, you can also install, activate or delete these:



Select entry.



Activate.

Install

You can download additional figures from the Internet.



Select entry from the list or from the **Inbox**.



When installing a new **Phone Pilot** you can give this its own name.



Activate.

Connectivity



EGPRS (EDGE)



Activate/deactivate
EGPRS.

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

Shown in the display:



Activated and available.



Registered.



Temporarily interrupted.

EGPRS info

Display information on connection status.

Bluetooth® (BT)

Bluetooth is a short-range radio connection by means of which a headset or car kit, for example, can be connected without the need for wires. Using the **Send/print** function in the options menu for the application concerned you can also use this route to send data.

With SAP (SIM Access Profile) a car phone GSM module can, for example, use the access data from the SIM card on your phone. There is no need to swap the SIM card. It is possible that SAP might not be supported by your service provider.

Each Bluetooth device has its own specific address and can be given a self-explanatory name as an option. Password protection ensures the security of a Bluetooth connection, as does including the BT partner in a list as a "trusted" device.

To establish a Bluetooth connection between your phone and other Bluetooth devices you must activate Bluetooth.

The Bluetooth® word mark and logos are owned by Bluetooth SIG, Inc. and any use of such marks by Siemens is under licence. Other trademarks and trade names are those of their respective owners. Bluetooth QDID (Qualified Design ID): B02422



Activate/deactivate Bluetooth.

If Bluetooth is activated, standby time for the phone will be reduced.

Shown in the display



Bluetooth activated.



Bluetooth visible to others.



Bluetooth during data transmission.



Call accepted on Bluetooth device.

B-tooth setup



Bluetooth activation.

My BT name: You can give the phone a name when you activate Bluetooth for the first time.

Search

The search can be global or just for certain BT devices specified in the options menu.



Open selection.

Specify which BT devices are to be searched for:

All	All BT devices
Audio	E.g. headset, Car Kit
Phone	Other BT phones
PC	Personal computer with BT connection



Start search.

The number and name of the most recently found BT device are displayed.



The search is ended and the first 10 devices found are shown in a list.

Repeat Start new search.



Scroll to the required entry.



Dial the device and start the procedure for acceptance as a "trusted" device in the list of known devices. To do this, enter the password for the other device. If the list is full it is not possible to add another device.

Device list

- Known devices

To make selection easier, frequent BT partners can be recorded in the known device list. If entries are "trusted", no password query is made.

- Last connected

List of most recently and/or still connected devices.

- Reject list

Attempts to make connections to devices in this list are rejected.

- Last srch result

List of the last devices found.

Lists options

Different functions are offered depending on the list.

Options Open menu.

Search/Retry	Search for BT devices or repeat search.
Use as audio	If not possible automatically, specify device as an "audio" device.
Higher priority	Move entry up the list so that, for example, a specific audio device is used first.
Lower priority	Move entry down the list.
to reject list	Move entry to the reject list.
to known list	Move entry to the list of known devices.
(For standard functions see page 22)	

My BT name

The phone is given a name (max. 20 characters) – this is the name the partner sees. If no name is given, the phone uses the non-changeable device address.

Information about the BT hardware also cannot be modified.

Visib.to others

Make settings to specify how your phone should "act" when in contact with other BT devices. This means (if "visible"), for example, that the device address or the BT name of your phone is shown to other BT devices if they request this in order to receive or send data.

• Not visible

Your phone is not "visible" to other BT devices. Known devices such as the Bluetooth Headset / Car Kit continue operating.

• Auto mode

Your phone is "visible" to other BT devices for five minutes. You will then be asked if "visibility" should continue.

• Always visible

Your phone is always "visible" to other BT devices. These devices can create a connection to your phone and be added to the known device list if necessary.

BT aud. stream

When a Bluetooth headset is used, all audio signals are transmitted to this exclusively.

Online settings

Default setting and activation of the connection profiles for data transmission.

The phone default setting varies from service provider to service provider:

- The settings have already been implemented by the service provider. You can start immediately.
- Access profiles have already been created by your service provider. Then select profile and activate.
- The access profiles must be configured manually. In this case, you will receive the necessary data from the service provider or visit:
www.siemens.com/mobilephonescustomercare

Selecting profile



Select the profile.



Confirm selection.

Fax/data

Send voice/fax



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

Rcve fax/data



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

The call is signalled by a special ring-tone and the type of call (fax or data) is displayed. Now start the communication program in your PC to receive the fax/data.

Shortcuts



Short. Softkeys

You can assign a function to the right soft keys.

Editing



Select key.



Call up the edit function.



Scroll to new assignment in the list.



Confirm.

Additional information

The service provider may have already assigned functions to all the keys (e.g. access to "SIM services" or direct call-up of the Internet portal). It may not be possible to modify this key assignment.

Application

The "Internet" is just used as an example here.

Internet

Press and **hold**; the application is started.

Navigation keys

The navigation key can be assigned a function for three directions (only effective in standby mode). The downwards movement is assigned to opening contacts and cannot be modified.



Select the desired direction.



Call up the edit function.



Choose application from the list.



Confirm selection.

Number keys

Number keys 2 to 9 can be used as speed dialling numbers for fast access to functions.

Number key 1 is reserved for the mailbox phone number (page 63).

Assigning numbers or functions



Select the key.



Call up the edit function.



Choose application from the list.



Confirm selection.

Apply

Start a stored application (e.g. **Internet**).

In standby mode:



Press **briefly**.

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



Press and **hold**.

Or simply



press and **hold**.

Show features

Show the functions set for the number keys.


Key tones

Set the type of acoustic key acknowledgement.

Tune, Tone, Silent

Call settings



→  → Call settings
→ Select function.

Hide ID



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

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

Call waiting



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

Forward

Select the condition under which calls should be diverted to your mailbox or another phone number. To set diversion:



Select condition, e.g. **Unanswered**.



Confirm change, then select **Set**.



Enter phone number.



Open, then select **Save**.

All calls

All calls are diverted.



Symbol in the top line of display in standby mode.

Unanswered



Includes the conditions **Not reachable**, **No reply**, **Busy**, see below.

Not reachable

Divert occurs if phone is switched off or is out of range.

No reply

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

Busy

Divert occurs if a call is in progress. If **Call waiting** is activated, you will hear the call waiting tone during a call.

Receiving fax



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

Receiving data



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

Status check

You can check the current divert status for all conditions. After a short pause, the current situation is transmitted by the network and displayed.

82 Settings

Clear all



All set diverss are cleared.

Additional information

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

Reactivating divert

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

Minute beep


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

Alert calls from




Only calls from phone numbers that are in Contacts or on the SIM card or assigned to a group are signalled audibly. Other calls are only displayed.

Any key

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

Phone setup




→  → Phone setup
→ Select function.

Language

Display language

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

If a language that you do not understand happens to be set, the phone can be reset to the language of your home service provider with the following input (in standby mode):

***#0000#** 

Input language

Select the language for text input. Languages supported by T9 are marked with the **T9** symbol.

User dictionary

T9 import

Load database for T9 support for the current language.

T9 export

Save database for T9 support for the current language to **My stuff**.

Key tones

Set the type of acoustic key acknowledgement.

Tune, Tone, Silent

Info tones

Set service and alarm tones:

On/off Activate/deactivate tones.

Extended If switched on, a wider range of service tones is available, e.g.: end of menu, network connection interrupted.

Automatic switch off

The phone switches off each day at the set time.

Switching on

Set Select.



Enter time
(24-hour-clock).

Save Save.

Switching off

Switch off Select.



Confirm.

File system

Format

(Phone-code protected)

The phone memory is formatted and **all** saved data such as ringtones, pictures, games, etc. is deleted. Formatting may take longer than 1 minute.

License mgr.

The licensed data or applications can be displayed and managed (see also DRM, page 20).

Phone identity

ID no.

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

About phone

Product name, production date, software version.

CC Monitor

Call center monitor.

Device test

A self-test as well as individual tests are offered. If you select **Self test**, all individual tests are carried out.

Software version

Display the software version for your phone in standby mode:

*** # 0 6 #** press, then .

Memory assis.

The memory assistant will help you if there is insufficient phone memory. If required it can also be started automatically from applications.

After their capacities have been checked, all files and folders are displayed along with their size and may be viewed/opened and, if necessary, deleted.

Device manag.

The device manager can be used, for example, to transfer configuration data from the service provider via WAP push (page 57).

The phone default setting varies from service provider to service provider:

- The settings have already been implemented by the service provider. You can start immediately.
- Access profiles have already been created by your service provider. Then select profile and activate.
- The access profiles must be configured manually. If necessary, contact your service provider. You will also find the current settings for the service provider on the Internet at www.siemens.com/mobilephonescustomercare under "FAQ".

Active access



Select function.



Start Establish a connection to the active profile.

- Profile active

After the data has been transferred:



Confirm.

- No profile active

The list of profiles is chosen for you to choose from.



Select profile.



Activate the profile.

Or



Open menu, then select **Edit** and make entries.

Last connection




The data for the last connection is displayed.

Fact. settings

The phone is reset to the default values (factory setting). This does not affect SIM card and network settings or data saved during Instant Messaging.

Alternatively, in standby mode enter:

***#9999#** 

Clock



→ → Clock
→ Select function.

Time/date

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



Start editing.



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

Additional information



Display the calendar to select the date.

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

Time format

Select 24h or 12h.

Date format

Select the display format for the date.

Start of week

Select the weekday on which the monthly and weekly view on the left starts.

Buddhist date



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

Show clock

Activate/deactivate time display in standby mode.

Auto time



Time and time zone are set automatically. The time zone is detected automatically.

Time zones

The time zone can be selected in the world map or a city list:

World map



Select the desired time zone.

City list



Select a city in the selected time zone.

or

Options

Open menu and select Search city.

Security



Auto key lock

The keypad is locked automatically if no key has been pressed for a specific (pre-determinable) time. This prevents the phone from being used accidentally. However, you can still receive calls and make an emergency call.



Select **Set**.



Enter time in minutes and seconds after which the keypad lock is to be activated.

ProSlide lock

Enable/disable automatic keylock when closing the slider. The keys are always unlocked automatically when opening the slider.

Additional information

The keypad can also be locked and unlocked directly in standby mode.

In each case:



Press and **hold**.

Direct call

(Phone-code protected)

Only **one** phone number can be dialled (page 33).

Only



(PIN2 or phone-code protected)

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

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

This SIM only



(PIN2 or phone-code protected)

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

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

PIN code

For description, see page 18:

PIN control, Change PIN, Change PIN2, Chg.phonecode

Call blocking



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

All outgoing

All outgoing calls except emergency numbers are barred.

Outgoing intl. (Outgoing international)

Only national calls can be made.

Out.int.x home (International outgoing without home country)

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

All incoming

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

When roaming

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

Status check

Status check for network barrings.

Clear all

All barrings are deleted. A password which the service provider will give you is necessary for this function.

Network



→ → Network
→ Select function.

Line



This function is only displayed if it is supported by the service provider.

Two separate phone numbers must be registered on the phone.

Select line



Change the connection.



Display the current phone number.

Protected

(Phone-code protected)

You may limit usage to one phone number.

Additional information

Special settings may be made for each phone number (e.g. ringtones, call diversion etc.). To do this, first switch to the required phone number.

Network info

The list of GSM networks currently available is displayed.



Indicates forbidden service providers (depending on SIM card).

Choose network

Network search takes place again if, for example, you **leave** your home network or want to register on a **different** network. The search can take place in **Manual** (see **Network info**) or **Automatic** mode (see also **Preferred net**).

Preferred net

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

The current service provider is displayed.



Show list of preferred networks.

<Empty> Select.



Confirm change, then select a new service provider from the list.

Record service provider again (last entry in the list):

Furth.network

Select, enter the provider data and save it.

Additional information

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

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

Band selection



Let it set automatically or select either GSM 900, GSM 1800, or GSM 1900. Make sure that your service provider also supports the selected band.

Fast search

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

User group



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

Active

Activate/deactivate function. "User group" must be deactivated for normal phone use.

Select group

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

All outgoing

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

Pref. group

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

Accessories



→ → Accessories
→ Select function.

Car Kit

Only in combination with an original Siemens handsfree car kit (see Accessories). The car kit profile is activated automatically when the phone is inserted into the cradle.

Edit profile

See page 69.

Auto answer

(Factory default: off)

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

Or

Answer by removing from the cradle (do not use while driving).

Auto answer

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

Automatic switch off

(Factory default: 2 hours)

The phone is powered by the car's power supply. You can adjust the time between switching off the ignition and the time at which the phone switches off automatically.

Car loudspk.

Improves playback in certain circumstances.

Automatic settings

- Permanent illumination: activated.
- Auto key lock: deactivated.
- Charging the phone battery.
- Automatic activation of the Car Kit profile when the phone is inserted in the cradle.

Car Kit keys

Key assignment when working together with Car Kit Comfort Basic.

Headset

Only in conjunction with an original Siemens headset (see Accessories). If an original Siemens headset is used the profile is automatically activated when the headset is plugged in.

Edit profile

See page 69.

Auto answer

(Factory default: off)

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

Automatic setting

Accept call with Call key or Call acceptance key, even when the auto key lock is activated.

Upload via USB

If the phone is connected with the data cable to a PC, the battery can also be charged in this way (only with original Siemens accessories, page 127).

Organizer

Calendar



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

The calendar offers you three views:

Monthly view

Special appointments are highlighted in colour.



Press **briefly** to go forward/back a week.

Press and **hold** to go forward/back a month.



Press **briefly** to go forward/back a day.



Open daily view.

Weekly view

Appointments are shown as a colour bar on the vertical hour division. Conflicting appointments are highlighted in colour.



Press **briefly** to go forward/back a day.

Press and **hold** to go forward/back a week.



Forward/backward by the hour through the day.



Open daily view.

Daily view

Description of appointment.



One day forward/back.



Scroll by the hour or to next/last entry.



Display current entry.

Calend. setup

Options Open menu, then select **Calend. setup**.

Start of day:

Time when the working day begins.

Start of week:

Weekday on which the monthly and weekly view on the left starts.

Weekend

Set the days for the weekend.

Show birthdays:

Yes/No.

Appointments



→ → Appointments

Appointments are displayed in chronological order in a list.

Enter new appointment

<New entry>

Select.

Category:



Memo

Text input for description.



Voice memo

Create a voice memo.
Shown with alarm.



Call

Enter phone number to be displayed with the alarm.



Meeting

Text input for description.



Vacation

Enter start and end date.



Birthday

Enter name and date.

Different input/selection fields are displayed depending on the type. The number of fields can be restricted, see **Default** at the end of the list.

Description:

Description of nature of appointment.

Phone number:

Enter a phone number or select one from Contacts.

Voice memo:

Enter a voice recording, see **Dictat.machine**, page 97.

Location:

Location of appointment.

Whole day:

Day-long appointment: yes/no.

Start date:

Date when appointment begins.

Start time:

Time when appointment starts.

End date:

Date when appointment ends.

End time:

Time when appointment ends.

Additional information



Insert date from calendar.

Alarm:

On/off or Silent alert.



Enter the period of time **before** the appointment and select the time unit:

Minutes, Hours, Days

Recurrence:

Select a timeframe for repeating the appointment:

No, Daily, Weekly, Monthly, Yearly

Enter a parameter for repeating:

Forever, Until, Events (number)

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

All fields/Fewer fields

In the list, select those fields which are to be offered for future entries.

Options Open menu.

Save Save appointment.

Information on the alarm

When the set date and time are reached there is an audio and a visual alarm.

Alarm type **Birthday**:

You can send special birthday greetings by SMS, MMS, e-mail or a call via **Options**. The alarm sounds one day before the birthday.

Use **Pause** to set the alarm to repeat.

Additional information

Display above set alarms:



Alarm clock



Appointment

An alarm sounds even when the phone is switched off. The phone does not go to standby mode. To deactivate it press any key.

Tasks



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

The entries are made in the same way as **Appointments** (see "Appointments"). Then:

Status:

Select **Done** or **Outstanding**.

Priority:

Select 5 levels from
Lowest to Highest.

Date used:

If activated with **Yes**, the following time input option is offered.

Date due:/Due time:

Enter the date and time by which the task is to be completed.

Alarm:

As for **Appointments**.

Save Save task.

Notes



Write and manage brief text notes. Protect confidential information with the phone code (do not save any important data or the PIN for credit cards etc. here).

Entering a new note

<New entry>

Write a normal note.

<Confidential>

Write a protected note (phone code).



Enter text. The first line is displayed later as a "title" in the notes list.



Save.

Organiser options

Depending on the application used (Calendar, Appointments, Tasks, Notes) and the current situation, different functions are offered.

Options Open menu.

Delete by	Delete all entries prior to a certain date.
Delete done	Delete all completed tasks.
Activate/Deactivate	Switch alarm on/off.
Done	Set task to completed/in progress.

(For standard functions see page 22)

Dictat.machine



Use the dictating machine to record short voice memos.

- Use your phone as a dictating machine when on the move.
- Record a memo as a reminder or as a note for others.
- Add a voice memo to an appointment in the calendar.
- Record a call.

Warning!

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.

New recording

Record new

Select. The remaining time available, as well as the recording time, are shown in the display.



A brief beep sounds when the recording starts. Now dictate the text.



Switch between pause/record.



End recording.

Recording is saved with the prefix 'voice' and a consecutively number. Rename with **Options**.

Playback (via Media player)



Select the desired recording.



Switch between playback/pause.



Press and hold for fast forward and rewind.

Dictating machine options



Open menu.

Play	Play back current recording.
Loudspeaker	Playback through the built-in loudspeaker.
Settings	Set recording quality: Low, Medium, High
(For standard functions see page 22)	

Time zones



→ Time zones

The time zone can be selected in the world map or a city list:

World map



Select the desired time zone.

City list



Select a city in the selected time zone.

Or



Open menu and select **Search city**.



Set time zone.

Remote synchronisation



→ Remote sync.

You can use this function remotely to synchronise the personal data on your phone (contacts, notes, calendar entries) with externally saved data. The external data can, for example, be saved on a company computer or the Internet e.g.:

www.siemens-mobile.com/syncml

A request to synchronise data can also be sent via WAP push (page 57). The user, however, must agree to the start.

Settings and functions



Select the desired function.



Display.

Active account

Two profiles can be set for synchronisation.



Select profile.



Activate the profile.

Set profile:



Display menu for changing.

Server sett.

Homepage:	e.g. www.siemens-mobile.com/syncml
Port:	Enter port number, e.g. 80.
Login:	Enter user name (login name).
Password:	Enter password (shown as a series of asterisks).
Server ID:	Default ID/Enter server address.
Contacts path:, Appointments path:, Notes path:, Tasks path:	

Last sync:

Display the time of the last synchronisation.

Sync data:

Modified data or All data

Sync instruction:

Two-way, Device update or Server update

Date range

Limit the time for the synchronisation of appointments in days/weeks.

Contacts, Appointments, Tasks, Notes

Highlight application(s) whose data is to be synchronised.

Synchronisation

Before synchronisation you must select a profile (**Active account**) and a data area (**Sync items:**) and enter the correct path to the data (**Server sett.**).

Confidential notes are not transferred.

- Sync**
- The computer is selected and synchronisation started.

When synchronisation has been carried out successfully, the actions that have been performed are displayed on several tabs.

Extras

SIM services (optional)



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

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



Symbol for SIM services.

Where there are several applications, these are displayed in a SIM services menu. With the SIM services menu, your phone is ready to support future additions in your service provider's user package. For further information, please contact your service provider.

My applications

To help you organise the applications you download from the Internet you can use the **My applications** folder in **My stuff**.

For further information, see page 114.

Calculator



The calculator is offered in a basic version and with an advanced range of functions.

The input line is in the middle of the display with two calculation lines above it.

Beneath it is the matrix with the calculation functions.



Enter digit(s).



Navigate to functions in the matrix.



Accept function.



Enter digit(s).



Apply function. The result is calculated and displayed immediately.

Basic functions	
+, -, *, /	Basic calculation types
=	Result
1/x	Reversion
%	Convert to percentage
.	Decimal point
±	Sign change "+" / "-"
AC	New calculation
Extended functions:	
Options	Open menu, then select Extended mode.
\sqrt{x}	Square root
x^2	Square
e	Exponent
MS	Save displayed number
MR	Call up saved number
M+	Insert number from memory

Calculator options

Options	Open menu.
Convert	Call up the current result in the unit converter.
Clear all	Delete all units.
Memory save, Memory recall, Memory clear	Save or recall result; delete memory.
Extended mode/ Basic mode	Switch calculator functionality.
(For standard functions see page 22)	

Unit converter



You can convert various measurement units in the decimal system into other measurement units.

Velocity	Energy
Mass	Pressure
Time	Volume
Area	Length
Power	Temperature
Currency	

Example for **Velocity** units:

Type	Units
Velocity	Kilometers/h, Meters/sec, Miles/h, Miles/sec, Knots, Mach

Converting the units/currency

- Select the source unit/ currency.
- Switch to the input field.
- Enter the quantity to be converted.
- Switch to the selection field.
- Select the target measurement unit/currency. The result is displayed.

You can use both input fields alternately.

Special key functions:



Set the decimal point.



Change the preceding sign.

Currency

When you call up the function for the first time, you must enter currencies into which the conversions are to be made.



Enter the name of the currency (e.g. Euro).

Options

Open menu and save the entry with **Save**.

Now enter the names and exchange rates of up to three additional currencies for conversion.

Options

Open menu.

Sign change	Change the preceding sign.
Memory save, Memory recall	Save or recall result.
Edit rate	Change the exchange rate for the base currency.
Add currency	Enter new currency and exchange rate.
Set as base	Use current currency as base currency.
Calculator	Start calculator.
(For standard functions see page 22)	

Online status



The application can be called up from various other applications, such as **Chat room** or from **Contacts**.

In **Online status** you can set such attributes as "Availability" or "Mood", which are visible to subscribers to **Chat room**. You can also edit your status lists for the respective service here.

Depending on the service provider and available services, five tabs are offered.

Online status

For instant message:

Available, Busy, Not available

Indicate whether you can be reached in the respective service.

Options

Select **Private area**. Depending on the choice between **Public**, **Private** or **Hide** the following attributes can be seen by all subscribers, only by members of the **Private list** or by no-one.

My alias: Enter your personal nickname.

My text: Enter your personal information text (access to saved texts via **Options**).

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My logo: Select your personal logo (start via **Options** My stuff or Camera).

My mood: Indicate your personal mood.

MSG lists



(Instant Messaging lists)

Access to the following lists:

Pend. requests

Display the current requests for your personal attributes.

Watcher list

Display who is watching your attributes.

Private list

Display subscribers who can see all attributes set to **Private**.

IM block list

Display all subscribers who can see no attributes and are blocked for Chat room.

Info messages

List the messages sent by the service provider.

Settings

The dependence of **Online status** settings on those of the current profile (page 68) can be activated/deactivated.

Sound recorder



→ → Sound recorder

Use the sound recorder to record noises and tones for use as ring-tones. The sound recorder is usually started from other applications/functions such as assigning a ringtone.

New recording

New entry Select.

The remaining time available, as well as the recording time, are shown in the display.



A brief beep sounds when the recording starts.



Switch between pause/record.



The recording is ended and saved with the prefix 'sound' and a consecutively number in **My stuff/Sounds**.

Start the recording from **Sound recorder**:



Play back.
Rename the recording via **Options**.

Start the recording from another application:



Back to application.

Playback (via Media player)



Select the desired recording.



Switch between playback/pause.



Press and **hold** for fast forward and rewind.

Options

Open menu.

Play	Play back current recording.
Set as...	Set the recording as a ringtone.
→ contact	Assign recorded sounds to a contact.
Settings	Set recording quality: Low, Medium, High
(For standard functions see page 22)	

Stopwatch



→ Stopwatch

The stopwatch can work with lap times and intermediate times.

With **Lap timing**, each time a time is taken the stopwatch returns to zero.

With **Split timing**, the clock continues to run and the respective intermediate time is stored (max. 99).

Display, also in standby mode.



Start, stop or continue, depending on the situation.

Lap / Split

Store the current intermediate/lap time.

Stopwatch options

Options

Open menu.

Start	Start the stopwatch.
Next	Continue to take an intermediate time.
Reset	Reset to zero.
Stopwatch list	Display saved entries.
Lap timing/ Split timing	Switch mode.
(For standard functions see page 22)	

Countdown



→ Countdown

A set time elapses. The last 4 seconds are indicated by a beep. At the end a special beep sounds. Display, also in standby mode.



Enter period of time

Or



select standard timing.



Start countdown.

Standard timings

It is possible to call up or set five timings with different countdown times.



Select standard timing.

Change

Open input field.



Enter name, then period of time.

Save

Save entries.

Additional information

For **Stopwatch** and **Countdown**:

Stop

ends the function prematurely.

Exit or



end only the display, **not** the function.

Date calculator

Calculate the period between two specified dates.



From: enter date, then
until: enter date.

Calc.

Start calculation.



Edit output units.



Select previous/next value.

My menu

Create your own menu with frequently used functions, phone numbers or Internet pages.

The list of 20 entries is preset. You can, however, change it as you wish.

Using



Select the required entry.



Confirm.

Or



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

Change menu

You can replace each entry (1–10) with another entry from the selection list.



Select the required entry.



The function list is opened for selection.



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



Confirm. The entry is saved.

If Phonebook

is selected, the phone number must also be selected; if **Internet** is selected, the bookmark must also be selected.

Conversa. hist.

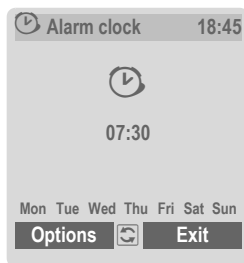
Read all dialogues from the last session offline (deleted next time you log in).

Alarm clock



The alarm sounds at the set time even when the ringtones or the phone are switched off. The alarm clock is activated automatically after a change is made.

An alarm is ended by pressing any number key.



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

Or



Activate/deactivate the alarm clock.

Setting the days for an alarm

Options Open the menu and select **Set days**.



Switch between the days of the week.



Mark or unmark the days for an alarm.

Save Save the alarm call time.

Alarm clock options

Options Open menu.

Change	Set the alarm call time. Switch between am and pm if 12 hour mode set.
Set days	Set the days for an alarm.
Ringtones	Set ringtone.
Clock	Set time (page 86).
Auto snooze	If user does not react: snooze only or deactivate alarm.

(For standard functions see page 22)

Additional information



Screen display in standby mode:
alarm clock activated.

Use **Pause** to set the current alarm to repeat.

Media player

Starting from an application

When you are viewing a picture/video or listening to a melody, the application starts a media playback.

Direct key for the media player



Press key.

Or



Arranging files

After the media player starts the following tabs are displayed:

Music

All AAC, AAC+, AAC++ and MP3 files are displayed.

AAC and MP3 files stored in the phone are automatically shown in a list in the Music tab. This list can be arranged according to the meta data (ID3 tags) according to album, artist, genre or title.

Play list

All playlists (file format: *.m3u) are displayed.

Pictures

All supported picture formats are displayed.

Videos

All supported video formats are displayed.

Music/Videos

Functions for playing back songs or videos.



Play or pause, depending on the situation.



Fast forward/rewind while key is pressed.



Load next/previous media file.



Switch to full screen mode and back again (only for video).



Set the volume with the plus/minus keys.



Switch to mute and off mute.



End playback.

For further services, see **Options** page 110.

Play list

Several pieces of music are compiled in a playlist (*.m3u).




Options Open menu, select **New** and then **Play list**.

Edit playlist options

Options Open menu.

Add track	Add a piece of music.
Remove track	Remove a piece of music.
Move track	Move piece of music up/down with the navigation key.

Centre key functions

	Play, play back
	Pause
	Stop

In the simplest case, the playlists are created on a PC and transferred, together with the songs, via the Mobile Phone Manager (see page 24 and page 115) into the Sounds directory in **My stuff**.

Pictures

Zoom functions for a displayed picture.



Zoom function if the displayed picture has a higher resolution than the display. The two soft keys (+/-) enlarge/reduce the picture.



The enlarged picture detail is moved using the navigation key.



Centre picture.

For further services, see **Options** page 110.

Media player options

Options Open menu.

Different functions are offered depending on the starting situation and the object.

Play/Pause	Play back the current media file or pause.
Open	Select the media source such as My stuff , Bookmarks or URL .
New	Select an application to create a new object or a new playlist for music.
Zoom	Activate zoom mode.

Set as...	Set picture as Back-ground , Logo , for example, and sounds, for example, for Incoming call , Startup tune .
→ contact	Assign a picture or melody to a contact.
Edit playlist	Edit a playlist (page 110).
Play mode	<ul style="list-style-type: none"> • Single track (individual piece of music) • Repeat track • Play all (tracks) • Repeat all (tracks) • Repeat playlist • Intros (the first 5 seconds of each track are played).
Slideshow	Automatic run-through in full screen mode. Change individual picture with navigation key.
Edit	Access to picture editing (application must be loaded).
To back-ground	Put Media player into the background.
Full screen	Full screen display of a picture/video.
(For standard functions see page 22)	

Incoming call

An incoming call pauses the playback and puts the media player into the background. After the call has ended the playback continues automatically.

Playback in the background

You can put the media player in the background in order to work with other applications. Playback, e.g. of songs, continues.



Press key repeatedly to switch: foreground or background operation.

My stuff

To organise your files, you can use the file system like a PC file manager. There are separate folders for the various data types in **My stuff**.



The list of the folders and files is displayed.



Select file or folder.



Open folder and select file or link.

Depending on the selection, the file with the associated application is opened or the download started.

Download

Melodies, pictures, games and other applications are offered on the Internet. Once downloaded, you can access these via the phone. Most applications include instructions. To download e.g. new pictures, sounds, the appropriate folders contain the download function.

Remember that pictures and sounds may be protected (DRM, page 20).

Some applications and games are already pre-installed on your phone.

Downloading can, if necessary, take place in two stages:

Description file only



The description file is loaded for information purposes only. The application/game itself must be loaded separately.

or complete download



The application/game is completely loaded (the asterisk icon may be replaced by an application/game icon).

My stuff options

Different functions are offered depending on the starting situation and the object.

Options Open menu.

New folder	Create a new folder and name it.
Attributes	Display information on file or folder selected.
Move/Copy	Select file(s) or folder, then select destination folder and insert with <input checked="" type="checkbox"/> .
License mgr.	Handling of DRM rights.
(For standard functions see page 22)	

Additional information

You can use the browser to download applications (e.g. ringtones, games, pictures, animations) from the Internet.

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 buyer bears the sole risk for loss, damage or faults to the phone or application as well as all damage and implications arising from the application. For technical reasons, such applications or the retrospective release for certain functions may be lost if the phone is exchanged/re-delivered or repaired. In such cases, the buyer is required to download or release the application again. Please ensure that your phone has Digital Rights Management (DRM) so that downloaded applications are protected from unauthorised reproduction. These applications are then exclusively intended for your phone and cannot be transferred from this even to create a backup. Siemens does not warrant, guarantee or accept any liability for the customer's ability to download or enable applications again or to do so free of charge. We recommend that you carry out a backup from time to time of the applications on your PC using the "Mobile Phone Manager" (MPM, page 115). You will find this on the supplied CD-ROM. You can download the relevant latest version of the MPM from the Internet at: www.siemens.com/si75.

Directory structure

Separate folders have already been created for different data types in **My stuff**. These folders cannot be changed.

Other	Text modules	tmo
	Voice recordings	vmo
	Internet pages	html wml

Folder	Description The structure, names and contents can vary, depending on the service provider	Format
Sounds	Music, ringtones	mp3 aac aac+ aac++ m3u mid amr wav
Pictures	Pictures	bmp bmx jpg jpeg png gif
Videos	Videos	3gp
Topics	Theme packages	sdt
Phone Pilot	Selection of a character	sda
Games	Java archive	jar
	Download info	jad
Applications	Applications, such as Photo Editor or Download Assistant	*

Depending on the service provider, the structure, folder names, content and range of functions in **My stuff** may vary.

Mobile Phone Manager

The MPM (Mobile Phone Manager) enables you to use extended phone functions from your PC. The phone and PC communicate via a data cable (see Accessories, page 127) or Bluetooth.



You can download the latest version of the MPM software from the Internet at:

www.siemens.com/sl75

Organizer



You can use the Organizer to manage the contacts and appointments you have stored in your phone and synchronize them between your phone, Outlook® and other Siemens phones (including Gigaset). You can use all Call Control functions from the Organizer.

Call Control

You can dial straight from the Organizer on a mouse click. It also makes establishing and managing conference calls extremely easy – the parties to the call are displayed on-screen in a virtual conference room, allowing you to swap effortlessly between the conference call and a private call and to call and add new subscribers on a mouse click.

SMS and EMS management



Write EMS and SMS messages from the convenience of your PC. Use all the options your PC offers you and use your sounds and pictures to create SMS and EMS messages. You can read, forward, print, delete and archive your messages.

Backup and Restore



With the back-up function, you can regularly make a back-up copy of your phone data on the PC. If you ever lose the data on your phone, or replace the phone, you can quickly reinstate all data with the restore function. Please observe any possible restrictions for DRM-protected data.

Bookmark Management



Use your PC to browse on the Internet and define your preferred Internet sites. Save the Internet addresses as bookmarks on your phone so that you can quickly call them up at a later time when you are on the move.

Phone explorer



You can access the data in your phone quickly and easily with the Phone Explorer. The phone is simply integrated in the data structure of your PC and handled exactly as if it was another folder on your PC.

Mobile Modem Assistant



The Mobile Modem Assistant quickly and easily establishes an Internet connection via your mobile phone enabling you to use your PC at home or when travelling to surf the Internet.

Picture and Photo Processing



Picture/photo processing offers you the opportunity to conveniently create, edit and manage pictures and photos. Filters and effects are offered to help you create colourful, attractive graphics. The user-friendly interface makes child's play of transferring pictures/photos from or to the mobile phone, and of changing the graphic settings.

Media Pool



Media Pool offers you a convenient option for managing ringtones, music, playlists and videos. You can store your music files in your phone automatically converting them into a suitable format.

Plug & Sync



Plug & Sync carries out your routine tasks for you as you wish. With "Music > phone" you can always copy your latest tracks and playlists automatically to your phone. With "Photos > PC" you can transfer your newly taken photos to your PC.

SmartSync



With SmartSync you can always synchronize your data with Outlook®, OutlookExpress® or Lotus Notes™ as soon as the phone is connected to a PC. New and changed contacts are synchronized in just the same way as messages and appointments.

Notifier

If your phone is connected to a PC you will always be notified on the PC screen, if required, about incoming calls or messages – even when the phone is switched to mute.

Questions & Answers

If you have any questions about using your phone, visit us anytime at **www.siemens.com/mobilephonescustomercare**. For additional help, we have listed below some frequently asked questions and answers.


Configuration service

To help you set up your mobile phone for the data service WAP, MMS, e-mail and Internet, you can use a configuration service. This service is used to have the necessary settings for your mobile phone sent to you by SMS. We recommend that you contact your network provider who will send you the configuration messages.




As an alternative you can also use the "Setting Configurator" at **www.siemens.com/mobilephonescustomercare**. Siemens will then send you the configuration messages. Please follow the instructions contained in those messages.

Problem	Poss. causes	Possible solution
Phone cannot be switched on.	On/Off key not pressed long enough.	Press On/Off key for at least 2 seconds.
	Flat battery.	Charge battery. Check charging indicator in the display.
	Battery contacts dirty. See also below under "Charging error".	Clean contacts.
Standby time is too short.	Frequent use of organiser and games.	Restrict use if applicable.
	Fast search activated.	Deactivate speed search (page 90).
	Display illumination switched on.	Switch off display illumination (page 72).
	Unintentional keystrokes (illumination!).	Switch on Auto key lock (page 87).

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Problem	Poss. causes	Possible solution
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.
	Temperature out of range: 5°C to 45°C (41°F to 113°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 telephone connection socket, clean them if necessary, then insert battery again.
	No mains voltage.	Use different mains power socket, check mains voltage.
	Wrong charger. Battery faulty.	Only use original Siemens accessories. Replace battery.
SIM error.	SIM card not inserted correctly.	Check that the SIM card is inserted correctly (page 15).
	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. Have service provider change the SIM card.
No network connection.	Weak signal.	Move higher, to a window or an open space.
	Outside the GSM range.	Check service provider's coverage area.
	Invalid SIM card.	Complain to the service provider.
	New network not authorised.	Try manual selection or select a different net- work (page 89).
	Network call barring is set. Network overloaded.	Check network barrings (page 88). Try again later.
Phone loses network.	Signal too weak.	Reconnection to another service provider is au- tomatic (page 89). Switching phone off and on again can speed this up.
Calls not possible.	Second line set.	Set line 1  (page 90).
	New SIM card inserted.	Check for new barrings.
	Charge limit reached.	Reset limit with PIN2 (page 41).
	Credit used up.	Load credit.
Some calls not possible.	Call restrictions are in place.	Barrings can be set by service provider. Check barrings (page 88).

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Problem	Poss. causes	Possible solution
Impossible to make entries in Phonebook/Addressbook.	Phonebook/Addressbook is full.	Delete entries in the Addressbook/Phonebook (see Standard functions, page 22).
Voice mailbox not functioning.	Call divert to mailbox not set.	Set call divert to mailbox (page 63).
 flashes.	SMS memory is full.	Delete SMS messages (see Standard functions, page 22) or archive them (page 49).
 flashes.	MMS memory is full.	Delete MMS messages (see standard functions, page 22).
 flashes.	Phone memory full.	Delete messages, pictures, videos, games or applications.
Function cannot be set.	Not supported by service provider or registration required.	Contact your service provider.
Capacity problems with, for example, Games & More, ringtones, pictures, videos, SMS archive.	Phone memory full.	Delete files in the relevant areas. You can use the memory assistant to delete specific files (page 84).
No Internet access, downloading not possible.	Profile not activated, profile settings wrong/incomplete.	Activate or set browser profile. If necessary consult your service provider.
Message cannot be sent.	Service provider does not support this service.	Check with your service provider.
	Phone number for service centre not set or incorrectly set.	Set service centre (page 50).
	SIM card contract does not support this service.	Contact your service provider.
	Service centre too busy.	Repeat message.
EMS pictures are not displayed on the destination phone.	Recipient does not have a compatible phone.	Check.
	Destination phone does not support the EMS standard.	
No Internet access possible.	Incorrect browser profile set, or wrong or incomplete settings.	Check browser settings; contact your service provider if necessary.

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Problem	Poss. causes	Possible solution
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, contact your service provider.
Phone code error.	Three wrong entries.	Contact Siemens Service (page 122).
Service provider code error.	No authorisation 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.
	No authorisation for this service.	Contact your service provider.
Charge meter does not work.	Charge pulse is not being transmitted.	Contact your service provider.
Damage		
Severe shock.	Remove battery and SIM and re-insert them. Do not dismantle the phone!	
Phone became wet.	Remove battery and SIM. Dry immediately with a cloth, but do not apply heat. Dry connector contacts thoroughly. Stand mobile upright in an air current. Do not dismantle the phone!	

Reset settings to the factory default, page 85: * # 9 9 9 9 # 


Customer Care

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

Our online support on the Internet:

**www.siemens.com/
mobilephonescustomer care**

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

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

You will also find the most frequently asked questions and answers in the section entitled "Questions & Answers" in this user guide on page 118.

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

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

Abu Dhabi	0 26 42 38 00
Argentina	0 80 08 88 98 78
Australia	13 00 66 53 66
Austria	05 17 07 50 04
Bahrain	40 42 34
Bangladesh	0 17 52 74 47
Belgium	0 78 15 22 21
Bolivia	0 21 21 41 14
Bosnia Herzegovina	0 33 27 66 49
Brunei	02 43 08 01
Bulgaria	02 73 94 88
Cambodia	12 80 05 00

Canada	1 88 87 77 02 11
Chile	8 00 53 06 62
China	0 21 23 01 71 88
Colombia	01 80 07 00 66 24
Croatia	0 16 10 53 81
Czech Republic	2 33 03 27 27
Denmark	35 25 86 00
Dubai	0 43 96 64 33
Ecuador	18 00 10 10 00
Egypt	0 23 33 41 11
Estonia	6 30 47 97
Finland	09 22 94 37 00
France	01 56 38 42 00
Germany	0 18 05 33 32 26
Greece	80 11 11 11 16
Hong Kong	28 61 11 18
Hungary	06 14 71 24 44
Iceland	5 11 30 00
India	22 24 98 70 00 Extn: 70 40
Indonesia	0 21 46 82 60 81
Ireland	18 50 77 72 77
Italy	02 24 36 44 00
Ivory Coast	05 02 02 59
Jordan	0 64 39 86 42
Kenya	2 72 37 17
Kuwait	2 45 41 78
Latvia	7 50 11 18
Lebanon	01 44 30 43
Libya	02 13 50 28 82
Lithuania	8 70 07 07 00
Luxembourg	43 84 33 99
Macedonia	0 23 13 14 84
Malaysia	+ 6 03 77 12 43 04
Malta	+ 35 32 14 94 06 32
Mauritius	2 11 62 13
Mexico	01 80 07 11 00 03
Morocco	22 66 92 09
Netherlands	0 90 03 33 31 00
New Zealand	08 00 27 43 63
Nigeria	0 14 50 05 00
Norway	22 70 84 00
Oman	79 10 12
Pakistan	02 15 66 22 00
Paraguay	8 00 10 20 04
Peru	0 80 05 24 00

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Philippines	0 27 57 11 18
Poland	08 01 30 00 30
Portugal	8 08 20 15 21
Qatar	04 32 20 10
Romania	02 12 09 99 66
Russia	8 80 02 00 10 10
Saudi Arabia	0 22 26 00 43
Serbia	01 13 07 00 80
Singapore	62 27 11 18
Slovak Republic	02 59 68 22 66
Slovenia	0 14 74 63 36
South Africa	08 60 10 11 57
Spain	9 02 11 50 61
Sweden	0 87 50 99 11
Switzerland	08 48 21 20 00
Taiwan	02 23 96 10 06
Thailand	0 27 22 11 18
Tunisia	71 86 19 02
Turkey	0 21 64 59 98 98
Ukraine	8 80 05 01 00 00
United Arab Emirates	0 43 66 03 86
United Kingdom	0 87 05 33 44 11
USA	1 88 87 77 02 11
Venezuela	0 80 01 00 56 66
Vietnam	84 89 20 24 64
Zimbabwe	04 36 94 24

Care and maintenance

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

- Protect your phone from moisture and humidity. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits. Nevertheless, should your phone become wet, disconnect it immediately from the power supply to avoid electric shock. Do not place your phone (even to dry it) on/in a source of heat such as a microwave oven, oven or radiator. The phone may become overheated and possibly explode.
- Do not use or store the phone in dusty, dirty areas. Its moving parts may be damaged and the casing may become deformed and discoloured.
- Do not store your phone in hot environments (e.g. vehicle instrument panel in the summer). High temperatures can shorten the life of electronic devices, damage batteries and warp or melt certain plastics.
- Do not store your phone in cold environments. 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 harsh 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 is not working properly, obtain fast and reliable help at our service centres.

Battery quality statement

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

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

Display quality declaration

For technological reasons, a few small dots with different colours may appear in the display in exceptional cases.

Just remember that the appearance of brighter or darker dots generally does not mean that a fault has occurred.

Product data

Declaration of conformity

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

www.siemens.com/mobiledocs

CE 0168

Technical data

GSM class:	4 (2 watt)
Frequency range:	880–960 MHz
GSM class:	1 (1 watt)
Frequency range:	1,710–1,880 MHz
GSM class:	1 (1 watt)
Frequency range:	1,850–1,990 MHz
Weight:	99 g (3.49 oz)
Size:	92 × 48 × 23 mm (~ 78 ccm)
Li-Ion battery:	750 mAh
Operating temperature:	–10 °C to 55 °C (14 °F to 131 °F)
SIM card:	1.8 and 3.0 V

Phone ID

You will need the following information if you lose your phone or SIM card:
the number of the SIM card (on the card):

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

.....
the customer service number of the service
provider:
.....

Lost phone

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

Operating time

Talktime: up to 300 minutes

Standby time: up to 300 hours

The operating time depends upon the respective conditions of use. Extreme temperatures considerably reduce the standby time. You should therefore avoid the leaving the phone in the sun or on a radiator.

The following applications reduce the standby time and can be deactivated if required:

- Flash (page 43)
- CB services (page 64)
- Screensaver (page 72)
- Lighting (page 72)
- EGPRS (page 75)
- Bluetooth (page 75)
- Fast search (page 90)

SAR

INFORMATION ON RF EXPOSURE /
SPECIFIC ABSORPTION RATE (SAR)

THIS MODEL MEETS THE GOVERN- MENT'S REQUIREMENTS FOR EXPO- SURE TO RADIO WAVES

Your cellular phone is a radio transmitter and receiver. It is designed to meet the requirements for exposure to radio waves established by the Federal Communications Commission (FCC, USA) and by Health Canada. These requirements include safety margins designed to assure the protection of all persons, regardless of age and health. They use a unit of measurement known as the Specific Absorption Rate (SAR). The SAR limit is 1.6 W/kg averaged over one gram of tissue.

The highest SAR value for this device when tested at the ear was 0.23 W/kg. In positions other than the head, such as on the body, a separation distance of 2.0 cm is required. The highest SAR value in this case was 0.80 W/kg.

Information about this device model can be found at <http://www.fcc.gov/oet/fccid> by searching the equipment authorization system using **FCC ID: PWX-SL75**.

As SAR is measured utilizing the device's highest transmitting power, the actual SAR of this device while operating is typically below that indicated above. This is due to automatic changes to the power level of the device to ensure it only uses the minimum level required to reach the network.

Additional Information can be found on the websites of the World Health Organization <http://www.who.int/emf>

the Cellular Telecommunications Industry Association (CTIA) web-site at

www.phonefacts.net,

the Canadian Wireless Telecommunications Association (CWTA) website

www.cwta.ca

or Siemens

www.siemens.com/mobilephones

Accessories

Fashion & Carry

Carrying Cases

Leather Case FCL-200
Tour Case FCT-650

Energy

Li-Ion battery EBA-730 (750 mAh)

Spare battery.

Travel Charger

Travel Charger EU ETC-500
Travel Charger UK ETC-510

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

Car Charger Plus ECC-600

Charger for the cigarette lighter socket in the car. It is possible to make phone calls during charging.

Desk Top Stand EDS-600

A smart and practical desk station for your mobile phone.

Handsfree Portable

Headset Basic HHS-500

Headset HHS-510

Headset with key to accept and end calls.

Headset Purestyle HHS-610

High quality headset with detachable ear-piece and key to accept and end calls.

Headset Stereo HHS-700

Stereo headset with function key for enjoying music and making phone calls.

Headset Bluetooth®

HBB-600 with EU battery charger
HBB-610 with battery charger for UK
HBB-620 with battery charger for Australia

Small Bluetooth® headset that is very comfortable to wear.

Charger adapter ECA-500

Charger adapter for Headset Bluetooth HBB-600.

Headset Bluetooth®

HBB-700 with EU battery charger
HBB-710 with battery charger for UK
HBB-720 with battery charger for Australia

Elegant, small Bluetooth® headset that is very comfortable to wear.

Headset Bluetooth® Stereo HBB-750

Stereo Bluetooth® headset with integrated display for high quality and convenient handsfree talking and listening to music.

Office

Data Cable DCA-500

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

Data Cable USB DCA-510

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

Data Cable USB DCA-540

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

SyncStation DSC-600

Desk station for the phone to facilitate simultaneous data exchange and telephone charging. Includes a desktop stand and a USB data cable.

Multitainment

Flash IFL-600

Plug-in flash module for taking photos in areas with low ambient light.

Mobile Music Set IMS-700

The portable Mobile Music Set allows you to listen to music on your mobile phone anywhere you go with excellent sound quality. You can also play music over the active loudspeaker so that others can share your enjoyment.

Car Solutions

Car Kit Portable HKP-500

The portable handsfree car kit can easily be moved from one car to another. Simply plug into the cigarette lighter socket, connect, and talk.

Car Kit Bluetooth® HKW-600

State-of-the-art Bluetooth® Car Kit with external display for safe and convenient handsfree use of a mobile phone in the car.

Car Kit Bluetooth® Portable HKW-700

High-tech Bluetooth handsfree car kit with no cable connection to the mobile phone. Installation is easy - simply plug into the cigarette lighter socket.

Car Kit Bluetooth® HKW-710

Innovative Bluetooth® handsfree kit with an external display for making in-car calls safely and conveniently.

Car Kit Bluetooth® SIM HKW-720

Innovative Bluetooth® handsfree kit with an external display for making in-car calls safely, conveniently, and with low power consumption.

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



Siemens Original Accessories

www.siemens.com/shop



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

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

Why the concern?

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

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

What kinds of phones are in question?

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

FCC/Industry Canada Notice

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.

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Ten Driving Safety Tips

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

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

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

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

When available, use a hands-free device.



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

Position your phone within easy reach.

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

Suspend conversations during hazardous driving conditions or situations.

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

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

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

Dial sensibly and assess the traffic.

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

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

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

Use your phone to call for help.

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

Use your phone to help others in emergencies.

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

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

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

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

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

Provided by the Cellular Telecommunications Industry Association (CTIA)

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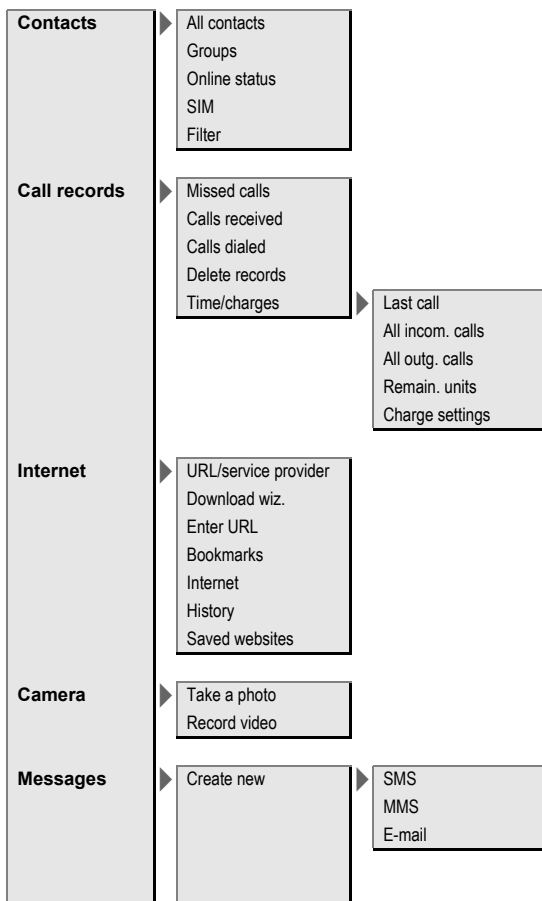
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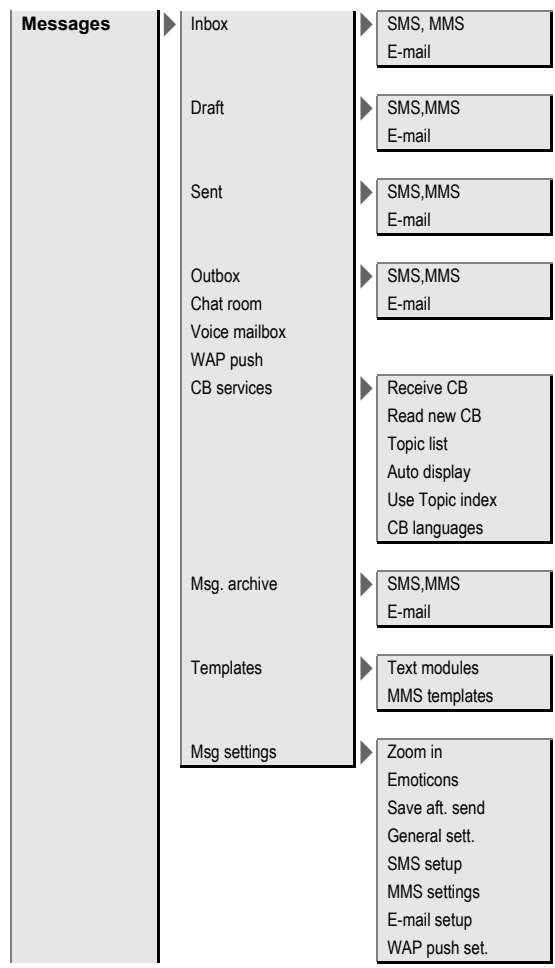
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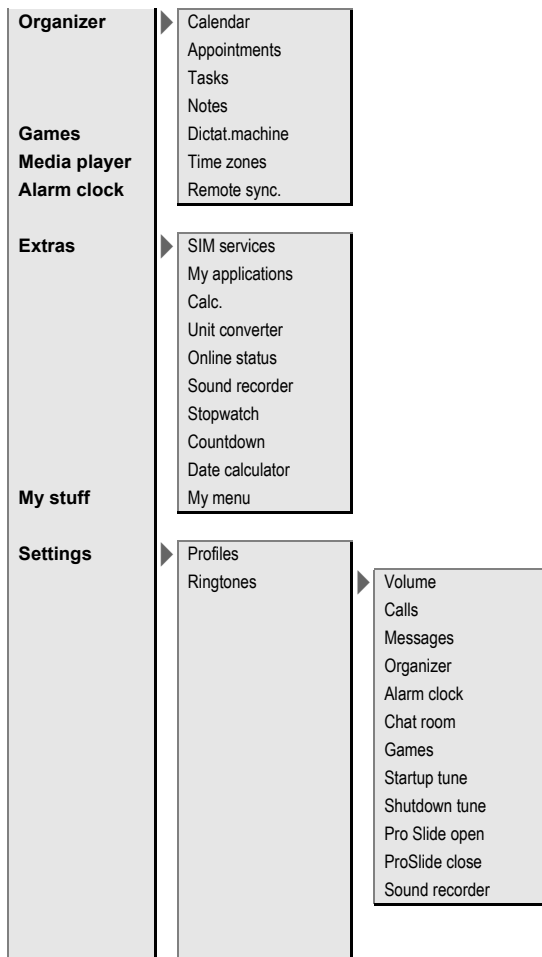
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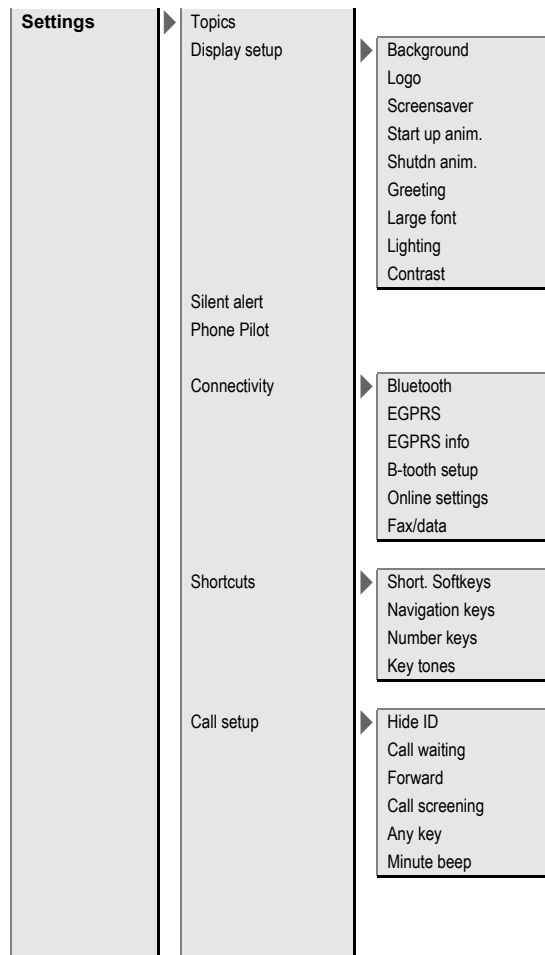
Menu tree



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Phone setup

- Language
- User dictionary
- Key tones
- Info tones
- Auto off
- Memory assis.
- File system
- License mgr.
- Phone identity
- Device manag.
- Fact. settings

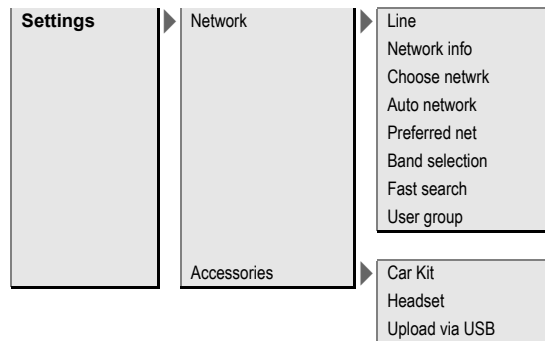
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- Time/date
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- Time format
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