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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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### Disclaimer

The information contained in the User Guide is written for the CF110 phone. Siemens reserves the right to make changes and improvements to the products and any of the features of the products described in this document without prior notice. The contents of the user guide are provided "AS IS". Except as required by applicable law, no warranties of any kind, either express or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose, are made in relation to the accuracy, reliability or contents of this document. Siemens reserves the right to revise the user guide or withdraw it at any time without prior notice. Under no circumstances shall Siemens be responsible for any loss of data or income or any special, incidental, consequential or indirect damages howsoever caused.

### 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 8 inches (21 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 (p. 26), 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 (p. 17). 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.

## Safety precautions

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**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.

Product attributes are subject to changes in technology, design and availability. Siemens reserves the right to modify products without prior notice.

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 **1.5 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.

**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.

## Safety precautions

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### 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.



# Overview of the phone

## ① Display indicators

Signal strength/GPRS/battery level.

## ② Softkeys

Press the **softkey** to call up the function that is displayed as **Text** or icon on the grey fields above the key.

## ③ Call key

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

## ④ On/Off/End key

- Switching on/off: press and **hold**.
- During a conversation or in an application: press **briefly** to finish.
- In menus: press **briefly** to go back a level. Press and **hold** to return to standby mode.
- Keylock in standby mode, keypad closed: press **briefly** to lock keypad. Press **briefly** and **confirm** with **OK** to unlock the keypad.

## ⑤ Navi-key

### In lists and menus

- Scroll up and down.
- Function call.
- Back a menu level.

### During a call

- Open call menu.
- Adjust volume.

### In standby mode

- Voice comm. (press and **hold**).
- Open Addressbook/Phonebook.
- Open menu.
- GPRS info.

## ⑥ \* Press and hold

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



## ⑦ # Press and hold

In standby mode: switch key lock on/off.






















## ⑧ Plug socket

For charger, headset.

The phone may only be used if the keypad is fully closed or fully opened; for optimum audio quality, however, it is recommended you open the keypad completely.

# Display symbols

## Display symbols (selection)

	Signal strength
	Charging
	Battery charge level, e.g. 50 %
	Address book/Phonebook
	Call records
	Surf & fun/Service provider portal
	Organizer
	Messages
	Ring tones
	Extras
	Own stuff
	Setup
	Call(s) is/are diverted
	Ringer off
	Short ring (beep) only
	Ringtone only, if the caller is stored in the Addressbook/Phonebook
	Alarm set
	Alarm clock activated
	Keypad locked
	Message memory full
	No network access
ABC/ Abc/abc	Indicates whether upper or lower-case letters are active
T9Abc	Text input <b>with</b> T9



Activated and available



Registered



Temporarily interrupted



Internet online



Internet via GPRS online



Internet no network



Auto answer feature on

## Organiser symbols (selection)



Memo



Call



Meeting



Birthday



Anniversary

## Access with left softkey (selection)



Message received



MMS notification received



Voice message received



Unanswered call

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

## Getting started

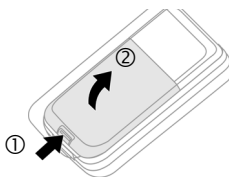
### Using the SIM card/battery

Your phone's display is delivered with a protective film. **Remove this film before getting started.** The service provider supplies you with a SIM card on which all the important data for your account is stored. If the SIM card is credit card-sized, snap out the smaller segment and trim any rough edges.

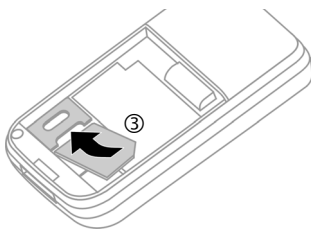
Always switch off phone before removing the battery!

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

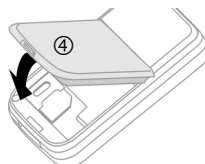
#### Release and open battery cover



#### Insert SIM card

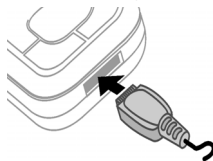



#### Close battery cover



### Charge battery

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



When charging is in progress  is displayed.

#### Charging time


An empty battery is fully charged after about 2 hours. Charging is only possible within a temperature range of +5 °C to +40 °C. If the temperature rises/falls 5 °C above/below this, the charge symbol flashes a warning. The mains voltage specified on the power supply unit must not be exceeded (Operating time, p. 43).

#### Charge icon not visible

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


**Only use the power supply unit provided!**

**Display while in service**

Charge level display during operation (empty–full): .

A beep sounds when the battery is nearly 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 early**.

**Switch on/off, PIN****Switch on/off**

Press and **hold** the On/Off/End key  to switch on or off.

**Enter PIN**

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

Open keypad. Enter the PIN using the number keys. The characters **\*\*\*** appear to ensure nobody can read your PIN on the display. Correct errors with **Clear**. Confirm your input with **OK**. Logging on to the network will take a few seconds.

**Emergency number (SOS)****Only to be used in real emergencies!**

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

**Switching on your phone for the first time****Time/date**


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

Open keypad. Press **Yes**. First enter the date (day/month/year), then the time (24 hours, including seconds). Press **OK**. The time and date are updated.

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

**Time zones**

Set the time zone for your area.

Select the required time zone from list with . Apply with **Set**.

## Phonebook or Addressbook

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

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

To copy data on the SIM card at a later time, highlight entries (see p. 15) and copy these with the function **Copy to** (Phonebook options menu).

You can change the default book at any time (p. 20).

## Signal strength



Strong reception signal.



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

# General instructions

## User guide

The following symbols are used to explain operation:



Enter numbers or letters.



On/Off/End key.



Call key.



Press navigation key on the side indicated



Displays a soft-key function.



Function depends on the service provider, special registration may be necessary.

## Without SIM card

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

Press **Menu**. The functions are displayed (e.g. Emergency, SOS).


## Menu control

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

E.g. to display call list for missed calls:

Press **Menu** →  → Missed calls  
→ **Selection**.


This comprises the following steps:

Open main menu, select , then select the function **Missed calls**. You have to confirm with **Selection**.

## Standby mode

Very often function descriptions begin in standby mode.

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

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

## Open/close slider

### Opening the slider

- Illumination on.
- Keypad unlocked.
- The call is accepted.
- Alarm sound off (appointment, alarm).

### Closing the slider

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

## Standard functions

### Option menus

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

Press **Options** to open menu.

Edit	Open the entry to edit.
Capacity	Display available capacity.
View	Display entry.
Delete/ Delete all	Delete entry/delete all entries after confirmation.
New entry	Create new entry.
Send MMS	Send entry as MMS message.
Send via...	Select transmission service and medium for sending or printing.
Save	Store entry.
Sort	Set sort criteria (alphabetical, type, time).
Text input (p. 18)	T9 preferred: Activate/deactivate T9 input. Input language: Select language for text.
Rename	Rename selected entry.

## Highlighting mode

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

Press **Options** → Mark text.

Press **Mark text** to highlight an **unmarked** entry.


Press **Unmark** to unmark a **highlighted** entry.

Additional highlighting functions:

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

## Security

**Menu**

→  → **Security**  
→ Select function.

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

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

### Codes

#### PIN control

You can stop the PIN prompt being activated when the phone is switched on, but you then risk unauthorised use of the phone.

Press **Change**. Enter PIN and confirm with **OK**.

#### Change PIN

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

Enter current PIN and confirm with **OK**. Enter new PIN twice and confirm each time with **OK**.

#### Change PIN2

(Display only if PIN2 is available)

Proceed as with **Change PIN**.

#### Chg.phonecode

You define the phone code (4–8 digits) when you call up a protected function for the first time. It is then valid for all phone-code protected functions. If the wrong code is entered three times then the phone will be locked. Contact Siemens Customer Care for instructions on how to unlock your phone.


## Clear SIM card barring

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

## Preventing accidental activation

Even if PIN control is deactivated 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** the On/Off/End key  and confirm with **OK**. The phone switches on.


# Calling

## Dialling with number keys


The phone must be switched on (standby mode) and the slider must be fully open. Dial number (always with area code, if necessary with international dialling code) press and **hold 0** until a "+" is displayed. Press **Country** and select country.

**Short** press **Clear** to clear the last digit, a **long** press clears the entire phone number. To dial press the Call key .

## End call




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

## Set volume


Adjust volume with navigation key  during conversation.

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


## Redial

To redial numbers that were dialled previously, press the Call key  once, pick up the required phone number from the list with , then press  again.

## If the number is busy

Press **Auto dial** for automatically dialling the phone number ten times at increasing time intervals or press **Call back**  for phone ringing when the busy number is free. Press **Prompt** and a beep reminds you to redial the displayed phone number after 15 minutes.

## Accept call


The phone must be switched on (standby mode). An incoming call will interrupt any other use of the phone. Press **Answer**  or open slider **fully**.



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

A phone number transmitted by the network is displayed or the corresponding name if it is contained in the Phonebook (p. 20) or Addressbook (p. 21). A picture may also appear (settings p. 21).


## Reject call

**Reject** or  press **briefly** or close slider **fully**.

## Handsfree



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

Activate handsfree function with **Handsfr.** and switch on with **Yes**.


Adjust the volume with . Pressing **Handsfr.** switches off "handsfree talking".

**Always switch off "handsfree talking" before holding the phone to your ear! This will avoid damage to your hearing!**

## Swapping between 2 calls

Make a new connection during a call with **Menu** → Hold →  (dial a new phone number). With **Menu** →  Toggle you can swap back and forth between both calls.


If you are called during a phone call and you can hear the "call waiting tone" (p. 30), you can accept the waiting call with **Toggle**, putting the current call on hold to do so.

Swap back and forth between the calls see above or end the current call with  and accept the new call with **Answer**.


## Conference



Call up to 5 parties and link them together in a conference call. Make a new connection during a call with

**Menu** → Hold →  (dial a new phone number). The current call is set on hold. With **Menu** → **Conference** you can join the held call when the connection is established.


Repeat this procedure until all participants are linked together.

**All** calls in the conference are ended simultaneously when the End key  is pressed or close slider **fully**.


## Babysitter

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

**Menu** →  → Security → Babysitter

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

**Please note this code down** (see also p. 15)!

Confirm code input with **OK**. Press **Change** and enter number (press  to select phone number from the Addressbook p. 21 or Phonebook p. 20). Confirm "On" with **OK**.

To dial, press and **hold** the right softkey.

To switch direct call off, press and **hold** #.

Enter phone code and confirm with **OK**.

Press **Change** and Confirm Off with **OK**.

## Text entry

### Text entry without T9

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

**2** Press **once briefly** to type the letter **a**, twice to type **b**, etc. Press and **hold** to write the number.

**Ä, ä, 1-9** Umlauts and numbers are displayed after the relevant letters.

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

**↔ / ↔** Move the cursor (forwards/back).

**#** Press **briefly**: Swap between *abc*, *Abc*, *T9abc*, *T9Abc*, *T9ABC*, 123. Status shown in top line of display. Press and **hold**: All inputvariants are displayed.

**\*** Press **briefly**: Special characters are shown.

Press and **hold**: Open input menu.

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

Press and **hold**: Writes **0**.

**1** Writes blank.  
Press **twice** = jumps a line.

### Special characters

Press **\*** **briefly**. The character map is displayed:

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

1) Line break

Navigate to characters with **↕**, **↔** and press **Selection**.

### Input menu


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

Text format (SMS only), Input language, Mark text, Copy/Add

### Text entry with T9

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

### Activate, deactivate T9

**Menu** →  → Msg. setup  
→ T9 preferred  
→ **Change**  
(activate/deactivate T9).

### Select input language

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

**Menu** →  → Msg. setup  
→ Input language  
→ **Selection**  
(the new language is set).

Languages with T9 support are marked with the T9 symbol.

### Write a word using T9

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

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


Press **briefly** **#** for *T9Abc* then **4 6 8 3 5** and **1** (the blank ends a word).

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

## Text entry




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## Additional information

- 0** Set a full stop. A 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.
-  Go to the right. Ends a word.
- #** Press **briefly**: Swap between: **abc**, **Abc**, **T9abc**, **T9Abc**, 123. Status shown in top line of display.
- Press and **hold**: All input modes are displayed.
- \*** Press **briefly**: Select special characters (p. 18).
- Press and **hold**: Open input menu.

## 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, repeat until the correct word is displayed.

To add a word to the dictionary, select **Learn**. Now write the word without T9-support and accept with **Save** into the dictionary.


## Correct a word

Words written **with** T9:

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

With   scroll through the T9 word suggestions again. **Clear** deletes the character to the left of the cursor **and** displays a new possible word!

Words **not** written with T9:



With  move letter by letter to the left/right. **Clear** deletes the letter to the left of the cursor. New characters are inserted at the cursor position.

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, and 6,636,162, 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.




## Text modules

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

## Write text modules

**Menu** →  → Text modules  
 → <New entry> →   
 (write text module)  
 → **Save** (Accept the default name or give it a new name, then save with **OK**).

## Use text modules

 (write message text) → **Options**  
 → Text modules →  (select text module from the list) →  (confirm Text module) → **OK**.

The predefined text is inserted into the text to the left of the cursor.

## Preferred directory

**Menu** → → Select function.

### Show entries

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

Select a name by entering the first letter and/or scroll . To dial press the Call key .

### <New entry>

Create new entry in standard directory. Phonebook, Address book (see below).

### Default book

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

→ Phonebook/Address book → (set as standard).

### Groups

(see p. 21)

### Business card

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

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

Move from field to field to put in your details. Press **Save**.

### Information numbers

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

## Phonebook

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

### <New entry>

If the Phonebook is set as standard (Addressbook as standard, p. 20):

Open Phonebook (in standby mode)

→ <New entry> → Select entry field (The maximum number of characters available is displayed at the top of the screen).

**Number:** Always enter phone number with dialling code.

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

**Group:** Phone numbers may be assigned to the VIP group.

**Location** Select the storage location SIM or SIM protected (PIN2 required).

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

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

### Call (search for an entry)

Open phonebook , select name and and press the Call key .

### Change entry

→ Select entry → → Change → Make changes → **Save**.

### <Special books>

<Own numbrs>: enter personal phone numbers, <VIP numbers>: assign important numbers to group,

<SIM phonebook>, <Protected SIM>, <Info numbers>.

## Address book

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

### <New entry>

If the Addressbook has been selected as standard:

Open Addressbook (in standby mode).

→ → (enter first and/or last name) → Select entry field → Make further entries → **Save**.

### Group

Entries can be organized by groups.

Select with **Change**.

### Picture

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

### Birthday

After entering the date of birth, the "reminder box" can be activated. You can now enter the time for the reminder. The phone will then remind you with an acoustic tone and also with a display one day before the birthday and on the birthday.

### All fields

Press **Selection**. Show all input fields if the display was previously reduced (**Options**, Field setup).

### Change entry

→ Select entry → **View** → **Edit**  
→ Make changes → **Save**.

### Call (search for an entry)

Open Addressbook , select name and and select phone number (if the entry has several numbers stored) press .

## Voice dialing

Dial numbers by voice command. Up to 20 recorded names for voice dialling or voice commands (p. 38) can be saved on the mobile (not on the SIM card).

### Record

Open Addressbook (in standby mode).

→ Select entry (first letter and/or scroll) → **Options** → Voice dialling  
→ (Select phone numbers if there are more than one → **Record** → **Start**).

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

### Apply voice dialling

Press and hold (in standby mode). Now speak the name. The number is dialled.

## Groups

Nine groups are specified in your phone to enable you to arrange your Addressbook entries clearly.

You can rename seven groups:

Open Addressbook (in standby mode).

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

### Additional information

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

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


### Group symbol

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


Select group → → Group symbol  
→ Select symbol → **OK**.

## Records

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

- Menu** →  → **Selection**
- Select call list and confirm
  - Select phone number


### Missed calls

The phone numbers of calls that you have received but not answered are stored for call back purposes.  is shown on the display for missed calls in standby mode.

### Calls received

Accepted calls are listed.

### Calls dialed

In standby mode you have access to the last numbers dialled with .

### Delete records

The records are deleted.

### Call list menu

- Options** → Edit entries.

## Dur./charges

Display charge details and the duration of different types of calls while you speak, as well as setting a unit limit for outgoing calls. Note that charge information displayed is indicative only and might vary from your phone bill.

- Menu** →  → **Dur./charges**

Select function: Last call, All outg. calls, All incoming calls, Remain. units

- Selection** Display data.

- Reset** Clear display.

- OK** End display.

### Charge setting

- Menu** →  → **Dur./charges**
- Charge setting

### Currency (PIN2 prompt)

Currency for charge display.

### Charge/Unit (PIN2 prompt)

Charges per unit/period.

### Account limit (PIN2 prompt)

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

### Auto display

Display duration and charge automatically at end of each call.

## Voice message/ mailbox



**Menu** → → Msg. setup  
→ Voice message

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

- if your phone is switched off or not ready to receive,
- if you do not want to answer,
- if you are making a phone call (and Call waiting is not activated, p. 30).

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

### Settings



The service provider supplies you with two phone numbers:

#### Save mailbox number

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

**Menu** → → Msg. setup  
→ Voice message → (enter mailbox number) → **OK**

#### Save call divert number

Calls are diverted to this phone number (see also p. 30).

**Menu** → → Phone setup → Divert  
→ e.g., Unanswered → Set  
→ (dial divert number)  
→ **OK** (register number at the network). Divert will be confirmed after a few seconds (see also p. 30).

## Listening to message

A new voice message can be announced as follows: An icon with beep or a text message announces a new voice mail or you receive a call with an automatic announcement. Dial into your mailbox and listen to your message(s). Press and **hold 1** (if necessary enter mailbox number once only). Confirm with **OK** and **Mailbox** depending on your service provider.

## CB services



**Menu** → → Msg. setup  
→ CB services

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






## SMS

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

Additionally you can insert pictures and sounds in an SMS.

Depending on the service provider, e-mails and faxes can also be sent and e-mails received via SMS (change setting if necessary, p. 26).

### Writing and sending

**Menu** →  → New SMS  
 →  (write text) →   
 →  /  (enter phone number or select from Addressbook/Phonebook)  
 → **OK**

The SMS is sent to the service centre for transmission.

For Text input using "T9", p. 18. Press **Clear** briefly to delete letter by letter, press and **hold** to delete an entire word.

### Special functions

#### SMS to group

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

**Options** → Send → **Group** → Select group → Select group members and send SMS.

#### Picture&sound


Insert pictures and sounds into message.


**Options** → Picture&sound → select section and entry.

The menu contains:

Def animations, Def. sounds, Own anim., Own pictures, Own sounds

### Receive/read SMS

An arrival of a new SMS is announced on display with . To read the SMS, press left softkey.

With  you scroll through message line by line. Select **Reply** for a direct reply.

### SMS archive

**Menu** →  → SMS archive

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



## MMS

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

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



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

### Writing/sending MMS messages

An MMS consists of the address header and the content.

**Menu** →  → New MMS

#### Input fields

- To:**  /  Phone number/  
e-mail address of recipient(s).
- Subject:** Enter MMS heading  
(up to 40 characters).
- Picture:** **Insert**. The picture list is opened  
for selection.
- Text:** **Edit**. Write text with the help  
of T9.
- Sound:** **Insert**. Select a melody (p. 39) or  
record a new melody (see  
below).

#### Slide duration

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

#### New recording

The phone records via its microphone. Press **Insert** in the Sound: field when completing the input fields. Select New ring tone. Press **Record**. The current recording duration and available time remaining are displayed. To end recording press **Stop**.

Press **Play** to replay recording. Press **Save**. To give the recording its own name, the description **Clear**. Confirm with **OK**.

#### Attach extra pages

**Options** → New slide

#### Attach business card

**Options** → Extras →  Scroll to

Business card → .

#### Attach appointment



**Options** → Extras →  Scroll to

Appointments → .

#### Send MMS

**Options** → Send

### Receive/read MMS

An arrival of a new MMS/notification of an MMS is announced on display with  / . Press the left softkey to read the MMS or notification.

Depending on the setting (p. 26) the

- complete MMS is received
- or the notification is opened. Press **Receiving** to receive the complete MMS, with **Play** automatic presentation of the MMS. Cancel using any key.
- Open attachments using **Options** and Attachments.
- Open images and tones using **Options** and Content.

## Message lists/settings

All SMS and MMS messages are saved in four different lists:

### Inbox

**Menu** →  → Inbox → MMS/SMS

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

### Draft

**Menu** →  → Draft → MMS/SMS

The list of stored drafts is displayed.

### Unsent

**Menu** →  → Unsent → MMS/SMS

The list of MMS messages not yet successfully sent or not yet completely sent concatenated SMS messages is displayed.

### Sent

**Menu** →  → Sent → MMS/SMS

The list of sent SMS or MMS messages is displayed.

## SMS profiles, MMS profiles

**Menu** →  → Msg. setup  
→ SMS profiles/MMS profiles

Profiles have to be created for SMS and MMS. The transmission characteristics are defined in these. The data for these may already have been entered. If not, you can obtain this from your service provider. Additional information is available in the comprehensive operating instructions on the Internet:

[www.siemens.com/cf110](http://www.siemens.com/cf110)

## Ring tones

**Menu** →  → Select function.

You can set the ring tone separately for call types/functions. You can download new ringtones from the internet via **Download new**.

## Ringer setting

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

## Silent alert

Activate/deactivate silent alert (also in addition to the ring tone). The silent alert is activated if the highest volume is set for the ring tone.

## Volume

Set the volume for the ring tones.

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

## Open ProSlide

Set the music to be played when the keypad is opened.

## Close ProSlide

Set the music to be played when the keypad is closed.

 **Call tone, Group call tones,**


## Other call tone

You can set the tones to match your needs.

## More tones...

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

### Call screening

Only calls from numbers that are in the Addressbook/Phonebook or in a predefined group are signalled. Other calls are only displayed. If you do not accept these calls, they are diverted to your mailbox (if set, p. 30). If call screening is active,  is displayed in standby mode.

### Key tones

Type of acoustic key tone: **Click** or **Tone** or **Silent**

### Minute beep

During a call, you will hear a beep after each minute.

### Information tones

Set service and alarm tones.

**CBS tone, Start melody, End melody, SMS/MMS tone, Alarm tone.**

## Surf & fun

**Menu** →  → Select function.

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

### Home



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

### Bookmarks

List of URLs for fast access.


### Internet

The browser is activated as soon as you call up the function. The functions of the softkeys vary, depending on the internet page. The contents of the option menus are also variable. If necessary, set the way in which Internet access should be made:

 Press. The browser menu is open → More ... → **Setup** → **Start with...**

Select required function in the start menu and confirm with **Selection**.

### End connection

Press and **hold**  to close the browser. After GPRS/CSD lincetime (WAP param.) the connection will also be ended.

### Additional information



Browser menu.



Offline.



Online.



GPRS Online.



No network.

\*

Select special characters, such as @, ~, \, see p. 18.

0

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

## Profiles

**Menu** →  → Internet → Profiles

### Activate profile

You can change the current profile each time you access the Internet. For this, select profile, then **Selection**. The current profile is selected.

### Set profile

Up to 5 profiles can be configured (may be barred by your provider). The entries may vary depending on the service provider. Select profile, then **Edit** and fill in the data fields.

To select the connection profile, see p. 31.

## Games & more

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

Applications and games can be found at [wap.siemens.com](http://wap.siemens.com) or on the Internet at [www.siemens.com/cf110](http://www.siemens.com/cf110)

### Games and applications

Stored applications and links are found under:

**Menu** →  → Games & more

Different functions are available depending on which entry is highlighted:

 **Download new**

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

★ **Use game/application offline**

**Selection** Runnable application can be started immediately.

★ **Load game/application online**

**Selection** Only description file; application has still to be loaded.

### Additional information

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

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# Setup

## Profiles

**Menu** →  → Profiles

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

- Five standard profiles are provided with default settings. They can be changed however: Normal env., Quiet environ., Noisy environ., Car Kit, Headset.
- You can set two personal profiles (<Empty>).
- The special profile **Airplane mode** is permanent and cannot be changed.

## Switch on

Select default profile or personal profile

→ .

## Setup

Select profile or personal profile, then

→ **Options** → Change sett.

The list of available functions is displayed.

## Car Kit

If a Siemens original Car Kit is used, the profile is activated automatically as soon as the phone is inserted into the cradle (p. 34).

## Headset

If an original Siemens headset is used, the profile is activated automatically as soon as the headset is in operation.

## Airplane mode

Sound for all alarms (appointments, alarm clock) are deactivated. Alarms are only indicated on the display. This profile **cannot be modified**. The phone will switch off if you select the profile **Airplane mode**. Confirm a security prompt.

## Normal mode

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

## Display

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

## Language

Set the language of the display text. When "automatic" is set, the language of your service provider is used. Reset to this language in standby mode:

\* # 0 0 0 0 # 

## Text input

See also p. 18.

## T9 preferred

Activate/deactivate intelligent text entry.

## Input language

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

## Wallpaper

Set background graphic for display.

## Logo

Choose picture to be displayed instead of the provider logo.

## Color scheme

Select colour scheme for the entire user interface.

## Screensaver

The screensaver shows a picture in the display when a period set by you has elapsed. An incoming call and/or pressing any key will end the function except if the safety function is activated. With code protection, the PIN must be entered.

## Start up animation

Shown when phone is switched on.

## Shut down animation

Shown when phone is switched off.

## Greeting

Enter greeting to be displayed when phone is switched on.

## Large letters

You can choose between two font sizes for the display.

## Partial LCD backlight

When this function is active, the display lights up briefly when you make a call or the phone rings. Furthermore, the display lights up at specific intervals when in standby mode.


## Illumination

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


## Call setup

**Menu** →  → Call setup  
→ Select function.


### Hide ID

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

### Call waiting

If you are registered for this service, you can check whether it is set and you can activate/deactivate it (see also p. 17). 

### Divert



You can specify when calls should be diverted to your mailbox or other numbers. 

#### Set up call divert (example)

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

- Unanswered

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

Unanswered →  → Set →  (enter the phone number, to which the call should be diverted) → **OK**.

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

- All calls

All calls are diverted.  is shown in the top line of the display in standby mode.

Other possibilities for divert:

**Not reachable, No reply, Busy**

- 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.



Condition set.

Not set.

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

- Clear all

All set diverts are cleared.

### Minute beep

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

### Clock

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

### Time/date

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

**Change** → Enter the date first, then the time.

### Time zones

Set the time zone for your area.

### Time format

Select 24h or 12h.

### Date format

DD.MM.YYYY or MM/DD/YYYY

### Buddhist year

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


### Show clock

Activate/deactivate time display in stand-by mode.

### Automatic switch off

The phone switches off each day at the set time.

### Activate

**Time** →  Enter time (24-hour-clock)  
→ OK.

### Deactivate

**Manual** → OK

## Connectivity

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

### GPRS

**Yes / No** Switch GPRS function on/off.



### GPRS info

Display of information on connection status.

### Authentication

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

### Data services

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

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


The default for the phone depends on each service provider:

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

If necessary, check with your service provider for details. If necessary enter CSD settings and GPRS settings (your service provider will supply you with information on this if necessary or [www.siemens.com/mobilephonescustomer care](http://www.siemens.com/mobilephonescustomer care) in the FAQ section).

Select profile →  → Change sett.  
 → Options → Edit → (Enter data)  
 → Save.

## HTTP profile

Select profile with . Enter or modify settings. If necessary, check with your service provider for details.

## Fax/data

### Rec fax/data

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


### Send voice/fax

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

### Rec voice/fax

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

### End transmission

End transmission with PC software and/or press .

## Security

Menu →  → Security  
 → Select function.

### Auto key lock

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

### Babysitter

(Phone-code protected)

Only **one** phone number can be dialled.

### Only

(PIN2 protected)

Restrict calls to SIM-protected numbers in the Phonebook.

### Last 10 only

(Phone-code protected)

Restrict calls to the list of "dialled numbers" (p. 22).

### Codes

PIN control, Change PIN, Change PIN2, Chg.phoncode (p. 15).

### This SIM only

(Phone-code protected)

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

### Barring

Network barring restricts the use of your SIM card.

**All outgoing:** Outgoing calls, except emergency numbers, are barred.

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

**Out.int.x home:** International calls are not permitted apart from calls to your home country.

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



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

**Status check:** Status check for network barring.

**Clear all:** Clear all barrings.

### Phone identity

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

Alternative input in standby mode:

**\* # 0 6 #**

### File system

#### Format

The file system memory (p. 39) is formatted and **all** data that has been saved is deleted, including e.g. ringtones, images, games etc.

#### Clean up

The file system is defragmented.

### Master reset


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

Alternative input in standby mode:

**\* # 9 9 9 9 #**

## Network

**Menu**

→  → Network  
→ Select function.

### Line

To select/bar a telephone number, **two independent** telephone numbers have to be registered.

### Network info

The list of GSM networks currently available is displayed.

### Auto network selection

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

### Choose network

Network search is restarted.

### Preferred network

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

### Band selection

Select either GSM 900, GSM 1800 or GSM 1900.

### Fast search

Network reconnection is speeded up.

### User group

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

## ProSlide

**Menu** →  → ProSlide  
→ Select function.

### Open melody

Set the melody to be played when the keypad is opened.

### Close melody

Set the melody to be played when the keypad is opened.

### ProSlide lock

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

## Accessories

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

### Car Kit

#### Auto answer

Calls are accepted automatically after a few seconds.

#### Headset

Accept call with Call key or PTT key (push to talk), even when the keylock is activated.

#### Auto answer

Calls are accepted automatically after a few seconds.

## Organizer

**Menu** →  → Select function.

### Alarm clock

The alarm will ring at the time set by you, even when the phone is switched off. If the phone has been switched off in Airplane mode the alarm is only shown on the display and is not indicated by sound.




#### Setting

Set the time for the alarm call (hh:mm). Confirm with **OK**.

Press **On/off** to activate/deactivate the alarm.

### Calendar

You can enter appointments in the calendar. Time and date must be set for the calendar to work correctly (p. 31).

Page between days with . Press  **briefly** to page between weeks, press and **hold**  to page between months. Calendar days in bold face indicate appointments on this day.

#### Agenda

Press **Agenda** to call up from the monthly overview. Appointments for each individual day are shown in the agenda in chronological order.

## Appointments


**Menu** →  → Appointments

All appointment entries are displayed in chronological order. If an alarm is missed it appears in the list of missed appointments (p. 36).

#### Enter new appointment

Press .

#### Type:

Press  repeatedly to select the required type:

**Memo** Text input for description.

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

**Meeting** Text input for description.

**Birthday** Enter name and date.

**Anniversary**  
Enter name and date.

Then make further entries field by field:

#### Description:

Description of the appointment.


#### Date:

Date of appointment.

#### Time:

Time of appointment.

#### Alarm:

Activate alarm with **ON** →  (enter start time of the alarm **before** the appointment) → **Change** (select Minute, Hours, Days).

#### Recurrence:

Select a timeframe for repeating the appointment: **No**, **Daily**, **Weekly**, **Monthly**, **Annual**.

Enter a parameter for repeating: **Forever**, **Until**, **Events** (number).

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

**Alarm**

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

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

Alarm type **Call**: The phone number is displayed and can be dialled immediately.

Alarm type **Birthday and Anniversary**: you will be notified one day before the event and on the birthday/anniversary itself.

Press **Pause**. The alarm stops for 5 minutes. Press **Off** to stop the alarm.

**Notes**

**Menu** →  → Notes

T9 support (p. 18) makes writing short notes such as shopping lists easier. Save confidential notes with the phone code (p. 32). Please note that with the aid of suitable programs it is possible for confidential notes to be read from the phone when connected to a PC.

**Missed alarms**

**Menu** →  → Missed alarms


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

**Time zones**

**Menu** →  → Time zones

Set the time zone for your area.

**Calend. setup**

**Menu** →  → Calend. setup

**Start of week**

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

## Extras

### SIM services (optional)



**Menu** → → SIM services

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

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

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.

### Calculator

**Menu** → → Calculator  
→ Enter number  
(up to 8 digits)  
→ Select calculator  
function.

Repeat procedure with other numbers.  
Press **#** to display result.

#### Calculator functions

Press right softkey repeatedly.  
**±** Toggle between "+" and "-".  
**%** Convert to percentage.  
 Save /Retrieve number.  
**e** Exponent  
(max. two digits).

Special keys:

**\*** Set decimal point.  
**0** Add (press and **hold**).

### Currency conv

**Menu** → → Currency conv

Calculate the exchange rates. You can enter three currencies.

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

#### Otherwise

**Options** → New entry → Enter symbols  
for the currencies → **OK** → Enter  
exchange rate → Save with **Options**  
and **OK**.

#### Convert

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

Select a currency combination. Confirm with **Selection** and enter amount (up to 12 digits). Press **#** to display result.

Press **Repeat** to start another conversion using different data.

#### Calculator functions

Press right softkey repeatedly.  
 Retrieve a saved number  
from the calculator.

### Stopwatch

**Menu** → → Stopwatch

Two intermediate times can be recorded and saved.

Press **#** for Start/stop. Press **\*** for Intermediate time. Press **Start** to start stopwatch. Press **Reset** to reset stopwatch.

### Countdown

**Menu** → → Countdown

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

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


## Voice comm.

**Menu** →  → Voice comm.

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


### Record

**Menu** →  → Voice comm.

A list with the functions available is displayed.  Select function. Press **Record**. Confirm selected function with **Yes**. Press **Start** to start recording.

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

### Apply

Press and **hold**  (in standby mode).

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

Now say the function. Noisy environments may affect voice recognition.

## Fast access key

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

### Left softkey

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

#### Change (example)

**New SMS** → **Change** → Search for application (e.g., Internet, Phone number) → **Selection**.

#### Apply (example)

Key assigned with Phone number/name. Press and **hold** **Carol**.

### Speed dialling keys

Only possible for keys **2** to **9**. Key **1** is reserved for the mailbox.

#### Change

 Press an unassigned numberkey (2–9) → **Set** Select application (e.g. New SMS., Phone number, Bookmarks).

#### Apply

Press and **hold** assigned numberkey, e.g. **3**.

### Menu speed dialling

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

Example:

Press **Menu**. Press e.g. **2** for Records or **1** for Missed calls.

## Own stuff



Files and folders are displayed. The following folders are provided for organising your files: Pictures, Sounds, Colour scheme, Data inbox.

You can scroll through these lists using the navigation key:

- scroll up and down.
- jump back from a folder.
- Open folder or execute file using related application.

### Index structure

The file system assigns special folders to different data types.

Folders	Contents	Format
Picture	Images, Animations.	*.bmp *.bmx *.bmz *.gif *.jpg *.jpeg *.png
Sounds	Ring tones, melodies, sounds	*.amr *.mid *.wav
Color scheme	Colour schemes	*.col
Data inbox	Business cards, appointments	*.vcf *.vcs

The following folders are also included in Sounds or Pictures:

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

### Sending files

Press to send a highlighted picture, sound, animation etc.

## 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 **More**) and if available, your Siemens Service customer number.

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

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

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 50 31 81 49
Colombia .....	01 80 07 00 66 24
Croatia .....	0 16 10 53 81
Czech Republic .....	02 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 .....	06 30 47 97
Finland .....	09 22 94 37 00
France .....	01 56 38 42 00
Germany .....	0 18 05 33 32 26
Greece .....	0 80 11 11 11 16
Hong Kong .....	28 61 11 18
Hungary .....	06 14 71 24 44
Iceland .....	5 11 30 00
India .....	22 24 98 70 00 Extn: 70 40
Indonesia .....	0 21 46 82 60 81
Ireland .....	18 50 77 72 77
Italy .....	02 66 76 44 00
Ivory Coast .....	05 02 02 59
Jordan .....	0 64 39 86 42
Kenya .....	2 72 37 17
Kuwait .....	2 45 41 78
Latvia .....	7 50 11 18
Lebanon .....	01 44 30 43
Libya .....	02 13 50 28 82
Lithuania .....	8 52 74 20 10
Luxembourg .....	43 84 33 99
Macedonia .....	02 13 14 84
Malaysia .....	+ 6 03 77 12 43 04
Malta .....	+ 35 32 14 94 06 32
Mauritius .....	2 11 62 13
Mexico .....	01 80 07 11 00 03
Morocco .....	22 66 92 09
Netherlands .....	0 90 03 33 31 00
New Zealand .....	08 00 27 43 63
Nigeria .....	0 14 50 05 00
Norway .....	22 70 84 00
Oman .....	79 10 12
Pakistan .....	02 15 66 22 00
Paraguay .....	8 00 10 20 04
Peru .....	0 80 05 24 00
Philippines .....	0 27 57 11 18
Poland .....	08 01 30 00 30
Portugal .....	8 08 20 15 21
Qatar .....	04 32 20 10
Romania .....	02 12 04 60 00
Russia .....	8 80 02 00 10 10



## Customer Care

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Saudi Arabia .....	0 22 26 00 43
Serbia .....	01 13 22 84 85
Singapore .....	62 27 11 18
Slovak Republic .....	02 59 68 22 66
Slovenia .....	0 14 74 63 36
South Africa .....	08 60 10 11 57
Spain .....	9 02 11 50 61
Sweden .....	0 87 50 99 11
Switzerland .....	08 48 21 20 00
Taiwan .....	02 23 96 10 06
Thailand .....	0 22 68 11 18
Tunisia .....	71 86 19 02
Turkey .....	0 21 65 79 71 00
Ukraine .....	8 80 05 01 00 00
United Arab Emirates .....	0 43 31 95 78
United Kingdom .....	0 87 05 33 44 11
USA .....	1 88 87 77 02 11
Venezuela .....	0 80 01 00 56 66
Vietnam .....	45 63 22 44
Zimbabwe .....	04 36 94 24

## Care and maintenance

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

- Protect your phone from moisture and humidity. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits. 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

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

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

**CE 0682**

### Technical data

GSM class:	4 (2 watt)
Frequency range:	880–960 MHz
GSM class:	1 (1 watt)
Frequency range:	1,710–1,880 MHz
GSM class:	1 (1 watt)
Frequency range:	1,850–1,990 MHz
Weight:	76.5 g
Size:	83 × 45 × 18.2 mm (68 cm <sup>3</sup> )
Li-ion battery:	600 mAh
Operating temperature:	–10 °C... +55 °C (14°F to 131°F)
SIM card:	3.0 V or 1.8 V

#### Phone ID

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

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

.....

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

.....

the customer service number of the service provider:

.....

#### Lost phone

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

### Operating time

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

Talk time: Up to 300 minutes.

Standby time: Up to 220 hours.

## Accessories

Available Accessories are:

### Fashion & Carry

Leather Case FCL-100

### Energy

Li-Ion Battery 600 mAh EBA-110

Travel Charger EU ETC-500

Travel Charger UK ETC-510

Car Charger Plus ECC-600

Car Charger ECC-500

Desk Top Stand EDS-600

### Handsfree portable

Headset Basic HHS-500

Headset HHS-510

Headset Purestyle HHS-610

### Office

Data Cable DCA-500

Data Cable USB DCA-510

SyncStation DSC-500

## Car Solutions

Car Kit Portable HKP-500

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



## SAR

INFORMATION ON RF EXPOSURE / SPECIFIC ABSORPTION RATE (SAR)

### THIS MODEL MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE 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 **0.34 W/kg**. In positions other than the head, such as on the body, a separation distance of **1.5 cm** is required. The highest SAR value in this case was **1.15 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-CF110**.

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](http://www.phonefacts.net), the Canadian Wireless Telecommunications Association (CWTA) website [www.cwta.ca](http://www.cwta.ca) or Siemens ([www.siemens.com/mobilephones](http://www.siemens.com/mobilephones)).



## U.S. FDA

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

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

#### Why the concern?

Mobile phones emit low levels of radio frequency energy (i.e., radio frequency radiation) in the microwave range while being used. They also emit very low levels of radio frequency energy (RF), considered non-significant, when in the stand-by mode. It is well known that high levels of RF can produce biological damage through heating effects (this is how your microwave oven is able to cook food). However, it is not known whether, to what extent, or through what mechanism, lower levels of RF might cause adverse health effects as well. Although some research has been done to address these questions, no clear picture of the biological effects of this type of radiation has emerged to date. Thus, the available science does not allow us to conclude that mobile phones are absolutely safe, or that they are unsafe. However, the available scientific evidence does not demonstrate adverse health effects associated with the use of mobile phones.

#### What kinds of phones are in question?

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

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

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

velopment used animals that had already been treated with cancer-causing chemicals, and other studies exposed the animals to the RF virtually continuously – up to 22 hours per day.

For the past five years in the United States, the mobile phone industry has supported research into the safety of mobile phones. This research has resulted in two findings in particular that merit additional study:

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

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

2. Researchers conducted a large battery of laboratory tests to assess the effects of exposure to mobile phone RF on genetic material. These included tests for several kinds of abnormalities, including mutations, chromosomal aberrations, DNA

strand breaks, and structural changes in the genetic material of blood cells called lymphocytes. None of the tests showed any effect of the RF except for the micronucleus assay, which detects structural effects on the genetic material. The cells in this assay showed changes after exposure to simulated cell phone radiation, but only after 24 hours of exposure. It is possible that exposing the test cells to radiation for this long resulted in heating. Since this assay is known to be sensitive to heating, heat alone could have caused the abnormalities to occur. The data already in the literature on the response of the micronucleus assay to RF are conflicting. Thus follow-up research is necessary.<sup>2</sup>

FDA is currently working with government, industry, and academic groups to ensure the proper follow-up to these industry-funded research findings. Collaboration with the Cellular Telecommunications 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.<sup>3</sup>
- In a study of 209 brain tumor cases and 425 matched controls, there was no increased risk of brain tumors associated with mobile phone use. When tumors did exist in certain locations, however,

they were more likely to be on the side of the head where the mobile phone was used. Because this occurred in only a small number of cases, the increased likelihood was too small to be statistically significant.<sup>4</sup>

In summary, we do not have enough information at this point to assure the public that there are, or are not, any low incident health problems associated with use of mobile phones. FDA continues to work with all parties, including other federal agencies and industry, to assure that research is undertaken to provide the necessary answers to the outstanding questions about the safety of mobile phones.

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

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

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

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

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

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

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

## 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.

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

# Intellectual property

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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.

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Ten Driving Safety Tips

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

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

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

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

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

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

Provided by the Cellular Telecommunications Industry Association (CTIA)

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