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### Legal notices

## 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 AX75 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.

right page (3) of AX75 Pegasus, fcc, us-en, (31.05.2005, 08:47)

## 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

## 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 the proplanes, petrol stations, hospitals or while driving.



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



The ringtones, message tones and handsfree (p. 14) talking are reproduced through the loudspeaker. Do not hold the phone to your ear when it rings or when you have switched on the handsfree function (p. 14). 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 use an optical magnifier to look at the activated infrared interface [Class 1 LED product (classification as per IEC 60825-1)].



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 % mercuryfree) or SIM card. You must not open the battery under any circumstances. All other changes to this device are strictly prohibited and will invalidate the guarantee.

#### Important:



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



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



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

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

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

#### Important

Read this information before using your wireless handheld phone.

Safety precautions

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 handsfree 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

### Safety precautions

phones responsibly and to employ handsfree 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 condi-

## 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

tions so require.

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

#### **Pacemakers**

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

### Persons with pacemakers

- should ALWAYS keep the phone more than six inches from their pacemaker when the phone is turned ON;
- should not carry the phone in a breast pocket;
- should use the ear opposite the pacemaker to minimize the potential for interference;

• should turn the phone OFF immediately if there is any reason to suspect that interference is taking place.

#### Hearing aids

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

#### Other medical devices

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

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

#### Vehicles

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

#### Posted facilities

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

## Airplanes

FCC and Airline Regulations prohibit using your phone while in the air. Turn your phone OFF when requested by the airline. Check and comply with the policy of your airline regarding the use of your phone while the airplane is on the ground.

#### Blasting areas

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

#### Potentially explosive atmospheres

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

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

## Emergency calls (SOS)

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

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

network services or phone features are in use. Check with local service providers regarding their network features.

Safety precautions

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.

- Only use the batteries specified for use with this mobile phone.
- Do not use batteries of different sizes or from different manufacturers in this mobile phone.

## 8 Safety precautions

- 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.
- 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 Soft keys

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

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

## 4 on/Off/End key

- Switched off: press and hold to switch on.
- 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.
- In standby mode: press and hold to switch off phone.

S Navi-key

#### In lists and menus:

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

## During a call:

- Open call menu.
- Start adjusting the volume then set volume with ( ).
- Open Addressbook/Phonebook.

### In standby mode:

- (A) Voice control (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, camera etc.

Infrared interface (IrDA)

## 10 Display symbols

## Display symbols

Display Syllibols		
Display sy	mbols (selection)	
<i></i>	Signal strength	
$\hookrightarrow$	Charging	
	Battery charge level, e.g. 50%	
	Addressbook/Phonebook	
<b>₽</b> □	Call records	
$\mathcal{G}$	Surf & fun/Service provider portal	
1	Organizer	
$\searrow$	Messages	
$\Box$	Ring tones	
<u> </u>	Extras	
	Own stuff	
2	Setup	
41	Call(s) is/are diverted	
Ø	Ringer off	
û	Short ring (beep) only	
≯¦Û	Ringtone only, if the caller is stored in the Addressbook/Phonebook	
<b>(D)</b>	Alarm set	
((·	Alarm clock activated	
I	Keypad locked	
Ċ	Message memory full	
N	No network access	
ABC/ Abc/abc	Indicates whether upper or lower- case letters are active	
T9Abc	Text input with T9	

GP RS	Activated and available				
IGP!	Registered				
GP RS	Temporarily interrupted				
<b>3</b>	Internet online				
→ GP ←RS	Internet via GPRS online				
	Internet no network				
<b>A</b>	Auto answer feature on				
rganiser	rganiser symbols (selection)				
	Memo				
0	Call				
8.8	Meeting				
	Birthday				
***	Anniversary				
ccess with left soft key (selection)					
$\searrow$	Message received				
$>\!$	MMS notification received				
00	Voice message received				
<u></u>	Unanswered call				
lonondino	ananding on the consist provider come of the				

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

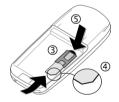
# Getting started Using the SIM card/battery

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.

Press depression ① to remove the cover downwards in the direction of the arrow ②.



Insert SIM card ③ and push it fully into the locating slot (make sure the angled corner is in the correct position ④).



To remove the SIM card push the card here ⑤.

Siemens AG 2004, C:\Siemens\DTP-Satz\Produkte\AX75\_Pegasus\_1\out-

Insert the battery sideways into the phone ⑤, then press downwards ⑦ until it engages.



To remove, press the retaining tab (8) then lift the battery out.

Place cover on phone and push to the upper edge, until it clicks into place **(9)**.



Always switch off phone before removing the battery!

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

## Charge battery

The battery is not fully charged when delivered. Plug charger cable into the bottom of the phone, plug power supply unit into 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.

VAR Language: am; VAR issue date: 050309



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  $+5^{\circ}$ C to  $+40^{\circ}$ C ( $+41^{\circ}$ F to  $+104^{\circ}$ F) if the temperature rises/falls  $5^{\circ}$ C above/below this, i.e drops to  $32^{\circ}$ F or rises to  $113^{\circ}$ F, the charge symbol flashes a warning. The mains voltage specified on the power supply unit must not be exceeded (Operating time, p. 30).

## 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

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 **1** to switch on or off.

## **Enter PIN**

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

Enter the PIN using the number keys. The characters \*\*\* appear to ensure nobody can read your PIN on the display. Correct errors with Plani.

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

## 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

On/Off/End kev.

The following symbols are used to explain operation:



Enter numbers or letters.



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.

## Menu control

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

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

Press Menu → <sup>2</sup> □ → 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.

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

## 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.

## Change 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 phonecode protected functions.

## Clear SIM card barring

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

## 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.

14

## Calling

## Dialling with number keys

Calling

The phone must be switched on (standby mode). Dial number (always with area code, if necessary with international dialling code). To dial 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 ......

## Accept call

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

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!

## 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 Hold

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. 22), 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.

## **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. 13)!

Confirm code input with OK.

Press Change and enter number (press

Adressbook p. 17 or Phonebook p. 16).
Confirm "On" with OK.

To dial, press and **hold** the right soft key.
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:

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 dis-

played after the relevant letters.

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.

Press once/repeatedly:

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

Press and hold: Writes 0.

Writes blank, Press twice = jumps a line.

## Special characters

Press \* briefly. The character map is displayed:

1)	ż	i	_	;		,	?	!	+
-	"	,	:	*	/	(	)	n	¥
\$	£	€	@	١	&	#	[	]	{
}	%	~	<	=	>		۸	§	Γ
Δ	Θ	٨	Ξ	П	Σ	Φ	Ψ	Ω	

1) Line break

1

Navigate to characters with (\*), (\*) and press Selection.

## Input menu

Press and hold \* with text input. The input menu ist 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 → ✓ → Message setup → T9 preferred - Change (activate/deactivate T9).

## Select Input language

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

Menu → ✓ → Message setup → Input language > Selection (the new language is set)

### Write a word using T9

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

Text entry

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

Press briefly # for T9Abc then 46835 and (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.

#### Additional information

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. 15).

Press and hold: Open input menu

## T9 word suggestions

If the word you want has not been recognised, the next suggestion from T9 may be correct.

The word must be highlighted. Then press াি [2] বা. 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 T9support and accept with Save into the dictionary.

#### 16 Default book

#### Correct a word

Words written with T9:

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

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

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United Kingdom Pat. No. 2238414B;

Hong Kong Standard Pat. No. HK0940329; Republic of Singapore Pat. No. 51383; Euro.Pat. No. 0 842 463 (96927260.8)

DE/DK, FI, FR, IT, NL, PT, ES, SE, GB; and additional patents are pending worldwide.

## Default book

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).

→ Phonebook / Address book → (set as standard)

## **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):

Open Phonebook (in standby mode)

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

Press Save to store the new entry.

## Call (search for an entry)

Open phonebook  $\bigcirc$  , select name and and press the Call key  $\frown$  .

## <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.

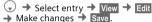
#### Birthday

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 accoustic 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



## Voice dialing

Dial numbers by voice command. Up to 20 recorded names for voice dialling or voice commands (p. 25) 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 dialing
→ (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.

## Records

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

Records

Here you will find Missed calls, Calls received, Calls dialed, Delete records.

## **Duration/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. These Functions are dependent on your service provider. Please check with your service provider for more information.

Menu → ‡ Duration/charges

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

## Voice message/ mailbox

Menu → ✓ → Message 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. 22).

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

SMS

## Settinas

Ø. 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.

#### Save call divert number

Calls are diverted to this phone number (see also p. 22).

Menu → 🖎 → Phone setup → Forward → e.g., Unanswered → Set → (dial divert number) → OK (register number at the network). Divert will be confirmed after a few seconds (see also p. 22).

### Listening to message

A new voice message can be announced as follows: An oo icon with beep or 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 → ✓ → Message 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.

## Writing and sending

Menu → 🖂 → New SMS → (write text)  $\rightarrow$   $\leftarrow$   $\rightarrow$   $\bigcirc$   $\leftarrow$  (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. 15. Press Clear briefly to delete letter by letter, press and hold to delete an entire word.

#### Special functions SMS to group

Ø!

**β!** 

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 soft key.

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).

Insert. The picture list is opened Picture:

for selection. Edit. Write text with the help

Text: of T9.

Sound: Insert. Select a melodie (p. 26) 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.

MMS

## Attach extra pages

Options -> New slide

## Attach business card

Options → Extras → Scroll to Business card → IIII→

## Attach appointment

Options → Extras → (2) Scroll to Appointment →

#### Send MMS

Options -> Send

## Sending a photo by MMS

You can easily send a photo as an MMS immediately after taking it with the "QuickPic" camera.



→ Send via MMS → Selection (select the desired resolution) > Skip (skip recording a melody p. 19).

The MMS Editor starts. Simply complete the following input fields:

Telephone number / To: e-mail address of the recipient/s.

Title of the MMS (maximum of Subject: 40 characters).

The MMS is now ready to send:

Options -> Send

## Receive/read MMS

An arrival of a new MMS/notification of an MMS is announced on display with I No. Press the left soft key to read the MMS or notification.

Depending on the setting, 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.

### 20 Message setup

- Open attachments using Options and Attachments.
- Open images and tones using Options and Content.

## Message setup

Menu → ✓ → Message 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/ax75

## 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.

### Volume

Set different volumes for types of call/functions.

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.

## Surf & fun

## Internet browser

Menu  $\rightarrow \mathcal{J} \rightarrow$  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.

## End connection

Press and **hold** o to close the browser. After GPRS/CSD lingertime (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. 15.

Press repeatedly for:

### Profiles

Menu → Ø → Internet → Profiles

### Activate profile

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

## Games & more

Applications and games can be found at wap.siemens.com or on the Internet at www.siemens.com/ax75

#### Additional information

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

Siemens excludes all warranty and liability claims in respect of or in connection with any applications subsequently installed by the customer and any software not included in the original delivery package. This also applies to functions enabled subsequently at the customer's instigation. The purchaser bears sole risk for the loss of, damage to, and any defects arising in, this device or the applications and for any direct damage or consequential damage of whatever nature resulting from the use of this application. For technical reasons, such applications and subsequent enabling of certain functions are lost in the event of the device being replaced/re-supplied and may be lost if it is repaired. In such cases, the buyer is required to download or enable the application again. Please ensure that your phone has Digital Rights Management (DRM) so that downloaded applications are protected from unauthorised reproduction. These applications are then exclusively intended for your phone and cannot be transferred from this even to create a backup. Siemens offers no warranty or guarantee nor does it accept any liability for the customer's ability to download or enable applications again or to do so free of charge. We recommend that you carry out a backup from time to time of the applications on your Windows® PC using the Siemens Data Exchange Software (to download from the Internet: www.siemens.com/ax75

## Setup

## **Profiles**

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

Setup

#### Airplane mode

Menu → 🔍 → Profiles

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

## 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:

### More settings...

Wallpaper, Logo, Color scheme, Screensaver, Start up animation, Shut down animation, Greeting, Large letters, Illumination, Contrast.

## Call setup

#### Hide ID

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

Ø!

### 22 Setup

#### Call waiting

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

#### Forward

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

- · Unanswered
- All calls
- Status check
- Clear all

## 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  $\rightarrow$   $\bigcirc$   $\rightarrow$  Clock  $\rightarrow$  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 standby mode.

### Automatic switch off

The phone switches off each day at the set time.

## Connectivity

Menu → 🔾 → Connectivity → Select function.

#### **GPRS**

Ø.

Ø.

Yes / No Switch GPRS function on/off.

GPRS info

**β!** 

Display of information on connection status.

#### IrDA

Your phone has an infrared interface. With this interface, you can exchange data such as pictures, ringtones and phonebook entries with other appliances which also have an infrared interface. The distance between two devices must not exceed 30 cm/12 inches. The infrared windows in both devices must be aligned as accurately as possible with each other.

#### 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.

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/

**mobilephonescustomercare** in the FAQ section).

Select profile 
Change sett.

Options 
Edit 
(Enter data)

## HTTP profile

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

## Security

### 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. 17).

#### Codes

PIN control, Change PIN, Change PIN2, Change phonecode, (p. 13).

(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.

### Phone identity

This SIM only

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. 26) is formatted and all data that has been saved is deleted, including e.g. ringtones, images, games etc.

Setup

#### 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: #9999# 6

## Network

Menu → 🔍 → Network Select function.

#### Line

Ø!

₿!

Ø! Choose between two independent

## telephone numbers.

Network info

#### A list of GSM networksis displayed. Auto network selection

Choose network

Network search is restarted.

### Preferred network

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

### Band selection

## Fast search

## User group

Depending on service provider, you can create groups with this service.

₿!

## 24 Organizer

## Accessories

Menu → Accessories
→ Select function.

#### Car Kit

#### Auto answer

Calls are accepted automatically after a few seconds.

### Headset

Accept call with Call key or PTTkey (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. 22).

Page between days with ① . Press ① briefly to page between weeks, press and hold ② 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 → 1 → Appointments

All appointment entries are displayed in chronological order. If an alarm is missed it appears in the list of missed appointments (p. 25).

#### Enter new appointment

Press ( ).

Select the **Type** of your appointment. Add **Description**, **Date** and **Time**.

#### Alarm:

Alarm

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

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 → 1 → Notes

T9 support (p. 15) makes writing short notes such as shopping lists easier.

### Missed alarms

Menu → ① → 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 soft key with symbol PD.

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 soft key repeatedly. + Toggle between "+" and "-". % Convert to percentage.

⊎/७ Save /Retrieve number. Exponent (max. two digits). Special keys:

Set decimal point.

Add (press and hold).

## Currency conv

Menu → □ → Currency conv

Calculate the exchange rates. You can enter three currencies.

Extras

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

#### Otherwise:

Options -> New entry -> Enter symbols for the currencies  $\rightarrow$  OK  $\rightarrow$  Enter exchange rate -> Save with Options and OK.

## 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.

## Voice command

Menu → □ → Voice command

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 command

A list with the functions available is displayed. ( Select function. Press Record. Confirm selected function with Yes.

Press Start to start recording.

#### 26 Fast access key

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 soft key 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 soft key

Assign a function/phone number to the left soft key 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).

#### Appl

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.

## 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/ mobilephonescustomercare

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 Info) and if available, your Siemens Service customer number.

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

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

Cauadas	18 00 10 10 00
	0 23 33 41 11
	6 30 47 97
	09 22 94 37 00
France	01 56 38 42 00
	0 90 01 00 77 00
Greece	
Hong Kong	28 61 11 18
Hungary	06 14 71 24 44
Iceland	5 11 30 00
	22 24 98 70 00 Extn: 70 40
	0 21 46 82 60 81
	18 50 77 72 77
Italy	02 24 36 44 00
Ivory Coast	05 02 02 59
Jordan	0 64 39 86 42
Kenya	2 72 37 17
Kuwait	2 45 41 78
Latvia	7 50 11 18
Lebanon	01 44 30 43
Libva	02 13 50 28 82
Lithuania	8 70 07 07 00
	43 84 33 99
	02 13 14 84
	+ 6 03 77 12 43 04
Malta	+ 35 32 14 94 06 32
	2 11 62 13
	01 80 07 11 00 03
Morocco	22 66 92 09
	0 14 50 05 00
	22 70 84 00
	79 10 12
	02 15 66 22 00
	8 00 10 20 04
	0 80 05 24 00
	0 27 57 11 18
	8 08 20 15 21
	04 32 20 10
	02 12 09 99 66
	8 80 02 00 10 10
	0 22 26 00 43

#### 28 Care and maintenance

Serbia	01	13	07 (	00	80
Singapore		.62	27 '	11	18
Slovak Republic					
Slovenia	0	14	74 6	63	36
South Africa					
Spain	9	02	11 !	50	61
Sweden	0	87	50.9	99	11
Switzerland					
Taiwan					
Thailand					
Tunisia					
Turkey	0 21	04	09 3	20	20
Ukraine					
United Arab Emirates					
United Kingdom	0 87	05	33 4	14	11
USA					
Venezuela	0 80	01	00 5	56	66
Vietnam	84	89	20 2	24	64
Zimbabwe					

## 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. Should your phone nonetheless become wet, disconnect it immediately from any power supply, remove the battery and leave the open phone to dry at room temperature!
- Do not use or store the phone in dusty, dirty areas. Its moving parts may become damaged.
- Do not store your phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries and warp or melt certain plastics.
  - Do not store your phone in cold areas. When the phone warms up again (to its normal ambient temperature), moisture can form inside the phone, which may damage electronic circuit boards
- Do not drop, knock or shake your phone. Rough handling can damage internal circuit boards!
- Do not use 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 are not working properly, take them to your nearest qualified service outlet. The personnel there will assist you and, if necessary, repair the device.

## **Battery quality declaration**

The capacity of your mobile phone battery is reduced each time you charge/discharge it. Storing the battery at temperatures that are too high or too low also causes a gradual loss of capacity. This can significantly reduce the operating times of your mobile phone, even after it has been fully charged.

The battery is, however, designed to be capable of being charged and discharged for a period of six months from when the mobile phone was purchased. Following this six-month period, we recommend replacing your battery if you experience a significant drop in performance. Only purchase original Siemens batteries.

## Display quality declaration

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

Please note 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

# € 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 g
Size:	105.6x46.8x17.5 mm (75 cm <sup>3</sup> )
Li-ion battery:	600 mAh
Operating temperature:	-10 °C +55 °C
SIM card:	3.0 V or 1.8 V

#### 30 Accessories

#### 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: 90 to 300 minutes. Standby time: 50 to 220 hours.

Action taken	Time (min)	Reduces standby time by
Calling	1	30 - 90 minutes
Light *	1	60 minutes
Network search	1	5 -10 minutes

<sup>\*</sup> Keypad input, dynamic light games, organiser, etc.

## **Accessories**

Available Accessories are:

## Fashion & Carry

Tour Case FCT-650 Belt Case FCL-600

## Energy

Li-lon Battery 600 mAh EBA-670 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

## Multitainment

Quick Pic Camera IQP-500

## **Car Solutions**

Car Kit Portable HKP-500 Car Kit Easy HKP-700 Car Kit Easy Upgrade HK0-700

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

SIEMENS	Siemens Original Accessories
Original Accessories	www.siemens.com/shop

## **SAR (AX75)**

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

THIS SIEMENS AX75 PHONE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO ELECTROMAGNETIC FIELDS.

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

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

Before a phone model is available for sale to the public, it must be tested and the manufacturer must certify to the FCC and Industry Canada that it does not exceed the limit established by each government for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body), reported to the FCC and available for review by Industry Canada. The highest SAR value for this Siemens AX75 when tested for use at the ear is

0.42 W/kg\*\*\*

and when worn on the body<sup>+</sup> is 0.28 W/ka\*\*\*

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

SAR information on this Siemens AX75 phone is on file with the FCC and can be found under the Display Grant section of www.fcc.gov/oet/fccid.

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

For body worn operation, this mobile phone has been tested and meets FCC RF exposure guidelines when used with a Siemens accessory designated for this product, where available, or when used with a carry accessory that contains no metal and that positions the handset at least 1.50 cm/0.59 inch is the correct testing distance from the body. Use of other carry accessories may not ensure compliance with FCC RF exposure quidelines.

## 32 SAR (AX75)

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

www.siemens.com/mobilephones
\*\* averaged over 1 g of tissue.

\*\*\* SAR values may vary depending on national requirements and network bands. SAR information for different regions can be found at www.siemens.com/mobilephones © Siemens AG 2004, C:ISiemensIDTP-SatzIProdukteIAX75\_Pegasus\_1\outputISUGIAX75\_fcc\_approval\_050519\_teIS\_Pegasus\_SAR\_fcc.fm



## U.S. FDA

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

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

#### Why the concern?

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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 standby 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? Ouestions have been raised about handheld 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 auestioned.

#### 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-

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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:

 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 benian tumor of the nerve sheath). No statistically significant association was found between mobile phone use and acoustic neuroma. There was also no association between mobile phone use and gliomas when all types of gliomas were considered together. It should be noted that the average length of mobile phone exposure in this study was less than three years.

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

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

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

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

reported recently in the literature:

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

they were more likely to be on the side of the head where the mobile phone was used. Because this occurred in only a small number of cases, the increased likelihood was too small to be statistically significant.<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 casecontrol study of brain cancers by the National Cancer Institute, as well as the follow-up research to be sponsored by industry, will begin to generate this type of information.

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

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

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

- Support needed research into possible biological effects of RF of the type emitted by mobile phones;
- Design mobile phones in a way that minimizes any RF exposure to the user that is not necessary for device function: and
- Cooperate in providing mobile phone users with the best possible information on what is known about possible effects of mobile phone use on human health.
- At the same time, FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of mobile phone safety to ensure a coordinated effort at the federal level. These agencies are:
- National Institute for Occupational Safety and Health
- · Environmental Protection Agency
- Federal Communications Commission

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- 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

 World Health Organization (WHO) International Commission on Non-Ionizing Radiation Protection (select Qs & As):

#### www.who.int/emf

- United Kingdom, National Radiological Protection Board: www.nrpb.org.uk
- Cellular Telecommunications Industry Association (CTIA):
   www.wow-com.com
- U.S. Food and Drug Administration (FDA) Center for devices and Radiological Health:

#### www.fda.gov/cdhr/consumer/

- 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.

## Ten Driving Safety Tips



## **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

Use your phone to help others in emergencies.

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

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

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

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

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

Provided by the Cellular Telecommunications Industry Association (CTIA)

40 Intellectual property

## Intellectual property

#### Intellectual Property Restrictions

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