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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

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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 bat-

tery condition, how you use your phone and other factors.

Memory

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

Warning!

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

Safety precautions

Information for parents

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

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



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



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



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



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

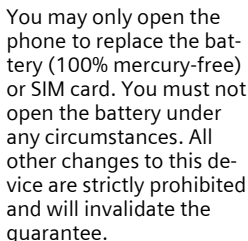
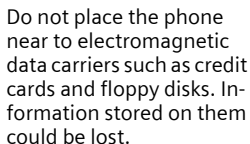
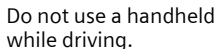


Small parts such as the SIM card, dust cap, lens ring and lens cap can be dismantled and swallowed by small children. The phone must therefore be stored out of the reach of small children.

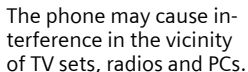


The mains voltage specified on the power supply unit (V) must not be exceeded. Otherwise the charging device may be destroyed.

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.



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



Use only 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 original accessories.

Product attributes are subject to changes in technology, design and availability. BenQ 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 **2.2 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.

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

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

- The initial connection between two devices, what is called "pairing", should take place in familiar surroundings.

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

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

Important

Read this information before using your wireless handheld phone.

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

Antenna care

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

Phone operation

Normal position

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

Tips on efficient operation

For your phone to operate most efficiently:

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

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, BenQ 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, BenQ encourages persons to use their phones responsibly and to employ hands-free devices. Also, if using your phone while driving, please:

- For vehicles equipped with air bags**

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.

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.

- 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.

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

① **Call key**

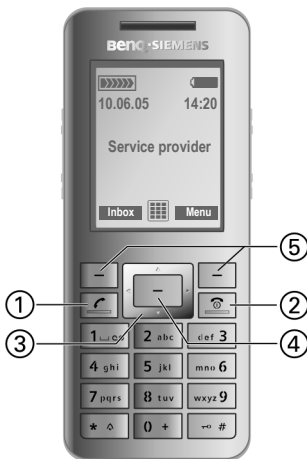
- ②  **On/Off/End key**

- ③ **Navi ring**

- ④  Centre key

- ## ⑤ Softkeys

The current functions of these keys are shown in the bottom line of the display as **Text** /symbol.

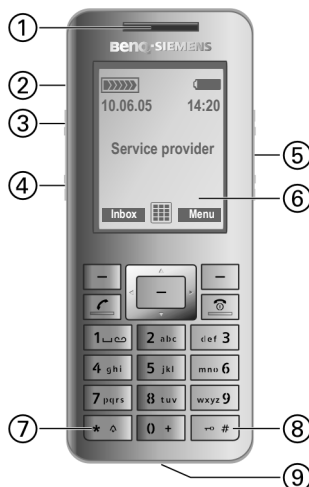


Pressing any key activates the display illumination.

12 Phone overview

- ① **Earpiece/Loudspeaker**
- ② **Double loudspeaker** on both sides of the phone
- ③ **Dictating machine**
Start the dictating machine to record a short memo or call (page 36).
- ④ **Fast dialling key**
Dial number assigned as Fast dialling (Assignment: page 32).
- ⑤ **+ / - Volume control**
- ⑥ **Display**
- ⑦ **Ringtone**
 - In standby mode, press and **hold** to switch ringtones and keytones on/off (e.g. alarm is still active). Vibration is activated automatically.
 - On incoming call, press and **hold** to switch off ringtone for this call.

- ⑧ **Key lock**
In standby mode, press and **hold** to switch key lock on/off.
Only emergency numbers can be dialled.
- ⑨ **Connection socket**
For charger, headset and other accessories.



Template: X75, Version 2.1; VAR Language: en; VAR issue date: 051116

	Signal strength
	Charging
	Battery charge level, e.g. 50%
	Phonebook
	Messages
	Internet
	Games
	Voice message
	Call records
	Alarm clock
	Organizer
	Extras
	Ring tones
	Settings
	My stuff
	All calls are diverted
	Ringtone off
	Alarm set
	Keypad locked
	Activated and available
	Bluetooth activated

- ❗ SMS memory full
- 🔌 No network access
- ❗ Phone memory full

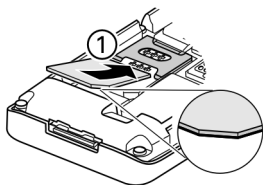
	Unread
	Read
	Sent
	MMS with DRM content (page 17)
	MMS notification received
	Voice mail received

Getting started

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

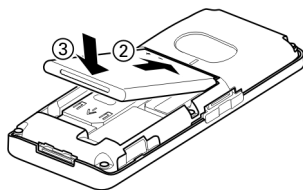
Inserting the SIM card

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

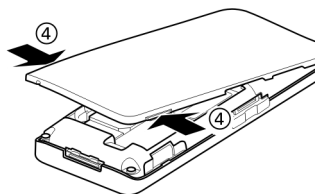


- Place the SIM card in front of the slot with the contact surface facing downwards. Then press the SIM card slightly to push it in ① (ensure that the chamfered corner is in the correct position).

Inserting the battery



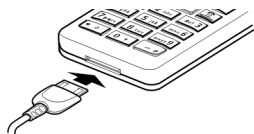
- Insert the battery into the phone ②, press it downwards ③ until it engages.
- To remove, lift the battery up and out.



- After inserting SIM card and battery close the battery cover.
- To remove, take hold of the cover at the small dents ④ on either side of the phone and lift the cover up. Do not use the acoustics slots for opening the cover.

Please switch off your phone before removing the battery!

Charging the battery



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

Display during charging:

Charging time

An empty battery is fully charged after about 2 hours. The mains voltage specified on the power supply unit must not be exceeded.

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

Switching on/off, PIN entry

Switching on/off



Press and **hold** key.

Entering PIN

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



Enter the PIN using the number keys. Asterisks are displayed to ensure nobody can read your PIN. Correct with .



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

Emergency number (SOS)

Only to be used in real emergencies!

By pressing **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 your phone on for the first time

Time/date

Set the time/date once.



Confirm. Press  again to start entry.



Enter the date (day/month/year) and time (24 hours).



Confirm. The time and date are updated.

Time zones



Select the desired time zone.



Select the city in the desired time zone.



Confirm.

General instructions

User guide

The following symbols are used to explain operation:



Enter numbers or letters.



Displays a softkey option.



Press the centre key.



Press navi ring in the direction indicated.



Function dependent on service provider, may require special registration.

Main menu



Call up main menu from standby mode.



Select application symbol.



Press to start application.

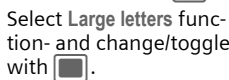
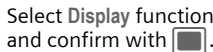
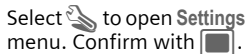
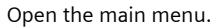
Tabs

Tabs allow fast access to information
 and applications



→ Display

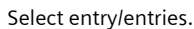
This comprises the following steps:



Mark mode

You can mark several entries on the tab in order to perform multiple functions at once.

Options Open menu and select **Mark** to activate mark mode.



Additional marking functions:

Options Open menu.



Digital Rights Management (DRM)

The use of downloaded pictures, sounds or applications can be restricted by the suppliers, e.g., copy protection, use for a limited period of time only, number of times it can be used etc.

Security

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

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

PIN code

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

PIN control



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



Press to change.



Enter PIN. Confirm with .

Change PIN codes



→  → Security
→ PIN code
→ Select function.

Change PIN

You can change the PIN (4 to 8 digits) to a number you easily remember.



Press to change.



Enter **current** PIN and confirm with .



Enter **new** PIN. Confirm.



Repeat **new** PIN. Confirm.

Change PIN2

Proceed as for **Change PIN**.

Change phonecode

Define the phone code (4–8 digits) when you start a phone-code protected function for the first time. It is then valid for all phone-code protected functions. To change the code proceed as with **Change PIN**.

Following the third incorrect attempt, access to the phone code functions is denied. Please contact Service (page 41).

Clearing SIM card barrings

If the PIN is entered incorrectly three times, the SIM card is barred.

Enter the PUK (MASTER PIN) provided by your service provider in accordance with the instructions.

If the PUK has been lost, contact your service provider.

Preventing accidental activation

Even if PIN use is deactivated (page 15) 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**.



Press.

Connection with PCs

You can connect your phone to a PC using Bluetooth or a data cable (accessories). The PC program MPM (Mobile Phone Manager) enables you to store data on PC and, e.g. synchronise the Addressbook with Outlook®, Lotus Notes™ and other Siemens phones (including Gigaset). You will find Mobile Phone Manager on the CD-ROM supplied or at: www.BenQ-Siemens.com/s68

Calling

Dialling with number keys



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

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



Press to dial the displayed phone number.

International dialling codes



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

Options

Open, then select **Country**.

Dialling with Fast dialling key / short cuts

Use the Fast dialling key  or the short cut keys (2 to 9) if numbers are assigned (see page 32). Press and **hold** number key or  to dial the number.

Setting the volume

+ / - Adjust the volume.

Last number redial



Press **twice**. The phone number **last** called is redialled.

Calling from the redial list see Call records, page 23.

Auto redial last number

Options

Open, then **Auto dial**. The phone number is dialled ten times at increasing time intervals.

Accepting a call



Press.

Additional information

Accept the call before bringing the telephone to your ear in order to avoid ear damage caused by the ringtones.

Handsfree

Options

Open, then activate/deactivate **Handsfr.**

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

Ending/Rejecting a call



Press **briefly**.

Establish a second call or conference

You can call another number during a call or link up a multi party call.

Options

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



Dial the new number and press .

Select input fields on tabs.

22

Phonebook



Enter at least one name and phone number with dialling code.



Open menu. Select **Save**.

Viewing/editing entries



Select required entry.



Open current tab to edit.



Open options menu.

Groups

You are offered 10 groups to enable you to arrange your contacts clearly.

Editing group attributes



Select group.

Options

Open menu and select **Properties**.

Adding a contact

Start function in the **All contacts** tab.



Select contact, press **Options**. Select **Add to group**. A contact can only belong to one group.

Online status

Display all contacts that have WV addresses (Instant Messages).

SIM

Display contacts on the SIM card.

New entry



Confirm **New entry** and name. Enter phone number and select the storage location.

Viewing/editing entries



Select entry and edit.

Filter

See phone book options below.

Phonebook options

Filter	Only those entries which match the filter criteria are displayed.
Create message	Create a message for the selected contact.
Search ID	Search for assigned Instant Message ID.
Internet	The URL assigned to the contact is visited via the WAP browser.
Open	Display own phone numbers (e.g. fax) for reference.
Add to group	Add entry to a group.

Time/charges

 →  → Time/charges

Options Open, then **Reset** to reset the setting.

Voice message

→ Voice message



Most service providers offer a mailbox in which a caller can leave voice mail for you. If this service is not part of your service provider's standard package, you will need to register for it, and possibly set it manually.



Select phone number.



Dial phone number.

List of calls that you have received but not answered.



Symbol in the display.

Settings

The service provider supplies you with two phone numbers:

Save mailbox number

Call to listen to your voice messages.

→ Voice message

List of the numbers you have dialled.



Press in standby mode.

Enter/edit the phone number and confirm with **OK**.

Delete records.

Save call divert number

Calls are diverted to this phone number.



→ Call setup



→ Divert

Options

Open, then select e.g. **Unanswered** and then **Set**.



Enter phone number.

Options

Open, then select **Save**.

Listening

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



Symbol with beep/an SMS or a call with automatic announcement.

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



Press and **hold**. If necessary enter mailbox number. Confirm with **OK**.

Messages

Your phone can send and receive standard text messages (SMS) and multimedia messages (MMS). MMS enables you to send text, pictures and sounds in a combined message.

Writing/sending an SMS/MMS



→ Create new



→ SMS/MMS



Enter text. Writing text with or without T9 (see below).



Enter phone number or open menu, then select **Add from** , select recipient(s) from phonebook.

Options

(for MMS) Open menu, select **Add item**, select item type or add attachment. You may choose a subject. Then



Enter phone number or select from phonebook.



Start sending process.

Text entry with T9

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



Press **briefly**: Select **T9abc**. Switch between the input modes: **T9Abc** for capital letters or **123** for numbers.



Simply press the keys **once** where the relevant letter is located.

For "and", for example

2 abc mno 6 def 3.



A blank ends a word.

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



Press, if it is not the right one. Repeat until the correct word is displayed.

To enter a word in dictionary:



Press and enter the word manually, then **Save**.

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

Text entry without T9



Press **briefly**: Select **abc**. Switch between the input modes: **Abc** for capital letters or **123** for numbers.



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



Press **briefly** to delete the letter left of the cursor. Press and **hold** to delete text quickly.



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



Press to insert space. Press twice to insert line feed.

SMS/MMS options (selection)

Add item	Add contents, such as Text, Pictures, Audio, Contacts, Attachment.
Create item	Create contents. Sound recorder (page 38).
Preview	Play entire MMS in the display.
Text edit menu	Input language, Mark text, Copy, Insert
Insert text	Text modules, Signature, Opening sentence, Contact details, Bookmark

Receiving SMS/MMS

If you have received a new message a notification is shown on the display.

View Opens the message.

In order to receive a complete MMS **later on**, open the notification.

Options Open, then select **View**.

Reply/Reply to all, Forward

Reading SMS/MMS

 →  → **Inbox**

Select the **SMS/MMS** tab.

 Select the message.

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

Message lists

Messages are displayed in separate lists. Select tab and read message(s).



→ **Drafts/Sent/Outbox/Msg. archive**

Drafts Save messages as draft while creating it. A message is saved automatically as draft if you accept an incoming call while creating the message.

Sent List of all sent messages.

Outbox List of messages that could not be sent yet or where transmission failed.

Msg. archive List of messages you want to keep permanently.

SMS/MMS settings



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

The basic settings have normally already been made by the service provider.

E-mail

Your phone has an e-mail program (client).

Writing/sending

→  → Create new
→ E-mail

Enter text.

Options Open menu, then select **Add item**. Select item type and/or add an attachment. Insert a subject, then select **Add subject**.

Enter e-mail address(es) or open menu, then select recipient(s) via **Add from** .

Call up additional fields such as **Subject**, **Cc:**, **Bcc:** via the options menu.

 Send e-mail.

Receiving/reading

Receiving/reading

Select the **E-mail** tab.

 Open menu. Select **Retrieve e-mail/Retrieve body**.

 Select message and confirm with .

Additional options include **Reply**, **Forward**, **Save attach**.

Draft/Sent/Archive

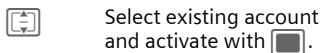


The tab for the messages not sent yet/sent/failed to send/archived is displayed.

Setting



Before using this service, set the server access and your e-mail parameters. You will receive the necessary data from the service provider or at: www.BenQ-Siemens.com/mobilephonescustomercare



Or

Options Open. Select Edit. Complete settings as indicated by the service provider (page 32).

Chat room



The function allows text-based conversation with one or more users who are also registered.

Your dialogue partners are entered in the contact lists. When a connection has been established, these lists show who is available, whether or not they want to be disturbed, etc.

Please refer to your service provider for further information.

WAP push



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



Select the required message.



Read the message about the transmitted data and, if applicable, trigger a download.

Additional options include **Execute**, **Install**, **Accept/Reject**.



→ CB services

Internet



→ Select function.

Access to the service provider

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

Download wiz.

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

Enter URL

On input the browser is started and the page displayed.

Bookmarks

Display list of stored pages.



Select a bookmark and call up URL with .

Bookmark site

The current page is saved as a bookmark.

Internet

Start browser with pre-set option.

Browser options

Homepage	Call up the pre-set homepage.
Bookmarks	Display stored list of bookmarks; save bookmark.
Go to...	Enter a URL
Reload	Reload current page.
Show URL	Display the URL of the current page for sending via SMS/MMS/e-mail.
History	Display most recently visited Internet sites.
Disconnect	Disconnect the Internet.
File	Save the object/complete page on the current page. Display saved pages.
Settings	Set or reset browser.
Exit browser	Close the browser.

End connection



Press to end connection
and close the browser.

Navigation in the browser

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

- One input field/link forward via the **Options** menu.
- One input field/link back with **Back** or via the **Options** menu.

Enter special characters

Select special characters.

Browser settingsOpen menu, select **Settings**.

Browser	Set start option as well as handling of pictures/sounds plus send options.
----------------	--

Protocol parameters	Set protocol parameters, push messages.
----------------------------	---

Security	Set encryption.
-----------------	-----------------

Context	Reset session; delete cache, history and cookies.
----------------	---

About...	Display information about the browser.
-----------------	--

History/Saved websites

Display the list of last visited/stored internet sites.

Your Internet browser is licensed by:

**OPENWAVE™**

Settings

Profiles

→ **Profiles**

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

- **General, Silent alert, Meeting, Outdoor, Car Kit, Headset**
- You can name two personal profiles (<Name>).



Select profile.



Activate the profile.

Additional information

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

Topics

→ **Topics**

Load a completely new visual presentation onto your phone, e.g.

Animations, Sounds, Color skins, Font, Wallpaper

Select theme.

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

 → → Display

Silent alert



Connectivity



Bluetooth® (BT)

Activate/deactivate Bluetooth and manage the list of known Bluetooth devices.

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

Additional information

To increase the standby time deactivate Bluetooth if it is not used.

Bluetooth sett.



Bluetooth activation.
My BT name: Give the phone a name the first time it is switched on.

Search

Specify which BT devices are to be searched for.

Device list

- Known devices

Record frequent BT partners in the list of known devices. If entries are "confidential", no password query is made.

- Last connect.

List of most recently and/or still connected devices.

- Reject list

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

- Last srch.result

List of the last devices found.

My BT name

Give a device name (max. 20 characters) which the partner sees. If no name is given, the non-changeable device address is used.

- **Visib.to others**

Make settings to specify how your phone should "act" when in contact with other BT devices.

- **Not visible**

Your phone is not "visible" to other BT devices.

- **Auto mode**

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

- **Always visible**

Your phone is always "visible" to other BT devices.

Shown in the display



Bluetooth activated.



Bluetooth visible to others.

Online settings

Default setting and activation of the connection profiles for data transmission. The phone default setting depend on the service provider. Consult your service provider or go to:

www.BenQ-Siemens.com/mobilephonescustomerscare

Fax/data

Send voice/fax



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

Rcve fax/data



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.

Shortcuts



→ Shortcuts sett.

Soft keys/Fast dialling key

You can assign one function to each of the two softkeys or a dialling number to the Fast dialling key.

Additional information

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

Navigation keys

Assign a function to three directions of the navigation key (only effective in standby mode). The downwards movement is assigned to opening phonebook and cannot be modified.

Setting up call divert



Select e.g. **Unanswered**.
(Includes the conditions
Not reachable, **No reply**,
Busy). Confirm with ☐.

Set



Select the key.



Open the list.



Select <Phone number> from the list to assign a number or select an application to assign a function. Confirm with .

Select. Enter a phone number to which the call is to be diverted. Confirm the notification with .

All calls



All calls are diverted.



Symbol in standby mode.

Other possibilities for divert:

Not reachable, No reply, Busy, Receiving
fax, Receiving data

Call settings



→ Call settings

Hide ID



If activated, your phone number will not appear on the other party's display.

Alert calls from

Only calls from phone numbers that are in the phone book or in a group are signalled audibly. Other calls are only displayed.

Call waiting



Activate/deactivate call waiting.

Any key

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

Divert

Divert calls to your mailbox or other phone numbers.

Minute beep

During the call, you (and only you) will hear a beep after each minute as a reminder of the time elapsed.

Phone settings



Change the phone's **Language**, **Key tones**, **Info tones**. Set that the phone switches off automatically each day at the same time.

Phone identity

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

Device check

After the last information page, a self-test (all individual tests) as well as individual tests are offered.

Software version

* # 0 6 #, then press .

Fact. settings

Reset the phone to the default values (factory setting). This does not affect SIM card/network settings.

In standby mode enter:

* # 9 9 9 9 # 

Clock



Time/date

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



Start editing and enter date/time.

Security



Auto key lock

The key pad is locked automatically if no key has been pressed for a specific time. You can still be called and make an emergency call.

Lock/unlock key pad in standby mode. In each case:



Press and **hold**.

Direct call

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

Only



Restrict calls to SIM-protected numbers in the phone book.

This SIM only



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

Certificates

Display certificates for secure data connections.

PIN code

For description, see page 18:

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

Organizer



→ Select function

Calendar

Enter appointments in the calendar. Set time and date (page 34) for the calendar to work correctly. The calendar offers three views: monthly view, weekly view and daily view.



Scroll between weeks/days/hours.



→ Accessories

Appointments

Appointments are displayed in chronological order in a list.

Enter new appointment

<New entry>

Select.

Category: Select Memo, Voice memo, Call, Meeting, Vacation, Birthday.

Tasks

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

Write and manage text notes. Protect confidential information using a phone code.

Dictat.machine



Or

Press the side key.

Use the dictating machine to record short memos or record calls.

New recording

<Record new>

Select. A brief beep sounds.

/ Pause/record.

Stop End recording.

Playback (via Media player)

Select the recording.

/ Playback/pause.

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

Warning!

The use of this feature may be subject to restrictions under criminal law. Please inform the other party to the conversation in advance if you want to record the conversation and please keep such recordings confidential. You may only use this feature if the other party to the conversation agrees.

Time zones

See page 16.

Remote synchronisation

Use this function remotely to synchronise the personal data on your phone (contacts, notes, calendar entries) with externally saved data.

Synchronisation

Before synchronisation you must select a profile (**Active account**) and a data area and enter the correct path to the data (**Server sett.**). Confidential notes are not transferred.

Sync The computer is selected and synchronisation started.

Two profiles can be set for synchronisation.

Alarm clock



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

To deactivate the alarm press any number key.

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

Or

Activate/deactivate the alarm clock.

Save the alarm call time.

Set the volume for all tones or set the tones for the different functions, e.g SMS, alarm clock.

 → → Select function.

Symbol for SIM services.

For further information, please contact your service provider.

See My stuff page 38.

Select file and confirm to start playback.

Play back melodies.

 Play or pause, depending on the situation.

Fast forward/rewind while key is pressed. This feature is not supported for all file/media types.

Load next/previous media file.

Set volume.

Switch to mute.

End playback.

Zoom function. Zoom in/out with the (+/-) softkeys.

 Move enlarged picture.

Centre picture.

Switch to full screen mode and back again.

Calculator

Use the calculator for a quick account on the way.

Unit converter

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

Online status

The application can be called up from various other applications, such as **Chat room** or from **Contacts**. In **Online status** you can set such attributes as "Availability" or "Mood", which are visible to subscribers to **Chat room**. You can also edit your status lists for the respective service here.

Sound recorder

Use the sound recorder to record noises and tones for use as ring-tones.

Recording and playback see Dictat.machine, page 36.

My menu

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

My stuff

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



Display the list of folders and files.



Select file or folder.



Open folder. Select file or link.

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

Download

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

Remember that pictures and sounds may be protected (Digital Rights Management).

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

Description file only

Complete download

The application/game is completely loaded.

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

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

www.BenQ-Siemens.com/s68

Directory structure

Separate folders have already been created for different data types in **My stuff**. These folders cannot be changed. The structure and contents can vary, depending on the service provider.

Folder	Description	Format
Sounds	Sounds, ringtones	mid, amr wav
Pictures	Pictures	bmp, bmx jpg, jpeg png, gif
Topics	Loaded theme (zipped)	sdt
	Theme configuration (unzipped)	stc
Phone Pilot	Selection of a character	sda
Games	Java archive	jar
	Download info	jad
Applications	Applications, such as Photo Editor or Download Assistant	*
Other	Text modules	tmo
	Voice recordings	vmo
	Internet pages	html wml

Mobile Phone Manager

MPM (Mobile Phone Manager) enables you to use extended phone functions from your PC. The phone and PC communicate via a data cable or Bluetooth. MPM offers you a large number of functions.

You can manage your address data and contacts and synchronise them with other phones (including Gigaset), dial at the press of a button, and manage phone conferences. Creating, reading, saving and sending SMS messages is also supported.

MPM, a detailed user guide, and on-line help are contained on the CD enclosed with this phone. You can download future versions of the software from the Internet at:
www.BenQ-Siemens.com/s68

Customer Care

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

Our online support on the Internet:
**www.BenQ-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 ) and if available, your service customer number.

Qualified 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 81 02 22 66 24
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	40 08 88 56 56
Colombia	01 80 07 00 66 24
Croatia	0 16 10 53 81
Czech Republic	2 33 03 27 27
Denmark	35 25 65 29
Dubai	0 43 96 64 33
Ecuador	18 00 10 10 00
Egypt	0 23 33 41 11
Estonia	6 30 47 97
Finland	09 22 94 37 00
France	01 56 38 42 00
Germany	0 18 05 33 32 26
Greece	80 11 11 11 16
Hong Kong	28 61 11 18
Hungary	06 14 71 24 44
Iceland	5 20 30 00
India	22 24 98 70 00 Extn: 70 40
Indonesia	0 21 46 82 60 81
Ireland	18 50 77 72 77
Italy	02 24 36 44 00
Ivory Coast	05 02 02 59
Jordan	0 64 39 86 42
Kenya	2 72 37 17
Kuwait	2 45 41 78
Latvia	7 50 11 18
Lebanon	01 44 30 43
Libya	02 13 50 28 82
Lithuania	8 70 07 07 00
Luxembourg	43 84 33 99
Macedonia	0 23 13 18 48
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 09 99 66
Russia.....	8 80 02 00 10 10
Saudi Arabia.....	0 22 26 00 43
Serbia.....	01 13 07 00 80
Singapore.....	62 27 11 18
Slovak Republic.....	02 59 68 22 66
Slovenia.....	0 14 74 63 36
South Africa.....	08 60 10 11 57
Spain.....	9 02 11 50 61
Sweden.....	0 87 50 99 11
Switzerland.....	08 48 21 20 00
Taiwan.....	02 23 96 10 06
Thailand.....	0 27 22 11 18
Tunisia.....	71 86 19 02
Turkey.....	0 21 64 59 98 98
Ukraine.....	8 80 05 01 00 00
United Arab Emirates.....	0 43 66 03 86
United Kingdom.....	0 87 05 33 44 11
Uruguay.....	00 04 05 46 62
USA.....	1 88 87 77 02 11
Venezuela.....	0 80 01 00 56 66
Vietnam.....	84 89 20 24 64
Zimbabwe.....	04 36 94 24

Care and maintenance

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

- Protect your phone from moisture and humidity. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits. Nevertheless, should your phone become wet, disconnect it immediately from the power supply to avoid electric shock. Do not place your phone (even to dry it) on/in a source of heat such as a microwave oven, oven or radiator. The phone may become overheated and possibly explode.
- Do not use or store the phone in dusty, dirty areas. Its moving parts may be damaged and the casing may become deformed and discoloured.
- Do not store your phone in hot environments (e.g. vehicle instrument panel in the summer). High temperatures can shorten the life of electronic devices, damage batteries and warp or melt certain plastics.
- Do not store your phone in cold environments. When the phone warms up again (to its normal ambient temperature), moisture can form inside the phone, which may damage electronic circuit boards.
- Do not drop, knock or shake your phone. Rough handling can damage internal circuit boards!
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the phone!

Display quality declaration

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

Battery quality statement

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 original batteries.

Product data

Declaration of conformity

Please call the company hotline if you require a copy of the original:

www.BenQMobile.com/conformity

CE 0168

Technical data

GSM class:	4 (2 watt)
Frequency range:	880 - 960 MHz
GSM class:	1 (1 watt)
Frequency range:	1.710- 1.880 MHz
GSM class:	1 (1 watt)
Frequency range:	1.850- 1.990 MHz
Weight phone:	78.5 g (2.8 oz)
Weight charger:	approx. 70 - 90 g
Size:	107.5 x 44 x 13.2 mm (4.2x1.7x 0.5 inches)
Li-Ion battery:	660 mAh
Operating temperature:	-10 °C... 55 °C (14°F to 131°F)
SIM card:	3.0/1.8 V

Phone ID

You will need the following details if you lose your phone or SIM card:
no. 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 the respective conditions of use: Extreme temperatures considerably reduce the phone's standby time. Avoid placing the phone in the sun or on a heater.

Call time

Up to 300 minutes.

Standby time

Up to 300 hours.

Action taken	Time (min.)	Reduction of stand-by time by
Calling	1	30–90 minutes
Light *	1	40 minutes
Network search	1	5–10 minutes
* Key input, games, calendar etc.		

INFORMATION ON RF EXPOSURE /
SPECIFIC ABSORPTION RATE (SAR)

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 **0.45 W/kg**. In positions other than the head, such as on the body, a separation distance of **2.2 cm** is required. The highest SAR value in this case was **1.39 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-S68**.

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

Additional Information can be found on the websites of the World Health Organization (<http://www.who.int/emf>), the Cellular Telecommunications Industry Association (CTIA) web-site at www.phonefacts.net, the Canadian Wireless Telecommunications Association (CWTA) website www.cwta.ca or BenQ Mobile (www.BenQMobile.com).



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.

Template:X75, Version 2.1;VAR Language: en; VAR issue date: 051116

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 ex-

pected to bear on the accuracy and repeatability of these results.¹

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

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

research based on such recommendations.

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

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

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

FDA continues to work with all parties, including other federal agencies and industry, to assure that research is undertaken to provide the necessary answers to the outstanding questions about the safety of mobile phones.

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

Some people who have used mobile phones have been diagnosed with brain cancer. But it is important to understand that this type of cancer also occurs among people who have not used mobile phones. In fact, brain cancer occurs in the U.S. population at a rate of about 6 new cases per 100,000 people each year. At that rate, assuming 80 million users of mobile phones (a number increasing at a rate of about 1 million per month), about 4800 cases of brain cancer would be expected each year among those 80 million people, whether or not they used their phones. Thus it is not possible to tell whether any individual's cancer arose because of the phone, or whether it would have happened anyway. A key question is whether the risk of getting a particular form of cancer is greater among people who use mobile phones than among the rest of the population. One way to answer that question is to compare the usage of mobile phones among people with brain cancer with the use of mobile phones

among appropriately matched people without brain cancer. This is called a case-control study. The current case-control study of brain cancers by the National Cancer Institute, as well as the follow-up research to be sponsored by industry, will begin to generate this type of information.

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

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

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

- Support needed research into possible biological effects of RF of the type emitted by mobile phones;
- Design mobile phones in a way that minimizes any RF exposure

to the user that is not necessary for device function; and

- Cooperate in providing mobile phone users with the best possible information on what is known about possible effects of mobile phone use on human health.
- At the same time, FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of mobile phone safety to ensure a coordinated effort at the federal level. These agencies are:
- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Federal Communications Commission
- Occupational Health and Safety Administration
- National Telecommunications and Information Administration

The National Institutes of Health also participates in this group.

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

If there is a risk from these products – and at this point we do not know that there is – it is probably very small. But if people are concerned about avoiding even potential risks, there are simple steps they can take to do so. For example, time is a key factor in how

much exposure a person receives.

Those persons who spend long periods of time on their hand-held mobile phones could consider holding lengthy conversations on conventional phones and reserving the hand-held models for shorter conversations or for situations when other types of phones are not available.

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

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

Where can I find additional information?

For additional information, see the following websites:

- Federal Communications Commission (FCC) RF Safety Program (select "Information on Human Exposure to RF Fields from Cellular and PCS Radio Transmitters"): **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/**

phone signal on cognitive function in man. *Int. J. Radiat. Biol.*, April 8, 1999.

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

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

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

³ Preece, AW, Iwi, G, Davies-Smith, A, Wesnes, K, Butler, S, Lim, E, and Varey, A. Effect of a 915- MHz simulated mobile

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

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

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

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

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

When available, use a hands-free device.

A number of hands-free wireless phone accessories are readily available today. Whether you choose an

installed mounted device for your phone or a speaker phone accessory, take advantage of these devices if they are available to you.

Position your phone within easy reach.

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

Suspend conversations during hazardous driving conditions or situations.

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

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

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

Dial sensibly and assess the traffic.

If possible, place calls when you are not moving or before pulling into traffic. Try to plan your calls before

you begin your trip, or attempt to coincide your calls with times you may be stopped at a stop sign, red light or otherwise stationary. But if you need to dial while driving, follow this simple tip – dial only a few numbers, check the road and your mirrors, then continue.

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

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

Use your phone to call for help.

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

Use your phone to help others in emergencies.

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

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

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

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

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

Provided by the Cellular Telecommunications Industry Association (CTIA)

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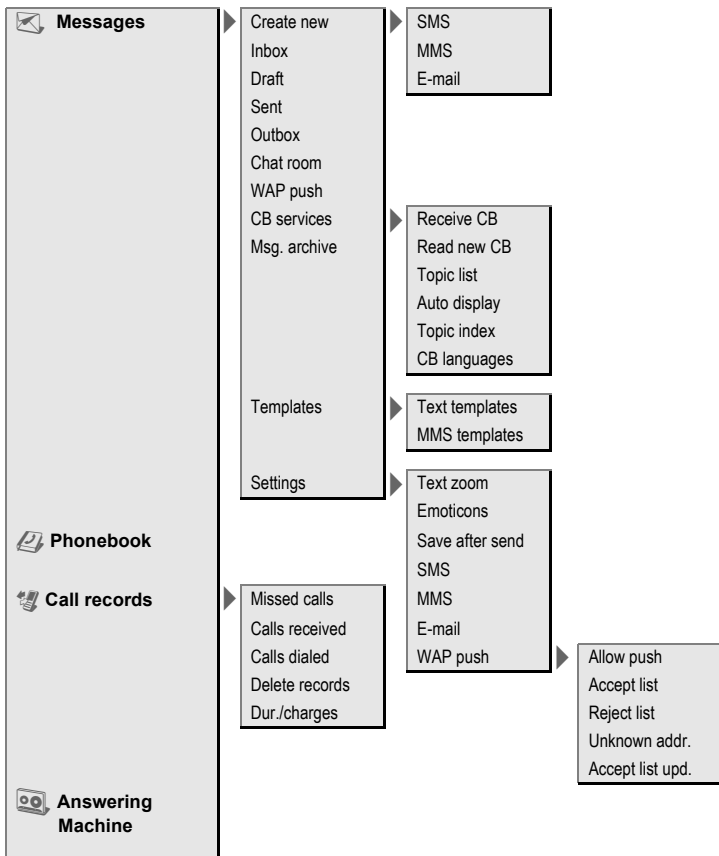
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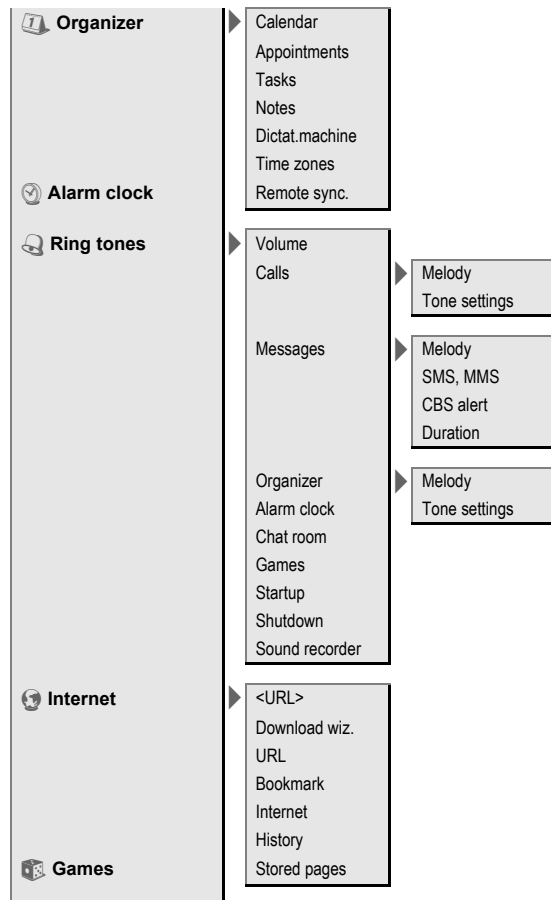
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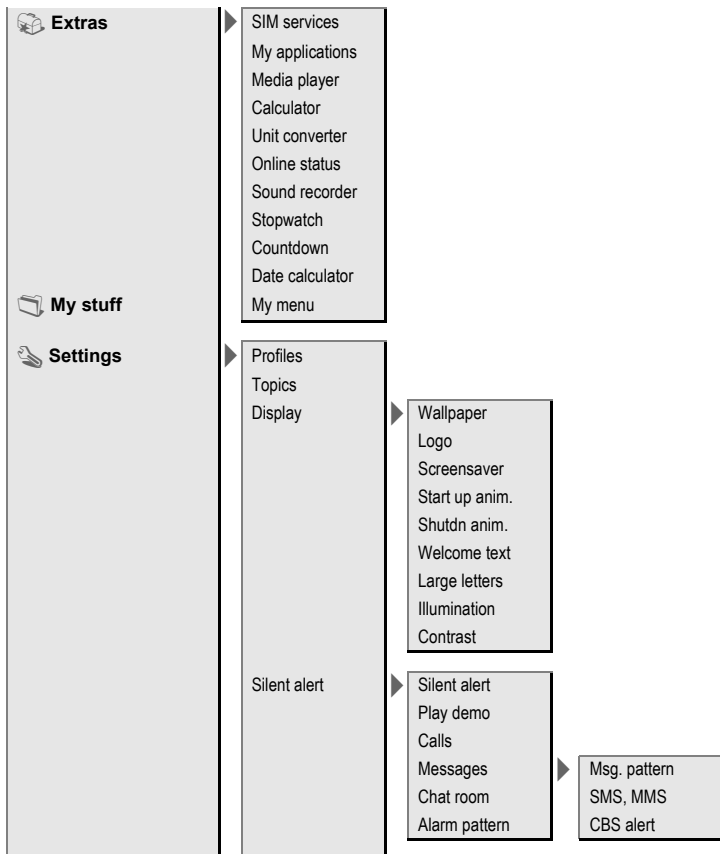
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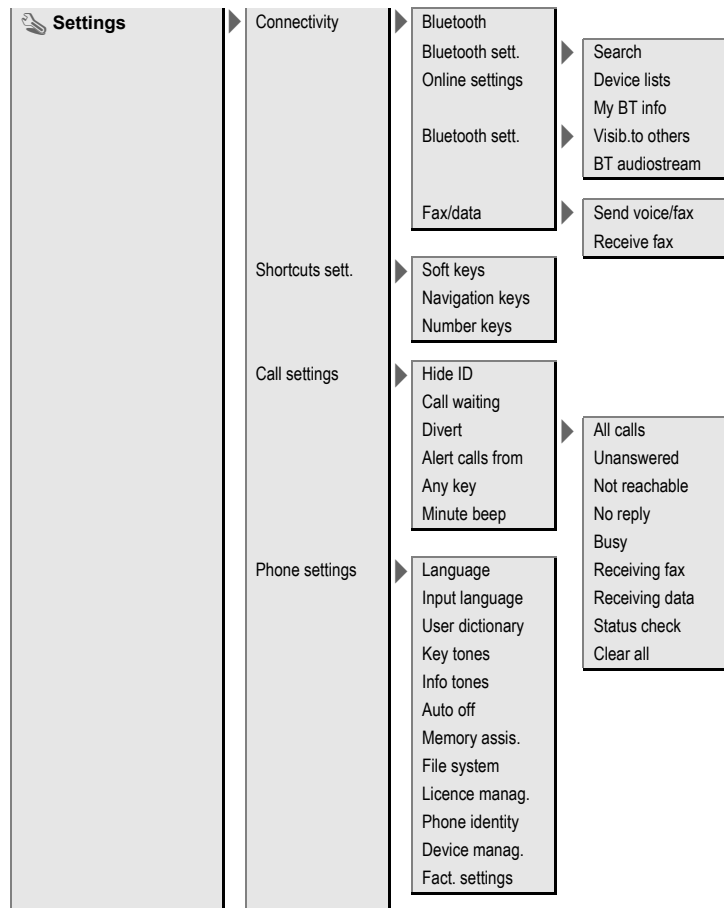




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