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Legal notices

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

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Export Information

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

Network Services

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

Standby and Talk Time Information

The mobile phone incorporates features that are new to the mobile phone world. These may include color displays and lighting, graphic games, music reproduction and browsing the Internet. The way you use the display and the features will affect the performance of the battery and how long it lasts between charge cycles. The quoted standby times and talk times show the minimum and maximum performance that can be expected from the battery under normal network conditions and with the default settings as set by the factory. However, playing games (particularly with the backlight continuously switched on) and listening to music will shorten the time available for standby and to make and receive telephone calls. Operation times also vary depending on network conditions, SIM settings, charging and battery condition, how you use your phone and other factors.

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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.

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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, sealing stop, lens ring and lens cap as well as the Micro SD Card 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.

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Do not use a handheld while driving.

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

You may only open the phone to replace the battery (100 % mercury-free), SIM and Micro SD 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 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 **1.5 cm** is required. When a carry case, belt clip or holder is used for body-worn operation, it should not contain metal and should position the device the above-stated distance from your body.

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Important

Read this information before using your wireless handheld phone.

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

Antenna care

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

Phone operation

Normal position

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

Tips on efficient operation

For your phone to operate most efficiently:

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

Driving

Laws pertaining to the use of mobile phones while driving vary significantly from state to state and sometimes even from locality to locality within states. For example, some areas may allow persons to use their mobile phones only if they employ a hands-free device, and some areas may prohibit the use of cell phones entirely. Accordingly, 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:

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

For vehicles equipped with air bags

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

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Electronic devices

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

Pacemakers

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

Persons with pacemakers

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

Hearing aids

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

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Other medical devices

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

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

Vehicles

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

Posted facilities

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

Airplanes

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

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

Blasting areas

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

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Potentially explosive atmospheres

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

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

Emergency calls (SOS)

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

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

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

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

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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.

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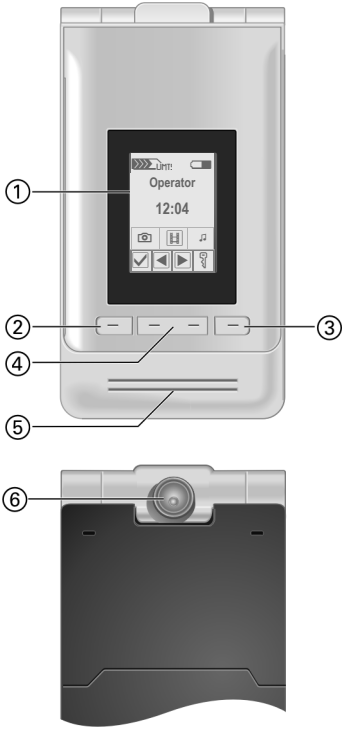
Phone overview

Clamshell closed



① **Outer display**

② - ④ **Outer softkeys**

The current functions of these keys are shown in the bottom line of the outer display as symbols.

Use functions while clamshell is closed. The outer softkeys have no function if the clamshell is open.

In standby mode:

② Start the selected application.

③ Press and **hold**: Lock/unlock outer softkeys.

④ Scroll to select available application / / (page 16).

Incoming call:

② Accept call in handsfree mode (not for video call).

③ Reject call.

④ Switch off ringtone for this call.

During a call:

② Switch on/off microphone (mute).

③ End call.

④ / Control volume.

⑤ **Loudspeaker**

⑥ **Camera lens**

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Clamshell open

① **Earpiece**

② **Main display**

③ **Camera lens**

④ **Call key**

Dial the number/name displayed/highlighted, take calls. Open the call log lists in standby mode.

⑤ **On/Off/End key**

- Switched off:
  Press and **hold** to switch on.
- In standby mode:
  Press and **hold** to switch off.
  Press **briefly** to open the switch off menu (page 24).
- During a conversation or in an application: Press **briefly** to finish.
- In menus: Press and **hold** to go back to standby mode.

⑥ **Video call key**

Press to open the video mode.

⑦ **Internet key**

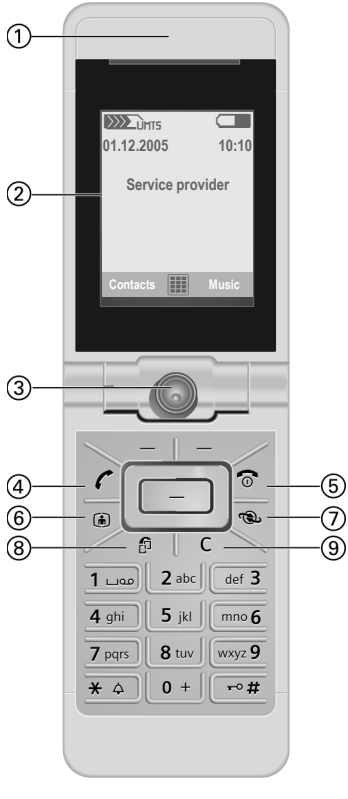
Open the browser if not predefined.

⑧ **Task key**

Press **briefly**: Open task switcher.
Press and **hold**: Open the main menu.

⑨ **C Clear key**

Text input: Clear characters one by one in text input mode. Press and **hold** to delete text quickly.
Lists/Input fields: Delete highlighted item(s).



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① **Softkeys**

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

② **Navi key**

- Press the navi key to select an option/list item or to start an application/function.
- In standby mode, press to open the main menu.

③ **Navi ring**

In standby mode:

Press **briefly**: Open the user profiles.
Press and **hold**: Start voice dialling.

Open the Contacts.

Open the Inbox.

Start the Media player.

In lists, messages and menus:

Scroll up and down.

During audio playback:

Control volume.

Switch to previous/next track.

④ **Ringtone**

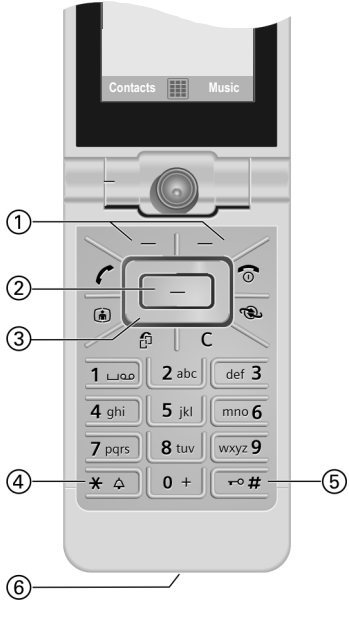
- Press and **hold** in standby mode: Switch all audible signals on/off (except alarm). Vibration is activated automatically.
- Press and **hold** while an incoming call is signalled: Switch off ringtone for this call only.

⑤ **Key lock**

In standby mode: Press and **hold** to switch key lock on/off. Only emergency numbers can be dialled.
While dialling: Enter wildcard "?".

⑥ **Connection socket**

For charger, headset etc.



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Opening/closing the clamshell

Clamshell closed

- In standby mode you can start one of the following applications:

  Start the camera in picture mode (page 58).

  Start the camera in video mode.

  Open the music tab of the Media Player (page 112) and start audio playback.
- Camera active: You can take pictures/ record videos.
- Media player active: You can select tracks and control playback.
- Task switching: You can control only one application at the same time.
- Incoming call: You can accept the call in handsfree mode using the outer softkeys (not for video calls).
- Voice dialling: If a headset is plugged into the phone you can activate voice dialling by pressing the activation key on the headset.

Opening the clamshell

If you open the clamshell a logo is displayed on the outer display. The outer softkeys are deactivated.

Opening the clamshell has different effects depending on the current situation:

- In standby mode: The key lock is released automatically. The opening melody is played if activated. Press any key to end playback.
- Incoming call: You accept the call. You can change this setting to manually accept the call after the clamshell is opened (page 131).
- Open applications remain open.
- Open requests and notifications, e.g. in dialogs, are accepted.

Clamshell positions

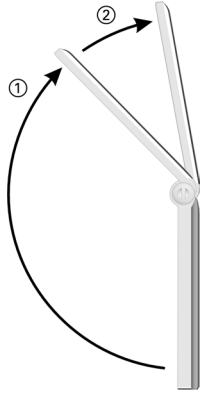
When opening the clamshell you can engage it in two different positions:

Position ①:

This is the ideal position for video calls or for self-timing in camera mode. Placed on a desk you can comfortably have a conversation with the person shown in the display or take a photo in self-timing mode.

Position ②:

This is the normal position when holding the phone to your ear.



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Closing the clamshell

Closing the clamshell has different effects depending on the current situation:

- In standby mode: The closing melody is played if activated. Press any outer soft-key to end playback.
- During calls: All active/held calls are ended.
  If you talk in handsfree mode (page 42), a request is displayed on the outer display whether or not you want to continue the active call.
- Camera active: If the camera is in the foreground, the camera remains open in the selected mode.
- Media Player active: If the music tab is selected or during audio playback, the application remains open, even if used in the background.
- Data connections: Ongoing data transfer (e.g. sending/receiving SMS/MMS or retrieving e-mail, data download, synchronisation) and open Bluetooth or server connections (logged into server for Instant messaging) are not affected by closing the clamshell.
- All other active applications are closed. Unsaved data is saved automatically.
- Open requests and notifications, e.g. in dialogs, are rejected.

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Display symbols

Menu (only outer display)	
	Camera in picture mode
	Camera in video mode
	Media player(audio playback)
Main menu (only main display)	
	Contacts
	Call records
	Internet
	Camera
	Messages
	Organiser
	Games
	Media player
	Video telephony
	Extras
	My stuff (file management)
	Settings

Display symbols (selection)	
UMTS	Signal strength
	Charging
	Battery charge level, e.g. 50%
	All calls are diverted
	Ringtone off
	Alarm set
	Keypad locked
	Auto answer feature on
	Bluetooth activated
	Bluetooth visible for others
	Bluetooth during data transfer
	Call accepted at Bluetooth device
	Inst. Message login
Events (selection)	
	SMS memory full
	Missed calls
	Phone memory full

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Message symbols (selection)	
	Unread
	Read
	Draft
	Sent
	MMS not sent
	MMS received
	MMS read
	MMS with DRM contents (page 27)
	E-mail forwarded
	E-mail with attachment
	Voice mail received

Camera symbols (outer display)	
☆	Open brightness settings
	Open zoom settings

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Getting started

Your phone's displays are covered with a protective film. Remove this film slowly before using the phone.

In rare cases, static discharge may cause discolouration at the edges of the display. However, this will disappear within approx. 10 minutes.

Inserting the SIMcard/ Micro SD card

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

Attention

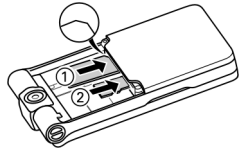
Insert the SIM card **before** inserting the Micro SD Card.When the Micro SD Card is wrongly inserted into the SIM card slot, it cannot be removed!

The Micro SD Card gives your phone a very large memory capacity. This allows you to save picture/video files and sound recordings, for example. However, you can also use this Micro SD Card like a floppy disk to save any other files.

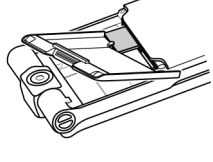
You can access the list of folders and files in the **My stuff** menu (page 116). If you assign a file from the Micro SD Card to a function in the phone such as a ringtone, the file is copied to the phone memory.

New Micro SD Card

- Create a backup copy of the data on the old Micro SD Card on a PC.
- Format the new Micro SD Card.
- Copy the data from the PC onto the new Micro SD Card.



- Place the SIM card in front of the slot with the contact surface facing **downwards** ①. Ensure that the chamfered corner is in the correct position.
- Place the Micro SD Card in front of the slot ②.



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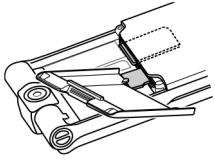
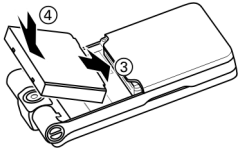
- Use the battery cover as illustrated to press the SIM card slightly into the slot.



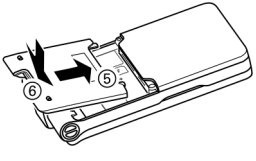
- Use the battery cover as illustrated to press the Micro SD Card slightly into the slot.
- To remove one of the cards use the corner of the battery cover to release or push in the SIM card and the Micro SD Card. Otherwise you risk damaging the SIM card release mechanism. The card is ejected.

Please observe the manufacturer's operating instructions that come with the Micro SD Card.

Inserting the battery



- Insert the battery into the phone ③, then press it downwards ④ until it engages.



- To close the cover place the cover in position, so that the check marks get caught in the cut-outs ⑤. Then press it downwards, until it clicks into place ⑥.

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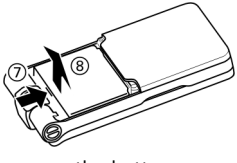
Removing the battery

Attention

Please switch off your phone **before** removing the battery!

- To open the cover, push the cover open and lift it up.



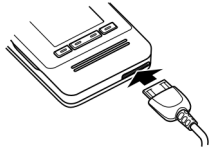
- To remove the battery, press against the battery in the direction indicated ⑦ and lift the battery up ⑧ and out.

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 mains power socket and charge for at least **two hours**.

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

As an alternative, the battery can be charged via the USB port (Accessories, page 141).



Display during charging.

Charging time

An empty battery is fully charged after about 2 hours. Charging is only possible within a temperature range of +5 °C to +40 °C (+41°F to +104°F). If the temperature rises/falls 5°C above/below this, i.e drops to 32°F or rises to 113°F, the charge symbol flashes a warning. The mains voltage specified on the power supply unit must not be exceeded.

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The charge level of the battery is only displayed correctly after an uninterrupted charging/discharging cycle. You should therfore **not remove the battery unnecessarily** and where possible **not end the charging process prematurely**.

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

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

Operating time and temperature

The operating time depends on the operating conditions. Extreme temperatures considerably reduce the phone's standby time. Avoid placing the phone in the sun or on a heater.

The phone may heat up during data transfer or when using UMTS. This is normal and not dangerous.

Talktime:

- UMTS: up to 210 minutes
- GSM: up to 270 minutes

Standby time:

- UMTS: up to 250 hours
- GSM: up to 300 hours

The talktime and standby time depend on the network environment. For more examples of functions that reduce the standby time, e.g. animated screensaver, fast search, see page 144.

Charge icon not visible

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

Display while in service

Charge level display during operation (empty–full):

Battery low warning

When the battery is almost empty you are warned twice. The first warning appears when the battery has 10 minutes of power remaining.

The second warning appears when the battery has 1 minute of power remaining.

OK Press to confirm warning.

Powering off

If the battery is completely empty, the phone switches off automatically.

If the phone powered down because of low battery, it will power on again automatically when charged.

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Switching phone on/off, entering PIN

Switching the phone on

Open the clamshell.

Press and **hold** On/Off/End key to switch phone on.

Enter PIN or confirm request (page 34).

Your greeting message is displayed if activated (page 123).

The phone switches on automatically when:

- You charge the phone via USB or
- an alert or calendar event appears. If you do not respond, the phone switches off again. If you respond to the alert, the PIN is required.

Yes Press to activate.

Or

Offline Press to start in offline mode (page 25).

If you close the clamshell before entering the PIN, the phone is switched off again.

Entering the PIN

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

Enter PIN using number keys. Asterisks appear to ensure nobody can read your PIN on the display. Correct with **C**.

OK Confirm. Logging on to the network will take a few seconds.

You can change the PIN (page 33). To clear SIM card barrings, see page 34.

Switching the phone off

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

Or

Press **briefly** and select one of the following options.

Switch off	Switch phone off. Phone switches on automatically if alarm or calendar event occurs.
Offline mode	Phone is not switched off, but has no connectivity (see page 25).

The shutdown is interrupted, if:
- some files occur to be not saved or
- the phone is receiving an MMS.

A warning message is displayed. Press **Yes** to continue shutdown. Files are not saved. Message is received when phone is switched on again.

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Offline mode

In offline mode you can operate many phone functions, but you are not connected to any network (you are not available for incoming calls and you cannot initiate a call).

This is the mode to be used in aircrafts.

Switching between offline and online mode:

Open the clamshell.

Press **briefly** and select **Offline mode/Online mode**.

Confirm request.

Emergency number (SOS)

Only to be used in real emergencies!

Open the clamshell to use the keypad.

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

If the clamshell is open and key lock is active (page 15), only emergency numbers can be dialled.

Switching on your phone for the first time

When you switch on the phone for the first time or after the battery has been removed, you are prompted to set the time/date.

Select if you want to enter time/date.

Time zones

Select the desired setting and change time zone in world map.

Select a city in the selected time zone.

Options Open menu and select **Set time zone** to save.

Time/Date

Set the clock and date so that it displays the correct time. You will not have to make this setting again.

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

Press to update time and date.

Further options and settings on page 135.

You can activate **Auto time** mode (page 136) to display local time by network if the network supports this function.

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General instructions

Standby mode

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

Clamshell closed

Press to end call/function.

Clamshell open

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

The following information might be displayed on either display:

Logo

If the logo or wallpaper is enabled (page 122) the logo is displayed.

Clock

The current time is displayed.

CB messages

If CB display is enabled (page 83) a CB ticker with the latest CB message is displayed, scrolling horizontally if needed. The CB ticker is only available if the alert region is not used, i.e. there are no current events.

Alert region

In the alert region the following message types can be displayed:

- New entries in missed calls list, voice mail or inbox.
- New content via Bluetooth.
- Missed calendar events.

The number of new entries is displayed (e.g. 1 Missed call).

Signal strength

UMTS Strong signal.

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

If the phone cannot obtain network service after 15 minutes the power save mode is used. The phone only attempts to acquire service in intervals.

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Connectivity

Your phone supports different methods for transmitting data in the mobile network:

- The fastest method is UMTS (**U**niversal **M**obile **T**elecommunications **S**ystem). If you use UMTS, you can make video calls in high quality. You can be connected to the Internet permanently. Only the current transmission time is charged by the network operator. Some service providers do not yet support this service.
- GPRS (**G**eneral **P**acket **R**adio **S**ervice) is another method for transmitting data in the mobile network. With GPRS you can be connected to the Internet permanently, as well, if the network has sufficient capacity. Only the current transmission time is charged by the network operator.
- GSM (**G**lobal **S**ystem for **M**obile Communications) is a fully digital standard for mobile networks mainly used for voice calls and text messages (SMS).

Depending on the surrounding network and your provider, the different methods are used automatically. Depending on your provider you may set which method to use (page 140).

Digital Rights Mgmt. (DRM)

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

User guide

Symbols

The following symbols are used to explain operation:

	Enter numbers or letters.
	On/Off/End key
	Call key
Options	Displays a softkey function.
	Press the navigation key down, to call up the menu for example.
	Display navigation function. Press navigation key in the direction indicated.
	Function dependent on service provider, may require special registration.

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Main menu

The main menu is displayed graphically with symbols.

Call up from standby mode.

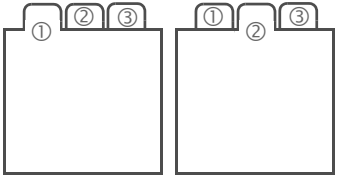
/

Select application symbols.

Start application.

Tabs

Tabs allow fast access to information and applications.



Switch between tabs.

While editing a tab, you navigate within the input field.

Leave input field, to switch to the next tab.

Navigation key

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

In this User Guide the symbol is used universally when the navigation key is pressed down vertically. The following functions are available (selection):

- Display main menu
- Confirm/select
- Change (open options list)
- Call, accept call
- Edit
- Camera
- Send
- View
- Save
- Play
- Pause
- Stop
- Record
- Zoom
- Insert calendar
- Insert picture
- Insert contact

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Outer softkeys

If the clamshell is closed, you can use the outer softkeys to control the phone. The symbols in the bottom line of the outer display show the current function.

/	Confirm/select
	Accept call in handsfree mode
/	Take picture/record video
	Play
	Pause
	Stop
	Zoom

Menu control

The steps needed to reach a function are shown in a **condensed form** in the user guide, e. g. to set ringtones

→ → Ringtones

This comprises the following steps:

	Open main menu.
/	Select to open Settings menu.
	Confirm selection.
	Select Ringtones function.
	Confirm selection.

Standard functions

Options menu

The list contains functions that are offered in several options menus.

Options Open menu.

<New entry>	Create new entry.
Save	Store entry.
Change	Open options list. Select option and confirm.
View	Display entry.
Details	Display properties of selected entry.
Details	Display additional information about message (e.g. date, sender, save location, attached files, size)
Delete/ Delete all	Delete entry/delete all entries after confirmation.
Exit	Exit application.Confirm request with if you want to save changes.
Edit	Open entry to edit/open input field to edit.
Text input meth.	Open input method menu (page 35).
Text edit menu	Open text edit menu (page 36).
Sort by	Select sort criterion (e.g. alphabetical, type, status, sender, date/time).

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Set as	e.g. set picture as wallpaper, logo, screensaver, melodies as ringtones, open/close melody.
Rename	Rename selected entry.
Send	Select transmission type (e.g. MMS, SMS, Instant Message, e-mail or Bluetooth) and send entry. If you send via Bluetooth, select **Search/Known devices/ Last connected** (page 125). If a DRM protected file is selected, the send option is not available.
Create message	Select transmission type (see above) and create message. If contact/call list entry is selected, it is used for receiver data.
Reply/ Reply to all	The sender becomes the recipient, "Re." is placed in front of the subject matter and the received text is transferred into the new message.
Capacity/ Memory status	Display memory status for respective application, phone, SIM card or the Micro SD Card. If memory is insufficient to save required data, a notification is displayed. Confirm with [▬] to open **Memory assistant** (see below).

Fast list search

Pressing number keys while you are in alphabetically ordered lists (e.g. Contacts, My Stuff) opens a fast search window.

Enter text to jump quickly to the entry that corresponds most closely with the entered text.

Memory assistant

The memory assistant is launched automatically if memory is low.

A notification is displayed on either display depending on whether or not the clamshell is open.

If the clamshell is closed, you can start the memory assistent by opening the clamshell.

Start via main menu:

(Only if the clamshell is open)

[▬] → [🔧] → **Phone** → **File system** → **Memory assistant**

All saved folders and files in phone memory and on **Micro SD Card** are listed (page 20). Display name and of folders and number of files.

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If the **Micro SD Card** is inserted, folders/files are organised on a separate tab.

Select tab (phone memory/ **Micro SD Card**).

Select folder/file.

Options Open menu and select function (standard functions page 29).

To free up required memory open file before deleting or delete files directly.

Mark mode

Within some applications (e.g. Contacts/My Stuff) one or more entries in a list can be highlighted to carry out a function jointly.

Options Open menu and select Mark.

Select entry/entries.

Mark/unmark entry.

Mark options

Depending on the current situation, different functions will be offered.

Options Open menu.

Mark/ Unmark	Mark/unmark selected entry.
Mark all	Mark all entries.
Unmark all	Unmark all marked entries.
Delete marked	Delete all marked entries.
Send marked	Send marked messages (e.g. e-mails from draft folder).
Retrieve marked	Retrieve marked e-mails (if only header is retrieved).
Remove marked	Remove selected contact(s) e.g. from a distribution list or group.

Menu speed dialling

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

E.g., write new SMS (from standby mode):

Press this key to display the main menu.

5 jkl Press this key for Messages.

1 Press this key to create new message.

1 Press this key for SMS.

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Task switching

The phone supports the use of multiple applications at the same time. The function you are currently using is in foreground, the other open applications are in the background.

You can switch from the current application to the main menu, standby mode or to any open application.

Open the clamshell.

Press **and hold** to open the main menu.

Press **briefly**. All currently open applications are listed.

You can directly switch to the Main Menu, Home or to any open application:

Menu/**Home**/<application>
Select and confirm with [■].

If you are holding a call, select **Current call** to return to the call.

Task switching options

If any applications are currently open, an options menu is offered.

Options Open menu.

Switch to	Move highlighted application to foreground.
Close	Close highlighted application.
Close all	Close all open applications except main menu.

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Security

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.

PIN codes

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.

→ → Security → PIN codes → Select function.

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.

On/Off	Activate/deactivate PIN control.
	Enter PIN code.
	Confirm.

Change PIN

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

Enter current PIN code and confirm with .

Enter **new** PIN code and confirm with .

Re-enter **new** PIN code and confirm with .

Confirm.

Change PIN2

(Display only if PIN2 is available)

Proceed as with Change PIN.

Change phonecde

You define the phone code (4-8 digits) when you call up a phone-code protected function for the first time. It is then valid for all phone-code protected functions.

To change phone code proceed as with Change PIN.

Following the third unsuccessful attempt, access to the phone code and the functions that use it is denied. Contact the Service Centre (page 148).

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Clearing SIM card barring

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

Enter **new** PIN code and confirm with [ ].

Enter **new** PIN code again and confirm with [ ].

Enter PUK code (MASTER PIN) provided by your service provider with the SIM card in accordance with the instructions and confirm with [ ].

Confirm.

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

Preventing accidental activation

Even if PIN use is deactivated (page 24), confirmation is required to switch on the phone.

This prevents accidental activation of the phone, e.g. when you are carrying it in a bag or when you are travelling in an aircraft.

Press and **hold**.

OK Press. The phone switches on.

Cancel Press or take no action. The phone does not switch on.

Connecting to Windows® PCs

You can connect your phone to a Windows® PC using Bluetooth or a data cable. The Windows® PC program MPM (Mobile Phone Manager, page 142) enables you to backup data on your Windows® PC and to synchronise the contacts with Outlook®, Lotus Notes™ and other Siemens phones (as well as some Gigasets). You can download the Mobile Phone Manager from the Internet at:
www.BenQ-Siemens.com/ef81

The data cable is included in delivery. You find the MPM program on the CD ROM also included in delivery.

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Text entry

Text entry without T9

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

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

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

Ä, ä, 1–9 — Unusual characters and numbers are displayed after the relevant letters.

C — Press **briefly** to delete the letter left of the cursor or marked text. Press and **hold** to delete text quickly.

Move the cursor (forwards/back).

Move the cursor (up/down a line).

Press **briefly:** Swap between: **abc**, **Abc**, **ABC**, **T9 abc**, **T9 Abc**, **T9 ABC**, **123**.

Press and **hold:** Input method menu is displayed.

The sequence of the input methods is language-dependent.

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

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

0 + — Press **once/repeatedly**:

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

Press and **hold:** inserts **0**.

1 — Press to insert space. Press **twice** to insert line feed.

Special characters

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

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

1) Line feed

/ — Navigate to characters.

Confirm.

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Text edit menu

For text entry:

Press and **hold**: The edit menu is displayed:

Insert symbol
Spell word
Mark text
Copy/Paste
Input language

Selecting the input language

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

Options Open edit menu.

Input language
Select.

Select language. If you select **Automatic**, the **Input language** is based on the **Display language** (page 132).

Confirm, the new language is set.

Languages with T9 support are marked with the **T9** symbol. The input language setting applies to all applications.

Marking text

You can highlight text in order to copy and paste it to a different place.

Press and **hold**. The edit menu is displayed.

Mark text Activate highlighting mode.

/
Scroll to highlight text.

Copy Copy highlighted text to the clipboard.

Paste Paste the copied text into the desired location.

Text entry withT9

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

Activating, deactivating T9

Press and **hold:** Input method menu is displayed.

Select desired input mode.

Select Activate/deactivate T9.

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Writing with T9

The display changes as you proceed.

It is best if you finish a word without looking at the display.

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

[#] Press **briefly** for T9 Abc then

[4 ghi] [mno 6] [8 tuv] [def 3] [5 jkl]

[1] / [—]

A blank or moving the cursor to the right ends a word.

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

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

T9-word suggestions

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

The word must be shown highlighted. Then press

<< T9 << The displayed word is replaced with a different word. If this word is also incorrect, press again

<< T9 << Repeat until the correct word is displayed.

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

To add a word to the dictionary:

Spell Select.

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

Correcting a word

[—] Move left or right, word by word, until the required word is highlighted.

<< T9 << Scroll through the T9 word suggestions again.

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

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

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

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

Moving the cursor to the right ends the word.

Input method

Press **briefly:** Switch between: abc, Abc, T9 abc, T9 Abc, 123. Status shown in top line of display.

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

Special characters

Press **briefly:** Select special characters (page 35).

Press and **hold:** Open edit menu (page 36).

Text templates

Text templates are short excerpts of texts that you can insert in your messages (SMS, MMS).

Creating text templates

→ → Template

The list of existing templates is displayed.

Options Open menu and select New template.

Write text.

Options Open menu and select Save.

If you want to create a new message from the template menu select Options New message.

Inserting text templates

SMS/MMS:

Write message.

Options Open menu and select Insert text.

Template Select.

Select a text template from the list and confirm with .

The text template is inserted in the message to the right of the cursor.

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Calling

With your phone you can make conventional (voice) calls as well as video calls. However, it is not possible to make a voice call and a video call at the same time. You can make only one video call at a time.

If the clamshell is closed:

- You can accept calls in handsfree mode.
- You can continue voice calls in handsfree mode.
- You cannot initiate calls.
- You cannot accept or continue video calls.

Video calls

(Only if the clamshell is open)

To initiate a video call (in standby mode):

Or

Press the video call key.

The phone switches to video call mode. A preview is displayed. You can enter a number (see Dialling with number keys).

You can also decide to make a video call **after** you have already entered a number or selected a number from a call list.

The called party as well as the network have to be capable of handling video calls. If you are calling a number that does not meet these requirements you will be offered the option of making a voice call instead.

Dialling with number keys

(Only if the clamshell is open)

The phone must be in standby mode.

Enter the number (always with prefix/international dialling code).

Press the Call key.

Or

Press.

Or

Press the video call key to make a video call.

The displayed number is dialled.

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Ending a call

Clamshell closed

Press to end call.

Clamshell open

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

You can also end a call by closing the clamshell.

In conjunction with a Car kit or headset or when you are talking in handsfree mode closing the clamshell will not end the call.

Setting the volume

(Only during a call)

Clamshell closed

Regulate the volume.

Clamshell open

Regulate the volume.

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

Redialling previous numbers

(Only if the clamshell is open)

To enter the **Dialled calls** list (in stand-by mode):

Press the Call key.

To redial the number last called:

Press the Call key **again**.

Or

Press the video call key to make a video call.

To redial other numbers that were dialled previously:

Pick out the number from the list.

Press the Call key.

Or

Press the video call key to make a video call.

Press and **hold** to switch microphone off.

Enter international dialling codes:

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

Use number memo:

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

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Accepting a call

The phone must be switched on. An incoming call is indicated by a special screen on either display:

A number and the name of the caller transmitted by the network will be displayed if the number is saved in the contacts. A picture of the caller may also be displayed (page 48).

If the incoming call is a video call a video of the caller is displayed. However, the transmission of the video may be suppressed by the caller.

Clamshell closed

(Not for video calls)
Press to accept the call in handsfree mode.

Depending on your settings (page 131) you can accept a call by simply opening the clamshell.

Clamshell open

Press.

Or

Press.

Or

Press to accept a video call.

Video call

(Only if the clamshell is open)

If the incoming call is a video call and **Show my image** is deactivated (default, page 131) **Do you want to show your video image?** is displayed. You have the following options:

Yes Your video is shown to the caller.

No The video mute picture is shown to the caller (**Select image**, page 131).

Warning!

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

Additional information

Missed call display.

If the clamshell is closed:

Press to switch silent mode on/off.

Press and **hold** to switch key lock on/off.

If the clamshell is open:

Press and **hold** to switch silent mode on/off.

Press and **hold** to switch key lock on/off.

Rejecting a call

Clamshell closed

Press.

Clamshell open

Reject Press.

Or

Press **briefly**.

You can also reject the call by closing the clamshell.

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Handsfree talking

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

Clamshell closed

If you accept a call with the clamshell closed, handsfree talking is activated automatically.

Handsfree talking is deactivated automatically, if you open the clamshell during a call.

Clamshell open

Options Open menu.

Hands free

Activate/deactivate handsfree talking and confirm with ▬.

> If you close the clamshell while in handsfree mode, a request is displayed on the outer display whether or not you want to continue the call. If you do not answer the request the call is ended automatically after a short time.
>
> A video call is ended whithout request if you close the clamshell also when in handsfree mode.

> **Warning!**
>
> Always switch off "handsfree talking" before holding the phone to your ear! Otherwise you will damage your hearing!
>
> **Additional information**
>
> During a video call the speakerphone is activated by default.

Swapping between 2 calls

(Not during video calls)

Establish a second connection

(Only if the clamshell is open)

You can call another number during a call.

Dial the new number and press ☎. The current call is put on hold.

Swapping calls

When the new connection is established you can swap between calls.

Clamshell closed

Press.

Clamshell open

Options Open menu and select Swap.

Or

Press.

Incoming calls during a call

You may need to register for this service with your service provider and set your phone accordingly. During a call, you may be advised that there is another call waiting. You will hear a special tone during the call (page 129). You have the following options:

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Accepting the waiting call in addition to the first

Accept the waiting call.

Depending on your settings (page 131) you can also accept the waiting call by simply opening the clamshell.

If the clamshell is closed, press to swap between the calls.

Or (if the clamshell is open)

Swap / Accept the waiting call.

The current call is put on hold.

To swap between the two calls when two connections are established, always press .

Rejecting the waiting call

Press.

Or (if the clamshell is open)

Reject Press.

Accepting the waiting call, ending the current call

(Only if the clamshell is open)

End the current call.

Accept the new call.

Ending calls

Clamshell closed

Press. You return to the held call.

Clamshell open

Press the End key **briefly**.

Or

Options Open menu and select Drop.

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

Yes You accept the held call.

No You end the held call.

Conference

(Not during video calls)

Call up to 5 parties one by one and link them together in a multiparty call. Some of the functions described may not be supported by your service provider or may have to be enabled specially.

> You cannot establish a conference when the clamshell is closed.
>
> When closing the clamshell you can continue an ongoing conference if you are in handsfree mode (page 31).

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Once a call has already been established:

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

Dial a new number. When the new connection is established ...

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

Repeat procedure until all participants are linked together.

Ending a conference

Ending all calls

Press.

Or (if the clamshell is open)

Press.

Or close the clamshell.

All calls in the multiparty conversation are ended.

Ending one call

(Only if the clamshell is open)

Options Open menu and select **Drop**. Then select the call to be ended.

After the **Return to conference call?** display, you have the following options:

Yes You return to the conference.

No You end all calls.

Private call

(Only if the clamshell is open)

You can remove a party from a conference and make a private call to that party while the conference is put on hold.

Options Open menu and select **Private**. Then select the entry for the private call.

You can swap between the private call and the conference:

Options Open menu and select **Swap**.

When your private call is finished, you have the following options:

End the private call and return to the conference.

Or

Options Open menu and select **Conference**.

The private call is joined to the conference again.

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Call options

(Only if the clamshell is open)

The following functions are only available during a call:

Options Open menu.

Mute call/ Mute sound	The person on the other end of the line cannot hear you (muting). Also: Press and **hold** [*]. Clamshell closed: Press [⊠]/[○]. In video calls your video is still shown on the other end of the line.
Hands free	Call via the loudspeaker.
Upgrade to vid/ Switch to voice	Change the current voice call to a video call or vice versa. The current call is ended and a new connection with the same partner is established.
Transf access'ry/ Transfer phone	Switch the sound of the current call to the headset and back to the phone.
Add to Contacts	Select **To a new contact/ To exist. contact**. Select number type to store the number in the contacts. Confirm save notification with [▬].

Not during video calls:	
Hold call	Hold current call.
Swap	Swap between calls.
Conference	(see page 43)
Drop	End a call in a conference.
Private	Make private call in a conference (see page 44).
Transfer	Connect two calls in a conference and disconnect oneself.
DTMF	Enter tone sequences (numbers) for remote inquiries to an answering machine.
Only during video calls:	
Mute video	The incoming video is muted and the video mute picture is sent (**Select image**, page 131).
Pause inc./ Pause outg.	Pause the incoming video (of the other party) or outgoing video (yours). The menu entry changes to **Resume inc./Resume outg.**
Full/split screen	Select the video presentation on your display (see page 46).

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Frame rate	Adjust how many frames per second the camera will capture.
White balance	Adjust the sensitivity to light.
Flicker adjustment	Adjust the sensitivity to indoor lightening flicker rate.
Send picture/ Send video	Select a picture/video from My stuff and show it to the person on the other end of the line.

Full/split screen

Select the video presentation on your display. You have the following options:

Them fullscreen

The video of the other party is shown in full screen mode.

Splitscr. -- me sm.

The video of the other party is shown in full screen mode and your video is shown in an additional small frame.

Splitscr. -- me lg.

Your video is shown in full screen mode and the video of the other party is shown in an additional small frame.

Me fullscreen

Your video is shown in full screen mode.

Tone sequences (DTMF)

(Only if the clamshell is open)

You can enter control codes (numbers) for remote access to an automatic answering machine **while another connection exists**. These inputs are transmitted directly as DTMF codes (control codes).

Options	Open menu.
DTMF	Select.
	Enter digits and confirm with .

Using Contacts

Store numbers **and** control codes (DTMF codes) in Contacts in the same way as a normal entry.

	Enter number.
0 +	Press until a "+" appears in the display (wait for the connection to be KTestablished).
	Enter DTMF codes (numbers).
0 +	If necessary, wait again for three seconds at a time for the receiver to process the entries safely.
	Enter a name.
Save	Store entry.

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

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Contacts

You can store contacts with a variety of phone and fax numbers as well as additional address details.

The contacts may contain the following types of entries:

- Contacts saved on the phone (page 48).
- SIM contacts saved on the SIM card (page 50).
- Distribution lists: short-cuts for communication with more than one person. Contacts may belong to several distribution lists (page 51).
- Groups: contact categories (e.g. shared ringtone). A contact can belong only to one group (page 49).

Or

Open Contacts.

For fast access, contacts are organised on 4 tabs.

Switch between tabs.

All contacts	All contacts (including SIM contacts) and distribution lists.
Groups	All groups.
SIM contacts	Contacts saved on the SIM card.
Filter	Apply different filter criteria to all contacts.

Dialling contact

(Only if the clamshell is open)

Call selected contact.

Or

Make (video) call.

Or

Press and **hold** to activate voice dialling.

Contact selected

Call the default/video enabled number. If no default number is stored, select which number to call.

SIM contact selected

Call the number. If several numbers are stored, select which number to call.

Several numbers selected

If several contacts or a distribution list is selected the call key and the video call key have no effect.

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All contacts

All contacts (excluding SIM contacts) are displayed in alphabetical order. Distribution lists and groups are displayed additionally.

Contacts can include 4 numbers, 4 e-mail addresses, 2 URLs, 2 fax numbers and 2 postal addresses. You can set one value as default for each type (see below).

New entry

<New entry>
Select.

Select the number type.

The possible input fields are organised on 4 tabs:

General info	First and last name, important numbers (private, business, mobile phone).
Private	E-mail address, fax number, address and notes.
Business	Office information and address.
Personal	Ringtone, picture, group, birthday and display name.

Within the tabs:

Select input fields.

Fill in input fields.

At least one name must be entered. The name of each contact must be unique. Always enter the number with prefix.

Assign media files

In some input fields (ringtone, video, picture) you can assign ringtones and pictures.

Select media field (e.g. picture) and confirm with .

Depending on the media type you can either record a new media file via camera or sound recorder or select a file from the corresponding **My stuff** folder (page 116).

Save contact

Options Open menu and select **Save**. Confirm request with .

Confirm save notification.

Contact options

Options Open menu.

Set as default	Set selected field as default for that type (e.g. default number or e-mail). Current default is marked with *.
Create e-mail	Send e-mail to selected contact(s).
Switch tab...	Select contact tab for more input fields.
Add birthday/ Remove birthday	If no birthday is entered, open birthday field. If birthday is entered, delete after confirmation.
Set date	If birthday field is selected: Open calendar to currently entered date.

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Number field selected:	
Insert 2-s pause	Insert pause ("P").
Insert wildcard	Insert wildcard ("?"), see below.
Record voice tag	Start recording voice tag (page 54).
Play voice tag	Start playback of current voice tag.
Delete voice tag	Confirm to delete voice tag.
Further options on page 51.	

Number extensions in contacts (wildcards)

Digits may be replaced by a "?" (wildcard) when numbers are entered in contacts:

Options — Open menu and select **Insert wildcard**.

Or

Press down to insert "?".

These wildcards must be replaced with numbers before dialling (e.g., with the extension numbers in a phone system).

To make a call, select the number from contacts.

Press.

Replace "?" with numbers.

Press. Number is dialled.

Groups

Groups are collections of contacts that can be used to categorise contacts. A group can have the same incoming call alert. SIM contacts cannot belong to a group, you have to copy them to the phone contacts first.

The following groups have already been created and can be renamed but not deleted: **Family**, **Friend**, **Office**, **VIP**.

New group

You can add personal groups.

<New group> — Select and enter the name of a new group.

Done — Press to confirm.

Add member

You can add max. 50 contacts to a group.

Select a group. The number of entries is displayed in the second line when highlighted.

Options — Open menu and select **Add new member**. A list of all contacts that are not already in the group is displayed.

Select new members and confirm with .

Add — Confirm selection.

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Edit Group

Options Open menu and select Edit.

You can rename the group and attach an audio ringtone and a picture (page 48).

SIM contacts

Contacts saved on SIM card are managed on this tab. SIM contacts contain less information than contacts saved on the phone.

New entry

<New entry>
Select to create a new entry.

Navigate to input fields.

Fill in input fields: name and up to 3 numbers. Protected SIM contacts provide only one number field.

SIM/Protected SIM
Select storage location. Special SIM cards can save numbers in a protected area (protected SIM) (PIN2 required).

Select available number.

Options Open menu and select Save and confirm request with .

Confirm save notification.

- If you want to save/edit/delete contacts in the protected SIM area, the PIN2 is required.
- If the memory on the SIM card is low, a message is displayed.

Convert SIM contact

Options Open menu and select Add more fields.

SIM contact is converted to regular contact. You cannot convert protected SIM contacts. Further options on page 51.

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Filter

Depending on the selected filter, contacts and distribution lists can be listed on the filter tab.

Options Open menu and select **Filter** and confirm with [▬].

The following filter criteria are available:

- Voice dialling: All contacts are listed that have a voice tag associated with one or more of their numbers.
- Video telephony: Contacts with a video allowed number (page 51) are listed.
- E-mail
- URL
- Birthday
- Stored on phone: all contacts (except SIM contacts)
- Distribution lists

[▲▼] Select criterion and confirm with [▬].

A list is displayed with contacts that contain the chosen feature, e.g. all contacts including a birthday entry.

Remove contact/reset filter

Select contact(s)/list.

Options Open menu and select **Remove from list/Reset list** and confirm with [▬].

Options menu

Depending on the current situation, different functions will be offered. These functions can be applied to the entry currently selected as well as to multiple selected entries.

Options Open menu.

Distribution lists	
New distr. list	Enter name. You can rename the distribution list and attach a ringtone and a picture.
Add to distr. list	Add contact of distribution list/group to a new or existing distribution list. If SIM contact is added, confirm request to convert into contact.
Add new member	Open contact list. Select contacts and add them to the selected distribution list. You can add max. 50 contacts to a distribution list.
Groups	
New group	Enter name.
Add to group	Add contact(s) to new or existing group. If contact(s) already belong to a group confirm to switch to new group. If SIM contact selected, confirm to move contact to phone memory.

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SIM contacts	
Add more fields	Convert SIM contact to regular contact (not for protected SIM contacts).
Special numbers	Your provider may supply you with special numbers. Select classes you want to show/hide.
Business card	
Create biz card	Create a business card, which is a contact containing your own contact information. The business card is displayed outside the sort order at the top of the contact list. You cannot add the business card to a distribution list or group.
Set as biz card	Confirm request. Selected contact is set as business card. If a business card already exists, it is converted to a regular contact. SIM contacts cannot be set as business cards.
Undo biz card	Convert selected business card to a regular contact.
Media field selected	
e.g. Play ringtone	Start playback of current ringtone. Same for video and picture.
e.g. Replace ringtone	Select new ringtone. Same for video and picture.
e.g. Remove ringtone	Confirm to delete current ringtone from contacts. Same for video and picture.
General options	
Synchronise	Initiate synchronisation (see page 53).
Open web site	If contact information contains URL, start the browser and load URL.
Send contact	Send contact as vCard (see page 53).
Set as vid. allow'd/ Undo vid.allow'd	Only one number of the contact can be set as video allowed. Option is set automatically if you get/initiate a video call from/to that number. Note that this option is not available for SIM contacts.
Save options	Depending on save location, select • copy/move to SIM: Only SIM information is saved. Extended version of the contact is kept. • copy/move to phone. Protected SIM contacts, special numbers and the business card cannot be copied or moved to another save location.

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Save location	Select SIM/Phone as default save location.
Duplicate	Open new contact with duplicate information.
Find	Open menu (see below).
For standard functions see page 29.	

Synchronise

Initiate synchronisation of contacts (page 105).

With the MPM (Mobile Phone Manager, page 142) you can hold your addresses in a Windows® PC and synchronise with the contacts.

Send contact

If you want to send/receive complete contacts, the contact is transmitted as a vCard.

You can send your own/other contacts via Bluetooth, SMS, MMS or e-mail.

Receiving vCard

You can receive contacts included in a message or via Bluetooth. You can save vCards as contacts:

Options — Open menu and select Save contact to save vCard as new contact.

Find

To find a contact more easily you can either search for the contact, change the sort order of the contact list or set filter criteria for the list.

Contacts search

Enter text/number and confirm with ▬.

A list is displayed with contacts which contain the text/number sequence.

Sort contacts

The contact list is resorted.

Select sort order and confirm with ▬.

Filter contacts

Select filter criterion (page 51) and confirm with ▬.

Voice-activated dialling

You can dial numbers from the contacts by speaking the name. SIM contacts, distribution lists and groups cannot have a voice tag.

You have to record a voice tag for every number so your phone "recognises" you. To record voice tags you speak the name loudly and clearly into the phone and store it.

You can store about 100 voice tags. You can assign one voice tag to each number of a contact.

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Recording a voice tag

Record the voice tag in a quiet environment. You should speak into the phone from a distance of about 25 cm. The voice tag may be 3 sec. long.

> If you use voice-activated dialling mainly with a handsfree set it is useful to record the voice tag with the handsfree set.

Open the Contacts tab.

Select a contact.

Select number input field.

Options Open menu and select **Record voice tag**.

Start Start recording.

A short signal is sounded. An appropriate prompt appears on the display. Speak the name (max. 3 seconds). Repeat the name after playback. A second signal tone is sounded and you are prompted on the display.

Confirm completed recording.

If your two recordings are too different or if they are too similar to an existing voice tag, you will be prompted to repeat recording.

Retry / **Restart** Press to start recording again.

If three attempts fail you have to start a new voice tag.

> If there is not enough memory for a new voice tag, a notification is displayed. Confirm notification, delete existing tags and try again.

Voice-activated dialling

Clamshell closed

If a headset is plugged into the phone: Press the activation key on the headset to activate voice dialling.

Clamshell open

Press and **hold**.

Speak the name after the signal tone. If the name matches the saved voice tag the number is dialled.

> You can assign the voice dialling function to any shortcut key (page 128).

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Call records

The different call information is listed on 5 tabs:

All calls, **Dialled calls**, **Missed calls**, **Received calls** and **Duration/charges**.

Navigate to tabs.

Each list displays the 100 most recent calls.

Call log lists

The number of a caller is displayed if

- the caller has switched off the Hide ID function and
- the network supports the Caller Id function.

Alternatively, a caller's name is displayed if it is stored as a contact.

If the number was not transmitted for the reasons above a message is displayed instead.

Your phone stores the numbers of calls for convenient redialling.

Audio and video calls are stored.

Redial number

Select call log list (e.g. **Missed calls**).

Select entry.

Dial number (if available), make video call.

All calls

Access all missed, dialled and received calls.

Dialled calls

Access last numbers dialled by you.

Fast access in standby mode.

Missed calls

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

Missed calls are displayed in standby mode (page 26). Select entry and confirm with to open missed calls list.

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Received calls

Accepted calls are listed.

Call log list menu

Depending on the current situation, different functions will be offered.

Options Open menu.

Call	Dial number (if number is available)
View contact/ Add to Contacts	If number is saved as contact, view contact. If number is not yet saved, create new contact.
Details	Display call type (video/voice call), number, name, time/date and duration of the call.
For standard functions see page 29.	

Duration/charges

You can display the call duration and the currency and rate of a call. You can set the currency and rate for charge display.

Last call/All incoming calls/All outgoing calls
Select list and confirm with [■].

For the selected call type the following information is displayed: the date/time and the duration and charges. For all incoming and all outgoing calls the number of recorded calls is displayed, too.

- If the display of costs is disabled or the currency is not entered, cost information is not displayed.
- Cost information is not displayed during a call.

Reset all incoming/outgoing calls lists

View list (see above).

Reset Press to reset the current list.

Yes Confirm reset notification.

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Charge settings

Settings Select and confirm with [ ].

Currency

(PIN2 protected)

Enter currency (up to 3 characters).

Options Open menu and select **Save**.

Rate

(PIN2 protected)

Enter per minute rate.

Options Open menu and select **Save**.

To enter "." press [*].

Display costs

On/Off Activate/deactivate cost display and confirm with [ ].

Account limit info

(PIN2 protected)

The account limit is not supperted by all SIM cards. If your SIM card does not support the account limit, an according notification is displayed.

- **Switch on/off account limit**

Account limit Select and confirm with [ ].

On/Off Activate/deactivate account limit and confirm with [ ].

When switched off, the max. limit is reset to 0 automatically.

- **Enter account limit**

Max. units Select and confirm with [ ].

Enter maximum units for the account.

Options Open menu and select **Save**.

- **Reset account limit**

Reset remaining Select and confirm with [ ].

Confirm notification to reset account limit.

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Camera

You can start and control the camera also when the clamshell is closed.

You can view photos/videos recorded with the integrated camera immediately:

- Use a picture as background image, logo or screensaver.
- Send picture/video via MMS or e-mail.
- Save pictures/videos on the phone or on the Micro SD Card (page 20).

If you use the camera when the clamshell is closed, you should turn the phone about 90 degrees to the left as illustrated in order to view menus.

The pictures/videos are displayed and saved in landscape mode.

If you don't turn the phone, the pictures/videos are displayed in right angle when opened with the Media player or sent in a message.

Start the camera

Clamshell closed

/ Select to start the camera in picture/video mode.

Clamshell open

→

Picture mode/Video mode
Select mode and confirm with .

You can also start the camera using the Media player or MMS editor.

The current (preview) image is displayed.

> If you open/close the clamshell after having started the camera in picture/video mode, the application remains active in the selected mode.

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Displayed information

Current picture/video setting

The selected resolution is displayed in the top line (only if the clamshell is open).

The following symbols are displayed:

☆ Current brightness setting.

🔍 Current zoom level.

If the clamshell is closed, this information is only displayed if you open the brightness setting or start the zoom mode (see below).

Only in picture mode and if active self timer is indicated.

Remaining memory

The following memory information is displayed:

- Memory location (only if the clamshell is open): Pictures/videos can be saved either on the phone or on the **Micro SD Card**. To change save location see page 62.
- Remaining memory: Picture count/available record time on the current memory location. The remaining memory depends mainly on the selected resolution and the motif.

When video recording is started from the MMS application, the maximum length will be the time allocated for messaging (10 seconds).

Taking pictures/videos

Settings prior to taking pictures/recording videos

Clamshell closed

☆ Press to open brightness setting. Press ☆/☆ to set brightness (see below).

🔍 Press to open zoom mode. Press 🔍/🔍 to select zoom level (see below).

If you open the brightness/zoom setting, the current setting is displayed.

✕ Press **briefly** to close brightness/zoom setting.

Clamshell open

Decrease/increase brightness. Brightness can be set in 7 levels (-3 to +3).

Zoom in/out in 7 levels.

For further settings see options menu.

Taking pictures

Start the camera in picture mode.

Clamshell closed

📷 Take picture.

Clamshell open

Take picture.

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Recording videos

Start the camera in video mode. You can record up to 5 minutes.

Clamshell closed

Start recording.

Pause/resume recording.

End recording.

Clamshell open

Start recording.

Pause / Resume
Control recording.

Stop End recording.

A video record/playback is paused if you open/close the clamshell.

Reviewing pictures/videos

Save pictures/videos

Confirm save notification.

Or (if the clamshell is open)

Confirm save notification.

The picture/video is displayed.

The picture/video is saved with a name, the date and the time in the **Media player** folder (page 112).

Start video playback

Start playback.

Playback/pause depending on current state.

Control volume durnig playback.

Stop playback.

You can view only the latest video if the clamshell is closed.

Or (if the clamshell is open)

Options Open menu and select **Play**. Control playback, see page 114.

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Return to view finder

Open view finder.

Or (if the clamshell is open)

Open view finder to take another picture/record another video.

Delete pictures/videos

Delete picture/video and open view finder.

Or (if the clamshell is open)

Discard Delete picture/video and open view finder.

- If the available memory is insufficient, confirm warning with / . The save location is changed automatically.
- If camera was launched from another application (contacts/messages): Press / to add picture/video and return to the original application.
  If you close the clamshell to record a picture/video, you have to open the clamshell again to resume the open application (contacts/messages).

Camera options

(Only if the clamshell is open)

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

Options Open menu.

New picture/ New video	Open view finder to take another picture/record another video.
Add	Add picture/video to original application (contacts/messages).
Play	Play recorded video.
View pictures/ View videos	Open corresponding Media player tab (page 112).
Picture mode/ Video mode	Switch between picture and video mode.
Message mode	Switch to message mode after confirmation. Message mode is optimised for sending via MMS/Bluetooth: • record time 10 seconds • low resolution Message mode is activated automatically if video mode is started from MMS application.

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Audio record	Turn microphone on/off.
Self timer	Picture is taken approx. 10 seconds after triggering. For the last 3 seconds, you will hear a signal tone each second.
Picture settings/ Video settings	Open settings (see below).
For standard functions see page 29.	

Picture settings/Video settings

Resolution

Change — Open settings.

Select resolution and confirm with .

A setting can be made for the quality of the picture/video regardless of the preview image resolution.

The resolution may decrease depending on the selected digital zoom.

Default name

Change — Open settings.

Enter default file name (up to 4 digits).

Options — Open menu and select Save.

Save location

Change — Open settings.

Phone memory/Card
Select default save location and confirm with .

Frame rate (only for video settings)

Set how many frames per second the video should capture.

Low (7 fps)/High (15 fps)
Select and confirm with .

White balance

Change — Open settings.

Auto/Indoor/Outdoor
Select and confirm with .

Flicker adjustment

Adjust the sensibility to indoor lightening flicker rates.

Off/50 Hz/60 Hz
Select and confirm with .

Press to start video call with current settings.

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Create message

You can create SMS and MMS messages and e-mails.

→ → **Create message** → Select message type.

You will find information on writing texts with and without T9 in the chapter "Text entry" (page 35).

SMS/MMS

About SMS

You can transmit and receive long messages (up to 760 characters) on your phone. They are automatically divided into concatenated SMS messages (note higher charges).

About MMS

The **M**ultimedia **M**essage **S**ervice (MMS) enables you to send texts, pictures/videos and sounds in a combined message to another mobile phone or to an e-mail address. All elements of an MMS message are merged into 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 an SMS

→ → **Create message** → **SMS**

Enter text/add items (see options menu).

Options Open menu and select **Add recipient** (page 66).

Send message.

Confirm.

If the SMS could not be sent successfully, press **Retry**.

- The following is displayed in the top display line: text entry mode, number of segments needed to send the current message and number of remaining characters.
- If text is too long for a single SMS, you can choose whether to convert SMS to an MMS or not.

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SMS options

Depending on the current situation, different functions will be offered.

Options Open menu.

Add item	Select **Picture/Video/Sound**. Select file from the corresponding **My stuff** folder (page 116). Remember that files may be protected (DRM, page 27). If you try to add items that cannot be sent via SMS, message is converted to MMS after confirmation.
Send options	Set **Status report/Validity period/SMS type/Send with** for current SMS. See also SMS settings (page 76).
Further functions, see page 65.	

Writing/sending an MMS

An MMS is composed of slides, each containing text/pictures or a sound/video.

Navigate MMS slides.

Please note that media files may be protected (DRM, page 27).

→ → **Create message** → **MMS**

Enter text (depending on your provider up to 1024 characters)/add items (see options menu).

Options Open menu and select **Add recipient** (page 66).

Send message.

Confirm.

If the MMS could not be sent successfully, press **Retry**.

The following is displayed in the top display line: text entry mode, number of remaining characters and size of the message.

MMS options

Depending on the current situation, different functions will be offered.

Options Open menu.

Add item	• **Picture/Video/Sound** (see SMS options). • **Text:** add text to current slide. • **Contact:** select a contact and add as vCard. Note that you cannot attach more than one vCard per MMS.
Remove item	Remove selected attachment from MMS.
Add subject	Enter subject.

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Preview MMS	Start view mode (see below).
Playback sound	Start Media player and play back sound.
Send options	Set Read Report, Validity Period and Priority for current MMS. See also MMS settings (page 78).
Further functions, see below.	

View mode

If you start the view mode you can change the presentation of the message.

Options Open menu.

Play again	Start playback of all slides.
Page duration	Select time interval (in sec.), each slide is displayed when presented.
Order page	Swap current slide with previous/next.

SMS/MMS options

Depending on the current situation, different functions will be offered.

Options Open menu.

Add recipient	See page 66.
Edit recipient	Edit entered number/ address.
Create item	• Take picture/Record video: start camera in message mode (page 61). If you close the clamshell to take a picture/record a video, the SMS/MMS remains opened. • Record sound: start dictating machine (page 105).
Insert text	• Template (page 38). • Contact details: open contact and select contact information.
Save as	Select Draft (page 75)/ Template (page 38).
e.g. Remove picture	Remove picture/ video/ sound/contact/ appointment or recipient from message.
For standard functions see page 29.	

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Add recipient

After at least one recipient is added, the To: field is displayed. You can add multiple recipients.

Enter number/address or select contact:

Add fr. Contacts

Select and confirm with [ ] to open contacts.

Select contact(s)/distribution list(s) and confirm with [ ].

If you select a contact with more than one respective entry (e.g. several numbers), the possible entries are displayed in a second line when contact is highlighted:

Select entry you want to use.

E-mail

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

To create new e-mails you have to configure at least one e-mail account (page 80).

If you enter the e-mail editor from another application, eg. the Inbox, all used input fields (To:, CC:, Bcc:, Subject:, Attachment) are displayed.

> If the cursor is at the top of the text entry, you can navigate the input fields with [ ] / [ ].

Writing/sending e-mails

[ ] → [ ] → **Create message** → **E-mail**

Enter text/add items (see options menu).

Options Open menu and select **Add recipient** (see options menu).

Send message. The sending progress is displayed.

> If you send a new e-mail, e-mails from the draft folder will be sent as well. E-mails saved as drafts because of failed transmission are not sent automatically again. The progress is displayed in terms of either the number of bytes or the number of e-mails.

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E-mail options

Depending on the current situation, different functions will be offered.

Options Open menu.

Add recipient	• **Add fr. Contacts**: Open contacts (page 48). • **Enter e-mail addr.**: Enter address manually. T9 is not available.
Edit recipient	Edit entered address.
Add subject	Enter subject.
Edit subject	Edit subject.
Attach item	• **From My stuff**: Select any file (also unknown type). • **From Contacts**: Select contact and add as vCard. Name and size of the attachment are displayed. Note that you cannot attach more than one vCard per e-mail.
Add Cc	Add contact(s) of copy recipient(s). See also **Add recipient**.
Add Bcc	Add contact(s) of copy recipient(s) (See also **Add recipient**). Bcc recipients are not visible for other recipients.
e. g. **Remove item**	Remove highlighted attachment/recipient.
Save as draft	Confirm request to save e-mail in draft folder (page 75).
Add signature	Add signature at the current cursor position.
Send options	Set **Req. deliv. receipt:**, **Request read receipt:**, **Priority:** for current e-mail. See also e-mail settings (page 79).

For standard functions see page 29.

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Inbox

The inbox contains all MMS, SMS, CB, e-mail and WAP push messages received on the phone.

→ → Inbox

Or

Inbox Press and **hold**.

Receiving messages

When new messages are received, a notification is displayed on either display depending on whether or not the clamshell is open.

You cannot open/read a message if the clamshell is closed.

If the clamshell is closed you can open a new message by opening the clamshell.

SMS

If a new SMS is received, a notification is displayed. New messages are saved in the Inbox automatically.

Clamshell closed

Open clamshell to read new SMS.

Press to dismiss notification.

Clamshell open

View Press if you want to read new message immediately.

Or

Ignore Press if you want to open message via the Inbox later.

MMS

An MMS is received in two steps: First the MMS notification, then the MMS.

If a new MMS message is available for downloading, the MMS notification is displayed including number/contact and subject of the MMS. You can download the MMS immediately or later:

Clamshell closed

Press if you want to download MMS immediately.

Or

Press to dismiss notification and start download later.

Clamshell open

Yes Press if you want to download MMS immediately. The download progress is displayed.

Or

No Press if you want to download later. The notification is saved in the Inbox (page 68).

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When download is completed, a notification is displayed (see SMS section). You can change MMS settings to download new MMS immediately without request (page 78).

CB

Some service providers offer information services (**C**ell **B**roadcast **S**ervice). If reception is activated (page 83), your provider will supply you with messages on the activated topics.

When the function is activated (page 83), CB messages are received automatically. Depending on the current setting, CB messages are displayed in standby mode (page 26).

Only one CB of the same type is saved. If another message is received, it overwrites the older one.

E-mail

E-mails are not received automatically. Before an e-mail can be read, it must be retrieved from the server (page 71).

WAP push

WAP push messages are provided by special service centres. Depending on the current setting (page 97) WAP push messages are received/rejected automatically or you are prompted to accept/reject when WAP push is received (see receiving SMS page 68).

If you receive the message that a software update is available, you can start a DM session (page 133).

Inbox structure

For fast access, the inbox is organised on three tabs:

- MMS, SMS, CB
- E-mail
- WAP push messages

If the inbox contains a new message a symbol is displayed in standby mode (page 26). If you open the inbox in this case, you directly access the message folder containing the new message.

If the message is highlighted, two lines are displayed:

- The first line contains the number or the respective contact and the time or date the message was received. An icon indicates the message type.
- In the second line either the beginning of the message or the subject is displayed.

Make a call: Select SMS, MMS or e-mail and press / .

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SMS, MMS, CB

All new messages are shown in chronological order.

Select message and confirm with .

Numbers, e-mail addresses, vCards and other saveable objects are highlighted automatically.

	Set volume.
	Switch sound on/off.
Only MMS:	
	Navigate within a slide.
/	Switch to next/previous slide. On first/last page switch to last/first page.
	Play media file.

Options menu

Depending on the current situation, different functions will be offered.

Options Open menu.

View	Read SMS, MMS, MMS Notification or CB.
Downld message	Download MMS if MMS notification is received.
Reply/ Reply to all	Select **SMS/MMS** and create message.
Forward	Forward Message to another recipient. • SMS: Select **SMS/MMS**. • CB: Create SMS. • MMS: Select **MMS**. If you forward as SMS, attached media files are removed automatically.
Mark as unread	Display message in bold type.
Add to Contacts	Save as contact (page 74).
For standard functions see page 29.	

- SMS messages may be stored on the phone memory or on the SIM card. The storage location is indicated with an icon.
- You can activate the option to have the oldest SMS message in the inbox automatically deleted when a new message arrives (page 77).

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Read options menu

Depending on the current situation, different functions will be offered.

Options Open menu.

View	Start view mode (page 65).
Send	CB: If e-mail address is highlighted select MMS/ E-mail.
Send MMS	MMS: If e-mail address is highlighted create new MMS.
Open link	If URL is highlighted: Start browser (page 95).
Play again	MMS: Start playback video/audio slide.
e.g. Save sound	Select the save location (phone/memorycard). Downloaded file is saved in corresponding My stuff folder (page 116). Same for picture and attachment.
Call number	If number is highlighted: Dial number.
Save appoint.	If calendar object is selected: Save calendar event (page 104).
For standard functions see page 29.	

Downloading ringtones and logos

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

Remember that ringtones/logos may be protected (DRM, page 27).

E-mail

If more than one account is configured, the list of accounts is displayed (page 81).

Before an e-mail can be read, it must be retrieved from the server. The e-mail application is blocked until download is completed.

The listed files and the options menu vary depending on the receive server type (page 82) of the selected account.

POP3 account

The inbox on the phone contains all the e-mails that are in the inbox on the POP3 server.

You can configure whether or not an e-mail is deleted on the server when deleted on the phone (page 82).

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IMAP4 account

The inbox lists e-mails as well as subscribed folders (e.g. mailboxes). You can subscribe to various folders on the IMAP4 server (page 72).
E-mails are retrieved only from the subscribed folders.

If you delete e-mails on the phone, they are deleted on the server automatically and vice versa.

E-mail options menu

Depending on the current situation, different functions will be offered.

Options Open menu.

View	If only headers are retrieved, retrieve body and display e-mail.
Retrieve e-mail	Retrieve new e-mail for selected account (page 72).
Retrieve all accts	Retrieve new e-mail headers for all configured accounts.
Account settings	Open account settings for highlighted account (page 81). If no account is configured create new account.
Reply/ Reply to all	Create new e-mail.
Forward	Forward e-mail to another recipient.
Add to Contacts	Save as contact (page 74).
Only POP3 account:	
Delete on server	Delete e-mail on server only. The local copy is retained.
Only IMAP4 account:	
Subscr. to folders	(see page 73)
Move to folder	(see page 73)
Unsubscribe	E-mail within the folder is deleted on the phone only. The synchronisation of e-mails to server is stopped.
Display order	Select Folders first/ E-mail first.
For standard functions see page 29.	

You can set the max. size of downloaded e-mails (page 80).

Retrieve e-mail

Depending on the download mode (page 82), either entire e-mails or only the headers are retrieved, or you may be asked whether the entire e-mail or only the header should be downloaded. The number of retrieved e-mails is displayed.

IMAP4 accounts: only e-mails in the subscribed folders are retrieved.

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Subscr. to folders

(only IMAP4 accounts)

You have to subscribe to folders on the receive server in order to retrieve e-mail from these folders.

All subscribed and unsubscribed folders on the receive server are listed. Only two levels of folders are supported.

Select folder(s) and confirm with to subscribe/unsubscribe to folders.

Options Open menu and select **Subscr. to marked**.

If you select the function **Subscr. to marked** while no account is selected, you unsubscribe to all folders.

Move to folder

You can move e-mails from one subscribed folder to another. The move is synchronised with the server the next time you retrieve e-mails.

Select e-mail(s) you want to move.

Options Open menu and select **Move to folder**. The subscribed folders are listed.

Select folder and confirm with Move.

Read options menu

Depending on the current situation, different functions will be offered.

Options Open menu.

Voice call/ Video call	Start voice/video call to sender (if number available).
Go to URL	If e-mail address is highlighted: create new e-mail.
View/Play/ Download	View/play attachment. If not downloaded yet: download attachment.
Delete on phone	Delete downloaded attachment on phone. POP3 account: the attachment is deleted permanently on phone and cannot be downloaded again.
Go to URL	If URL is highlighted: Start browser and load URL (page 95).
Save	Select the save location (phone/memory-card). Downloaded file is saved in corresponding **My stuff** folder (page 116). Selected vCard is saved as contact. Selected calendar object saved as calendar event.

For standard functions see page 29.

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Add to Contacts

You can add contacts received via SMS, MMS or e-mail.

You can add the following contact details:

- contact details of the sender
- contact details (e.g. number, e-mail address) included in the message as contact (page 47). Note that you cannot receive a postal address.
- vCard: contact included in a message.

Save sender/contact details

Contact details included in a message are displayed in the highlighted text. Numbers can be dialled immediately ( ).

Options Open menu and select Add to Contacts.

To exist. contact
Select and confirm with .

Or

To a new contact
Select and confirm with . Select number/address type (e.g. private number) and confirm with .

Save vCard

Options Open menu and select Save contact and confirm with .

WAP push

The following messages are displayed:

- Service Indication (SI)
- Audio, video, image, text
- Service loading

Reading WAP push message

Select desired message and confirm with .

Read messages/information about received data/software. Where required start download.

Service loading message

You can connect to the browser and download the service.

Load Press.

Message with audio/video/image content

The message can contain attached files. You can view/play and save the attached content.

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Message lists

Messages are displayed the same as in the inbox (page 68). The most recently edited/sent message is displayed at the top of the list.

Drafts

→ → Drafts

The list is organised on two tabs: SMS/MMS and e-mail.

You can save a message as a draft while creating it. Messages are saved as drafts automatically

- if transmission fails,
- you close the clamshell while creating a message, or
- you start another application while creating a message (e.g. you accept an incoming call).

Draft e-mails are not synchronised with the server.

Draft options

Depending on the current situation, different functions will be offered.

Select message.

Options Open menu.

Edit	Edit Message.
Send	Send directly without editing (at least one recipient is added).
For standard functions see page 29.	

Sent messages

→ → Sent messages

The list contains all sent messages and is organised on two tabs: SMS/MMS and e-mail.

Send options

Depending on the current situation, different functions will be offered.

Select message.

Options Open menu.

View	Read message.
Voice call/ Video call	Start voice/video call to sender (if number available).
Forward	• E-mail: Create e-mail and send it. • SMS/MMS: Select SMS/MMS (menu depends on selected message type). Create message and send it.
For standard functions see page 29.	

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Message settings

You can configure SMS, MMS, e-mails, cell broadcast (CB), voice mail and instant messages.

SMS settings

→ → Message settings → SMS → Select function.

SMS profiles

The SMS parameters are configured in up to 5 different profiles. Profiles can be renamed, edited and set as default.

Setting default profile

If profile is already configured:

Select profile and press to set profile as default.

Edit profile

Select profile and press Edit to open editor.

Select option (see table).

Select Press to edit option, confirm setting with .

The following options are displayed:

Message centre	Enter number of message centre.
Recipient	You can set a default recipient for the profile. Select Add from Contacts and select contact/distribution list or enter number.
Validity period	Select Maximum/ 1 week/1 day/12 hours/ 1 hour. If SMS could not be delivered during this period, it is deleted from message centre automatically.
Status report	Select On/Off/Ask on send. A status report is sent when a message is delivered successfully. If Ask on send is activated, a prompt is displayed when SMS is sent.
Send confirmation	Select On/Off/Ask on send to set whether or not a confirmation for successfully sent messages is displayed.
SMS access	Select GSM/GPRS mode for sending/receiving SMS.
SMS memory	Select Phone/SIM as default save location for incoming SMS.
SMS type	Select delivery type.

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Reset profile

[↕] Select profile.

Options Open menu and select **Restore to default**.

Yes Confirm request.

The SMS profile is reset to an unconfigured state. If your provider has locked a predefined profile, it cannot be reset.

Auto header

If the function is activated the Header template is automatically inserted at the start of any created SMS.

On/Off Activate/deactivate and confirm with [▬].

Auto signature

If the function is activated, the Signature template is automatically inserted at the end of any created SMS.

On/Off Activate/deactivate and confirm with [▬].

Save sent items

If the function is activated, all sent SMS messages are saved automatically in the Sent folder (page 75).

On/Off Activate/deactivate and confirm with [▬].

Auto delete SMS

If the function is activated, the oldest SMS message in the Inbox will be deleted upon arrival of a new SMS message.

On/Off Activate/deactivate and confirm with [▬].

Emoticons

Emoticons are little symbols (Smilies) expressing your feelings. If the function is activated, emoticons are automatically displayed as little pictures.

On/Off Activate/deactivate and confirm with [▬].

Text size

You can set the displayed size of the text in the SMS Viewer.

Small/Standard/Large Select size and confirm with [▬].

The message sent notification is displayed, when an SMS is transmitted successfully to the SMS centre. The centre forwards the SMS to the recipient.

If the message was not transmitted to the SMS centre, you can retry once. If transmission fails again, contact your service provider.

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MMS settings

→ → Message settings → MMS → Select function.

MMS profiles

The MMS parameters are configured in up to 5 different profiles. Profiles can be renamed, edited and set as default. You will receive the necessary data from your service provider or via the "Setting Configurator" (page 144).

Setting default profile

If profile is already configured:

Select profile and press to set profile as default.

Edit profile

Select profile and press Edit to open editor.

Select option and edit settings.

The following options are displayed:

Name	Enter profile name.
Connect. profile:	Select profile (page 126).
Internet profile:	Select profile (page 127).
Relayserver URL:	Enter Internet address.
Secure rs URL:	Enter Internet address.

Reset profile

Select profile.

Options Open menu and select Restore to default.

Yes Confirm request.

The MMS profile is reset to an unconfigured state. If your provider has locked a predefined profile, it cannot be reset.

Home retrieval/Roaming retrieval

You can configure when new MMS messages are to be downloaded from the message server for Home and Roaming retrieval.

The following settings are possible:

Automatic	Messages are automatically downloaded as soon as an MMS notification is received.
Always ask	When an MMS notification is received, you are asked whether to download it or not.
Restricted	(only for Home state) When an MMS notification is received, only the notification is displayed.

Select option and confirm with .

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Req. read report

If the function is activated, a report is sent back when the recipient reads the MMS message for the first time.

Yes/No Activate/deactivate function and confirm with [▬].

Req. deliv report

If the function is activated, a report is sent back when the recipient has downloaded the MMS message.

Yes/No Activate/deactivate function and confirm with [▬].

Delivery time

Select how long an MMS message should be held on the server before sending it to the recipient.

Immediate/7 days
Select and confirm with [▬].

Validity period

If an MMS message could not be delivered during this period, it is deleted from the server automatically.

Maximum/1 week/2 days/1 day
Select and confirm with [▬].

Hide number

If the function is activated, your number is withheld from the recipient.

Yes/No Activate/deactivate function and confirm with [▬].

Anon. messages

If set to **Reject**, anonymous MMS messages are rejected automatically.

Accept/Reject
Select and confirm with [▬].

Allow read report

If the function is activated, requested read reports are enabled.

Yes/No Activate/deactivate function and confirm with [▬].

[▬] Confirm the charge notification.

Allow deliv report

If the function is activated, requested delivery reports are enabled.

Yes/No Activate/deactivate function and confirm with [▬].

[▬] Confirm the charge notification.

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Creation mode

You can restrict the content that can be added to an MMS.

The following settings are possible:

Free	You can add any content to the MMS.
Warning	You are warned when attempting to add content to an MMS that cannot be sent.
Restricted	If you attempt to add content that is not compliant (see above) an error message is displayed.

Select option and confirm with [ ].

Auto signature

See SMS settings page 77.

Save sent items

See SMS settings page 77.

Allow adverts

If the function is deactivated, MMS-based advertisements are automatically rejected.

Yes/No Activate/deactivate function and confirm with [ ].

Emoticons

See SMS settings page 77.

Text size

See SMS settings page 77.

Max msg size

The size restriction affects downloaded and created MMS messages.

95 kb/195 kb/Network max Select and confirm with [ ].

E-mail settings

Before using this service you must set the server access and your e-mail parameters. You will receive the necessary data from the service provider or via the "Setting Configurator" (page 144).

The e-mail parameters are configured in up to 5 different accounts. One account might be predefined by your provider. You cannot edit predefined accounts. You can activate, edit or rename accounts.

> Forwarded and answered e-mails use the account that was used to receive the original e-mail.

[ ] → [ ] → **Message settings** → **E-mail** → Select function.

Activating an account

If account is already configured:

Select account and press [ ] to activate.

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Deleting an account

Select account.

Options Open menu and select Delete.

Yes Confirm warning request.

All e-mails in the Inbox, the Drafts and the Sent folders and all attachments belonging to the deleted account are deleted.

Editing an account

The account settings are grouped in the following areas: User Info, Connection Info and Message preference. Additionally you can add/create a signature.

Edit the account according to the information from your provider.

Select account.

Options Open menu and select Edit.

User info/Connection info/Msg preferences/Add signature/Create signature
Select and press Change (see below).

Navigate to input fields.

Open/close input fields.

User info

You can edit the following fields:

Your name:	Your name.
E-mail address:	Your e-mail address (name@domain.abc)
Reply-to address:	Additional e-mail address to use for replies.
User ID:	Your login name for the e-mail server.
Password:	Your password for the e-mail server.
SMTP user ID:	Your login name for the the send server. Only if SMTP authenticate: is enabled in “Connection info” settings (see below).
SMTP password:	Your password for the SMTP server.

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Connection info

You can configure accounts with two different receive server types: POP3 and IMAP4. The configured accounts may have different server types.

You can edit the following fields:

Data service provider:	Select connection profile (page 126).
Receive server type:	Select **POP3/IMAP4**.
POP3 server:	If you want to use a POP3 server, enter the Internet address of the receive server or leave the input field empty.
POP3 server port:	Enter the port number of the POP3 receive server (default: 110).
POP3 uses SSL/TLS:	Select **Yes/No** to activate/deactivate encryption in communication with the POP3 server.
IMAP4 server:	If you want to use an IMAP4 server, enter the Internet address of the receive server or leave the input field empty.
IMAP4 server port:	Enter the port number of the IMAP4 receive server (default: 143).
IMAP4 uses SSL/TLS:	Select **Yes/No** to activate/deactivate encryption for communication with the IMAP4 server.
SMTP server:	Enter the Internet address of the send server.
SMTP server port:	Enter port number of send server (default: 25).
SMTP uses SSL/TLS:	Select **Yes/No** to activate/deactivate encryption in communication with the send server.
SMTP authenticate:	Select **Yes/No** to activate/deactivate authentication on the send server.

Msg preferences

You can edit the following fields:

Download mode:	Select **Only headers/ Full message/Ask user**.
Max msg size (KB):	Enter maximum e-mail size that is retrieved on the phone (in KB).
Copy on serv.(POP3):	(Only POP3 accounts) Select **Yes/No**. If **No** is selected, the e-mail is deleted on the server when it has been downloaded to the phone.
When del.ph. (POP3):	(Only POP3 accounts) Select **Delete on serv./ Leave on srver**. If **Delete on serv.** is selected, the e-mail is deleted on the server when it is deleted on the phone. IMAP4 accounts always delete e-mail on server when deleted on phone.

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Save sent message:	Select **Yes/No** to save a copy of the sent e-mails in the local Sent folder (page 75). To save sent e-mails on server you should set your own address as CC.
Include orig on reply:	Select **Yes/No** to include the original text in the reply message or not.
Req. deliv. receipt:	Select **Yes/No**.
Request read receipt:	Select **Yes/No**.

Add signature

Select **No e-mail/ New e-mail/All e-mails** and confirm with .

Create signature

The signature may span multiple lines.

Enter signature and confirm with .

CB settings

→ → **Message settings**
→ **Cell broadcast**
→ Select function.

Rec. broadcasts

You can activate and deactivate the CB service. If the CB service is activated, the standby time for the phone will be reduced.

On/Off Select and confirm with .

Cell info display

You can select whether or not the local cell information should be displayed in standby mode.

On/Off Select and confirm with .

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Topic list

You can configure the types of broadcast messages you want to receive. The list of configured topics is displayed. You can add/remove topics.

Options Open menu.

Topic status	Select • **Receive**: New messages are received and stored in the Inbox. No notification is displayed. • **Receive and notify**: New messages are received and stored in the Inbox. A notification is displayed in standby mode (page 68). • **Do not receive**: Messages on this topic are rejected.
Add topic by index	Enter topic index number.
Remove topic	Delete list entry.

Inst. message settings

→ → **Message settings** → **Instant messaging**

Open Inst. message settings (page 92).

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Instant messaging

→ → Instant messaging

This function allows text-based conversation with one or more users who are also registered for this service. This function is not offered by all service providers. Please refer to your service provider for further information.

Your dialogue partners are entered in the contact lists. When a connection has been established, these lists show who is available, whether they want to be disturbed and what mood they are in.

Logging in/out

You have to login to use the application. If you are logged in, you are online.

Symbol is displayed in top line of display if you are online.

Symbol is changed to if a new message or an invitation is received.

Manual login

When you start Instant messaging and the phone is not connected to a server, you are asked to login.

Your service provider supplies you with your account information.

User ID: Enter your user name for Instant message service.

Switch to next line.

Password: Enter password for Instant message service.

Press to establish a connection to server. The account information is saved.

If the connection is established successfully and no Alias has been entered yet a notification is displayed.

Confirm to enter Alias.

Alias: Enter name that should be displayed in the conversation window for the other user to see, and confirm with . Alias is saved automatically.

- The saved account information is displayed when you start Instant message again. You can edit information.
- If you are already online, login and alias are not requested when you start Instant message.

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Auto login

If auto login is activated (page 93), the phone uses saved account information (see above) to establish a connection to the server when the phone is powered on.

Closing Instant messaging/ logging out

Options Open menu and select **Exit**.

Logout and exit/Exit
Select whether or not you want to log out when closing the application.

When closing the clamshell the application is closed. The connection to the server is not affected by closing the clamshell.

Instant message in offline state

If you are offline, a new instant message or a conversation invitation is sent either via SMS or via WAP push message (page 68).

The messages are stored on the server temporarily.

If you want to join the conversation you have to start the Instant message application and log in. The info message is displayed as soon as you are online (page 90).

Tabs overview

When you are online the following tabs are displayed:

- **Online contacts**
- **Conversations**
- **Contacts**
- **Info messages**

Online contacts

This is a filtered list of all Instant message contacts that are currently online.

The icon indicates the availability:

- Green: Contact is available
- Yellow: Contact is busy.

When a contact is highlighted, the text of the user is displayed in the second line.

Conversations

Active (group) conversations are listed. Up to 5 conversations can be active at the same time.

New conversations are listed as soon as you receive an invitation message (page 88). To start, end and view conversations see page 88.

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Contacts

Instant message contacts are stored within the Instant message application and on the Instant message server. To create a new Instant message contact you may browse the contacts application.

Availability is indicated in the same way as in the online contacts list (see page 86).

Add new contact

You can enter either a mobile number or the Instant message ID.

<Add new contct> Select and confirm with [ ].

[ ] Navigate to input fields.

Nickname: Enter name (optional).

Select: Select **Phone number:**/ **Messenger ID:**.

Entry: Enter number/ID.

Options Open menu and select **Save**.

> To browse the contacts application press **Options** and select **Contacts**.

Find new users

Options Open menu and select **Find new users**.

[ ] Enter search criteria.

Options Open menu and select **Search**.

The results are listed by messenger ID.

Options Open menu and select **New search** to configure new search criteria.

Authorisation message

If the user you want to add to your contact list has restricted the access to the contact data, the presence is not available immediately. A request is sent to the user. If the user confirms the request an authorisation message is sent. Presence is displayed.

As long as presence cannot be displayed, the contact is not listed in the online contacts (page 86).

Info messages

Info messages can be authorisation messages or server messages (e.g. knock service messages if availability of a user changes, page 93).

Info messages are stored automatically if you ignore an info message or if you are offline. Info messages are purged if you logout or exit the application.

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Starting/viewing/ending conversations

Instant messages are exchanged between users in ongoing conversations. You can join up to 5 conversations. Active conversations are listed on the **Conversations** tab (page 86).

Start conversation

You can initiate a new conversation from any tab within the Instant message application.

Options Open menu and select **Start conversation**.

Enter text (up to 500 digits).

Options Open menu and select **Send**.

- If a single contact is selected, message is sent directly.
- If several contacts are selected or if you invite additional users to an ongoing conversation (page 89), a conversation request is sent to each user. The invited users have to accept the request in order to join the conversation. If user accepts, message is sent. If user rejects invitation, you receive a reject notification.
- If no contact is selected, the Invite contact option is started automatically (page 89).

A notification message is sent if the user is currently offline. Depending on your provider, sent messages may be stored on the server until the user logs in.

Open text input field

During a conversation you can open the input field by pressing [ ] or any key [1] - [9].

- If you do not enter text for about 15 seconds, the input field disappears. Already entered text is saved and displayed when you open the input field the next time.
- You cannot switch between conversations while the input field is open.

View convers.

Options Open menu and select **View convers.**.

Each ongoing conversation is displayed on its own tab. The name of the contact/group the conversation is with is displayed as the conversation title.

The date/time of the conversation is displayed once at the top. The dialogue is displayed including pictures/URLs. Numbers, vCard and other saveable objects are highlighted automatically. Sent messages are marked with <, incoming messages are marked with >.

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Scroll conversation dialogue.

Press and **hold**: Accelerate scrolling.

Navigate to conversation tabs.

View conversation options menu

Depending on the current situation, different functions will be offered.

Options Open menu.

Dial	If number is highlighted: Dial number or press to make a video call.
Send e-mail	If e-mail address is highlighted: Create e-mail.
Open link	If URL is highlighted: Start browser and load URL (page 95).
Enter text	Open text input field.
Insert emoticons	Select emoticon.
Invite contacts	Select contact (page 89).
Participants	List of users currently participating in the conversation is displayed (see below).
Next call/ Previous convers.	Switch between conversation tabs.
Further options on page 91.	

Invite contacts

During an ongoing conversation or at the start of a new conversation you may invite contacts to join in.

Options Open menu and select Invite contacts. All contacts are displayed. The availability is indicated (page 86).

Select contact(s) and confirm with OK to start conversation with selected contacts (page 87).

End conversations

Options Open menu and select End conversation. The conversation is closed.

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Receiving conversations

Alerts

An alert notification is displayed when you receive a new message or a conversation request (page 88).

- If alerts are activated (page 90), the information is also displayed when Instant message is not open but you are online (whether or not the clamshell is closed).
- If you already join 5 ongoing conversations a notification for incoming messages or invitations is displayed. If you want to join a new conversation you have to end an ongoing conversation first.
- If the clamshell is closed, an alert is displayed on the outer display. Open the clamshell to view/accept the conversation. Press ✕ if you want to ignore/reject the message.
- Unlike info messages, alerts not stored.

Receive message

View Press if you want to view the conversation immediately (page 88).

Or

Ignore Press if you want to view conversation later.

Receive invitation message

Accept Press if you want to join the conversation.

Or

Reject Press if you want to reject the invitation.

Receive authorisation request

Depending on your setting (page 92) you may receive a notification if a user attemps to access your presence details.

View Press to view the request.

- **Authorise**

Options Open menu and select **Authorise & add** if the user should be able to access your details.

If the user is not yet saved as a contact, the contact is saved automatically.

- **Block**

Options Open menu and select **Block contact** if the user should not be able to access your details.

The user is added to the Block list (page 92) automatically.

- **Delete notification**

Options Open menu and select **Delete message**.

The user is not able to access your details but is not added to the block list.

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Unknown user

If you receive a message from a user who is not saved in your contacts, a notification is displayed. The contact is added to your contact list automatically when you accept the conversation or answer the message. You can also add unknown users to the block list (page 92).

Inst. message options menu

Depending on the current situation, different functions will be offered. These functions can be applied to the entry currently selected as well as to multiple selected entries.

Options Open menu.

Start conversation	Start conversation with selected contact(s) (page 88).
End conversation	• Initial message: Reject request. • Ongoing conversation: End conversation.
View convers.	Display conversation tab (page 86).
Online stat. data	Display presence details (name, status, text and mood) of the highlighted contact.
Contact details	Display Instant message details of the highlighted contact (Name, Instant message ID, Mobile number and knock alert status). Press **Edit** to open editor (page 87).
Add to Contacts	Confirm safety prompt to add user to contacts (page 87). If the warning message should not be displayed again, select **Options** **Don't show again**.
Add to block list	Confirm notification. User is blocked (page 92).
My online status	Set presence attributes (see below).
Settings	Open Settings menu (page 92).
Standard functions see page 29.	

My online status

You can configure your online status, text, mood.

Navigate to input fields.

Online status: Select **Available/Busy**.

My text: Enter text.

My mood: Select mood.

Options Open menu and select **Save**.

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Settings

Some settings are only available if you are logged into the server.

My details

Alias: Select and open editor with **Edit**. Enter/edit alias (page 85) and confirm with [▬].

Messenger ID

Depending on your provider you may not be able to change the Instant message ID. If you want to edit the ID, you will have to log out and enter the new ID during manual log-in (page 85).

Watcher list

All remote users are listed who have you on their contact list. Note that the list also contains users you have already blocked.

Block list

All remote users are listed who are blocked from contacting you.

Remove user from block list:

Options Open menu and select **Unblock**.

Add notifications

You can configure whether or not other users have open access to your presence information (e.g. your contact details).

If **Receive notific'n** is activated, a notification is displayed when other users try to access your details.

If **Auth. required** is activated, other users need your authorisation to access your details.

Receive notific'n/No notification/ Auth. required
Select and confirm with [▬].

Alerts

You can configure whether a notification is displayed when you receive new messages while Instant message is not open and you are online.

When you are in the Instant message application, new message prompts are always displayed.

If **Knock service** is enabled, you will be notified when a contact's availability status changes from offline or busy to available. If the clamshell is closed, the notification is displayed on the outer display.

[▲▼] Navigate to input fields.

Convers. requests
Select **On**/**Off** to activate/deactivate alert.

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Info messages
Select **On/Off** to activate/deactivate alert.

Knock service
Select **On/Off** to configure alert.

Options Open menu and select **Save**.

Sounds

You can switch sounds on/off. The settings directly correlate to the ringtone settings (page 120).

Navigate to input fields.

Receiving msgs
Select **On/Off** to activate/deactivate alert for new received messages.

Sending messages
Select **On/Off** to activate/deactivate alert for sent messages.

Alert messages
Select **On/Off** to activate/deactivate alert for all notifications including knock alerts.

Options Open menu and select **Save**.

Server

You can configure the server you use for Instant Messages. Depending on your provider you may not be able to edit the server data.

Changes will take effect after logging out and logging in again.

Navigate to input fields.

Server: Enter IP address or domain.

Port: Enter number of the communication port, e.g. 80.

Connect. profile:/Internet profile: Select profile (page 126).

Auto login: Select **On startup/Off** to activate/deactivate auto login.

Options Open menu and select **Save**.

Display data services:

Options Open menu and select **Data services**.

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Voice mail

Most service providers supply you with a mailbox in which a caller can leave a voice mail for you if

- your phone is switched off or not ready to receive,
- you do not want to answer,
- you are making a phone call (and if **Call waiting** (page 129) is not activated).

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

Settings

→ → **Voicemail**

If the number is not yet entered:

Yes Confirm request to open input field.

Or open editor via main menu:

→ → **Message settings** → **Voicemail**

Voicemail no.:

Enter number and confirm with .

Notification

You can activate and deactivate display of a message notifying of new voice mail entries.

On/Off Select and confirm with .

The service provider supplies you with two numbers:

Save mailbox number

You call this number to listen to the voice mails left for you.

/ Select number from contacts or enter/change it and confirm with .

Save call divert number

Calls are diverted to this number.

Enter number.

Or

Open menu and select **Mailbox**. Adopt number or enter if necessary.

Listening to messages

A new voice message may be announced as:

- Icon plus beep or
- Notification via SMS or
- You receive a call with an automatic announcement.

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

Open the clamshell to use the keypad.

Press and **hold** (if necessary enter mailbox) and confirm.

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Internet

→ → Select function.

Or

Press the key to start the browser.

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

The browser is activated with the preset option as soon as you call up the function. Browser settings (page 95) may be specified/pre-assigned by the service provider.

Enter URL

Enter URL.

Options Open menu and select **Go**.

Start the browser and display the entered Internet site.

Changing the prefix

Options Open menu and select **Prefix**.

Enter URL prefix (e.g. http://).

Bookmarks list

Display the list of bookmarks stored in the phone.

Select the bookmark and confirm with to call up URL.

History

Display the list of most recently visited Internet domains and pages. Up to 10 domains and 30 pages per domain can be stored.

Select the history entry.

Call up the URL.

Standard functions see page 29.

Browser settings

Change the settings of the browser.

Select one of following functions:

Multimedia

Choose whether or not to download images, sounds or objects embedded on the Internet pages.

Navigate to functions.

Images Select **Show images**/ **Don't show**.

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Sounds Select **Play sounds/ Don't play**.

Objects Select **Dwnld objects/ Don't downld**.

Options Open menu and select **Save**.

Look and feel

Navigate to functions.

Font size Select **Small/Medium/Large**.

Text wrap Select **Char. bounds./Word bounds.**.

Scroll step Select **Single line/Half page/ Whole page**. Set the increment by which pages are scrolled when navigating within the Internet page.

Connection timeout
Set the maximum wait time for the web response. Select **60 seconds/ 90 seconds/No timeout**.

Title region
Set whether or not to show title region of phone when browsing. Select **Show/Don't show**.

Options Open menu and select **Save**.

Security

Navigate to functions.

Secure prompt
Select **Yes/No**. Display a security request when leaving a page with secure connection to enter a page that is non-secure.

ID cache Select **Enable service/Disable service**. Set whether or not the browser should store your user ID and password.

Cookies Select **Enabled/Disabled** to activate/deactivate cookies.

Link referral
Allow the current page to see previous URL. Select **Allow/Do not allow**.

Certificates

Display the list of stored certificates.

Current

Display the current certificate information.

Certificates list

Select certificate.

Display the selected certificate information, e.g. serial number, algorithm, validity period.

Options Open menu and select **Enable/Disable** for the highlighted certificate.

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WAP push

You can accept or reject message requests from trusted and untrusted sources. If **Ask first** is set, you can decide for each message request whether or not the content should be loaded.

Navigate to functions.

Trusted content/Untrusted content
Select **Fetch content/ Ignore/Ask first**.

Lockout time
Enter lockout time (in seconds) and confirm with .

Options Open menu and select **Save**.

Browser profiles

You can choose one of 5 browser profiles. A browser profile is a superset of an Internet profile, a connection profile, a startpage URL and the show/hide title region setting.

The current browser profile is marked.

Activate profile

Select profile and confirm with .

Edit profile

Options Open menu and select **Edit**.

Navigate to input fields.

Name: Enter profile name.

Internet profile/Connection profile
Select profile (page 127).

Start page Set current URL as startpage for the profile.

Options Open menu and select **Save**.

Reset profile

Select profile.

Options Open menu and select **Reset profile**.

Yes Confirm request.

The browser profile is reset to an unconfigured state. If your provider has locked a predefined profile, it cannot be reset.

Browser options

Options Open menu.

Go	Load entered URL.
Prefix	Change URL prefix.
Home	Call up the pre-set homepage for the current profile.
Bookmarks list	Display the list of stored bookmarks.
Add bookmark	Edit bookmarks. Enter name and address and select whether to save the bookmark for offline browsing.
Update bookmark	(only if offline bookmark) Reload bookmark.

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Enter URL	Enter the URL for direct dial to an Internet address.
Save items	Show the list of items (images/sounds) of current page.Select Save from options menu. Select save location and save selected item in My stuff folder (page 116).
History	Display recently visited pages (page 95).
Forward	Load the following page in the current session, if there is one.
Reload page	Reload the current page.
Send link	Display the URL of the current page for sending via SMS/MMS/e-mail.
Privacy	Clear cache, Clear cookies or Clear history and confirm with [ ].
Set as startpage	Set the current page as browser startpage and confirm with [ ].
Settings	Open browser settings (page 95).
About	Display information on browser, e.g. version.
For standard functions see page 29.	

Ending a connection

Press to end the connection and close the browser.

Navigation in the browser

- Select a link (if link is a phone numer, initiate call).
- Settings, status on/off.

Back — Press to go back a page.

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

Tab through active content (links on page).

Entering special characters

[* ⇧] / [0 +] Select special characters.

The Internet browser is under licence of:

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Download

Downloads are offered on the Internet. Once downloaded, the content is available to you on the phone.

You cannot download more than one content at the same time.

Closing the clamshell does not affect ongoing downloads.

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There are 3 categories of downloads:

- Web browsing.
- Open Mobile Alliance (OMA): Download of the media content that has associated digital rights. Normally you have to pay for the content. The Browser interacts with the DRM (page 27) while downloading.
- Java applications are decrypted and processed by the Java Application Manager (JAM). When you start the download, JAM is started automatically (see below).

- To start the browser, see page 95.
- If the downloaded content type is not supported, a request is displayed. Confirm if you want to continue the download.
- If you download an application you have to confirm the signer of the application before the download is started.
- If you quit the browser while downloading: Confirm request if you would like to continue downloading in the background.
- When the download is completed, you can either continue browsing or open the downloaded content and use it (e.g. set picture as wallpaper, play sound/video).
- Downloaded content is listed in the corresponding folder in **My stuff** (page 116). You can select to save downloaded applications in the folder games or applications.

Java Application Manager (JAM)

Display the list of Java applications currently available on the phone and manage those applications.

Select application.

Options Open menu.

Depending on the application selected, different options are available:

Select	Open the selected link.
Launch	Launch the selected application, that has been fully installed.
Open suite	Select MIDlet application from the MIDlet suite.
Move	Move the MIDlet application to another folder.
Attributes	Display the MIDlet application information, e.g.name/version.
Security	Edit the security settings of the MIDlet application (see page 100).
Reinstall	Download and reinstall the MIDlet application (update).
Java settings	Select connection profile (page 126).
For standard functions see page 29.	

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Security

Navigate to input fields.

Application is:
Select **Trusted/Untrusted**.

Send/rec. message:/Internet access:
Select the security permission for the application. Available settings are: **Allow always/Ask at start/Ask each time/Never Allow**.

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

Games are offered on the Internet. You can download games to the phone (page 98). Once downloaded, these are available to you via the phone.

Some games are already pre-installed on your phone. You will find these listed here:

www.BenQ-Siemens.com/ef81

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Organiser

Calendar

→ → Calendar

You can enter events in the calendar. The time and date must be set for the calendar to work correctly.

AM/PM or 24 h display depends on your settings (page 135).

The calendar offers you 3 views: daily, weekly and monthly. When you switch the view, the current hour/day/week is marked.

Daily view

Display events of the current day. You can scroll from 12 AM to 11 PM. A vertical line indicates the event duration.

One day forward/back.

One hour forward/back.

Edit/New event (page 104).

Birthdays are displayed with subject "Birthday" in a single hour slot at the day start time (page 103). If a birthday event is highlighted, press to open the contact.

Weekly view

Events are shown as vertical bars of different colours on the horizontal hour division. The first 2 upcoming events for the current day are displayed below the calendar.

One day forward/back or one week forward/back if Monday or Saturday is highlighted.

Forward/back one hour through the day.

Display daily view for highlighted day.

Monthly view

Events are shown as a horizontal line at the bottom of the day slot. Week numbers are displayed in the first column. The first 2 upcoming events for the current day are displayed below the calendar.

One day forward/back or one month forward/back if first or last day is highlighted.

One row up/down or one month forward/back if first or last row is highlighted.

Display daily view for highlighted day.

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Calendar options

Depending on the current view different functions are offered.

Options Open menu.

Delete event	Non-repeating event: Confirm with Yes. Repeating event: Select This occurrence/ All occurrences.
e.g. Daily view	Switch to the daily/weekly/ monthly view.
Go to date	Enter the date and confirm.
Synchronise	Initiate the synchronisation of the calendar (page 105).
Settings	Open the calendar settings (see below).
Delete events	Delete all events of the day/week/month.Confirm with Yes. If there are repeating events, only the current event is deleted.
For standard functions see page 29.	

Settings

Options Open menu and select Settings.

Navigate to functions.

Default repeat

Set the default repeat state for newly created events.

Select the required time frame and confirm with ▬.

Possible settings are: Never, Daily, Weekly, Monthly, Yearly.

Default alarm mode

Set the default alarm state for newly created events.

Select the required time span before the event and confirm with ▬.

To set the ringtone see page 120.

Day start time

Set the time displayed on the first line in the daily/weekly view.

Select time and confirm with ▬.

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New event/Edit event

Events are displayed in all calendar views. Overlapping events are displayed in parallel as different vertical bars.

Options Open menu and select **New event/Edit event**.

> If you edit a repeating event, select whether you want to save changes to the highlighted event or to all occurrences and confirm with ▬.

Navigate to input fields.

Subject: Enter description of event (max. one line).

Start date:/Start time: Select the date/time when event starts.

End date:/End time: Select the date/time when event ends.

Alarm:/Repeat: Default setting is selected (page 103). You can change the alarm/repeat for the current event.

Done Save the event.

Information on the alarm

When the set date and time of the event are reached an audio and a visual alarm occur.

Reset alarm

Sco ore Select the snooze option.

Or (if the clamshell is open)

Snooze Select the snooze option. Reset the alarm for 10 minutes.

End alarm

✕ Disable the alarm.

You can also end the alarm tone by opening/closing the clamshell.

Or (if the clamshell is open)

Off Disable the alarm.

Launch calendar

If an event is alerted you can launch the calendar by opening the clamshell.

Or (if the clamshell is open)

▬ Launch the calendar and display the event.

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

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Dictat. machine

[ ] → [30] → **Dictat. machine**

Use the function to record short memos.

- Use your phone as a dictating machine when on the move.
- Record a memo as a reminder or as a note for others.

To start/play back recording see sound recorder (page 110).

Memos are saved in *.amr format in sound the folder (page 116).

Time zones

[ ] → [30] → **Time zones**

You can select the time zone in the world map or the city list (page 135).

Remote sync

[ ] → [30] → **Remote sync** → Select function.

You can use this function remotely to access externally filed data (addresses, calendar) and synchronise these with the data on your phone. The data can, for example, be saved on a company computer.

If you receive a update request via WAP push (page 74), you have to confirm the update to initiate it.

Remote sync

You can configure up to 5 profiles for remote synchronisation. Before you start the synchronisation, check **Active profile**, **Sync mode** and **Apps to synchronise** (see below).

Initiate the synchronisation. The computer is selected and synchronisation started. When completed, the actions which have been performed are displayed.

- If an error message is displayed, correct respective settings.
- If you accept/establish a call during synchronisation, the synchronisation might be stopped depending on your network.
- Closing the clamshell does not affect an ongoing synchronisation.

Active profile

[ ] Select profile you want to use for synchronisation and confirm with [ ].

Edit profile

[ ] Select profile.

Options Open menu and select **Edit profile**.

[ ] Navigate to input fields.

Provider: Select a service provider.

URL: Enter the URL that points to SyncML server, e.g.: //path.to/syncmlserver

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Port: Enter the port number to connect with the SyncML server (1 to 65535).

Username: Enter your login name.

Password: Enter your password (shown as a series of asterisks).

Cont.database: Enter the path to the contact database on the synchronisation server.

Cal. database: Enter the path to the calendar database on the synchronisation server.

HTTP authent.: Enable/disable HTTP authentication. Select **No/Yes**.

HTTP usrname: Enter your user name when **HTTP authent.:** is active.

HTTP passwd: Enter your password when **HTTP authent.:** is active (shown as a series of asterisks).

Restore defaults

Options Open menu and select **Restore defaults**.

Sync mode

Navigate to input fields.

Data to sync: Select whether **All data** or only **Modified data** is to be transferred during synchronisation.

Sync direction: Select the direction in which synchronisation is to occur. Possible settings: **Two-way**, **Mob.overwrite**, **Serv.overwrite**

Apps to synchronise

Check/Uncheck highlighted item. Select the data type: **Contacts**, **Calendar** or both.

Done Press to confirm.

Sync log

Display a summary of the latest synchronisation. The log indicates whether the synchronisation attempt was successful, e.g. date, time and details about the synchronised application.

You can synchronise via Bluetooth or USB. For original Accessories, e.g. Data Cable, see page 168. During the synchronisation all applications are locked.

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Extras

My menu

Create your own menu with frequently used functions, phone numbers from the contact list or applications. The list of 10 entries is preset. You can, however, change it as you wish.

Using

Select an entry.

Confirm.

Or

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

Change menu

You can replace each entry with another entry from the selection list.

Select an entry.

Change Press to open the function list.

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

Confirm to save the entry.

If **None** is selected, the assignment is cleared from the list.

If **Assign speed dial** is selected, the contacts list is opened. Select a contact. If the contacts list is empty, select **Initialising...** to create a new contact.

SIM toolkit (optional)

→ → **SIM toolkit**

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 softkey (on the left).

Symbol for SIM services.

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

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Alarm clock

→ → Alarm clock

The alarm clock can be set for each day of the week separately.

Set alarm

Select day of the week.

Options Open menu and select Set alarm.

Set time (hh:mm).

Options Open menu and select Save. The saved alarm is activated automatically.

The alarm will ring with the set melody and volume, page 120.

Apply every day

Options Open menu and select Apply every day.

Options alarm clock

Options Open menu.

Set alarm	Edit currently highlighted alarm and save it (see above).
Turn on/ Turn off	If alarm is off, turn is on and vice versa.
Apply every day	Use the time of the highlighted alarm for every day of the week.
For standard functions see page 29.	

End alarm

The alarm will ring at the set time, even when the ringtone or the phone is switched off. If the phone is switched on by the alarm, it won't switch off again if you end the alarm.

Reset alarm

Sco ore Stop the alarm tone, and reset it for 10 minutes.

Or (if the clamshell is open)

Snooze Stop the alarm tone, and reset it for 10 minutes.

The original time of the alarm is not changed.

End alarm

End alarm.

You can also end the alarm tone by opening/closing the clamshell.

Or (if the clamshell is open)

Off End alarm.

The alarm remains active and will occur at the same time in one week.

Display in standby mode: alarm clock is turned on.

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Calculator

→ → Calculator

The calculator can be used in a basic version and with an advanced range of functions. The input line and two calculation lines (including the matrix with the calculation functions) are located in the top display half.

Enter digit(s).

/ Navigate to functions.

Select function.

Enter digit(s).

Use function. The result is calculated and displayed immediately.

Basic functions	
+, -, *, /	Basic calculator types
=	Result
1/x	Reversion
%	Convert to percentage
.	Decimal point
±	Sign change "+"/ "–"
Options	**Expansion of the range of functions**:
$\sqrt{x}$	Square root
x^2	Square
e	Exponent
MS	Save displayed number
MR	Call up saved number
M+	Insert number from memory

Unit converter

→ → Unit converter

You can convert various amounts into other units.

Converting the units/currency

Select the source unit/ currency.

Switch to the input field.

Enter the quantity to be converted.

Switch to the selection field.

Select the target amount/ currency. The result is displayed.

You can use both input fields alternately.

Opens the calculator with the current converted value.

Special key functions:

Set decimal point.

Change sign.

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Currency

When you call up the function, you must enter a basic currency into which the conversions are to be made.

Enter currency (e.g. euro).

Save Store entry.

Enter the name and the exchange rate of the currency to be converted.

Sound recorder

→ → **Sound recorder**

Use the sound recorder to record noises and tones for use as ring tones. Tone recording is normally started by other applications/functions such as the "Media Player".

New recording

Record new
Select.

If a Micro SD Card is inserted (page 20), select save location:

Phone memory/Card
Select default save location and confirm with .

The remaining recording time as well as the available time are displayed.

Press to start recording. A brief tone sounds when the recording starts.

Pause/record alternately.

Done End recording.

The recording is saved in a file in .wav format with a time stamp in the sounds folder (page 116).

If the sound recorder was started from another application, e.g. Media Player, you return to that state automatically.

- A brief tone sounds when the remaining time available is less then 5 sec.
- Closing the Clamshell exits the application. The record is saved automatically.
- An incomming call ends recording. The record is saved automatically.
- If available memory is insufficient, recording is not started. If phone runs out of memory during recording, recording stops. An corresponding message is displayed.

Playback

Select recording.

Playback/pause, alternately.

Stop Stop playback.

For volume settings and additional options see media player (page 113).

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Stopwatch

→ → Stopwatch

Use the stopwatch to measure time or to save intermediate times.

Start/Stop/Restart.

Lap When stopwatch is running: Switch to lap mode.

After a stop:

Reset Reset time to zero.

Lap mode

While the stopwatch is running, the lap mode is available (see above). In lap mode, a lap is counted as the time between subsequent key presses.

The stopwatch continues to run and is displayed above the laps.

Lap Save lap time.

Start/Stop/Restart stopwatch.

After a stop:

Reset Reset lap times to zero.

99 laps can be saved. The last 6 laps are displayed.

Exit Stop and exit application.

Exit application, but stopwatch continues to run.

Closing the Clamshell exits the application, as well. The stopwatch does not continue when the clamshell is closed.

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Media player

You can use the audio playback with the Media player also if the clamshell is closed.

Viewing pictures and video streaming/playback is only possible if the clamshell is open.

Start the Media player

Clamshell closed

♫ Select to open the music tab of the Media player.

You access directly the **Music** tab.

Clamshell open

When you view a picture/video or listen to a melody, the application (e.g. Camera, Messages, My stuff) starts the media player automatically.

The media player functions are accessible via 4 tabs: **Music**, **Pictures**, **Videos** and **Bookmarks**.

Select tab.

The media player contains files stored on the phone memory as well as files stored on the Micro SD Card (those files are marked).

- An incoming call puts playback in the background automatically (page 32).
- Closing the clamshell extis the Media player except if the music tab is selected or during audio playback.
  If audio playback was started from another application (e.g. My stuff), the Media player as well as the other application is closed if you close the clamshell.

Music

The music tab includes MP3 and AAC files. For fast access, the tracks are sorted by the following categories:

- **Playlists**: Display configured/new playlists (page 113).
- **Recent**: Display the 20 most recently played tracks (up to 25).
- **All**: Display all saved tracks sorted by track name.

If you close the clamshell the current list is displayed on the outer display.

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Playback

Clamshell closed

(Only if the Media player is in the foreground)

/ Select track/playlist and confirm with / .

The playback is started. At the end of the track, the next track in the list/playlist is played automatically.

/ Playback/pause depending on current state.

During playback:

/ Control volume.

If playback is paused:

/ (not within live stream) Skip to previous/next track or rewind/forward within track.

End playback and return to music tab.

Clamshell open

Select track/playlist (page 113) and confirm with .

The playback is started. At the end of the track, the next track in the list/playlist is played automatically.

> If playback was started from another application, e.g. My Stuff, playback stops at the end of the track.

The media player offers the following functions during music playback:

Playback/Pause depending on current state.

Press **briefly**: Skip to previous/next track.

Press and **hold**: Rewind/ fast forward within the current track (not within live stream).

Set the volume.

> To change the volume setting, the audio playback has to be in the foreground, see task switching (page 32).

Create new playlist

(Only if the clamshell is open)

You can order several tracks in playlists.

Playlists Select category on the top level of the music tab and confirm with .

<New playlist>

Select and confirm with .

Enter name and confirm with .

Add files to playlist via the options menu (page 115).

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Pictures

(Only if the clamshell is open)

All files are listed with thumbnail, file name and size.

Display picture

Select file and confirm with [ ].

The following functions can be applied to a displayed picture:

Switch to full screen mode.

Skip to previous/next picture in the directory.

If started from another application, e.g. **MMS**, skip to previous/next picture of that folder.

Videos

(Only if the clamshell is open)

Select file and confirm with [ ].

The media player offers the following functions for video playback:

Playback/Pause depending on current state.

(not within live stream) Rewind/Fast forward if supported.

Press to enter full screen mode.

For volume settings, see music playback (page 113).

Bookmarks

The Bookmarks tab shows a listing of up to 30 streaming content links on the phone and **Micro SD Card**. Each URL must correspond to a single online audio/video file. These bookmarks are not listed as browser bookmarks.

The first line of each item is the name of the bookmark. When selected, a second line with the URL/path to the online content is displayed.

Select bookmark and confirm with [ ]. Start Playback music/video directly from bookmark (live stream).

Music/Video is downloaded. To ensure a continuous playback, the data is buffered on the phone. The playback starts about 5 seconds after the connection was established. The buffer progress is displayed before and during playback.

For volume settings, see music playback (page 113).

- If you close the clamshell after having started an audio streaming, the streaming continues. Video streaming is stopped if you close the clamshell.
- You cannot pause an audio/video live stream.

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Media Player options

(Only if the clamshell is open)

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

Options Open menu.

Music file selected	
Add to playlist	Open list of all tracks. Select track(s) you want to add, press **Options** to open menu and select **Done**. Select new/existing playlist. The highlighted tracks are added.
Remove tracks	Delete track from playlist.
Change order	Select move option depending on current position of the track.
Picture file selected	
Zoom in/ Zoom out	Zoom picture. / navigate within the picture in zoom mode.
Fit to screen	If picture is zoomed, return to original sizing.
Slideshow	Start automatic flow through pictures of current folder. Jump to next/previous picture manually with navigation key. Slide show ends when all pictures in the folder are viewed. End manually with softkey.
Bookmark selected	
Settings	Select connection profile (page 126). Press **Options** to open menu and select **Save**.
Further functions	
Play/Pause	Playback/Pause current file.
Full screen	Enter full screen mode.
History	Open history (see below).
Photo/Video	Start camera in picture/ video mode (page 61).
Sound	Start Sound recorder (page 110).
Set as bookmark	(Only streaming content) Add to bookmarks list.
For standard functions see page 29.	

History

You can access a history comprising the last 10 files opened regardless of their type and their storage location. Streaming data is also included. If you try to open a file which has been deleted already, an error message is displayed.

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My stuff

To organise your files, you can use the file system like a PC file manager. There are some folders in **My stuff** for various data types for this purpose. If, for example, you want to download new pictures or sounds, the download function is contained in the relevant folder.

Remember that pictures and sounds may be protected (DRM, page 27).

You can open **My stuff** either from other applications, e.g. media player, messages, settings or via the main menu:

If a Micro SD Card is inserted (page 20), folders/files are organised on a separate tab. Files are managed the same way as files saved on the phone.

Select tab (phone memory/ Micro SD Card). List of folders/files is displayed.

Select folder/file or link and confirm with .

Back Go back to previous folder level.

Depending on your selection, the file and respective application are opened, or the download is started.

Index structure

Files are organised in folders. Some folders have already been created for different data types. These folders cannot be changed: **Sounds**, **Pictures**, **Videos**, **Misc.**.

The phone memory tab has, additionally, the folders **Themes**, **Games** and **Appl.**. When selected, the number of entries is displayed.

The content of the fixed folders is filtered. The folders contain special media types (see table page 117). Files that do not fit in another folder are listed in **Misc.**.

You can add personal folders on the top level as well as subfolders. Personal folders are displayed behind the default folders.

Personal folders on the top level can contain mixed media types. You can delete personal folders.

Within fixed folders you can add personal subfolders, which are restricted to the media type of the fixed folder.

When you enter **My stuff** from other applications, e.g. messages, to open/send file with a specific media type, the respective fixed folder is opened. In that mode you can select files of the same type stored in personal folders via links from fixed folders.

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Folder	Content/Options	Formats (e.g.)
Sounds	Melodies, records New entry: Start sound recorder (page 110).	mp3,aac, aac+, aac++, m3u, mid, amr, wav, real audio 8/9
Pictures	Pictures New entry: Start camera in picture mode	bmp, jpg, jpeg, png, gif
Videos	Videos New entry: Start camera in video mode	3gp, H263, MPEG4
Themes	Load theme (packed) Theme configuration (unpacked). Select theme to activate it.	*
Games	Launch Java Application Manager (page 98).	jar, jad
Appl.	Launch Java Application Manager (page 98) and display list of saved applications.	*
Misc.	Files of media types that are not included in other folders, e.g. text modules, intenet pages. If you try to open a file of unknown type an error message is displayed.	e.g. html, wml

Depending on your provider the structure, content and functionality may differ.

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Options

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

Options Open menu.

View/Play	Start Media player and view/play selected file.
New folder	Create new folder on the current level and name it.
Search	Open file search dialogue (see below).
Move/Copy	Place highlighted file(s) in temporary memory. Move: delete selection in the originating folder. Copy: duplicate selection in the destination folder. If a DRM protected file is selected, the copy/move option is not available.
Paste	Transfer content of temporary memory into current folder. If you paste content to another top level folder, only folders are displayed which accept this media type. Note that protected items cannot be transferred to the **Micro SD Card** (DRM, page 27).
Assign to contact	Assign media file as ringtone/picture to a contact.
For standard functions see page 29.	

File search

For easy file search you can enter several criteria: name, file type and date of creation.

Options Open menu and select **Search**.

Navigate to input fields.

Enter file name.

Select file type.

Open date editor. Enter number and select range in next line.

Search results are displayed in list. The symbol shows the save location.

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Settings

Profiles

→ → Profiles

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

- 6 standard profiles are provided with default settings: **General**, **Silent**, **Meeting**, **Outdoor**, **Car kit**, **Headset**. You can edit the default settings.
- You can set and rename 2 personal profiles (**User profile 1** and **User profile 2**).

> - Bluetooth Car Kits do not support profiles, e.g. General, Silent, Meeting, Outdoor, Car kit, Headset.
> - If you change settings when not in the profile menu, changes are not saved in the current selected profile.

Activating a profile

Select a default profile or a personal profile.

Activate profile.

Profile settings

Edit a default profile or create a new personal profile:

Select profile.

Options Open menu and select **Change settings**.

The list of available settings is displayed. For details see corresponding menu descriptions.

When you have finished setting one function, you return to the profile menu and can change further settings.

> In standby mode: Press **briefly** to display Profile list.

Profile options

Options Open menu.

Activate	Activate selected profile.
Change settings	Change profile settings.
Return to default	Enter phone code (page 33) and confirm with **Yes** to set profile settings to default.
Copy from	Copy settings from another profile. Select profile whose settings you want to copy and confirm with .

Headset

The special profile **Headset** is automatically set when an original headset is attached (see also accessories, page 168).

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Ringtones

→ → Ringtones

Volume

Set the tones on the phone to suit your requirements. The volume setting controls the volume of the ringtone as well as the general volume level of beeps and tones played by different applications. The volume setting does not affect the media player.

You can set the volume in 5 Levels or switch ringtones off.

Set volume and confirm with .

While editing the volume level, the currently set level is played.

Voice calls/Video calls/ Calendar/Alarm clock

Select function and set melody and tone for each function separately.

Melody

Select a sound file to use as ringtone.

Select melody from **My stuff** folder (page 116) and confirm with **Select**.

Tone

Depending on the selected function, the following options will be offered:

On/Off	Activate/deactivate melody specified above. You cannot turn off the alarm clock tone.
Beep	Set ringtone to beep.
Ascending	Set ringtone to melody with ascending volume.

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

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Messages

Melody

Melody settings on page 120.

SMS & MMS tone/CBS alert tone/ E-mail tone

Set alert tone used for the different types of messages.

Tone settings on page 120.

Inst.msg sounds/Game sounds/ Startup sound/Shutdown sound

Set pre-defined sound effect for the selected function.

On/Off Activate/deactivate tone and confirm with [■].

Open cl. melody/Close cl. melody

Set melody to be played when the clamshell is opened/closed.

Melody

Melody settings on page 120.

Tone

Tone settings on page 120.

Themes

[■] → [🔧] → **Themes**

Load a completely new user interface in your phone. With the press of a key, various functions are re-organised based on a theme, e.g.

- switch on/off melody
- opening/closing melody
- additional animations

Theme files are packed to save memory space. After a download (page 98) or a call from **My stuff** (page 116), themes are automatically unzipped when activated.

In addition to the automatic exchange of theme parameters (e.g. switch on/off melody), you will have to manually set parameteres such as Logo, Screensaver.

> When you select a theme all the components of the theme apply to the phone, e.g. ringtones, wallpaper. The existing settings might be overwritten.

Activating a theme

[▲▼] Select theme and confirm with [■].

If you delete an active theme, some used elements are reset to default.

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Display

→ → Display

Set Wallpaper/Logo

You can set pictures separately for following functions:

Wallpaper

Background image used on either display in standby mode. You can set a Wallpaper for each display separately.

Logo

Graphic to be displayed instead of the provider logo.

Set Wallpaper/Logo

Inside wallpaper/Outside wallpaper/Logo

Select and confirm with .

Select file from corresponding folder in **My stuff** (page 116) and confirm with **Select**.

Change Wallpaper/Logo

Options Open menu and select **Change**.

Select file and confirm with **Select**.

Screensaver

Picture displayed on either display when a time period specified by you has elapsed. An incoming call pressing any key or opening/closing the clamshell will end the function unless the safety function is activated. The setting is valid for both displays.

Navigate to input fields.

Style: Select style.

Picture: If style **Picture:** is selected: Select file from corresponding folder in **My stuff** (page 116).

Timeout: Select standby time before screensaver is shown.

Auto key lock
Activate/deactivate function to automatically lock the keys when screensaver is active. Select **On/Off**.

Warning!

When the screensaver is manually set,
- the talk/standby time is reduced dramatically
- the screensaver can cause irreversible display burn-in effects.

Additional information

The screensaver is not activated during a voice call or Bluetooth session, while the camera application is active or during video playback.

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Greeting message

Set a message to be displayed when the phone is switched on.

Enter greeting (up to 2 lines).

Backlight time

Set the backlight duration for the display.

Select time and confirm with .

Brightness

Set the brightness level for the display.

Decrease/increase brightness and confirm with .

Power save

Set the time when the display goes into power save mode automatically. The setting is valid for both displays.

After 1 minute/After 5 minutes/ After 10 minutes/Never
Select time and confirm with .

Vibration (silent alert)

→ → **Vibration**

To avoid the disturbance caused by a ringing phone, you can activate the silent alert function as an alternative. The silent alert can also be activated in addition to the ringtone (e.g. in noisy environments).

Vibration is deactivated when the battery is being charged and accessories are connected (except the headset).

Vibration

Select the vibration pattern.

Off/Standard/Helicopter/UFO/Shock/ Mosquito/Train
Select vibration and confirm with .

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Connectivity

[ ] → [ ] → Connectivity

Bluetooth® (BT)

Bluetooth is a short-range radio connection by means of which a headset or car kit or such can be connected without the need for wires.

Using the **Send** function in the options menu for the application concerned you can also use this route to send data.

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

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

The Bluetooth® word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by BenQ Corp. is under license. Other trademarks and trade names are those of their respective owners. Bluetooth QDID (Qualified Design ID): B02421.

If the clamshell is closed:
- The connection status is displayed on the outer display.
- A notification is displayed to announce ongoing data transfer via bluetooth. Press [×] to cancel the data transfer.
- If another user tries to establish a connection and the device is truseted (page 125), the connection is established automatically. If the other device is not trusted a request is displayed to open the clamshell.

Bluetooth active

On/Off Activate/deactivate Bluetooth and confirm with [ ].

Bluetooth reduces the phone's standby time if it is activated.

Shown on either display:

- Bluetooth activated.
- Bluetooth visible to other users.
- During transmission.
- Call on Bluetooth device accepted.

File location

Select where the files are to be stored after being tranferred via Bluetooth.

Phone/MultiMediaCard Select and confirm with [ ].

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Search

Search for specific categories of devices or for all Bluetooth devices.

All devices/Audio/Phone/PC
Select and confirm with [■] to start search.

Found devices are displayed in a list (for list options see below).

If **Audio** is selected Headsets, Car kit and audio or video devices are listed.

Known devices

Display the list of known devices (max. 10 devices).

Last connected

Display the list of last 10 connected devices, including those that are currently connected.

Bluetooth name

Display device address. Enter the device name that is shown to other BT devices when they request this (see Bluetooth visibility).

Enter BT name for your phone (up to 16 characters) and confirm with [■].

If no name is entered, the device address is shown to other BT users (the device address cannot be changed).

Bluetooth visibility

The device address/name is shown or not to other BT devices if they request this in order to receive or send data.

Select one of the following options and confirm with [■].

On/Off	Activate/deactivate visibility.
Auto	Set visibility for 5 minutes, then visibility is disabled automatically.

List options

Depending on the current list (known or last connected), different functions will be offered.

Select device from list.

Options Open menu.

Trust/ Do not trust	Enter the password to trust the device or remove trust option of device. Trusted devices are added to the known list automatically and do not require the password to connect.
Connect/ Disconnect	Establish/end bluetooth connection to a known audio device. Only one audio device may be connected at a time.

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View details	Display the device details: Name:, Device type: and Address:.
Add to known list	Add the device to the known list.
New search	Start a new search.

GPRS

(General Packet Radio Service)

GPRS can be enabled or disabled depending on your service provider.

Data counter

Display the data transfer information.

Reset the data counter and confirm with .

Connect.profiles

Depending on your provider up to 25 profiles may be preset containing a collection of settings utilised by applications. Depending on your provider you may rename/edit/delete the profiles via the options menu.

Select profile from list and confirm with .

The following information is displayed and may be edited:

Profile name: Default/changed name.

APN: Access point name (URL).

Login: Your login name.

Password: Your password.

Authentication: Select authentication mode: Normal/Secure/None.

DNS 1 (opt):, DNS 2 (opt): The IP addresses of the used primary/secondary DNS server. DNS servers are used on the Internet to translate IP addresses into domain names and vice versa.

Your provider will supply you with your login and password.

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Internet profiles

Depending on your provider up to 25 profiles are preset containing a collection of settings utilised by applications. Dependig on your provider you may rename/edit/delete the profiles via the options menu.

Select profile from list and confirm with .

The following information is displayed and may be edited:

Profile name: Default/changed name.

Type: Select profile type: **HTTP/WAP**.

Security: Select security mode.

Proxy server: IP address or domain of the server used for Internet access.

Proxy port: Communication port of the server (1 to 65535).

Login: Your login name.

Password: Your password.

Your provider will supply you with your login and password.

Linger time

Depending on your provider you may be able to specify the linger time which will apply to all applications.

Enter time (1-999 seconds).

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Shortcuts

You can assign one important number/function to each softkey, the navigation key (every direction) and the number keys 2 to 9 (speed-dial numbers).

[ ] → [ ] → **Shortcuts**

Select key

Left soft key/Right soft key
Select key and confirm with [ ].

Navigation keys
Select and confirm with [ ]. Select **Up/Down/Left/Right** and confirm with [ ].

Number keys
Select and confirm with [ ]. Select number key and confirm with [ ].

Set/change shortcut function

[ ] Select function and confirm with [ ].

To assign a number to a key select the contact application and then select the desired contact.

> If no function is assigned, you can set a function if you
> - press and **hold** the number key in stand-by mode and confirm request
> - press the softkey **briefly**.

Start function/call number

The function is started or the number is dialled at the touch of a button.

Press and **hold** key to start application/dial number.

Pre-defined key functions

The following key functions are predefined. You cannot change their function.

[ ] Open **Contacts** (page 47).

[1] Dial the mailbox number (page 94).

> The service provider may have already assigned functions to a softkey (e.g access to "SIM services" or direct call-up of the Internet portal). It may not be possible to modify this key assignment.
>
> The left softkey may sometimes be replaced automatically by [ ]/[ ] to access a new message for example.

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Call setup

→ → Call setup
→ Select function.

Hide ID

When you make a call, your number can be shown on the display of the called party or suppressed. You may need to register separately with your service provider for these functions.

Select one of the following options and confirm with .

Default	Set to default.
On/Off	Activate/deactivate display of the number for all subsequent calls.
Next call only	Activate/deactivate display of the number just for next call.

The setting applies to voice and video calls.

Call waiting

If you are registered for this service, set call waiting.

On/Off Activate/deactivate call waiting and confirm with .

Or

Check status Select to display current setting.

Diverts

You can specify the conditions under which the call types should be diverted to your mailbox or other numbers.

The different call types are described below.

Confirm the warning message.

Divert video calls/voice calls

Voice calls/Video calls Select call type and confirm with .

All video calls/All voice calls/ Unanswered/Not reachable/No reply/Busy Select option and confirm with .

Options Open menu and select **Set**.

Enter the number you want to divert to. Or select **Contacts** from the options menu and select a contact.

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Divert other call types

All calls/Data/Fax/Messages
Select a call type and confirm with [ ].

Options Open menu and select **Set**.

Enter the number you want to divert to. Or select **Contacts** from the options menu and select a contact.

Check status

Options Open menu and select **Check status**.

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

Clear all

Options Open menu and select **Clear all**.

All set diversions are cleared. Confirm with [ ].

> Note that the divert is stored in the network and not in the phone (e.g., when the SIM card is changed).
>
> Reactivate divert: The last divert has been stored. Proceed as with "Set divert". The stored number is displayed. Confirm number.

All calls

All calls are diverted.

Symbol in the top line of the display in standby mode.

Unanswered

A call is diverted in the following situations: **Not reachable**, **No reply**, **Busy** (see below).

Not reachable

A call is diverted if the phone is switched off or is out of range.

No reply

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

Busy

A call is diverted if another call is in progress. If you activated **Call waiting** (page 129), you will hear the call waiting tone during a call (page 42).

Fax

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

Data/Messages

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

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Any key answer

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

On/Off Activate/deactivate and confirm with ▬.

Open clamshell

If **Auto accept** is activated, incoming calls are accepted by opening the clamshell.

Auto accept/Manual accept
Select and confirm with ▬.

Video calls

Specify the additional settings for video calls.

Show my image

If the function is activated, your video image is always transmitted to the caller during a video call.

If the function is deactivated, you can choose whether or not to send the video image when you receive an incoming video call.

On/Off Activate/deactivate and confirm with ▬.

Select image

If you do not want to transmit your video image to the caller (**Show my image** is deactivated), you can select a video mute picture that is shown instead.

Select one of the following options and confirm with ▬.

Standard	Display the default video mute file provided by the manufacturer or the service provider.
Custom	Select a picture from **My stuff** (page 116) folder.

You cannot send protected files during a video call (DRM, page 27).

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Phone

→ → Phone
→ Select function.

Language

Set the language of the display text.

Display language

Show the currently set display language. When **Automatic** is set, the language of your home service provider is used.

Input language

Select a language for text entry. Languages with T9 support are marked with the **T9** symbol. When **Automatic** is set, the input language is based on the display language.

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

***#0000#**

T9 mode

Set T9 (intelligent text entry) or the multi-tap as default text entry method for most of the text entry items.

On/Off Activate/deactivate T9 and confirm with .

Key tones

Set the tone that is played when pressing keys.

→ → Shortcuts
→ Key tones

Tone/Silent
Select and confirm with .

Info tones

Set the service and alarm tones.

On/Off Activate/deactivate T9 and confirm with .

File system

Format card

Format the **Micro SD Card** and delete **all** saved data. Formatting can last longer than one minute.

Press to confirm request.

Memory assistant

Start the memory assistant (page 30).

Phone identity

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

Switch between tabs to display additional information about the device.

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Device check

After the last information page, a self-test as well as the individual test are offered. If you select **Self test**, all individual tests are carried out.

Software version

To display the software version for your phone in standby mode:

*** # 0 6 #**, and select the Configuration tab.

Device manager (DM)

Sessions can be initiated in different ways.

- Manual session: You start the DM session via this menu option.
- Software update: The phone checks the software status each time it is switched on. If an update is available a request is displayed. Confirm the requests to start the software update and to re-boot your phone.

If you want to start a session the battery must be charged at least 50%.

The phone default settings vary from service provider to service provider and can be as follows:

- The settings have already been implemented by the provider. You can start immediately.
- Access profiles have already been created by your provider. Select and activate a profile.
- The access profiles must be configured manually. If necessary, check with your service provider for details. You will find the current settings for the service provider on the Internet at **www.BenQ-Siemens.com/ mobilephonescustomercare** under "FAQ".

Manual session

Display the currently active profile and summary results of the last session.

Options Open menu.

Start	Start the DM session.
Select profile	Select a profile (profile options see below).
Last session	Show the details of the last session (e.g. date, time, additional info).
Resume session	If the last session can be resumed: resume last session.
For standard functions see page 29.	

Profile options

Options Open menu.

Activate	Activate the highlighted profile.
Edit profile	Edit the highlighted profile (see page 134).
Restore defaults	Restore the profile to the default values.
For standard functions see page 29.	

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Edit profile

Navigate to input fields.

Address: Enter the server address.

Port: Enter the port number to connect with the server, e.g. 80.

Provider: Select a service provider.

User name: Enter your login name.

Password: Enter your password (shown as a series of asterisks).

Server ID: Enter the server ID.

Server password: Enter your password (shown as a series of asterisks).

HTTP authent. Enable/disable HTTP authentication. Select **No/Yes**.

HTTP name: Enter your user name when **HTTP authent.** is active.

HTTP password: Enter your password when **HTTP authent.** is active (shown as a series of asterisks).

Master reset

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

Alternatively enter in standby mode:

***#9999#**

Enter the phone code (page 33) and confirm with .

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Clock

[ ] → [ ] → Clock

The clock must be set correctly once at start-up (page 25).

Setting the time and date

Time/Date Select and confirm with [ ].

Enter time (hours/minutes) or date (day/month/year) and confirm with [ ].

If **Auto time** is activated (page 136), the network time is displayed.

- If the battery is removed for longer than 30 seconds, the clock is reset automatically.
- If the time format **12-hour** is activated (see below) press [2 abc] / [7 pqrs] to switch between **am/pm**.

Time zone

The world clock shows the current system time, the time zone (grey vertical bar on the map), the time zone name and the time in the selected city.

The time zone can be changed:

Select the desired setting and change the time zone in the world map.

Select a city in the selected time zone.

Display set time zone.

Options Open menu and select option.

Set time zone	Set a new time zone for the selected city. Confirm with **Yes**.
Auto time	Enable/disable automatic update of the time and the time zone.
Search city	Open the city list and select a city.
For standard functions see page 29.	

If you changed the time zone:
- Alarm clock is changed to the current time zone.
- Calendar events are not affected by time zone changes.

Time format

Set the display format for time used in various applications.

24-hour/12-hour Select and confirm with [ ].

Date format

Set the display format for date.

Select date format and confirm with [ ].

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Show clock

Set the time and date display in standby mode.

On/Off Activate/deactivate and confirm with [ ].

Auto time

If you activate auto time, the time zone is switched automatically to local time by the network.

On/Off Activate/deactivate and confirm with [ ].

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Security

→ → Security
→ Select function.

Auto key lock

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

On/Off Activate/deactivate and confirm with .

The keypad can also be directly locked and unlocked in standby mode. In each case:
Press and **hold**.
Or (if clamshell is closed)
Press and **hold**.

Only protect. SIM

(PIN2 or phone-code protected)

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

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

On/Off Activate/deactivate and confirm with .

PIN codes

Description on page 33:

PIN control, Change PIN, Change PIN2, Change phonecde

This SIM only

(PIN2 or phone-code protected)

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

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

On/Off Activate/deactivate and confirm with .

Barrings

Barring restricts the use of your SIM card (not supported by all service providers). You need a 4-digit network password for network barring. Your service provider will supply you with this password. You may need to register separately for each barring.

Activate/deactivate Barrings

Confirm warning message.

Select call type described below and confirm with .

Activate/Deactivate
Select and confirm with .

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Enter the network password and confirm with [ ] to activate/deactivate barring for selected call type.

Confirm barring message.

All outgoing

All outgoing calls except emergency numbers are barred.

Outg. internat.

(International outgoing)

Only national calls can be made.

Outg. int. x home

(International outgoing without home country)

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

All incoming

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

When roaming

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

Status check

Check the status of selected or all call type(s).

Enter the network password.

Confirm barring message.

Clear all

All barrings are deleted.

Enter the network password.

Confirm to clear all barrings.

Content downl'd ?

Enable or disable a content download notification (page 27).

On/Off Activate/deactivate and confirm with [ ].

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Network

→ → Network
→ Select function.

Network info

Retrieve information about the network operator currently set. Information is displayed.

Confirm network info.

Choose network

Start network search. This is useful if you are **not** in your home network or want to register in a **different** network.

If Auto network is activated (see below), confirm request to deactivate the auto network function.

The list of networks currently available is displayed.

Select network.

Options Open menu.

Info	Display network information.
Select	Set as current network operator.

Auto network

If you activate this function, the phone searches automatically and selects the next network on the preferred network list. Otherwise you can select a different network manually from the network list.

On/Off Activate/deactivate function and confirm with .

When function is deactivated, the Choose network function is started automatically (see above).

Preferred network

Display a list of preferred networks. Customise the list by changing entries.

Select entry.

Options Open menu and select Change.

Select network and confirm with .

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

If the signal strength of the preferred network is inadequate when you switch on the phone, the phone may register in a different network.

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Mode selection

Make sure that your service provider supports the selected mode.

Select **Automatic/GSM only/ UMTS only** and confirm with [ ].

Options Open menu and select **Save**.

Combinations of several modes may be prohibited. Confirm the error message and change selection.

Fast search

If you activate this function, network reconnection is speeded up (standby time is reduced).

On/Off Activate/deactivate function and confirm with [ ].

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Accessories

[ ] → [ ] → Accessories
→ Select function.

Car kit

The Car kit profile is activated automatically as soon as the phone is connected to the car kit.

Edit profile

To edit the Car kit profile see page 119.

Auto answer

Voice and video calls are accepted automatically after a few seconds.

On/Off Activate/deactivate and confirm with [ ].

- Closing the clamshell: In conjunction with a Car kit or headset closing the clamshell will not cancel dialing or incoming calls.
- Auto answer does not apply if you are already in a call.
- If you do not notice that your phone has accepted a call, there is the danger that the caller may eavesdrop.
- Screensaver and power save settings are disabled automatically when the phone is connected to a car kit.

Headset

Only in combination with an original handsfree headset (page 168). If an original headset is used, the Headset profile is automatically activated when the headset is plugged in.

Edit profile

To edit Headset profile see page 119.

Auto answer

Voice and video calls are accepted automatically after a few seconds.

On/Off Activate/deactivate and confirm with [ ].

- Auto answer does not apply if you are already in a call.
- If you do not notice that your phone has accepted a call, there is the danger that the caller may eavesdrop.

Charge via USB

The phone is charged via USB when connected to a computer via USB cable.

On/Off Activate/deactivate and confirm with [ ].

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Mobile Phone Manager

MPM (Mobile Phone Manager) enables you to use extended phone functions from your PC. The phone and PC communicate via Bluetooth or a data cable (see Accessories, page 169).

You can download the newest version of MPM from the Internet:
www.BenQ-Siemens.com/ef81

Please consult the help files and the readme file for further information on the functions and use of MPM.

Organiser

With the Organiser you can administer the contacts of your phone, Outlook® and other Siemens phones (including Gigaset).

Backup and restore

With the backup function, you can regularly make a copy of your phone data on the PC. If you ever lose the data on your phone or replace the phone, you can quickly retrieve all data with the restore function.
Please observe all applicable restrictions for DRM protected data.

Bookmark Management

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

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Phone Explorer

With Phone Explorer you can access your phone's data fast and comfortably. The phone is simply added to your PC's file structure as if it was just another folder on your PC.

Mobile Modem Assistant

Mobile Modem Assistant quickly and effortlessly sets up an Internet connection over your mobile phone so that you can at once surf the Internet at home or abroad without difficulty.

Media Pool

Media Pool offers you a convenient way of managing ringtones, music, playlists and videos. You can move music files to your phone and automatically convert them into a suitable format in the process.

Plug & Sync

Plug & Sync can relieve you of routine tasks. With "Music > Phone" you can always transfer your up-to-date music files and playlists to the phone automatically. With "Photos > PC" you can transfer your newly taken pictures to the PC.

SmartSync

With SmartSync you can synchronise your data with Outlook®, OutlookExpress® or Lotus Notes™ as soon as your phone is connected to the PC. New and edited contacts are synchronised automatically as are messages and appointments.

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Questions & Answers

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

Configuration service

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

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

Problem	Possible causes	Possible solution
Phone cannot be switched on.	On/Off key not pressed long enough.	Press On/Off key for at least two seconds.
	Flat battery.	Charge battery. Check charging indicator in the display.
	Battery contacts dirty.	Clean contacts.
	See also below under "Charging error".	
Too little standby time.	The operating time depends on the respective operating conditions. Extreme temperatures significantly reduce the phone's standby time!	
	Some settings/functions negatively affect the standby time.	It may be useful to restrict the use of the following functions in order to improve the standby time: Bluetooth function, Cell Broadcast, Silent Alert/Vibrator Alarm, Fast Search, display illumination (can be adjusted to a lower level or switched off), frequent use of organiser and games, continuous animated screensaver.
	Data cable connected.	When a data cable is connected, the battery will be empty within a few hours even if there is no active data connection at all. Connect data cable only if necessary.
	Unintentional keystrokes (illumination!).	Activate auto key lock (page 137).

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Problem	Possible causes	Possible solution
Charging error (charge icon not displayed).	Battery totally discharged.	1) Plug in charger cable, battery is on charge. 2) Charge icon appears after approx. 2 hours. 3) Charge battery.
	Temperature out of range: +5 °C to +45 °C.	Make sure the ambient temperature is right, wait for a while, then recharge.
	Contact problem	Check power supply and connection to the phone. Check battery contacts and phone connection socket, clean them if necessary, then insert battery again.
	No mains voltage.	Use different mains power socket, check mains voltage.
	Wrong charger.	Only use original accessories.
	Battery faulty.	Replace battery.
SIM error.	SIM card not inserted correctly.	Check that the SIM card is inserted correctly (page 20).
	Dirty SIM card contacts.	Clean SIM card with a dry cloth.
	SIM card with wrong voltage.	Use 3.0/1.8V SIM cards only.
	SIM card damaged (e.g. broken).	Carry out a visual check. Change SIM card at service provider.
No network connection.	Weak signal.	Move higher, to a window or an open space.
	Outside GSM/UMTS range.	Check service provider's coverage area.
	Invalid SIM card.	Complain to the service provider.
	New network not authorised.	Try manual selection or select a different network (page 139).
	Network call barring is set.	Check network barrings (page 137).
	Network overloaded.	Try again later.
Phone loses network.	Signal too weak.	Reconnection to another service provider is automatic (page 139). Switching phone off and on again can speed this up.
Calls not possible.	New SIM card inserted.	Check for new barrings.
	Charge limit reached.	Reset limit with PIN2 (page 33).
	Credit used up.	Load credit.

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Problem	Possible causes	Possible solution
Certain uses of phone not possible.	Call restrictions are in place.	Barrings can be set by service provider. Check barrings (page 137).
Impossible to make entries in contacts.	Memory is full.	Delete entries in contacts (For standard functions see page 29) or call up memory assistant (page 30).
Voice mail not functioning.	Call divert to mailbox not set.	Set call divert to mailbox (page 94).
! flashes to indicate an SMS.	SMS memory is full.	Delete (For standard functions see page 29) or call up memory assistant (page 30).
! flashes to indicate an MMS.	MMS memory full.	Delete MMS (For standard functions see page 29).
! flashes to indicate an MMS.	Phone memory full.	Delete messages, pictures, videos, games or applications or call up memory assistant (page 30).
Function cannot be set.	Not supported by service provider or registration required.	Contact your service provider.
Capacity problems with, for example, Games & More, ring-tones, pictures, vid-eos, messages.	Phone memory full.	Delete files in the relevant areas. You can use the memory assistant to delete specific files (page 30).
No WAP access, downloading not possible.	Wrong or incomplete WAP settings.	Check WAP settings (page 97). If necessary ask your service provider.
Text message cannot be sent.	Service provider does not support this service.	Contact your service provider.
	Number for service centre not set or incorrectly set.	Set service centre (page 76).
	SIM card contract does not support this service.	Contact your service provider.
	Service centre too busy.	Repeat message.
	Recipient does not have a com-patible phone.	Check.
No Internet access possible.	Wrong or incomplete WAP settings.	Check WAP settings (page 97) and contact your service provider if necessary.

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Problem	Possible causes	Possible solution
PIN error/ PIN2 error.	Three wrong entries.	Enter the PUK (MASTER PIN) supplied with the SIM card according to the instructions. If the PUK (MASTER PIN) has been lost, please contact your service provider.
Phone code error.	Three wrong entries.	Contact Service (page 148).
Service provider code error.	No authorisation for this service.	Contact your service provider.
Too few/too many menu entries.	Functions may have been added or deleted by the service provider via the SIM card.	Check with your service provider.
No fax possible.	Wrong settings in the PC.	Check settings.
	No authorisation for this service.	Contact your service provider.
Charge meter does not work.	Charge pulse is not transmitted.	Contact your service provider.
Damage		
Severe shock.	Remove battery and SIM and re-insert them. Do not dismantle the phone!	
Phone became wet.	Remove battery and SIM. Dry immediately with a cloth, but do not apply heat. Dry connector contacts thoroughly. Stand mobile upright in an air current. Do not dismantle the phone!	

Reset all settings to factory default, page 132: * # 9 9 9 9 #

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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 select according tab) and if available, your Service customer number.

You will also find the most frequently asked questions and answers in the section entitled "Questions & Answers" in this user guide on page 144.

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

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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

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Care and maintenance

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

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

The suggestions given above apply equally to your phone, battery, charger and all accessories. If any of these parts is not working properly, obtain fast and reliable help at our service centres.

Battery quality statement

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

Regardless of this, the battery has been designed and manufactured so that it can be recharged and used for six months after the purchase of you 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.

Display quality declaration

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

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

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Product data

Declaration of conformity

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

CE 0168

Technical data

UMTS class:	3 (0.25 watt)
Frequency range:	1,920 - 2,170 MHz (Band I)
GSM class:	4 (2 watt)
Frequency range:	880 - 930 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: Weight charger: Weight headset: Weight USB cable:	110 g (3.8 oz) 55 g (1.9 oz) 20 g (0.7 oz) 70 g (2.5 oz)
Size:	94 x 51 x 15.9 mm (3.7 x 2 x 0.6 inches) (80 ccm)
Li-Ion battery:	950 mAh
SIM card:	3.0/1.8 V

Phone ID

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

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

.....

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

.....

the customer service number of the service provider:

.....

Lost phone

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

Operating time

The operating time depends upon 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

- UMTS: up to 210 minutes
- GSM: up to 270 minutes

Standby time

- UMTS: up to 250 hours
- GSM: up to 300 hours

Action taken	Time (min)	Reduction of standby time by
Calling	1	30 - 90 minutes
Light *	1	50 minutes
Network search	1	15 minutes
* Key input, games, organiser etc.		

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SAR

INFORMATION ON RF EXPOSURE / SPECIFIC ABSORPTION RATE (SAR)

THIS MODEL MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES

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

The highest SAR value for this device when tested at the ear was **0.42 W/kg**. In positions other than the head, such as on the body, a separation distance of **1.5 cm** is required. The highest SAR value in this case was **0.53 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-EF81**.

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**).

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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?

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.

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

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

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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.

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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

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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.

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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/**

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

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

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

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

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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.

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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

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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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Accessories

Fashion & Carry

Carrying Cases

A range of carry cases is available at specialist shops or you can visit our online shop at:

Original Accessories
www.BenQMobile.com/shop

Energy

Li-Ion Battery EBA-160 (950 mAh)

Spare battery

Travel Charger

Travel Charger EU ETC-100

Travel Charger UK ETC-110

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

Car Charger Plus ECC-100

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

Desk Top Stand EDS-100

Table support for the telefone to facilitate telephone charging.

Handsfree Portable

Headset Basic HHS-100

Simple headset.

Headset HHS-110

Headset with key to accept and end calls.

Headset Purestyle HHS-120

High quality headset with removable earpiece and key to accept calls.

Headset Stereo HHS-150

Stereo headset with key for listening to music and making calls.

Headset Bluetooth®

HHB-700 with EU power supply unit

HHB-710 with UK power supply unit

Elegant and easy to wear Bluetooth headset.

Headset Bluetooth® HHB-100

Easy to wear Bluetooth headset.

Headset Bluetooth® Clip

HHB-130 with EU power supply unit

HHB-131 with UK power supply unit

Stylish Bluetooth headset to clip at your clothing.

Headset Bluetooth®

HHB-160 with EU power supply unit

HHB-161 with UK power supply unit

Elegant Bluetooth headset to wear behind the ear.

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Office

Data Cable USB DCA-140

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

Sync Station DSC-100

Table support for the telefone to facilitate simultaneous data exchange and telephone charging. Contains a Desktop Stand and a Data Cable USB.

Car Solutions

Mobile Holder HMH-100

Universal cradle without antenna port. Ideal for use with Headset or Car Kit Portable.

Car Kit Portable HKP-100

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

Car Kit Bluetooth® Easy HKW-100

Bluetooth high-tech handsfree kit without cable connection to the mobile phone. Plugs into cigarette lighter socket - no installation effort required.

Car Kit Bluetooth® Portable HKW-700

Bluetooth high-tech handsfree kit with integrated display and without cable connection to the mobile phone. Plugs into cigarette lighter socket - no installation effort required.

Car Kit Bluetooth® 75 HKW-710

Innovative fixed installed Bluetooth handsfree kit with external display for safe and comfortable calling in the car.

The products are available at specialist shops or you may visit our online shop at:

Original Accessories

www.BenQMobile.com/shop

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Menu tree

- **Contacts**
- **Call records**
- **Internet**
  - Enter URL
  - Bookmarks list
  - History
  - Browser settings
    - Multimedia
    - Look and feel
    - Security
    - Certificates
    - WAP push
    - Browser profiles
- **Camera**
  - Picture mode
  - Video mode
- **Messages**
  - Create message
    - SMS
    - MMS
    - E-mail
  - Inbox
  - Drafts
  - Sent messages
  - Instant messaging
  - Voicemail
  - Templates
    - Text templates
    - MMS templates
  - Message settings
    - SMS
      - SMS profiles
      - Auto header
      - Auto signature
      - Save sent items
      - Auto delete SMS
      - Emoticons
      - Text size

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- **Messages**
  - Message settings
    - MMS
      - MMS profiles
      - Home retrieval
      - Roaming retrieval
      - Req. read report
      - Req. deliv report
      - Delivery time
      - Validity period
      - Hide number
      - Anon. messages
      - Allow read report
      - Allow deliv report
      - Creation mode
      - Auto signature
      - Save sent items
      - Allow adverts
      - Emoticons
      - Text size
      - Max msg size
    - E-mail
    - Cell broadcast
      - Rec. broadcasts
      - Cell info display
      - Topic list
    - Voicemail
      - Voicemail no.:
      - Vmail notific.
    - Instant messaging
      - My details
      - Watcher list
      - Block list
      - Add notifications
      - Alerts
      - Sounds
      - Server
- **Organiser**
  - Calendar
  - Dictat. machine
  - Time zones
  - Remote sync
- **Games**
- **Media player**
- **Video telephony**

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- **Extras**
  - SIM toolkit
  - My menu
  - Alarm clock
  - Calculator
  - Unit converter
  - Sound recorder
  - Stopwatch
- **My stuff**
- **Settings**
  - Profiles
  - Ringtones
    - Volume
    - Voice calls
      - Melody
      - Tone
    - Video calls
      - Melody
      - Tone
    - Messages
      - Melody
      - SMS & MMS tone
      - CBS alert tone
      - E-mail tone
    - Calendar
      - Melody
      - Tone
    - Alarm clock
      - Melody
      - Tone
    - Inst.msg sounds
    - Game sounds
    - Startup sound
    - Shutdown sound
    - Open Clamshell melody
    - Close Clamshell melody
  - Themes

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- **Settings**
  - Display
    - Wallpaper
    - Logo
    - Screensaver
    - Greeting message
    - Backlight time
    - Brightness
    - Power save
  - Vibration
    - Off
    - Standard
    - Helicopter
    - UFO
    - Shock
    - Mosquito
    - Train
  - Connectivity
    - Bluetooth
      - Bluetooth active
      - File location
      - Search
      - Known devices
      - Last connected
      - Bluetooth name
      - Bluetooth visibility
    - Data counter
    - Connect.profiles
    - Internet profiles
    - Linger time
  - Shortcuts
    - Left soft key
    - Right soft key
    - Navigation keys
      - Up
      - Down
      - Left
      - Right
    - Number keys
      - Key 1
      - ...
      - Key 9

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- **Settings**
  - Call setup
    - Hide ID
    - Call waiting
    - Diverts
      - All calls
      - Voice calls
      - Video calls
      - Fax
      - Data
      - Messages
    - Any key answer
    - Open clamshell
    - Video calls
      - Show my image
      - Select image
  - Phone
    - Language
      - Display language
      - Input language
    - T9 mode
    - Key tones
    - Info tones
    - File system
      - Format card
      - Memory assistant
    - Phone identity
    - Device manager
    - Master reset
  - Clock
    - Time
    - Date
    - Time zone
    - Time format
    - Date format
    - Show clock
    - Auto time

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- **Settings**
  - Security
    - Auto key lock
    - Only protect. SIM
    - PIN codes
      - PIN control
      - Change PIN
      - Change PIN2
      - Change phonecde
    - This SIM only
    - Barrings
      - All outgoing
      - Outg. internat.
      - Outg. int. x home
      - All incoming
      - When roaming
      - Status check
      - Clear all
    - Content downl'd ?
  - Network
    - Network info
    - Choose network
    - Auto network
    - Preferred network
    - Mode selection
    - Fast search
  - Accessories
    - Car kit
      - Edit profile
      - Auto answer
    - Headset
      - Edit profile
      - Auto answer
    - Charge via USB

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