

Safety and General Information

This section contains important information on the safe and efficient operation of your mobile device. Read this information before using your mobile device.

Exposure to Radio Frequency (RF) Energy

Your mobile device contains a transmitter and receiver. When it is ON, it receives and transmits RF energy. When you communicate with your mobile device, the system handling your call controls the power level at which your mobile device transmits.

Your Motorola mobile device is designed to comply with local regulatory requirements in your country concerning exposure of human beings to RF energy.

Operational Precautions

For optimal mobile device performance, and to be sure that human exposure to RF energy does not exceed the guidelines set forth in the relevant standards, always follow these instructions and precautions.

Product Operation

When placing or receiving a phone call, hold your mobile device just like you would a landline phone.

If you wear the mobile device on your body, always place the mobile device in a Motorola-supplied or approved clip, holder, holster, case, or body harness. If you do not use a body-worn accessory supplied or approved by Motorola, keep the mobile device and its antenna at least 2.5 centimeters (1 inch) from your body when transmitting.

Using accessories not supplied or approved by Motorola may cause your mobile device to exceed RF energy exposure guidelines. For a list of Motorola-supplied or approved accessories, visit our Web site at: www.motorola.com.

RF Energy Interference/Compatibility

Nearly every electronic device is subject to RF energy interference from external sources if inadequately shielded, designed, or otherwise configured for RF energy compatibility. In some circumstances your mobile device may cause interference with other devices.

Follow Instructions to Avoid Interference Problems

Turn off your mobile device in any location where posted notices instruct you to do so.

In an aircraft, turn off your mobile device whenever instructed to do so by airline staff. If your mobile device offers an airplane mode or similar feature, consult airline staff about using it in flight.

Implantable Medical Devices

If you have an implantable medical device, such as a pacemaker or defibrillator, consult your physician before using this mobile device.

Persons with implantable medical devices should observe the following precautions:

- ALWAYS keep the mobile device more than 20 centimeters (8 inches) from the implantable medical device when the mobile device is turned ON.
- DO NOT carry the mobile device in the breast pocket.
- Use the ear opposite the implantable medical device to minimize the potential for interference.
- Turn OFF the mobile device immediately if you have any reason to suspect that interference is taking place.

Read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using

your mobile device with your implantable medical device, consult your healthcare provider.

Driving Precautions

The use of wireless phones while driving may cause distraction. Discontinue a call if you can't concentrate on driving.

Additionally, the use of wireless devices and their accessories may be prohibited or restricted in certain areas. Always obey the laws and regulations on the use of these products.

Responsible driving practices can be found in the "Smart Practices While Driving" section in this guide (or separate guide).

Operational Warnings

Obey all posted signs when using mobile devices in public areas.







Potentially Explosive Atmospheres

Areas with potentially explosive atmospheres are often, but not always, posted and can include fueling areas, such as below decks on boats, fuel or chemical transfer or storage facilities, or areas where the air contains chemicals or particles, such as grain dust, or metal powders.

When you are in such an area, turn off your mobile device, and do not remove, install, or charge batteries. In such areas, sparks can occur and cause an explosion or fire.

Symbol Key

Your battery, charger, or mobile device may contain symbols, defined as follows:

Symbol	Definition
	Important safety information follows.
	Do not dispose of your battery or mobile device in a fire.
	Your battery or mobile device may require recycling in accordance with local laws. Contact your local regulatory authorities for more information.
	Do not throw your battery or mobile device in the trash.
	Do not let your battery, charger, or mobile device get wet.
	Listening at full volume to music or voice through a headset may damage your hearing.

Batteries & Chargers

Caution: Improper treatment or use of batteries may present

Safety Information

a danger of fire, explosion, leakage, or other hazard. For more information, see the “battery use & safety” section in the user’s guide.

Keep Your Mobile Device and Its Accessories Away From Small Children

These products are not toys and may be hazardous to children. For example:

- A choking hazard may exist for small, detachable parts.
- Improper use could result in loud sounds, possibly causing hearing injury.
- Improperly handled batteries could overheat and cause a burn.

Glass Parts

Some parts of your mobile device may be made of glass. This glass could break if the product is dropped on a hard surface or receives a substantial impact. If glass breaks, do not touch or attempt to remove. Stop using your mobile device until the glass is replaced by a qualified service center.

Seizures/Blackouts

Some people may be susceptible to epileptic seizures or blackouts when exposed to flashing lights, such as when playing video games. These may occur even if a person has never had a previous seizure or blackout.

If you have experienced seizures or blackouts, or if you have a family history of such occurrences, please consult with your physician before playing video games or enabling a flashing-lights feature (if available) on your mobile device.

Discontinue use and consult a physician if any of the following symptoms occur: convulsion, eye or muscle twitching, loss of awareness, involuntary movements, or disorientation. It is always a good idea to hold the screen away from your eyes, leave the lights on in the room, take a 15-minute break every hour, and stop use if you are very tired.

Caution About High Volume Usage



Warning: Exposure to loud noise from any source for extended periods of time may affect your hearing. The louder the volume sound level, the less time is required before your hearing could be affected. To

protect your hearing:

- Limit the amount of time you use headsets or headphones at high volume.

- Avoid turning up the volume to block out noisy surroundings.
- Turn the volume down if you can't hear people speaking near you.

If you experience hearing discomfort, including the sensation of pressure or fullness in your ears, ringing in your ears, or muffled speech, you should stop listening to the device through your headset or headphones and have your hearing checked.

For more information about hearing, see our Web site at www.motorola.com/hearingsafety (in English only).

Repetitive Motion

When you repetitively perform actions such as pressing keys or entering finger-written characters, you may experience occasional discomfort in your hands, arms, shoulders, neck, or other parts of your body. If you continue to have discomfort during or after such use, stop use and see a physician.

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FCC Notice to Users

The following statement applies to all products that have received FCC approval. Applicable products bear the FCC logo, and/or an FCC ID in the format FCC-ID:xxxxxx on the product label.

Motorola has not approved any changes or modifications to this device by the user. Any changes or modifications could void the user's authority to operate the equipment. See 47 CFR Sec. 15.21.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. See 47 CFR Sec. 15.19(3).

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is

encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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Safety precautions

Information for parents

Please read the operating instructions and safety precautions carefully before use. Explain the content to your children and the hazards associated with using the phone.

- Remember to comply with legal requirements and local restrictions when using the phone. For example, in aeroplanes, petrol stations, hospitals or while driving.
- Mobile phones can interfere with the functioning of medical devices such as hearing aids or pacemakers. Keep at least 20cm/9 inches between phone and pacemaker. When using the mobile phone hold it to the ear which is furthest away from the pacemaker. For more information consult your doctor.
- Always keep the phone and accessories out of reach of small children.
- Small parts such as the SIM card, dust cap, lens ring and lens cap as well as the microSD card can be dismantled and swallowed by small children.
- Do not place the phone near to electromagnetic data carriers such as credit cards and floppy disks. Information stored on them could be lost.
- Do not look directly into the LED (e.g. flash LED) with optical magnifiers because of radiation.
- This product complies with IEC/EN 60825-1 “Safety of Laser Products” for LED Class 1M products; such products are safe under reasonably foreseeable operating conditions.
- Permanent hearing loss may occur if you use ear- or headphones at high volume. You can adapt over time to a higher volume, which may sound normal but can be damaging to your hearing. Set your volume to a safe level. If you experience discomfort or buzzing in your ears, reduce the volume or discontinue use of your ear- or headphones.
- 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.
- The mains voltage (V) specified on the power supply unit must not be exceeded. Otherwise the charging device may be damaged.
- 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.
- You may only open the phone to replace the battery, SIM and microSD card. You must not open the battery under any circumstances. All other changes to this device are strictly prohibited and will invalidate the guarantee.
- 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.
- Dispose of unwanted batteries and phones as permitted by the laws in your countries.
- Only use original batteries and charging devices. Otherwise you risk serious damage to health and property. The battery could explode, for instance.
- All batteries can cause property damage, injury or burns if a conductive material such as jewelry, keys or beaded chains touch exposed terminals. The material may complete an electrical circuit and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside your pocket, purse or other container with metal objects.
- Do not dispose of batteries in fire as they may explode.
- Do not charge the original li-ion batteries in the environment with its temperature below 0 °C (+32 °F) as it may cause loss of charged battery capacity.

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

As mobile devices offer a range of functions, they can be used in positions other than the head, such as on the body. In this case, a separation distance of 1.5 cm is required.

Bluetooth®

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

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

- The initial connection between two devices, what is called "pairing", should take place in familiar surroundings.
- Both devices must be able to identify themselves one time by using a password/PIN. To ensure sufficient security, you should choose a 16-digit number combination for a password that would be difficult to guess (if a PIN has not been assigned).
- An automatic connection acceptance ("connection without confirmation") should only be used in exceptional cases.
- In general, only trustworthy devices should be linked in order to minimise security risks.
- You should restrict the "visibility" of your phone if possible. This will make it much more difficult for unknown devices to establish a connection with your phone. To do this, in the *Bluetooth* menu, set the option *Bluetooth* visibility from On to Off (page 67).
- The name of your phone is transmitted in a *Bluetooth* connection. The factory default is "M7". The first time *Bluetooth* function is activated, or later in the *Bluetooth* menu, you can change this name (page 67).
- If *Bluetooth* technology is not needed, this function should be deactivated.
- Before using *Bluetooth* accessories, or a mobile phone inside a vehicle, check the

vehicle user guide for any limitations on the use of these products.

Phone overview

① Internal Camera

② Soft keys

- The current functions of these keys are shown in the bottom line of the display (see Shortcuts, page 69).

③ Navigation key

- In home screen: press to start shortcut functions (see Shortcuts, page 69).
- In lists, messages and menus: scroll up, down, left and right.

④ OK key

- In home screen: press to open the main menu.
- In lists and menus: start a function / confirm selection.

⑤ Call key

- Press to send or answer calls.
- In home screen: press to open call records.

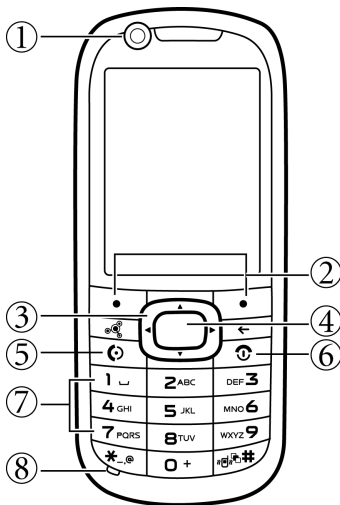
⑥ Power on/off/End key

- Press and hold to turn the phone on/off.
- Press to end a call.
- Press to reject an incoming call.
- Press to cancel dialling.

⑦ Number keys

- Press to enter numbers.
- Press and hold to start a shortcut function/speed-dial a number.

⑧ Microphone




① **Speaker**

② **Connection jack**

For charger, headset, and USB cable.

③ **Main display**

④  **key**

⑤  **key**

- Press to delete entered text.
- Press and hold to delete all entered text quickly.

⑥  **Voicemail key**


In home screen: press and hold to dial your voicemail number.

⑦  **Pound key**

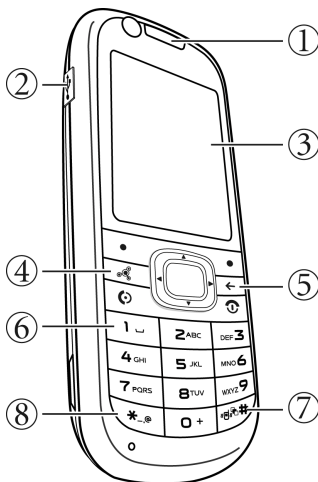
- Press to enter "#".
- Press and hold to activate/deactivate the Silent mode (only incoming call ringtones and messaging tones will be switched off).

⑧  **Asterisk key**

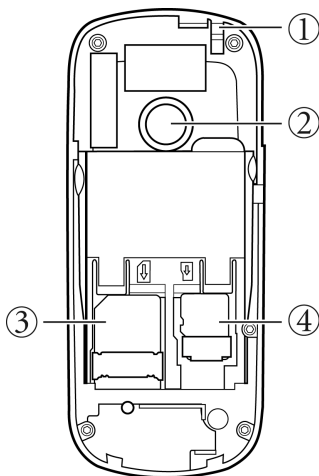
- Press to enter an asterisk "*".
- Press and hold to activate/deactivate keypad lock.

⑨  **key**



















While dialling a number, press and hold to make an international call (enter "+").



- ① Strap Hole
- ② microSD card holder
- ③ SIM card holder
- ④ Camera lens



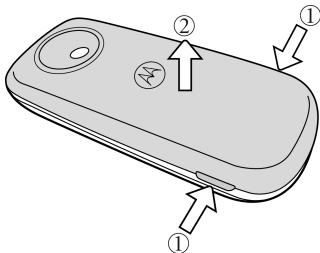
Standby display icons

	3G signal strength
	Battery charge level, e.g. 100%
	GSM signal strength
	GPRS is activated
	New SMS/MMS/E-mail messages
	Alarm set
	Keypad locked
	General profile active
	Silent profile active (all sounds will be switched off)
	Meeting profile active
	Outdoor profile active
	User profile 1 active
	User profile 2 active
	Car kit profile active
	Headset profile active
	<i>Bluetooth</i> technology active
	microSD card in use
	USB data cable connected

Getting started

Removing the back cover

1. Press and hold the tabs as illustrated to release the lock.



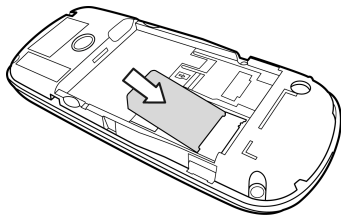
2. Lift the cover off the phone.

Inserting the SIM card

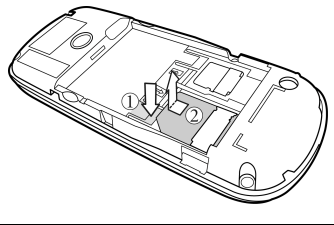
A SIM card can be easily damaged if its metal contacts become scratched. Therefore, take special care when holding or inserting it.

Slide the entire SIM card into the SIM card holder, with the metal contacts of

the SIM card facing downward and the cut corner at the top left as illustrated.

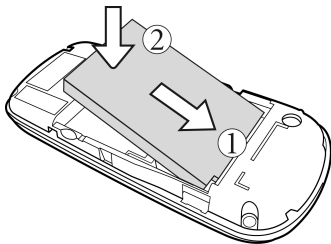


To remove the SIM card, you must first remove the battery to unlock the SIM card holder.



Inserting the battery

1. Slide the the bottom end of the battery into the bottom end of the battery bay.
2. Press the top end of the battery down so that it locks in place.



Switch off your phone before removing the battery.

microSD card

The microSD card gives your phone a very large memory capacity. This allows you to save picture/video files, sound recordings, and any other files.

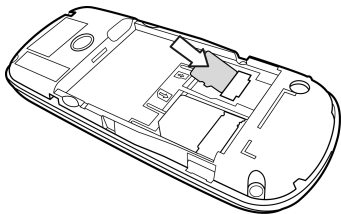
You can access the list of folders and files in the **My stuff** menu (page 57).

Inserting the microSD card

To insert the microSD card, you must first remove the back cover and the battery.

Slide the entire microSD card into the microSD card holder with the metal

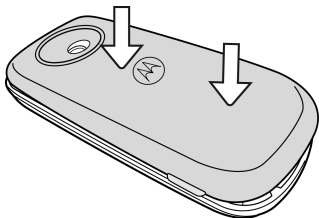
contacts of the microSD card facing downward .



- Your phone can support a microSD card with capacity up to 2GB.
- Your phone does not support a microSD card in FAT32 or NTFS format.
- An icon is shown on the display of your phone when the microSD card is loaded.

Installing the back cover

Press the cover down onto the back of the phone to lock it in place.



Charging the battery

The battery is not fully charged when first unpacked.




1. Swing the cover of the connection socket out.
2. Plug the charger connector into the connection socket on the top left side of your phone. Note that the connector is inserted with the arrow sign facing upward.
3. Plug the charger into a power outlet and charge for at least 2 hours (the battery is 90% charged in 2 hours).
4. Once the phone is fully charged, remove the charger from both the power outlet and the phone.

- Do not remove the battery while charging.
- When the battery is discharged, the charging may not start immediately when you plug in the connector. Wait 2 to 5 minutes for the phone to begin charging.
- Charging is only possible within a temperature range of 0 °C (+32 °F) to +45 °C (+113 °F).
- Do not charge the original li-ion batteries in the environment with its temperature below 0 °C (+32 °F) as it may cause loss of charged battery capacity.

When the battery is low, you will be warned with an alert sound.

Switching phone on/off

Switching phone on

1. Press and hold  to switch the phone on. The phone will display a greeting message (page 60).
2. When being asked, enter your PIN code using number keys and confirm with  (OK) or .

When the PIN code has been accepted, the phone will automatically search for the designated network. This search process may take a few seconds.

- PIN (Personal Identification Number) is the password provided by your network operator. You need this password in order to begin using the SIM card.
- If you enter PIN incorrectly three times in a row, the SIM card will be locked. You must now enter PUK (Personal Unblocking Key) for that SIM card in order to unlock it. Please contact your service provider to obtain PUK.
- To activate/deactivate/change PIN, see page 19.


First time startup

After you have powered on the phone for the first time, or if you have re-installed a battery removed for a long period of time and then power on the phone, you will be guided by **Startup assistant** to set the time information.

Follow the on-screen instructions to complete the initial setup.

Home screen

The phone is in the home screen and is ready for use when the name of the service provider is displayed on the home screen.

Press  to return to the home screen from any situation.

Signal strength

The signal strength is indicated in the top left corner of the display. More bars indicate a stronger signal.




Strong signal.

If the phone is not able to detect the designated network, or links to a network that you are not authorized to use, the signal strength meter will show no bars. You will only be able to make emergency calls.

Emergency Call (SOS)

You can make an emergency call even if your phone is locked or cannot access your network, or if there is no SIM card inserted, as long as you are within range of a network of the type supported by your phone.

1. Enter 112 (the international emergency number).
2. Press .


Offline mode

You can operate many phone functions in offline mode but you are not connected to any network (you are not


available for incoming calls and you cannot initiate a call).

To switch offline mode on/off, see below.

Switching phone off

Press  and hold to switch the phone off.

Or

Press  briefly and select one of the off options.

Switch off	Switch the phone off. Phone switches on automatically if an alarm or calendar event occurs.
Offline mode/ Online mode	Phone is not switched off but is not connected to any network (see Emergency Call (SOS), page 15).
Phone & alarms off	Switch the phone off. Phone will not power on when an alarm or calendar event occurs. This mode is useful, such as in a hospital or on an airplane.
Task Manager	Select whether to display the main menu (menu) or to return to the home screen (home).

General instructions

Connectivity

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

- The fastest method is UMTS (Universal Mobile Telecommunications System). If you use UMTS, you can make high-quality video calls. You can be connected to the Internet permanently. Some service providers do not support this service.
- GPRS (General Packet Radio Service) 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.
- GSM (Global System for Mobile 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 service provider, different methods are used automatically. You can set which method to use depending on your provider.

DRM

This phone features Digital Rights Management (DRM) technology. DRM









allows copyright-protected audio/visual content transmissions for playback in computers, portable devices and network devices, while protecting them from unauthorized use.

Menu Control

Navigating the menus

The phone features various functions and settings organized in menus and submenus.

To select a function from menus:

1. Press  in the home screen to open the main menu.
2. Use  and  to scroll up, down, right or left through the main menu. For example, scroll to **Settings**.
3. Press  or  (**Select**) to enter the **Settings** menu.
4. Press  to scroll to a submenu, for example, **Ringtones**.
5. Press  or  (**Select**) to enter the **Ringtones** menu.




In this user manual, the steps needed to reach a menu are shown in a condensed form.

For example: **Settings > Ringtones**.

Menu speed dialling

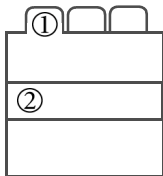
All menu functions are numbered internally according to the position of the menu icon/option on the display. A function may be selected directly by entering the corresponding keys or numbers in sequence.


E.g., to select **Settings > Ringtones** from standby screen:


1. Press  to open main menu.
2. Press  and then press .

Tabs

Tabs allow fast access to information and applications.




① Press  to switch between tabs.

② Press  to leave the current input field/entry and to switch to the next input field/entry.

Standard functions

Options menu

The list below contains standard functions offered across various options menus.





Press  (Options).

<New entry>	Create a new entry.
Save	Store the selected entry.
Change	Open an options list or toggle through different options.
View	Display an entry.
Details	Display additional information about the selected entry. Display properties of the file.
Delete/ Delete all	Delete an entry/delete all entries after confirmation.
Exit	Leave the application.
Edit	Open an entry to edit/open an input field to edit.
Text input meth.	Open the input method menu (page 20).
Text edit menu	Open the text edit menu (page 21).
Sort by	Select sort criterion (e.g. alphabetical, type, status, sender, date/time).

Set as	e.g. set pictures as the wallpapers, logos or screensavers; or set melodies as ringtones.
Rename	Rename the selected entry.
Send	Select transmission type (e.g. MMS, SMS, e-mail or <i>Bluetooth</i> technology) and then send the file.
Create message	Select transmission type and create a message.
Reply/ Reply to all	The sender becomes the recipient.
Capacity/ Memory status	Display memory status for phone, SIM card or the microSD card. If memory is insufficient, start Memory assistant (page 66).


Mark mode

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

1. Press  to select an entry.
2. Press  (Options) and select **Mark**.
3. Press  to select more entry/entries.
4. Press  to mark/unmark an entry/entries.

Mark options

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

Press  (Options).

Mark/ Unmark	Mark/unmark the selected entry.
Mark all	Mark all entries.
Unmark all	Unmark all marked entries.
Delete marked	Delete all marked entries.
Send marked	Send marked entries (e.g. e-mails from draft folder).
Retrieve marked	Retrieve marked e-mails (if only header is retrieved).

Fast list search

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

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

PIN codes

Settings > Security > PIN codes

The phone and the 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.




- If you enter PIN incorrectly three times in a row, the SIM card will be locked. You must now enter PUK (Personal Unblocking Key) for that SIM card in order to unlock it. Please contact your service provider to obtain PUK.
- If PUK has been lost, please contact your service provider.

PIN	(Personal Identification Number 1) Protects your SIM card from unauthorized use.
PIN2	(Personal Identification Number 2) Needed to set the charge detail display and to access additional functions on special SIM cards.
PUK	(Personal Unblocking Key 1) Used to unlock your SIM card after PIN has been entered incorrectly three consecutive times.
PUK2	(Personal Unblocking Key 2) Used to unlock your SIM card after PIN2 has been entered incorrectly three consecutive times.
Phone code	Protects your phone from unauthorized use. If activated, you have to enter the phone code when the phone is switched on (default: 1234).

PIN control

Settings > Security > PIN codes > PIN control







The PIN code is the password provided by your network operator and is usually requested each time the phone is switched on. You can deactivate this feature but you then risk unauthorized use of your SIM card. Some network operators do not permit deactivating the control.

1. Press  (Change) to activate/deactivate PIN control.
2. Enter PIN and confirm with  (OK) or .

Change PIN

Settings > Security > PIN codes > Change PIN

You can change PIN to any 4 to 8-digit number.

1. Enter current PIN code and confirm with  (OK) or .
2. Enter new PIN code and confirm with  (OK) or .
3. Re-enter new PIN code and confirm with  (OK) or .

Change PIN2

Settings > Security > PIN codes > Change PIN2

To change PIN2, proceed as with **Change PIN**.

You cannot deactivate PIN2.

Change phone code

Settings > Security > PIN codes >
Change phonecode

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







To change the phone code, proceed as with **Change PIN**.


If you enter the phone code incorrectly three times in a row, these phone-code protected functions will be locked.

Text entry



Input methods

When an editing screen is displayed, the current text input method is indicated in the upper right corner of the display. Following are some of the input methods.







	Lowercase text input without T9.
	Text input without T9 with the first letter capitalized.
	Uppercase text input without T9.
	Lowercase text input with T9.
	Text input with T9 with the first letter capitalized.
	Uppercase text input with T9.

 123 Numeric input.

Changing input methods






- Press  repeatedly to select an input method available in the same language.
- Press and hold  to display the text input method list.

Using text input without T9

- Press a number key repeatedly until the required letter appears. After a brief interval the cursor will advance. For example:
Press  once briefly to write the letter a, twice to write b, etc. Press and hold to write the number.
- Press  briefly to delete the letter left of the cursor. Press and hold to delete all text quickly.
- Press  /  to move the cursor.
- Press  once/repeatedly: .,?!' " 0 + - () @ / : _
Press and hold: insert 0.
- Press  briefly: insert space.
Press twice: insert a line feed.
Press three times/press and hold: insert 1.




Using T9 Text input

T9 predicts the most probable word from a sequence of keys you press.

1. Press each key associated with the letter you want to enter only once. The letters you have entered appear on the display. The candidate words change with each key you press.
2. If the first highlighted word is not the word you want, press  repeatedly to toggle through all the possible combinations of words until your desired word is displayed.
3. Press  to enter the highlighted word.
4. To end a word, press  to insert a blank, or press  to move the cursor to the right of the word. Press  to move the cursor to the left of the word.






Adding a new word

If a desired word is not in the list of candidate words (as a dotted line i.e. --- indicates), the word is not yet included in the T9 dictionary. You can add the word to the dictionary.

1. Press  (Spell), or press and hold  to select **Spell word**.
2. Enter the word and confirm with .

The next time you enter the word, it is in the list of candidate words.



Correcting a word

1. Press  to move the cursor to the right of the word you wish to correct, and then press  so that the word is highlighted.
2. Press  to scroll through the T9 word suggestions again. Alternatively, press  to delete the letter to the left of the cursor and displays a new possible word.
3. Press  to enter the corrected word.

T9® Text Input is licensed under one or more of the following: U.S. Pat. Nos. 5,187,480, 5,818,437, 5,945,928, 5,953,541, 6,011,554, 6,286,064, 6,307,548, 6,307,549, and 6,636,162, 6,646,573, 6,970,599; Australia Pat. Nos. 727539, 746674, 747901; Austria Pat. Nos. AT225534, AT221222; Brazil P.I. No. 9609807-4; Canada Pat. Nos. 1,331,057, 2,227,904, 2,278,549, 2,302,595; Japan Pat. Nos. 3532780, 3492981; United Kingdom Pat. No. 2238414B; Hong Kong Standard Pat. No. HK1010924; Republic of Singapore Pat. Nos. 51383, 66959, 71976; European Pat. Nos. 0 842 463 (96927260.8), 1 010 057 (98903671.0), 1 018 069 (98950708.2); Republic of Korea Pat. Nos. KR201211B1, KR226206B1, 402252; People's Republic of China Pat. No. ZL96196739.0; Mexico Pat. Nos. 208141, 216023, 218409; Russian Federation Pat. Nos. 2206118, 2214620, 2221268; and additional patents are pending worldwide.





Text options

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

Press and hold  or press  (Options) and select **Text edit** menu to open the options menu:

Insert symbol	Insert a special character or a line feed.
Mark/Unmark	You can mark/unmark text in order to copy and paste it to a different place.
Copy/Paste	Copy/paste highlighted text to a different place.
Input language	Select the language in which you want to compose your message. If you select Automatic , the input language is based on the display language.
Only if T9 is activated	
Spell word	Open the spell box and add new words to dictionary.

Entering symbols and special characters

1. Press  to open the symbol table.
2. Press  /  to navigate characters one by one.
3. Press  to insert the selected character.




Text templates

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



Creating text templates

Messages > Templates > Text


The list of existing templates is displayed.

1. Press  (Options) to select **New template**.
2. Write text.
3. Press  (Options) or  to select **Save**.

- To create a new SMS directly from the **Templates** menu:



1. Select a text template.
2. Press  or press  (Options) and select **New message**.

- To set a template as header/signature for new messages:

1. Select a text template.
2. Press  (Options) and select **Set as header/Set as signature**.

Inserting text templates

Messages > Create message > Message






1. Write a message.
2. Press  (Options) to select **Insert text > Template**.
3. Select a text template from the list and confirm with . The text template is inserted in the message.


Calling

With your phone you can make 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.

Making a video call

To initiate a video call:

1. Enter a phone number, or press  to highlight a contact from **Contacts**.
2. Press  (**Options**) and press  to highlight **Video call**.
3. Press  (**Select**) or  make the call.

- You can also select a number from call records to make a video call (see **Dialling previous numbers, page 24**).
- During a video call, press  to zoom in/out.
- For options available during a video call, see page 26.

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.

Video call options




In video call mode press

 (**Options**).


Video call Call the entered number.

Save	Save the entered number to a new or existing contact.
Contacts	Enter a number from the contact list.
View	View the entered number's contact information, if any.
Insert pause	Insert "P" for extension dialling.




Dialling with number keys

1. Enter a phone number in the home screen.
2. Make a voice call: Press  or .
Make a video call: Press  (**Options**) and select **Video call**.
3. The displayed number is dialled.

Entering international dialling codes:





Press and hold  until "+" is displayed. Then enter country and area codes.

Dialling with number extension:

1. Enter the number.
2. Press  (**Options**) and select **Insert 2-s pause** to insert "P".
3. Enter the extension number.
4. Press  or  (voice call).


You can also use the **Contacts** list to dial a number (page 33).

Ending a call







Press  or  (End call).
You can then press  (Save) or  to save the number to a new or existing contact.

Setting earpiece volume


(Only possible during a call)

Press  to adjust the volume.

Dialling previous numbers

1. Press  to open call records.
2. Press  to scroll to the preferred tab: **All calls/Dialled calls/Missed calls/Received calls**.
3. Press  to pick out a number from the list.
4. Press  or  to call the number.
To make a video call, press  (Options) and select **Video call**.




Listening to voicemail

Press and hold .

If the voicemail number is not stored on your SIM card, you will be asked to set the number.



Accepting a call


Voice call

Press ,  or  (Answer) to accept a call.

Video call

If the incoming call is a video call and **Show my image** is deactivated (default, page 65) **Do you want to show your video image?** is displayed. You have the following options:



- Press  (Yes): Your video is shown to the caller.
- Press  (No): The video mute image is shown to the caller (page 65).

- If **Any key answer** is activated (page 65), you can accept the call by pressing any key.
- To avoid the disturbance caused by a ringing phone, you can press and hold  to switch **Silent mode** on/off.

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.

Rejecting a call

Press  or  (Reject).

Handsfree talking

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

Press  to switch to **Speaker/Handset** to activate/deactivate handsfree talking.

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 **Speaker** (loudspeaker) is activated by default.

Swapping between 2 calls

(Network support dependent and not available during video calls)


Establish a second connection

1. Press  and select **Hold call**. The active call is put on hold.
2. Dial a new number and press  or .


Alternatively, dial the new number and press  or . The active call is put on hold.

Swapping calls

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

Press .




Or


Press  and select **Swap**.

Incoming calls during a call


You will hear a special tone during the call (page 64). You have the following options:

Accepting the waiting call in addition to the first call

Press ,  or  (**Swap**) to accept the waiting call. The current call is put on hold.

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





Or

Press  and select **Swap**.

Rejecting the waiting call

Press  (**Reject**).


Accepting the waiting call, ending the current call

1. Press  to end the current call.
2. Press ,  or  (**Answer**) to accept the new call.


Ending calls


Press  or  (**End call**) to end the active call.

Or

Press  and select **Drop** to select the call to end.

If **Return to held call?** displays, you have the following options:

- Press  (**Yes**): Accept the held call.







- Press  (No): End the held call.

Conference

(Network support dependent and not available during video calls)


Call up multiple parties one by one and link them together in a multiparty call.

Once a call has already been established:

1. Press  and select **Hold call**. The active call is put on hold.
2. Dial a new number and press  or . Alternatively, dial the new number and press  or . The active call is put on hold.
3. When the second call is established, Press  and select **Conference**. The held call is joined.


Ending a conference

Ending all calls

Press .


All calls in the multiparty conversation are ended.

Ending one call


Press  and select **Drop** to select the call to end.

Private call



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

Press  and select **Private**. Then select the entry for the private call.

Swapping between the private call and conference

Press  and select **Swap**.

When a private call is finished

- Press : End the private call and return to the conference.
- Press  and select **Conference**. The private call is joined to the conference again.

Call options

The following functions are only available during a call.

Press .

Mute call/ Mute sound	The person on the other end of the line cannot hear you (muting). In video calls your video is still shown on the other end of the line.
Hands free	Call via the loudspeaker.
Upgrade to video/ 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.
Add to Contacts	Save the number To new contact/To exist. contact
Main menu	Open the main menu.

Not available during video calls:	
Hold call	Hold current call.
Swap	Swap between calls.
Conference	(see page 26)
Drop	End a call in a conference.
Private	Make private call in a conference.
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 image is sent (see page 65).
Pause outg./ Pause inc.	Pause the incoming video (of the other party) or outgoing video (yours). The menu entry changes to Resume inc./Resume outg.
<DISPLAY>Sw itch camera	Determines whether your own video is captured by internal camera or external camera.
Full/split screen	Select the video presentation on your display. See details below.
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 the My stuff menu 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:

Splitscr. - me sm.

The video of the other party as well as your own video are displayed. The video of the other party is shown in full screen mode and your video is shown in an additional small frame.

Them fullscreen

The video of the other party is shown in full screen mode. Your own video is not displayed.

Splitscr. - me lg.

The video of the other party as well as your own video are displayed. 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. The video of the other party is not displayed.


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 (see **All contacts**).
- SIM contacts saved on the SIM card (page 30).
- Groups: contact categories (e.g. shared ringtone). A contact can belong only to one group (page 29).
- Distribution lists: shortcuts for communication with more than one contact (e.g. sending SMS). Contacts may belong to several distribution lists (page 31).

Accessing Contacts

In standby screen, press  and select **Contacts**.

For fast access, contacts are organised on 4 tabs. Press  to switch between tabs.


Groups	All groups.
SIM contacts	Contacts saved on the SIM card.
Filter: Voice dial	Apply different filter criteria to all contacts.

All contacts


All contacts (including SIM contacts) are displayed in alphabetical order. Distribution lists are displayed additionally.

Adding a new contact

Opening a contact entry

- In the **All contacts** tab: select **<New entry>**.
- In standby screen:
 1. Enter a number.
 2. Press  (Options) and select **Save**.
 3. Select **To new contact**.
 4. Select a phone type.



Filling contact information

The input fields are organised on 4 tabs: **General info**, **Private**, **Business**, **Personal**. Press  (Options) and select **Switch tab...** to swap between them.

Assigning media files



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


All contacts	All contacts (including SIM contacts) and distribution lists.
---------------------	---

Press  to select a 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 57).

Saving a contact

1. Press  (Options) and select **Save contact**.
2. Press  to confirm save notification.

For additional options for editing a contact, press  (Options).

Adding numbers with wildcards

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


Press  (Options) and select **Insert wildcard**.



Or

Press and hold  to insert "?".

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

Calling a number containing a wildcard "?"

1. Select the number from contacts.
2. Press .
3. Enter numbers to replace "?".

4. Press  or . 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, Friends, Office, VIP**.

Adding a new group

You can add personal groups.


1. Select **New group** and enter the name of a new group.
2. Press  (Options) and select **Save**.

Adding members


1. Press  to select a group. The number of entries is displayed in the second line when highlighted.
2. Press  (Options) and select **Add new member**. A list of all contacts that are not already in the group is displayed.
3. Select new members and confirm with .

- Press  (Add) to confirm selection.

Viewing members in a group

Select a group and press .


Editing a group

- Press  (Options) and select **Edit**.
- Rename the group and attach an audio ringtone and a picture.




SIM contacts

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

Adding a new SIM contact

- Select **<New entry>** and fill in the fields.
- Press  (Options) and select **Save contact**.

Moving a SIM contact to phone



- Press  to select a SIM contact.
- Press  (Options) and select **Edit**.
- Press  (Options) and select **Add more fields**. The SIM contact is converted to a regular contact saved on phone memory.

Filter

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

Press  (Options) and select **Filter**.


The following filter criteria are available:

Press  to select criterion and confirm with .

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

Options menu for Contacts

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.


Press  (Options).

You cannot convert protected SIM contacts.

Distribution lists	
New distr. list	Enter name. You can rename the distribution list and attach a ringtone and a picture using the Edit option.
Add to distr. list	Add contact/distribution list/group to a new or existing distribution list. If SIM contact selected, confirm to move contact to phone memory.
Add new member	Open contact list. Select contacts and add them to the selected distribution list.
Groups	
New group	Enter name.
Add to group	Add contact(s) to new or existing group. If SIM contact selected, confirm to move contact to phone memory.
SIM contacts	
Add more fields	Convert SIM contact to a regular contact saved on phone memory. (not for protected SIM contacts).
Special numbers	Your provider may supply you with special numbers. Select classes you want to show/hide (Network support dependent).
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	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	
Play ringtone/ Play video/ View picture	Start playback of current ringtone/video/ View picture.
Replace ringtone/ Replace video/Replace picture	Select new ringtone/video/picture.
Remove ringtone/ Remove video/ Remove picture	Confirm to delete current ringtone/video/picture from contacts.
General options	
Open web site	If contact information contains URL, start the browser and load URL.
Send contact	Contacts are sent/received as a vCard via <i>Bluetooth</i> technology, MMS, or e-mail.
Set as vid. allow'd/ Undo vid.allow'd	Set a number as default for video call dialling. When you select Video call to call contact, this number will be dialled as default. (Not available for SIM contacts.)


Save options	Depending on save location, select Copy to SIM/Move to SIM: Only SIM information is saved while copying/moving contact from phone to SIM. Copy to phone/Move to phone. Protected SIM contacts, special numbers and the business card cannot be copied or moved to another save location.
Save location	Select SIM card/Phone mem. as default save location.
Duplicate	Add new contact with duplicate information.
Find	Contacts search: Enter text/number and confirm with  . Filter contacts: Display contacts and distribution lists according to the selected filter.
Synchronise	Initiate synchronisation of contacts.
For standard functions see page 17.	


Fast contact search

In the contact list, pressing number keys opens a fast search window.

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

Dialling a contact

1. Scroll to a contact in Contacts list.
2. Press : Make a voice call to the displayed (default) number.

If several numbers are stored under the contact, you can press  to view all numbers and select one to call.




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 can associate one voice tag to each number of a contact.


Recording a voice tag

Record the voice tag in a quiet environment.

1. Open the **All contacts** tab.
2. Select a contact.
3. Press  (Options) and select **Edit**.
4. Select a number input field.
5. Press  (Options) and select **Record voice tag**.
6. Press  (Start) to start recording.


7. Speak the name. Repeat the name after playback.

Using Voice-activated dialling


In standby screen press and hold .
Speak the name after the signal tone.

Call records

(Network support dependent)

In standby screen press  and select **Call records**.


Or

Press .



The different call information is listed on 5 tabs:

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

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

Press  (Options) for options for call records.

Redial number

1. Select a records tab (e.g. **Missed calls**).
2. Select entry.
3. Press  or : make a call to the number.

Duration/charges

(Network support dependent)

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

These call types are displayed: **Last call/Outgoing calls/Incoming calls**

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.

Reset all incoming/outgoing calls lists


Press  (Reset) to reset the current list.

Charge settings

Select **Settings**.

<EMPHASIS>Currency

(PIN2 protected)


1. Enter currency code (up to 3 characters).
2. Press  (Options) and select **Save**.

Personal Rate

(PIN2 protected)

1. Enter per minute rate.

2. Press  (Save).

To enter ". " press .

Display costs

Activate/deactivate cost display.

Account limit info

(PIN2 protected)

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



- **Account limit**
Activate/deactivate account limit.
- **Enter max. units**
Enter maximum units for the account.
- **Reset remaining**
Confirm notification to reset account limit.

Entertainment

Media player

Entertainment > Media player

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

- Press  to select tab.
- Press  for more options when a file is selected in a tab. Depending on the file type, different options will be offered.

The media player contains files stored on the phone memory as well as on the microSD card.

- You cannot pause an audio/video live stream.
- Incoming calls, alarms and events stop streaming.
- Your phone does not support playback of a flash file taking more than 1MB of your phone memory; you will be prompted by the warning of **Low memory, recording stopped**, and the playback will be stopped to protect your phone.

Music

The music tab includes MP3 and AAC files. For fast access, the tracks are sorted by the following categories:



Playback/Pause.




Press: skip to previous/next track.

Press and hold: Rewind/fast forward within the current track.



End playback.

Create new playlist


1. Select **Playlists**.
2. Select **<New playlist>**.
3. Enter the playlist name.
4. Press  (**Options**) and select **Save**.

You can add/remove files and change the order within the playlist via the options menu (see My stuff, page 57).

Pictures

All files are listed with file name and size.

Display picture

Select the desired picture and press  to display it.

The following functions can be applied to a displayed picture:




Switch to full screen mode and normal view.



Skip to previous/next picture.

Videos

Select the desired video and press  to start playback.

The media player offers the following functions for video playback:



Playback/Pause.



Press and hold: Rewind/Fast forward.




Switch full screen mode and normal view.

Bookmarks

Play music/video directly from bookmarks.

The Bookmarks tab shows a listing of all streaming content links. Each URL

must correspond to a single online audio/video file. These bookmarks are not listed as browser bookmarks.

Select the desired bookmark and press  to start playback of music/video directly from the bookmark (live stream).

Camera

Entertainment > Camera

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


- Send picture/video via MMS, e-mail or *Bluetooth* technology.
- Save pictures/videos on the phone or on the microSD card.

Starting the camera

Picture mode

In standby screen press  and select Entertainment > Camera > Picture mode.

Video mode

In standby screen press  and select Entertainment > Camera > Video mode.

Displayed information

Current picture/video settings

The following symbols are displayed:



Current brightness setting.



Current zoom level.





Self timer (when activated).

Active self timer is indicated only in picture mode.



Remaining memory

The following memory information is displayed:

- Memory location: Pictures/videos can be saved either on the phone  or on the microSD card . To change save location see page 38.
- Remaining memory: Picture count/available record time on the current memory location. The remaining memory depends mainly on the selected resolution and the motif.


Taking pictures/videos


Settings prior to taking pictures/recording videos

- Press : Decrease/increase brightness.
- Press : Zoom in/out.

For further settings see options menu.





Taking pictures

1. Start the camera in picture mode.
2. Press .

To take a self-portrait, press  (Options) and select **Switch camera**, and use the internal camera lens as view finder.

Recording videos




You can record up to 5 minutes.

1. Start the camera in video mode.
2. Press : Start recording.
3. Press  or  (Pause/Resume): Control recording.
4. Press  (Stop): End recording.


Reviewing pictures/videos

Start video playback

Press  (Options) and select <DISPLAY>Play video.

- Press : Playback/pause.
- Press and hold : Rewind/Fast forward.
- Press  (Stop): Stop playback.


Save pictures/videos

Press  to confirm save notification.


The picture/video is displayed.

The picture/video is saved with a name in **Entertainment > Media player > Pictures/Videos** (page 34) or in **My stuff > Pictures/Videos** (page 57).

Return to view finder


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

Delete pictures/videos

Press  (Discard): Delete picture/video and open view finder.

Camera options

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

Press  (Options).

New picture/ New video	Open view finder to take another picture/record another video.
Play video	Play recorded video.
View pictures/ View videos	Open corresponding Media player tab to view pictures/videos (page 57).
Picture mode/ Video mode	Switch between picture and video mode.
Switch camera	Switch between the external/internal camera.
Message mode	Message mode is optimised for sending video via MMS/ <i>Bluetooth</i> technology. Record time: 30 seconds. Low resolution. Message mode is activated automatically if video mode is started from MMS application.

Self timer	Picture is taken approx. 10 seconds after triggering. For the last 3 seconds, you will hear a signal tone each second.
Audio record	Turn microphone on/off for video mode.
Picture settings/ Video settings	Open settings (see below).
For standard functions see page 17.	

Picture settings/Video settings

<EMPHASIS>Resolution front

Set the quality of the picture/video captured by the internal camera, regardless of the preview image resolution.

<EMPHASIS>Resolution back

Set the quality of the picture/video captured by the external camera, regardless of the preview image resolution.

<EMPHASIS>Default name

Enter default file name.

<EMPHASIS>Save location

Select default save location: Phone memory/microSD card.

<EMPHASIS>Frame rate (only for video settings)

Set how many frames per second the video should capture: Low/High.

<EMPHASIS>White balance

Select: Auto/Indoor/Outdoor.

<EMPHASIS>Flicker adjustment

Adjust the sensibility to indoor lightening flicker rates: Off/50 Hz/60 Hz.

Create message

Messages > Create message

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

SMS/MMS

About SMS

You can transmit and receive long messages on your phone.

The phone will automatically convert long SMS messages that you send to MMS after your confirmation. Long SMS messages you send are automatically divided into concatenated SMS messages.




About MMS

The Multimedia Message Service (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".

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

Writing/sending an SMS


Messages > Create message > SMS

1. Enter text/add items (see SMS options).
2. Press  and select **Add recipient**.
3. Select a contact from Contacts list (**From Contacts**) or enter a number manually.
4. Press  or press  and select **Send**.

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.

SMS options

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

Press  (Options).

Add item **Picture/Video/ Sound/ Flash:** Select file from the corresponding **My stuff** folder (page 57)




If you try to add items that cannot be sent via SMS, the message is converted to MMS after confirmation.

Send options Set **Status report/ Validity period/ SMS type/Send with** (Message centre number) for current SMS. (page 44)

Further functions, see page 40.

Writing/sending an MMS


Messages > Create message > <DISPLAY>MMS

1. Enter text/add items (see MMS options).
2. Press  and select **Add recipient**.
3. Select a contact from Contacts list (**From Contacts**) or enter a number/e-mail address manually.
4. Press  or press  and select **Send**.

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.

Press  (Options).

Add item	<ul style="list-style-type: none"> • Picture/Video/ Sound: Select any file from the corresponding My stuff folder (page 57) and add to a new slide. • Flash: Select a flash file from the corresponding My stuff folder (page 57) and add as an attachment (You cannot attach more than one flash per MMS). • Text: Enter text to a new slide. • Contact: Select a contact and add as vCard. (You cannot attach more than one vCard per MMS).
Add subject	<ul style="list-style-type: none"> • Enter subject.
Preview MMS	<ul style="list-style-type: none"> • Start preview mode (see below).
Send options	<ul style="list-style-type: none"> • Set Read report, Delivery report, Validity period, Priority and Delivery time for current MMS (see also MMS settings, page 45).
Further functions, see below.	


Preview MMS

If you start **Preview MMS** you can change the presentation of the message.

Press  (**Options**) for more options.

SMS/MMS options

Depending on the current situation, different functions will be offered for both SMS and MMS.

Press  (**Options**).

Add recipient	<ul style="list-style-type: none"> • From Contacts: Select a contact from Contacts list. • Enter number:/Enter email addr: Specify the number/email address of the recipient.
Create item	<ul style="list-style-type: none"> • Take picture/Record video: Take a photo/record a video (page 36) to add to the message. • Record sound: Make a sound recording (page 53) to add to the message.
Insert text	<ul style="list-style-type: none"> • Template (page 22). • Contact details: open contact and select contact information.
Save as	<ul style="list-style-type: none"> • Draft: Save message in draft folder. • Template: Save message as text/MMS template.

Remove picture/ Remove video/ Remove sound/ Remove flash/ Remove contact/ Remove text/ Remove recipient	Remove picture/video/ sound/flash/contact/ text/recipient from message.
---	--




For standard functions see page 17.

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 47).


Writing/sending e-mails

Messages > Create message > E-mail

1. Enter text/add items (see E-mail options).
2. Press  (Options) and select **Add recipient** (see E-mail options).
3. Select a contact from Contacts list (From Contacts) or enter e-mail address (Enter e-mail addr.) manually.
4. Press  or press  and select **Send**.

E-mail options

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

Press  (Options).

Add recipient	<ul style="list-style-type: none"> • From Contacts: Select a contact from Contacts list. • Enter e-mail addr.: Enter e-mail address manually. T9 is not available.
----------------------	--

Edit recipient	<ul style="list-style-type: none"> • Edit entered address.
-----------------------	---

Attach item	<ul style="list-style-type: none"> • From My stuff: Select any file from the My stuff folder. • From Contacts: Select contact and add as vCard.
--------------------	---

Add Cc	<ul style="list-style-type: none"> • Add contact(s) of copy recipient(s).
---------------	--

Add Bcc	<ul style="list-style-type: none"> • Add contact(s) of copy recipient(s). Bcc recipients are not visible for other recipients.
----------------	---

Remove item/ Remove recipient	<ul style="list-style-type: none"> • Remove highlighted attachment/recipient.
--	--

Save as draft	<ul style="list-style-type: none"> • Save e-mail in draft folder.
----------------------	--

Add signature	Add signature at the current cursor position.
----------------------	---

Send options	Set Req. deliv. receipt: , Request read receipt: , Priority: for current e-mail (see E-mail settings, page 47).
---------------------	--

For standard functions see page 17.

Inbox



Messages > Inbox

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

When new messages are received, a notification is displayed.

SMS

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

Press  (View) or  to read new message.

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.

You can change MMS settings to download new MMS immediately without request.

Cell Broadcast Service

Some service providers offer Cell Broadcast Services (CB), supplying you with messages on the activated topics.

When the function is activated, CB messages are received automatically. Depending on the current setting, CB

messages are displayed in standby screen or stored in Inbox.

E-mail

E-mails are not received automatically. Before an e-mail can be read, it must be retrieved from the server (page 43).


WAP push

WAP push messages are provided by special service centres. Depending on the current setting (page 50), WAP push messages are received/rejected automatically or you are prompted to accept/reject when WAP push is received.

Inbox structure


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

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

Make a call to the sender: Select SMS, MMS or e-mail and press .

Reading SMS, MMS, CB

All new messages are listed in chronological order.

Select a message and press .

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

Use these keys while reading a message.

Only MMS:




Navigate within a slide.



Switch to next/previous slide.



Play media file.

For options available while reading a message, press  (Options).

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

Reading E-mail

If more than one account is configured, the list of accounts is displayed.

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

The listed files and the options menu vary depending on the receive server type 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.

If you configure so, the e-mails which are deleted on the phone will not be deleted on the server until next e-mail retrieving.

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. E-mails are retrieved only from the subscribed folders.

If you delete e-mails on the phone, they will be deleted on the server after next e-mail retrieving.

For options available while reading an e-mail, press  (Options).

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

For details on E-mail settings, see page 47.

You can set the max. size of downloaded e-mails (page 47).

Retrieve e-mail

Depending on the download mode, 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.

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.

1. Press  to select folder(s) and confirm with  to subscribe / unsubscribe to folders.
2. Press  (Options) and select **Subscr. to marked.**

WAP push

The following messages are displayed:

- Service Indication (SI)
- Service Loading (SL)
- Audio, video, image, text

Service Indication message

An SI push message gives you the option of connecting directly to a particular URL via the phone's browser.

Service Loading message

Depending on your setting (page 50), accepting an SL push message will start the browser to download Web content (e.g. images, applications) to the phone.

Message with audio/video/image content

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

Message lists

Messages are displayed the same as in the Inbox. The most recently edited/sent message is displayed at the top of the list.

Drafts

Messages > Drafts

The list is organised on two tabs: **Drafts - SMS/MMS** and **Drafts - E-mail**.

You can save a message as a draft while creating it.

Outbox

Messages > Outbox

The list contains all messages you failed to send and is organised on two tabs: **<DISPLAY>Outbox SMS/MMS** and **<DISPLAY>Outbox - E-mail**.

Sent

Messages > Sent

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

Message settings

Configure SMS, MMS, e-mails, cell broadcast (CB) and voice mail.

SMS settings


Messages > Msg settings > SMS

SMS Profiles

The SMS parameters are configured in up to 10 different profiles.

The first 5 profiles are saved on the SIM card, the last 5 profiles are saved on the phone memory. When replacing the SIM card, the profiles saved on the phone are not changed.


Setting default profile

If profile is already configured: Select profile and press  to set profile as default.

Edit profile

1. Select profile.
2. Press  (Options) and select Edit.

Reset profile

Press  (Options) and select Reset profile.

If your provider has locked a predefined profile, it cannot be reset.

Auto header

If the function is activated the Header template (page 22) is automatically inserted at the start of any created SMS.

Auto signature

If the function is activated, the Signature template (page 22) is automatically inserted at the end of any created SMS.

Save sent items

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

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.

Emoticons

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

Text size

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


MMS settings

Messages > Msg settings > MMS

MMS profiles

The MMS parameters are configured in up to 5 different profiles. You will receive the necessary data from your service provider.

Setting default profile

If profile is already configured: Select profile and press  to set profile as default.

Edit profile

1. Select profile.
2. Press  (Options) and select **Edit**.

Reset profile

Press  (Options) and select **Reset profile**.

If your provider has locked a predefined profile, it cannot be reset.

Home retrieval/Roaming retrieval.

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

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	When an MMS notification is received, only the notification is displayed.

Req. read report

If the function is activated, request the recipient to send back read report.

Req. deliv report

If the function is activated, request the recipient to send back delivery report.

Delivery time

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

Validity period

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

Hide number

The recipient will not see your phone number.

Anon. messages

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

Allow read rept

(Network support dependent.)

If the function is activated, allow the server to send read reports to the sender.

If set to **Yes** confirm the charge notification.

Allow deliv rept

If the function is activated, allow the server to send delivery reports to the sender.

If set to **Yes** confirm the charge notification.

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 an error message is displayed.

Auto signature

See SMS settings on page 44.

Save sent items

See SMS settings page 45.

Allow adverts

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

Emoticons

See SMS settings on page 44.

Text size

See SMS settings on page 44.

Max msg size

The size restriction affects downloaded and created MMS messages.


E-mail settings

Messages > Msg settings > E-mail

Before using e-mail service you must set the server access and your e-mail parameters. You may receive the necessary data from the service provider.

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

Activating an account

If an account is already configured: Select the account and press  to activate.

Deleting an account

Press  (Options) and select **Delete**.

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

Edit the account according to the information from your provider.

Press  (Options) and select **Edit**.

<EMPHASIS>User info

Setup your e-mail address (for example, name@domain.abc) and login information for the e-mail server.

<EMPHASIS>Connection info

You can configure accounts with two different receive server types: POP3

and IMAP4. The configured accounts may have different server types.


<EMPHASIS>Msg preferences

Setup how messages are displayed, how they are retrieved and sent, and the notification of delivery report.

<EMPHASIS>Add signature

Select **No e-mail/New e-mail/All e-mails**.

<EMPHASIS>Create signature

Enter signature and confirm with .

CB settings

Messages > Msg settings >
Cell broadcast


Receive broadcasts

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

Cell info display

Select whether or not the local cell information should be displayed in standby screen.

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. Press  (Options) for more options.

Voicemail

(Network support dependent.)

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

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.

Voicemail settings

Messages > Msg settings > Voicemail


Voicemail no.:

Enter your voicemail number.

Notification

Activate and deactivate display of a message notifying of new voice mail entries.

Listening to voicemails

In standby screen press and hold .

Or

Messages > Voicemail.

Internet

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 may be specified/pre-assigned by the service provider.

Home Page


Start the browser and display the predefined Home Page.

Enter URL

Internet > Enter URL

1. Enter URL.
2. Press  or press  (Options) and select **Go** to start the browser and display the entered Internet site.


Changing the prefix

1. Press  (Options) and select **Prefix**.
2. Select a prefix or select **Custom** and enter prefix.

Bookmarks

Internet > Bookmarks



Display the list of bookmarks stored in the phone.

Select the bookmark and confirm with  to call up URL.

History

Internet > History

Display the list of most recently visited Internet domains and pages.

1. Press : select the history entry.
2. Press : call up the URL.

Settings

Internet > Settings

Multimedia

Choose whether or not to show/play images/sounds or download objects embedded on the Internet pages.

Look and feel

Setup the font size (**Font size**), the way to navigate within the Internet page (**Scroll step**), and the maximum wait-time for the web response (**Connection timeout**).

Security

Secure prompt	Display a security request when leaving a page with secure connection to enter a page that is non-secure.
ID cache	Set whether or not the browser should store your user ID and password.
Cookies	Enable/Disable cookies.
Link referral	Allow/Do not allow the current page to see previous URL.

Press  (Options) and select **Save**.


Certificates

Display the list of stored certificates.

Current

Display the current certificate information.

Certificates list

Press  to display the selected certificate information.

WAP push

You can accept or reject SL (Service Loading) push messages from trusted and untrusted sources.



Press  (Options) and select **Save**.

Browser profiles

You can choose one of 5 browser profiles.

The current browser profile is marked.

Activate profile

Press  to select a profile and confirm with .


Edit profile

Press  (Options) and select **Edit**.

Internet profile/ Connection profile	Select profile (page 63).
Start page	Set current URL as startpage for the profile.

Press  (Options) and select **Save**.

Reset profile

Press  (Options) and select **Reset profile**.


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

Navigation in the browser



Select a link.



 (Back) Press to go back a page.



One input field/link forward/back.


Scroll one line.



Tab through active content (links on page).

Ending a connection

Press  and then

 (<DISPLAY>Yes) to end the connection and close the browser.

Profile name	Enter profile name.
---------------------	---------------------

Your Internet browser is under license of:



OPENWAVE™



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.

- 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). However, when Animation mode is set on, some of the display settings, e.g. Wallpaper or Logo, will be deactivated.
- Downloaded content is listed in the corresponding folder in **My stuff** (page 57). You can select to save downloaded Java applications in the **Appls.** (applications) or **Games** folder.


Java Application Manager

Accessible via **My stuff > Appls./Games.**

Java Application Manager (JAM) displays the list of Java applications/games/MIDlet suites currently available on the phone and helps manage those applications.

Press  to select the desired application.

Depending on the application selected, different options are available.

Press  (Options).

Games

Games

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

Some games are already pre-installed on your phone.

Organiser


Calendar

Organiser > Calendar

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

AM/PM or 24h display depends on your clock settings (page 67).

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

Press  (Options) and select **Daily view/Weekly view/<DISPLAY>Monthly view** to switch to different views, or for more options.

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 53).

A contact's birthday is displayed with subject "Birthday" in a single hour slot at the day start time (page 52). If a birthday event is highlighted, press  to open the contact.

To set a contact's birthday, see page 28.

Weekly view

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



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



Forward/back two hours through the day.



Display daily view for highlighted day.

Monthly view

Week numbers are displayed in the first column. The first 2 upcoming or current 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.

Calendar Settings

Press  (Options) and select Settings.

<EMPHASIS>Default repeat:

Set the default repeat time frame for newly created events.

<EMPHASIS>Default alarm mode:

Set the default alarm time span for newly created events.

To set the ringtone see page 59.

<EMPHASIS>Day start time:

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


<EMPHASIS>Week start day:




Set the start day displayed in the weekly/monthly view.

New event/Edit event

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


Press  (Options) and select **New event/Edit event**.

Press  (Options) and select **Save** to save the 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 .
- If the time format **12-hour** is activated (page 67) press  /  to switch between <DISPLAY>am/ <DISPLAY>pm for start and end time.

Information on the alarm

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





When the alarm occurs, follow the on-screen commands and press corresponding keys. Or press  to launch the calendar and display the event.

An alarm sounds even when the phone is switched off (except the phone is switched off in alarms off mode, page 15).

Voice memo**Organiser > Voice memo**

Use the function to record short memos.



New recording

1. Select **Record new**. Select a save location for recording.
2. Press  or  (Record): Start recording.
3. Press : Pause/record.
4. Press  (Done): End recording.



The recording is saved in the **Sounds** folder in **My stuff** (page 57).

An incoming call ends recording. The record is saved automatically.

Playback

1. Select recording.
2. Press : Playback/pause.
3. Press  (Stop): Stop playback.

Set as call ringtone




1. Select recording.
2. Press  (Options) and select **Set as**.
3. Confirm with  (Yes).

Time zones**Organiser > Time zones**

The world clock shows the current system time, the time zone (colour

vertical bar on the map), the time zone name and the time in the selected city.

The time zone display can be changed:

1. Press : Select the time zone in the world map.
2. Press : Select a city in the selected time zone.
3. : Set time zone to the selected city.

If you changed the time zone:
The alarm clock is not affected.
Calendar events are updated to the current time zone.

Synchronisation

Organiser > Synchronisation

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.

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 you accept/establish a call during synchronisation, the synchronisation might be stopped depending on your network.

Active profile


Select profile you want to use for synchronisation and press .

Edit profile

Press  (Options) and select **Edit**.

For details on settings, please contact your service provider.

Restore defaults

Press  (Options) and select **Restore defaults**.



Sync mode

Date 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.

Two-way: Data is transferred in both directions between the phone and the server.
Mob.overwrit.: phone transfers data to the server.
Serv.overwrit.: server transfers data to the phone.

Apps to synchronise

1. Press  to check/uncheck the data type to sync: **Contacts**, **Calendar**.
2. Press  (Done) 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.

Extras

SIM toolkit (optional)

(Network support dependent)

Extras > SIM toolkit

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


For further information, please contact your service provider.

My menu


Extras > My menu

Create your own menu with frequently used functions, phone numbers from the contact list or applications.

Using My menu




Select an entry and press  to activate the function.

Or

If the selected entry is a phone number, Press  to call it.

Change My menu

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

1. Select an entry.
2. Press  (Change) to open the function list.
3. Select a function to assign to the entry and press  or  (Select) 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's phone number.

Alarm clock



Extras > Alarm clock


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

Set alarm

1. Select a day of the week and press .
2. Enter time.
3. Press  or  (Save) to activate alarm.


If the time format **12-hour** is activated

(page 67) press  /  to switch between **am/pm**.

 is displayed in standby screen when alarm is turned on.

Apply Alarm to every day


Apply the highlighted alarm time to every day of the week.

Press  (Options) and select **Apply to every day**.


End alarm

The alarm will ring at the set time, even when the ringtone or the phone is switched off (except the phone is switched off in alarms off mode, page 15).

If the phone is switched on by the alarm, it won't switch off again if you end the alarm.

To end the alarm, press  (Options) and select **Turn off**.

Reset alarm

Press  (Snooze): Stop the alarm tone, and reset it for 10 minutes.

The original time of the alarm is not changed.

End alarm




Press  (Off): End alarm.

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


Calculator

Extras > Calculator

The calculator can be used in a basic version and with an advanced range of functions.

- Number keys: Enter digit(s).
-  / : Navigate to functions.
- : Select function.

The result is calculated and displayed immediately.





Press  (Options) to switch between **Basic Mode** and **Extended Mode** to get different functions.


Unit converter

<DISPLAY>Extras > <DISPLAY>Unit Converter

You can convert various amounts into other units.




Converting the units/currency

1. Press  to select the desired measure type: length, temperature, currency, etc.
2. Press  to switch to the input field.
3. Enter the quantity to be converted.
4. Press  to switch to the selection field.
5. Press  to select the source unit/currency.

6. Press  to select the target unit/currency. The result is displayed below.

Currency settings

When you call up the function, you must enter both source and target currencies as well as their exchange rate.

1. Enter source currency in the input field.
2. Press  (Save) and select **Save**.
3. Scroll to the target currency field.
4. Press  (Options) and select **Add currency**.
5. Enter target currency and exchange rate.
6. Press  (Save) and select **Save**.

Sound recorder



Extras > Sound recorder


Same function as **Organiser > Voice memo** (page 53).

Stopwatch

Extras > Stopwatch

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

- Press : Start/Stop/Restart.
- Press  (Lap): Save lap time. A lap is counted as the time between 0 second to key presses.

- Press  (Reset): Reset time to zero when the stopwatch stops.

My stuff

Select **My stuff**.


You can use **My stuff** to organise your files in folders.

If the microSD card is inserted, folders/files stored on it are organised on a separate tab. Files are managed the same way as files saved on the phone.



Select tab (phone memory/microSD card). List of folders/files is displayed.



Select folder/file or link and confirm with .

Depending on your selection, the file and respective application are opened, or download is started.

Remember that pictures, sounds or applications may be protected (DRM, page 16).

Folder structure

Files are organised in folders. Predefined folders have already been created for different data types and cannot be changed.

The content of the fixed folders is filtered. The folders contain special media types. 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.

To organise folders, press

 (Options).

Folder	Content	Formats (e.g.)
Sounds	MP3 tracks, ringtones, recordings.	mp3, aac+, m3u, mid, amr, wav
Pictures	Pictures.	bmp, jpg, jpeg, png, gif
Videos	Videos.	3gp, H263, MPEG4
Themes	Load theme (packed) Theme configuration (unpacked). Select theme to activate it.	*
Appls.	Launch Java Application Manager and display list of saved applications.	*

Games	Launch Java Application Manager and display list of saved games.	jar, jad
Misc.	Files of media types that are not included in other folders, e.g. text modules, Internet pages. If you try to open a file of unknown type an error message is displayed.	e.g. html, wml
Flashes	Flash files.	swf, svg


Press  (Options) for options for organising folders.

- Depending on your provider the structure, content and functionality may differ.
- Your phone does not support playback of a flash file taking more than 1MB of your phone memory; you will be prompted by the warning of <DISPLAY>Low memory, recording stopped, and the playback will be stopped to protect your phone.


License manager


Display alphabetical list of all rights associated with files stored on the phone or the microSD card.

Scroll to a desired file, press

 (Options) and select **License manager**.

If the selected file has no license:

1. Press  (Yes) to start License manager anyway.
2. Select license.

Press  (Options).

View license	Display license details.
Renew license	Open browser to URL of license server. Purchase new rights.
License search	Enter rights name to search for license.
Go to content/ Downld content	Go to associated content file for specified license in according folder. If chosen content is not found on the phone or the microSD card, you have to download content first. Load URL of content server.
Delete license	Remove license from phone. Confirm notification.

Settings

Profiles


Settings > 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. You can set and rename 2 personal profiles (**User profile 1** and **User profile 2**).

To activate the selected profile, press



To edit a default profile or create a new personal file, press  (Options) and select **Change settings**.

Headset

The special profile **Headset** is automatically set when an original headset is attached.

Ringtones

Settings > Ringtones

In **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.

In other options, set the melodies and tones for different functions separately.

Themes

Settings > 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 and animation.
- wallpaper.

In addition to the automatic exchange of theme parameters (e.g. switch on/off melody), you will have to manually set parameters 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.

Display

Settings > Display

Wallpaper

Background image used on either display in standby screen. You can set a wallpaper for each display separately.

Logo

Graphic to be displayed instead of the provider logo.




Animation mode

A default Flash file to replace the wallpaper.

When Animation mode is set on, some of the display settings, e.g. Wallpaper or Logo, will be deactivated.

Screensaver




The screensaver is displayed when a specified time period has elapsed. An incoming call or pressing any key will end the function.


- Press  to scroll to different fields.
- Press  to scroll to options in a field.
- Press  (Options) and select (Save) to save the screensaver.

Warning!

When the screensaver is manually set, talk/standby time is reduced dramatically.

Auto key lock

- Press  to scroll to **Auto key lock**.
- Press  and select **On** to activate **Auto key lock** function. When the specified time period has elapsed, the screensaver is activated automatically, and so is the keypad. To unlock the keypad, press .

- The **Auto key lock** option is available only when the **Screensaver** function is activated.
- If the backlight time duration you set is shorter than the screensaver duration, the backlight for the display will be switched off and the keypad will be locked automatically once the backlight time elapses. To set up the backlight duration, refer to **Settings > Display > Backlight time**.
- The keypad can also be locked and unlocked directly in standby screen by pressing .


Greeting message

Create a message to be displayed when the phone is switched on.

Backlight time

Set the backlight duration for the display.

Brightness

Press  to set the brightness level for the display.

Decreasing the brightness of the display extends the operating time of your phone.

Power save

Activate/deactivate power save mode. The standby time before the display goes into power save mode is fixed.

Vibration

Settings > 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).

Connectivity

Settings > Connectivity

Bluetooth[®] technology

Bluetooth technology 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.

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

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Bluetooth technology active

Activate/deactivate *Bluetooth* technology. *Bluetooth* technology reduces the phone's standby time if it is activated.

 is displayed when *Bluetooth* technology is activated.

File location

Select where the files are to be stored after being transferred via *Bluetooth* technology.

Search

Search for specific categories of devices or for all *Bluetooth* devices.

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).

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.

On/Off	Activate/deactivate visibility.
Auto	Set visibility for 5 minutes, then visibility is disabled automatically.

Bluetooth device options

Depending on the current list (**Search**, **Known devices** or **Last connected**), different functions will be offered.

1. Press  to select a device from list.
2. Press  (**Options**).

Trust/ Do not trust	<p>Trust: Enter your password both on the phone and on the device to trust the device, so that <i>Bluetooth</i> connection can be established. If you are pairing with an audio device, enter the password predefined for the device.</p> <p>Do not trust: Remove trust option of device. Trusted devices are added to the known list automatically and do not require the password to connect.</p>
Connect/ Disconnect	<p>Establish/end <i>Bluetooth</i> connection to a known audio device. Only one audio device may be connected at a time.</p>

View details	Display the device details: Name: , Device type: , Address: and/or Service: (not available if no Service Class of the device can be searched).
Add to known list	Add the device to the known list.
New search	Start a new search.


Data counter

Display the data transfer information.

Connect profiles

(Network support dependent)

Depending on your provider up to 25 profiles may be preset containing a collection of settings utilised by applications.


Press  (Options) and select **Edit** to edit the selected profile. For more information on settings, please contact your service provider.

Your provider will supply you with your login and password.

Internet profiles

(Network support dependent)

Depending on your provider up to 25 profiles are preset containing a collection of settings utilised by applications, such as Internet (WAP browser) and MMS.

Press  (Options) and select **Edit** to edit the selected profile. For more

information on settings, please contact your service provider.

Your provider will supply you with your login and password.

Linger time

(Network support dependent)



Depending on your provider you may be able to specify the linger time which will apply to all applications.

Shortcuts

Settings > Shortcuts


You can assign one important number/function to each soft key, the navigation key (up, down, left, right) and the number keys 2 to 9. These keys can then be used as shortcuts to start functions/dial numbers (speed-dial numbers).

Setting a function shortcut

1. Select the desired key and confirm with .
2. Select shortcut function and confirm .

Setting a speed-dial key

To assign a number to a key, select <DISPLAY>Speed dial and then select the desired contact.

 is predefined as the speed dial key for the voicemail number. You cannot change its function.

If no function is assigned, you can set a function if you

- press and hold the number key in standby screen and confirm request.
- press the soft key and navigation key briefly.

Start function/call number using shortcuts

- Press the corresponding soft key and navigation key briefly to start the function.
- Press and hold a corresponding number key to start the function/dial number.

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 soft key may sometimes be replaced automatically by **View** to access a new message for example.

Call setup

Settings > Call setup

Hide ID

(Network support dependent)

When you make a call, your number can be shown on the display of the called party or suppressed.

The setting applies to voice and video calls.

Call waiting

(Network support dependent)

If you are registered for this service, set call waiting.



You will hear the call waiting tone during a call when there is another call waiting.

Diverts


(Network support dependent)

You can specify the conditions under which the call types should be diverted to your mailbox or other numbers.

Divert voice calls/video calls


1. Select call type.
2. Press  (Options) and select **Set**.
3. Enter the number to divert to. Or Press  (Options) and select **Contact** to choose a contact's number.

Divert all calls/data/fax/messages

1. Select **Set**.
2. Enter the number to divert to. Or Press  (Options) and select **Contact** to choose a contact's number.

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

All calls

All calls are diverted ( is displayed when activated).

All conditional

A call is diverted in the following situations: **Not reachable**, **No reply**, **Busy**.

Not reachable

A call is diverted if the phone is switched off or is out of range.

No reply

A call is diverted if you don't answer it.

Busy

A call is diverted if another call is in progress.


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.

Any key answer

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

Auto redial

If a call you make is not answered, the phone will automatically redial that call.

Video calls

Specify the additional settings for video calls.



Show my video

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.

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.

1. Press  (**Change**) to change setting.
2. Select a picture from **My stuff** (page 57) folder and confirm with  (**Select**).

Display call timer

Display the call timer during a voice/video call.

Phone

Settings > Phone

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 screen): *#0000#  or .

Default input method

Set T9 (intelligent text entry) or the multi-tap (ABC) as default text entry method for most of the text entry items.

Key tones

Set the tone that is played when pressing keys.

Info tones

Activate/deactivate the service and alarm tones.

Auto power on

Set the time that the phone is switched on automatically.

Attention

When on an airplane, be sure that **Auto power on** is set to off.

Auto power off

Set the time that the phone is switched off automatically.

File system

Format card

Format the microSD card and delete all saved data.

Memory assistant

Works the same way as **My stuff** (page 57), listing all saved folders and files in phone memory and on microSD card.

Phone identity

Switch between tabs to display the phone identity number (IMEI), the software configuration or start a Device check.

The IMEI number may be useful for customer service.

Device check

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

To start the **Phone identity** feature in standby screen, press *#06#.

Master reset


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

To reset the phone in standby screen press *#9999#.



Clock

Settings > Clock

Time/Date

Enter time (hours/ minutes) or date (month/day/year) and confirm with .

If **Auto time** is activated (page 67), the network time is displayed.

If the 12-hour time format is activated in **Time format**, press  /  to switch between am/pm.

Time zone

The same function as **Organiser > Time zones** (page 53).

Time format

Set the 24-hour/12-hour format for time used in various applications.

Date format

Set the display format for date.

Show clock

Set the time and date display in standby screen.

Auto time

If you activate auto time, the time zone is switched automatically to local time by the network.

Security

Settings > Security

Only protect. SIM

(PIN2 or phone code protected)

Dialling options are restricted to the SIM protected numbers in the contacts.

PIN codes

See page 18.

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.

Barrings

(Network support dependent)

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.

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.

When roaming

You do not receive calls when you are outside your home network.

Network password

Change the network barring password obtained from the service provider.

Clear all

All barrings are deleted.

License manager

Start the License manager to view/edit license information of all saved files.

Download prompt

Enable or disable a content download notification.

Network

Settings > Network

Network info

Retrieve information about the network operator currently set.

Choose network

Start network search. This is useful if you are not in your home network or want to register in a different network.

The list of networks currently available is displayed.

Auto network

If you activate this function, the phone searches automatically for the available network. Otherwise you can select a different network manually from the network list.

GPRS auto attach

Select to allow the phone to search for GPRS signal automatically while it is in 2G mode.

Preferred network

Display a list of preferred networks. Customise the list by changing entries.

Mode selection

(Network support dependent)

Make sure that your service provider supports the selected network mode.

Fast search

If you activate this function, network reconnection is speeded up (standby time is reduced).

Accessories

Settings > Accessories

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 Profiles, page 59.

Auto answer

Voice and video calls are accepted automatically after a few seconds.

Key assignments

(only for Car kit)

You can assign new functions to keys on the car kit.

Headset

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 Profiles, page 59.

Auto answer

Voice and video calls are accepted automatically after a few seconds.

Charge via USB

The phone is charged via USB when connected to a computer via USB data cable.

Mass storage

See **Using the phone as card reader** (page 59).



GPS settings

Settings > GPS Settings

You can choose to edit settings of one of the 25 AGPS servers to better receive GPS data. For details on the AGPS server settings, contact your network operator.

Questions & Answers

If you encounter problems while using the phone, or if it performs erratically, you can consult the information in the chart below. If your particular problem cannot be resolved using the information in the chart, contact the dealer where you purchased the phone.

Problem	Possible causes	Possible solution
Poor reception	<p>The network signal is too weak at your current location, for example, in a basement or near a tall building, because wireless transmissions can not effectively reach it.</p> <p>The network is busy at the current time (for example, during peak times, there may be too much network traffic to handle additional calls).</p> <p>You are too far away from a base station for your service provider.</p>	<p>Move to a location where the network signal can be properly received.</p> <p>Avoid using the phone at such times, or try again after waiting a short time.</p> <p>You can request a service area map from your service provider.</p>
Echo or noise	<p>Poor network trunk quality on the part of your service provider.</p> <p>Poor local telephone line quality.</p>	<p>Press  and dial again. You may be switched to a better-quality network trunk or phone line.</p> <p>Press  and dial again. You may be switched to a better-quality network trunk or phone line.</p>
Battery will not charge.	<p>The battery or battery charger is damaged.</p> <p>The phone's temperature is below 0 °C (+32 °F) or higher than +45 °C (+113 °F).</p> <p>Poor contact between the battery and charger.</p>	<p>Contact the dealer.</p> <p>Adjust the battery charging environment to avoid extremes of temperature.</p> <p>Check all connectors to make sure all connections have been properly made.</p>

Problem	Possible causes	Possible solution
Shortened standby time	<p>The standby time is related to your service provider system configuration. The same phone used with different service providers' systems will not provide exactly the same length of standby time.</p> <p>The battery is depleted. In high-temperature environments, battery life will be shortened.</p> <p>If you are not able to connect to the network, the phone will continue to send out signals as it attempts to locate a base station. Doing so consumes battery power and will consequently shorten standby time.</p>	<p>If you are located in an area where signalling is weak, temporarily switch off the phone.</p> <p>Use a new battery.</p> <p>Change your location to one where the network is accessible, or temporarily turn off your phone.</p>
You cannot switch your phone on.	Battery power has been depleted.	Recharge the phone's battery.
SIM card error	<p>SIM card malfunction or damage.</p> <p>SIM card inserted improperly.</p> <p>Debris on the SIM card contacts.</p>	<p>Take the SIM card to your service provider for testing.</p> <p>Insert the SIM card properly.</p> <p>Use a soft, dry cloth to clean the SIM card contacts.</p>
Unable to connect to the network.	<p>SIM card invalid.</p> <p>You are not within the network's service area.</p> <p>Poor signal.</p>	<p>Contact your service provider.</p> <p>Check the service area with your service provider.</p> <p>Move to an open space, or if you are inside a building, move closer to a window.</p>
You cannot answer incoming calls.	You have activated call barring.	Go to Settings > Security > Barrings > All calls , and then select Clear all .

Problem	Possible causes	Possible solution
You cannot make outgoing calls.	You have activated call bar- rings. Charge limit reached.	Go to Settings > Security > Barrings > All calls , and then select Clear all . Reset limit with PIN2.
PIN Code is blocked.	You have entered an incor- rect PIN code three consecu- tive times.	Contact your service provider. If the service provider provides the SIM card's PUK code, use the PUK code to unlock the SIM card.
Unable to add contacts to the Phone.	Memory for contacts is already full.	Delete unnecessary contact information from the Phone.
Unable to select certain features.	Your service provider does not support these features, or you have not applied for serv- ices that provide these fea- tures.	Contact your service provider.

Care and maintenance

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

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

The suggestions given above apply equally to your phone, battery, charger and all accessories. If any of these parts is not

working properly, obtain fast and reliable help at our service centres.

Battery quality statement

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

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

Display quality statement

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.

Specific Absorption Rate Data

The model wireless phone meets the government's requirements for exposure to radio waves.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government and by the Canadian regulatory authorities. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age or health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC and by the Canadian regulatory authorities is 1.6 W/kg^1 . Tests for SAR are conducted using standard operating positions accepted by the FCC and by Industry Canada with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station, the lower the power output.

Before a phone model is available for sale to the public in the U.S. and Canada, it must be tested and certified to the FCC and Industry Canada that it does not exceed the limit established by each government for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) reported to the FCC and available for review by Industry Canada. The highest SAR value for this model phone when tested for use at the ear is 1.23 W/kg , and when worn on the body, as

described in this user guide, is 0.58 W/kg. (Body-worn measurements differ among phone models, depending upon available accessories and regulatory requirements).²

While there may be differences between the SAR levels of various phones and at various positions, they all meet the governmental requirements for safe exposure. Please note that improvements to this product model could cause differences in the SAR value for later products; in all cases, products are designed to be within the guidelines.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications & Internet Association (CTIA) Web site:

<http://www.phonefacts.net>

or the Canadian Wireless Telecommunications Association (CWTA) Web site:

<http://www.cwta.ca>

1. In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.
2. The SAR information includes the Motorola testing protocol, assessment procedure, and measurement uncertainty range for this product.