

## SL450HX

Detailed information on the telephone system:

→ User guide of your Gigaset telephone  
[www.gigaset.com/manuals](http://www.gigaset.com/manuals)

→ Documentation relating to your base/router

User guide online on your  
smartphone or tablet:  
Download the Gigaset Help app





## Gigaset HX – the universal handset

With your Gigaset HX handset, you have purchased a high-quality, multifunctional and future-proof device.

You can use your handset with several different DECT bases.

### On a Gigaset base

Connect your HX handset to a Gigaset base and use the many features with the quality you would expect from Gigaset.

If your Gigaset base is IP-compatible, you can also make broadband calls using your HX handset with the highest voice quality (HDSP).

In this guide, all functions that are available for your HX handset are detailed/described.

The complete functionality with Gigaset bases is described in the guide relevant to your Gigaset system.

All Gigaset user guides can be found at → [www.gigaset.com/manuals](http://www.gigaset.com/manuals)

or online on your smartphone or tablet:

→ download the Gigaset Help app from  or 

### On a DECT/GAP telephone or router from another manufacturer

The handset also functions with DECT/GAP telephones from other manufacturers, of course, as well as DECT routers. Additional information can be found at

→ [www.gigaset.com/compatibility](http://www.gigaset.com/compatibility).

### On DECT routers with CAT-iq 2.0

Your Gigaset HX handset is certified in accordance with the DECT/CAT-iq 2.0 standard. As a result, operation with a DECT router with CAT-iq functionality is possible.

Handset functions on a CAT-iq router (amongst others):

- full access to the central directory on the router as well as the local directory integrated in the handset,
- convenient calling and using of call lists,
- using several lines and call numbers<sup>\*)</sup>,
- enjoy broadband calls in guaranteed/certified HD-Voice™ quality.

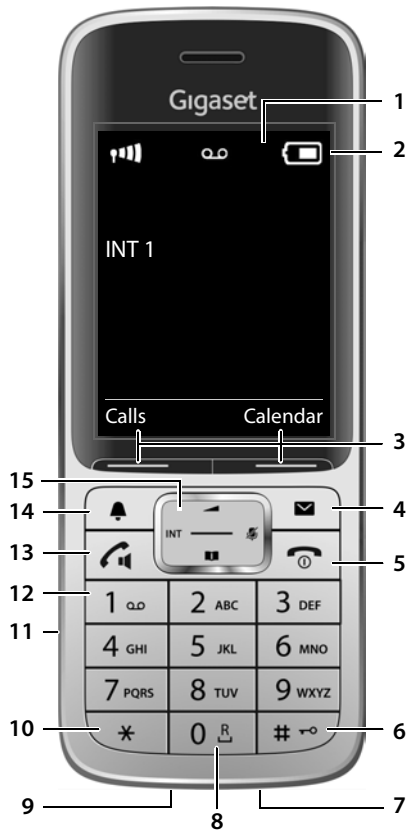
→ Details can be found in the relevant user guide for your router.

Additional information regarding your HX handset can be found at → [www.gigaset.com/hx](http://www.gigaset.com/hx)

Details regarding the functionality of the handset on various bases and routers can be found at → [www.gigaset.com/compatibility](http://www.gigaset.com/compatibility)

\*) The relevant scope of the function is dependent on the country, network and router

# Overview



**1 Display**

**2 Status bar**

Icons display current settings and operating status of the telephone

**3 Display keys**

Various functions, depending on the operating situation

**4 Message key**

Access to the call and message lists;  
Flashes: new message or new call

**5 End call key, On/off key**

End call; cancel function;  
Go back one menu level  
Return to idle status

▶ Press briefly

▶ Press and hold

Switch the handset on/off  
(in idle status)

▶ Press and hold

**6 Hash key / Lock key**

Lock/unlock the keypad  
(in idle status)

▶ Press and hold

Toggle between upper/  
lower case and digits  
(when inputting text)

▶ Press briefly

Insert a dialling pause

▶ Press and hold

**7 Microphone**

**8 Recall key**

Consultation call (flash)

▶ Press and hold

**9 USB connection socket**

For data exchange between the handset and PC

**10 Star key**

Open special characters table  
(when inputting text)

▶ Press briefly

Switch from pulse dialling to  
tone dialling  
(for an existing connection)

▶ Press briefly

**11 Headset connection**

(2.5 mm jack)

**12 Key 1**

Select answer machine/  
network mailbox

▶ Press and hold

**13 Talk key / Handsfree key**

Accept call; dial number displayed; switch  
between receiver and handsfree mode

Open the redial list

▶ Press briefly

Start dialling

▶ Press and hold

**14 Profile key**

Switch between sound profiles

**15 Control key / menu key**

Open a menu; navigate in menus and entry  
fields; access functions (depending on the  
situation)

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Not all functions described in the user guide are available in all countries or from all network providers.

## Additional information

Regarding the telephone system, if the handset is connected to a Gigaset base:

➔ User guide for your Gigaset telephone

Regarding the telephone system, if the handset is connected to another base/router:

➔ Documentation regarding your base/your router







You can obtain all Gigaset user guides

in PDF format: ➔ [www.gigaset.com/manuals](http://www.gigaset.com/manuals)















online: ➔ **Gigaset Help** app for your smartphone or tablet



## Illustration in the user guide






	Warnings, which, if not heeded, can result in injury to persons or damage to devices.
	Important information regarding function and appropriate handling or functions that could generate costs.
	Prerequisite for being able to carry out the following action.
	Additional helpful information.










## Keys

 or 	Talk key	 or 	Handsfree key
	End call key	 to 	Number / letter keys
 / 	Control key rim / centre		Message key
	Recall key		Star key
	Hash key		Profile key
OK, Back, Select, Change, Save, ...		Display keys	











## Procedures

**Example:** Switching Auto answer on/off

- ▶  ▶ ... use  to select  **Settings** ▶ OK ▶  **Telephony** ▶ OK ▶ **Auto Answer** ▶ **Change**  (= on)

Step	Follow this procedure
▶ 	When in idle status press the <b>centre</b> of the control key. The main menu opens.
▶  	Navigate to the  icon using the control key  .
▶ OK	Select OK to confirm. The submenu <b>Settings</b> opens.
▶  <b>Telephony</b>	Select the <b>Telephony</b> entry using the control key  .
▶ OK	Select OK to confirm. The submenu <b>Telephony</b> opens.
▶ <b>Auto Answer</b>	The function to switch Auto answer on/off appears as the first menu item.
▶ <b>Change</b>	Select <b>Change</b> to activate or deactivate. Function is activated  /deactivated  .

## Safety precautions

	<p>Read the safety precautions and the user guide before use.</p> <p>The device cannot be used in the event of a power failure. In case of a power failure it is also <b>not</b> possible to make <b>emergency calls</b>.</p> <p>Emergency numbers <b>cannot</b> be dialled if the <b> keypad/display lock</b> is activated!</p>
	<p>Use only <b>rechargeable batteries</b> that correspond to the <b>specification</b> (see "Technical data"). Never use a conventional (non-rechargeable) battery or other battery types as this could result in significant health risks and personal injury. Rechargeable batteries, which are noticeably damaged, must be replaced.</p>
	<p>The handset must not be operated if the battery cover is open.</p>
	<p>Do not use the devices in environments with a potential explosion hazard (e.g. paint shops).</p>
	<p>The devices are not splashproof. For this reason do not install them in a damp environment such as bathrooms or shower rooms.</p>
	<p>Use only the power adapter indicated on the device.</p> <p>Whilst charging, the power socket must be easily accessible.</p>
	<p>Remove faulty devices from use or have them repaired by our Service team, as these could interfere with other wireless services.</p>
	<p>Do not use the device if the display is cracked or broken. Broken glass or plastic can cause injury to hands and face. Send the device to our Service department to be repaired.</p>
	<p>Do not hold the rear of the handset to your ear when it is ringing or when speaker mode is activated. Otherwise you risk serious and permanent damage to your hearing.</p> <p>The phone may cause interference in analogue hearing aids (humming or whistling) or cause them to overload. If you require assistance, please contact the hearing aid supplier.</p>
	<p>Using your telephone may affect nearby medical equipment. Be aware of the technical conditions in your particular environment, e.g. doctor's surgery. If you use a medical device (e.g. a pacemaker), please contact the device manufacturer. They will be able to advise you regarding the susceptibility of the device to external sources of high frequency energy (for the specifications of your Gigaset product see "Technical data").</p>

# Getting started

## Contents of the package

- One handset
- One battery cover (rear cover for the handset)
- One battery
- One charging cradle incl. power adapter
- One belt clip
- One user guide



The charging cradle is designed for use in enclosed, dry rooms within a temperature range of +5 °C to +45 °C.

The device's feet do not usually leave any marks on surfaces. However, due to the multitude of different varnishes and polishes used on furniture, contact marks on the surfaces cannot be completely ruled out.

Never expose the telephone to heat sources, direct sunlight or other electrical devices.

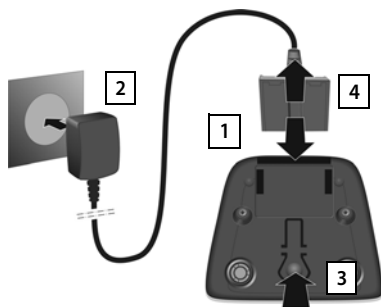
Protect your telephone from moisture, dust, corrosive liquids and vapours.

## Connecting the charging cradle

- ▶ Connect the flat plug of the power adapter **[1]**.
- ▶ Plug the mains unit into your power socket **[2]**.

To remove the plug from the charging cradle again:

- ▶ Disconnect the power adapter from the mains power supply.
- ▶ Press the release button **[3]**.
- ▶ Pull out the plug **[4]**.



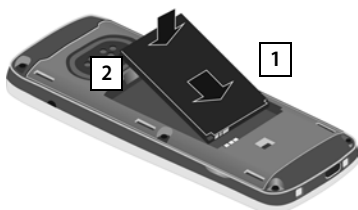
## Setting up the handset for use

The display is protected by a plastic film. ▶ Please remove the protective film!

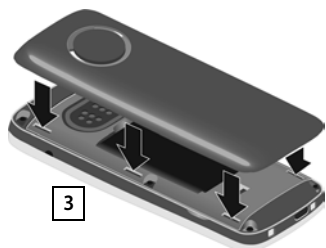
### Inserting the battery



Only use a rechargeable battery, as this could otherwise result in significant health risks and personal injury. For example, the outer casing of the battery could be destroyed or the battery could explode. The device could also malfunction or be damaged as a result of using batteries that are not of the recommended type.

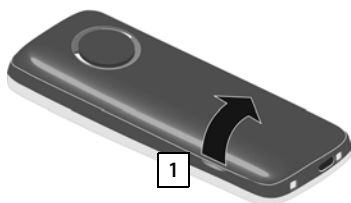


- ▶ Insert battery with the contact side pointing down **1**.
- ▶ Press the battery down until it clicks into place **2**.

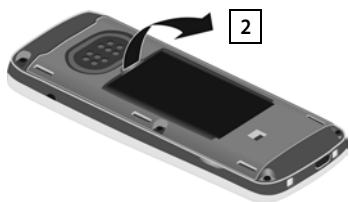


- ▶ Orientate the battery cover with the side tabs fitting into the slots on the inside of the casing **3**.
- ▶ Press the cover until it clicks into place.

### Re-opening the battery cover



- ▶ Remove the belt clip (if attached).
- ▶ Place your fingernail in the notch underneath the battery cover and pull the battery cover up **1**.

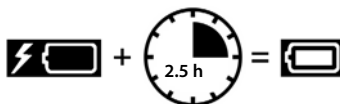



- ▶ To change the battery, place your fingernail in the recess in the housing and pull the battery up **2**.



## Charge the battery

- ▶ Charge the battery fully prior to first use in the charging cradle or using a standard USB mains adapter.



The battery is fully charged when the power icon  disappears from the display.

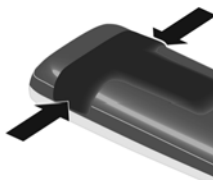


The battery may heat up during charging. This is not dangerous. After a time, the charge capacity of the battery will decrease for technical reasons.

## Attaching the belt clip





The handset has notches on each side for attaching the belt clip.

- Attaching the belt clip: ▶ Press the belt clip onto the back of the handset so that the tabs on the belt clip click into place in the notches.
- Removing the belt clip: ▶ Press the centre of the belt clip firmly with your right thumb. ▶ Push the nail of your left thumb up between the clip and the casing. ▶ Slide the clip upwards to remove.



## Changing the display language

You can change the display language, if the telephone has been set to an incomprehensible language.

- ▶ Press the centre of the control key .
- ▶ Press the keys **9** and **5** slowly and successively . . . the language settings display appears, the set language (e. g. **English**) is highlighted ( = selected).
- ▶ To select a different language: ▶ Press the control key  until the desired language is highlighted on the display, e. g. **Francais** ▶ press the key on the right directly underneath the display to activate the language.
- ▶ To revert to idle status: ▶ Press and **hold** the End call key .



### Registering the handset (depending on the base)



Registration must be initiated on the base station **and** on the handset.  
Both must be carried out **within 60 secs.**

#### On the base / router

- Gigaset base: ▶ Press and **hold** the Registration/Paging key on the base station (approx. 3 sec.).
- Other base station/  
router: ▶ Information regarding the registration procedure → Documentation regarding your base/your router

#### On the handset

- ▶ ▶ ... use to select **Settings** ▶ **OK** ▶ **Registration** ▶ **OK** ▶ **Register Handset** ▶ **OK** ... an available base is sought ▶ ... if required: enter system PIN (default setting on Gigaset bases: **0000**) ▶ **OK**

Once registration is complete, the handset returns to idle status. The internal number of the handset appears in the display, e.g. **INT 1**. If not, repeat the procedure.

A handset can be registered to up to four base stations.

- ▶ ... use to select **Settings** ▶ **OK** ▶ **Registration** ▶ **OK** ▶

- Change of base: ▶ **Select Base** ▶ **OK** ▶ ... use to select base or **Best Base** ▶ **Select** (= selected)  
**Best Base:** The handset chooses the base station with the best reception as soon as it loses connection to the current base station.

- De-registering the handset (depending on the base): ▶ **De-register Handset** ▶ **OK** ... the handset being used is selected ▶ ... use to select another handset if required ▶ **OK** ... enter system PIN if required ▶ **OK** ▶ ... Confirm de-registration with **Yes**  
If the handset is still registered to other bases, it switches to the base with the best reception (**Best Base**).

## Setting the date and time

Set the date/time so that the correct date and time can be assigned to incoming calls, and to enable the alarm to be used.



Date and time are set using the base. The date and time can also be set on an IP-compatible base via a time server on the network.

If the base permits it, you can set the date and time manually using the handset.

- ▶ Press the display key **Time**

or, if the date and time have already been set:

- ▶ ▶ ... use to select **Settings** ▶ **OK** ▶ **Date/Time** ▶ **OK**



The active cursor position flashes ▶ ... change cursor position with

▶ ... switch between cursor positions with

Enter date:

- ▶ ... using enter the day, month and year in 8-digit format.

Enter time:

- ▶ ... using enter hours and minutes in 4-digit format.

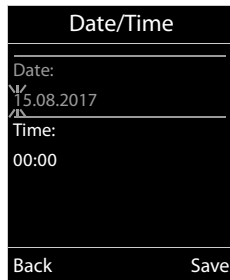
Save settings:

- ▶ Press the display key **Save**. ... **Saved** is shown in the display and a confirmation tone sounds.

Return to idle status:

- ▶ Press and **hold** the End call key

**The telephone is now ready for use.**



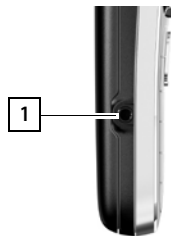
### Connecting the headset

- ▶ Connect the headset with 2.5 mm jack to the left side of the handset **1**.

or

- ▶ Connect headset via Bluetooth .

The headset volume corresponds with the setting for the receiver volume.



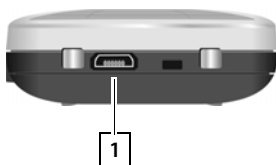
### Connecting the USB data cable

For data exchange between the handset and PC:

- ▶ Connect the USB data cable with micro-USB plug into the USB socket at the bottom of the handset **1**.





Connect the handset **directly** to the PC, **not** via a USB hub.



# Using the telephone


## Getting to know your telephone


### Switch the handset on/off

- Switch on: ▶ When the handset is switched off, press and **hold** the End call key 
- Switch off: ▶ When the handset is in idle status, press and **hold** the End call key 

### Lock/unlock the keypad

The keypad lock prevents any accidental use of the telephone.

Lock/unlock the keypad: ▶  Press and **hold**

Keypad lock activated: the following symbol appears 





If a call is indicated on the handset, the keypad automatically unlocks and you can accept the call. It then locks again when the call is finished.

It is not possible to call emergency numbers either when keypad lock is activated.

### Control key




The control key enables you to navigate the menus and input fields, and also to call up certain functions depending on the situation.


In the description below, the side of the control key (up, down, right, left) that you have to press in the different operating situations is marked in black, e. g.  for "press right on the control key" or  for "press the centre of the control key".

#### In idle status

Open the directory

 Press **briefly**

Open the list of available online directories (Gigaset GO-Box 100) or central directory of the base (e.g. CAT-iq base)

 Press and **hold**

Open the main menu

 or 

Open the list of handsets



#### In submenus, selection and entry fields

Confirm a function



## Getting to know your telephone

### During a conversation

Open the directory

Open the list of available online directories (Gigaset GO-Box 100) or central directory of the base (e.g. CAT-iq base)

Mute the microphone

Initiate an internal consultation call

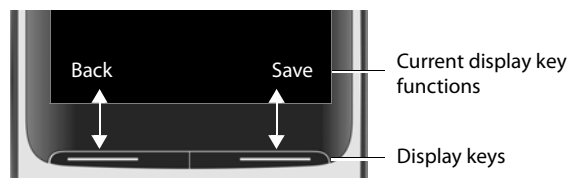
Adjust the loudspeaker volume for receiver and handsfree mode



Press and **hold**

## Display keys

The display keys perform a range of functions depending on the operating situation.



Display key icons → p. 53.

## Menu guidance

The functions of your telephone are displayed in a menu that consists of several levels.



The menu guidance depends on the base. Depending on the number and type of available functions, these may be provided in different menus, e.g. at top level or in a submenu.

Examples: **Audio Settings** may be in the top-level menu or in the **Settings** submenu, while **Calendar** may be in the **Organizer** menu or the **Additional Features** menu.

### Selecting/confirming functions

Confirm selection using

**OK** or press the centre of the control key

One menu level back using

**Back**

Change to idle status

Press and **hold**



Switch function on/off using

**Change** on / off

Activate/deactivate option using

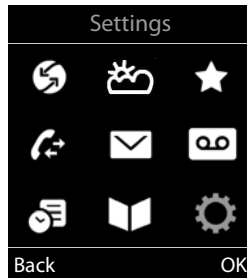
**Select** activated / not activated

## Main menu

In idle status: ▶ Press the **centre** of the control key  ▶ ... use the control key  to select a submenu ▶ **OK**


The main menu functions are shown in the display as icons. The icon for the selected function is highlighted in colour and the name of the associated function appears in the display header.

Example



## Submenus


The functions in the submenu are displayed as lists.

To access a function: ▶ ... use the control key  to select a function ▶ **OK**


Return to the previous menu level:

▶ Press the display key **Back**

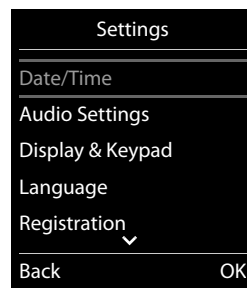
or

▶ Press the End call key  **briefly**

## Returning to idle status

▶ Press and **hold** the End call key 



Example





If a key is not pressed, after 2 minutes the display will **automatically** change to idle status.

## Entering text




### Input position




- ▶ Use  to select an entry field. A field is activated when the cursor is blinking inside it.
- ▶ Use  to move the position of the cursor.

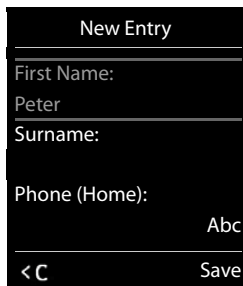
### Correcting incorrect entries

- Delete **characters** to the left of the cursor: ▶  **C** Press **briefly**
- Delete **words** to the left of the cursor: ▶  **C** Press and **hold**

### Entering letters/characters

Multiple letters and numbers are assigned to each key between  and  and the  key. As soon as a key is pressed, the possible characters are displayed at the bottom of the display. The selected character is highlighted.

- Selecting letters/numbers: ▶ Press the key **briefly** several times in succession
- Switch between lower case, upper case and number entry mode: ▶ Press the hash key   
When editing a directory entry, the first letter and each letter following a space is automatically in upper case.
- Entering special characters: ▶ Press the star key  ▶ ... use  to navigate to the desired character ▶ **Insert**



New Entry	
First Name:	Peter
Surname:	
Phone (Home):	
< C	Abc
	Save








The availability of special characters depends on the character set of the handset.






# Making calls

## Making a call

- ▶ ... use  to enter the number ▶ **briefly** press the Talk key 
- or
- ▶ press and **hold** the Talk key  ▶ ... use  to enter the number
- Cancel dialling: ▶ Press the End call key 

## On a Gigaset GO-Box 100 or another IP-compatible Gigaset base



The connection is selected via the send connection (line) set for the handset. To use another line:

- ▶ press and **hold** the Talk key  ▶ ... use  to select the line ▶ **Dial** ▶ ... use  to enter the number ... the number is dialled approximately 3 seconds after the last digit is entered

## Dialling a number from the local directory

- ▶ ... use  to open the directory ▶ ... use  to select an entry ▶ press the Talk key 

If multiple numbers are entered:


- ▶ ... use  to select the number ▶ press the Talk key  ... the number is dialled



For fast access (quick dial): Assign numbers from the directory to the digit or display keys.

## Dialling from a public/central directory




Depending on the base to which the handset is connected to, you can dial from a public directory, the Gigaset.net directory (e.g. Gigaset GO-Box 100) or a central directory on a CAT-ig base.

- ▶ press and **hold** 

Further information → in the detailed user guide for your telephone

## Dialling from the redial list











The redial list contains the 20 numbers last dialled with the handset.

- ▶ **Briefly** press the Talk key  ... the redial list opens ▶ ... use  to select an entry ▶ press the Talk key 

If a name is displayed:

- ▶ **View** ... the number is displayed ▶ ... use  to browse numbers if necessary ▶ ... when the required number is reached press the Talk key 

### Managing entries in the redial list






- ▶ **Briefly** press the Talk key  ... the redial list opens ▶ ... use  to select an entry ▶  
**Options** ... possible options:
  - Copy an entry to the directory: ▶  **Copy to Directory** ▶ **OK**
  - Copy the number to the display:
    - ▶  **Display number** ▶ **OK** ▶ ... use  to edit or add numbers if necessary ... use  to save as a new entry in the directory
  - Delete the selected entry: ▶  **Delete entry** ▶ **OK**
  - Delete all entries: ▶  **Delete List** ▶ **OK**
- Set automatic redial:
  - ▶  **Automatic Redial** ... the selected number is automatically dialled at fixed intervals (at least every 20 secs). The handsfree key flashes, "open listening" is activated.
    - The participant answers: ▶ Press the Talk key  ... the function is terminated
    - The participant does not answer: The call is interrupted after around 30 secs. The function is terminated after pressing any key or after ten unsuccessful attempts.

### Dialling from the call list

The call lists (→ p. 25) contain the most recent accepted, outgoing and missed calls.


- ▶  ▶ ... use  to select  **Call Lists** ▶ **OK** ▶ ... use  to select a list ▶ **OK** ▶ ... use  to select an entry ▶ press the Talk key 

Example


All calls	
  Frank	14.02.17, 15:40
 089563795	13.02.17, 15:32
  Susan Black	11.02.17, 13:20
<b>View</b>	<b>Options</b>




The call lists can be displayed directly by pressing the display key **Calls** if the relevant function has been assigned to the display key.

The **Missed calls** list can also be opened by pressing the Message key .

### Incoming calls

An incoming call is indicated by ringing, by a display on the screen and by the flashing Talk key . Accepting a call:

- Press the Talk key 
- If **Auto Answer** is activated: ▶ Remove the handset from the charging cradle
- Forward to the answer machine: ▶ 
- Accept a call on the headset

Switch off ringtone: ▶ **Silence** ... the call can be accepted for as long as it is shown on the display


---

## During a conversation

---

### Handsfree mode

Activating/deactivating handsfree mode during a call, when establishing a connection and when listening to the answer machine :

- ▶ Press the handsfree key 



Placing the handset in the charging cradle during a call:

- ▶ Press and hold down the handsfree key  ▶ ... Place the handset in the charging cradle ▶ ... hold  for a further 2 seconds

---

### Call volume

Applies to the current mode, handsfree mode or handset (or headset when the handset has a headset connection):

-  ▶ ... Use  to set the volume ▶ **Save**



The setting is automatically saved after around 3 seconds, even if **Save** is not pressed.

---

### Muting the microphone







When the microphone is switched off, callers will no longer hear you.

Switch the microphone on/off during a call: ▶ Press .



## Local answer machine

(only on Gigaset bases with local answer machine)







### Switching the answer machine on/off:

- ▶  ▶ ... use  to select  **Answer Machine** ▶ **OK** ▶  **Activation** ▶ **OK** ▶ ... use  to select an answer machine (if there are several) ▶ **Change** ▶ ... use  to select **On or Off** ▶ **Save**


### Playing back messages:

- ▶ Press the Message key  ▶ ... use  to select an answer machine (if there are messages for several answer machines) ▶ **OK**

### Recording a personal announcement/advisory message:

- ▶  ▶ ... use  to select  **Answer Machine** ▶ **OK** ▶  **Announcements** ▶ **OK** ▶ ... use  to select **Record Announcem.** or **Rec. Advisory Msg.** ▶ **OK** ▶ ... use  to select an answer machine (if there are several) ▶ **OK** ▶ **OK** ▶ ... record an announcement (at least 3 seconds) ... possible options

Complete the recording ▶ **End** ... the announcement is played back for you to check and save:

Cancel the recording: ▶ Press the End call key  or **Back**

Resume the recording: ▶ **OK**

Repeat the recording: ▶ **New**

## Local handset directory

The local directory is unique to the handset. However, it is possible to send entries to other handsets (→ p. 23).



Information about online directories (e.g. on a Gigaset GO-Box 100) or central directories on CAT-iq bases → user guide of the base.

### Opening the directory

- ▶ Briefly press in idle status

### Directory entries

Number of entries: up to 500

Information: First name and surname, up to three telephone numbers, e-mail address, anniversary with alert, VIP ringtone with VIP icon, CLIP-picture

Length of the entries: Numbers: max. 32 digits  
 First name, surname: max. 16 characters  
 E-mail address: max. 64 characters

### Creating an entry

- ▶ ▶ <New Entry> ▶ OK ▶ ... use to switch between the entry fields and enter data for an entry:.

Names/numbers:

- ▶ ... use to enter first names and/or surnames, at least one number (personal, office, or mobile) and an e-mail address, if applicable

Anniversary:

- ▶ ... use to activate/deactivate **Anniversary** ▶ ... use to enter date and time ▶ ... use to select type of alert (**Visual only** or a ringtone)

Caller Melody (VIP) :

- ▶ ... use to select the ringtone that will indicate a call from the participant ... if a **Caller Melody (VIP)** has been assigned, the entry will appear in the directory with the **VIP** icon.

Save entry: ▶ **Save**

Example

The screenshot shows a 'New Entry' form with the following fields and content:

- First Name:** Robert
- Surname:** (empty field)
- Phone (Home):** (empty field with a dropdown arrow and 'Abc' text)
- Bottom left: < C
- Bottom right: Save



The entry is only valid if it contains at least one number.

### Searching for/selecting a directory entry

▶ ▶ ... use to browse searched names

or

▶ ▶ ... use to enter initial letters (max. 8 letters) ... the display jumps to the first name starting with these initial letters ▶ ... use to continue browsing to the desired entry, if needed

Scroll through directory: ▶ ▶ Press and hold

---

### Displaying/changing an entry

▶ ▶ ... use to select entry ▶ **View** ▶ ... use to select the field to be changed ▶ **Edit**

or

▶ ▶ ... use to select an entry ▶ **Options** ▶ **Edit entry** ▶ **OK**

---

### Deleting entries

Delete the **selected** entry: ▶ ▶ ... use to select an entry ▶ **Options** ▶ **Delete entry** ▶ **OK**

Delete all entries: ▶ ▶ **Options** ▶ **Delete all** ▶ **OK** ▶ **Yes**

---

### Setting the order of the directory entries

Directory entries can be sorted by first name or surname.

▶ ▶ **Options** ▶ **Sort by Surname / Sort by First Name**

If no name was entered, the default telephone number is shown in the surname field. These entries appear at the beginning of the list, regardless of how the entries are sorted.

The sort order is as follows:

Space | Digits (0-9) | Letters (alphabetically) | Other characters.

---

### Displaying the number of entries available in the directory

▶ ▶ **Options** ▶ **Available Memory** ▶ **OK**

---

### Copying number to the directory

Copy numbers to the directory:

- From a list e.g. the call list or the redial list
- When dialling a number

The number is displayed or highlighted.

▶ Press the display key or **Options** ▶ **Copy to Directory** ▶ **OK** ... possible options:

Create a new entry:

▶ **<New Entry>** ▶ **OK** ▶ ... use to select number type ▶ **OK** ▶ complete entry ▶ **Save**

Add number to an existing entry:

▶ ... use to select an entry ▶ **OK** ▶ ... use to select number type ▶ **OK** ... the number is entered or a prompt to overwrite an existing number is displayed ▶ ... if required, answer the prompt with **Yes/No** ▶ **Save**

## Copying an entry/directory



The sending and receiving handset must both be registered to the same base station.  
The other handset and the base station are able to send and receive directory entries.



An external call interrupts the transfer.  
Caller pictures and sounds are not transferred. Only the date is transferred for an anniversary.

### Both handsets support vCards:

- No entry with the name is available: a new entry is created.
- An entry with the name is already available: The entry is expanded to include the new numbers. If the entry contains more numbers than allowed by the recipient handset, a second entry is created with the same name.

### The recipient handset does not support vCards:

A separate entry is created and sent for each number.

### The sending handset does not support vCards:

A new entry is created on the receiving handset and the transferred number is added to the **Phone (Home)** field. If an entry with this number already exists, the copied number is discarded.

## Copying individual entries

▶ ▶ ... use to select the desired entry ▶ **Options** ▶ **Copy Entry** ▶ **OK** ▶ to **Internal** ▶ **OK** ▶ ... use to select the receiving handset ▶ **OK** ... the entry is copied

Copy the next entry after successful transfer: ▶ Press **Yes** or **No**

## Copying the entire directory

▶ ▶ **Options** ▶ **Copy All** ▶ **OK** ▶ to **Internal** ▶ **OK** ▶ ... use to select the receiving handset ▶ **OK** ... the entries are copied one after the other



Information about copying directory entries using Bluetooth can be found in the detailed user guide for the Gigaset SL450 at → [www.gigaset.com/manuals](http://www.gigaset.com/manuals)

## Synchronising the phonebook with the PC address book (Gigaset QuickSync)




The Gigaset QuickSync programme has been installed on the computer.  
The handset is connected via Bluetooth or via a USB data cable to the computer.

Free download and further information at → [www.gigaset.com/quicksync](http://www.gigaset.com/quicksync)

## Message lists

Notifications about missed calls, messages on the answer machine/network mailbox and missed alarms are saved in the messages list.

As soon as a **new message** arrives, an advisory tone will sound. The Message key  also flashes (if activated). Activation from the handset is only possible on Gigaset bases. Use the web interface as required for CAT-iq routers. Information → user guide of the base/router.

Icons for message types and the number of new messages are shown on the idle display.

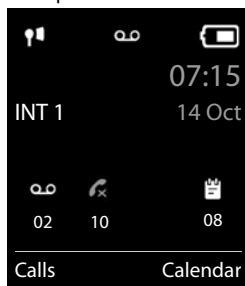
Notification for the following message types is available:


 on the answer machine/network mailbox

 in the missed calls list

 in the missed alarms list

Example




 The icon for the network mailbox is always displayed, provided the number is stored in the telephone. The other lists are only displayed if they contain messages.

Display messages:

- ▶ Press the Message key  ... Messages lists that contain messages are displayed, **Mailbox:** is always displayed

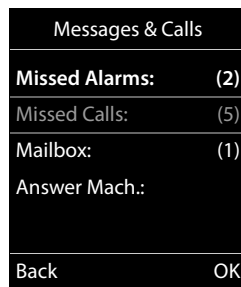
An entry is marked in **bold**: new messages are available. The number of new messages is shown in brackets.


An entry is **not** marked in bold: no new messages. The number of old messages is shown in brackets.

- ▶ ... use  to select a list ▶ **OK** ... the calls or messages are listed

Network mailbox: The network mailbox number is dialled.

Example



 The message list contains an entry for every answer machine assigned to the handset, e.g. for the local answer machine on a Gigaset base / CAT-iq router or for a network mailbox .



## Call lists

The telephone saves different types of calls (missed, accepted and outgoing calls) in lists.



The base/router to which the handset is registered provides information on call numbers.

Detailed information can be found at → [www.gigaset.com/compatibility](http://www.gigaset.com/compatibility).

### List entry

The following information is displayed in the list entries::

- The list type (in the header)
- Icon for the type of entry:
  - Missed calls,
  - Accepted calls,
  - Outgoing calls,
  - Call on the answer machine
- Caller's number. If the number is stored in the directory, the name and number type ( Phone (Home), Phone (Office), Phone (Mobile)) are shown instead. In the event of missed calls, the number of missed calls from this number is also shown in square brackets.
- Connection by which the call was received/made
- Date and time of call (if set)

Example

All calls	
Frank	
Today, 15:40	[3]
089563795	
13.05.17, 18:32	
Susan Black	
12.05.17, 13:12	
View	Options

### Opening the call list

Via the display key: ▶ **Calls** ▶ ... use to select the list ▶ **OK**

Via the menu: ▶ ▶ ... use to select **Call Lists** ▶ **OK** ▶ ... use to select the list ▶ **OK**

Via the Message key (missed calls):

▶ Press the Message key ▶ **Missed Calls:** ▶ **OK**

### Calling back a caller from the call list

▶ ▶ ... use to select **Call Lists** ▶ **OK** ▶ ... use to select list ▶ **OK** ▶ ... use to select entry ▶ Press the Talk key

### Additional options

▶ ▶ ... use to select **Call Lists** ▶ **OK** ▶ ... use to select list ▶ **OK** ... possible options:

View an entry: ▶ ... use to select entry ▶ **View**

Copy the number to the directory:

▶ ... use to select entry ▶ **Options** ▶ **Copy to Directory**

Delete an entry: ▶ ... use to select entry ▶ **Options** ▶ **Delete entry** ▶ **OK**

Delete list: ▶ **Options** ▶ **Delete List** ▶ **OK** ▶ **Yes**

## Additional functions



The functions actually available on your telephone and how they are operated depends on the base/router to which the handset is registered.

The following description applies to a Gigaset GO-Box 100. The procedure required for your telephone may differ from the procedures described here.



### Additional information

Regarding the telephone system, if the handset is connected to a Gigaset base:

➔ User guide for your Gigaset telephone

Regarding the telephone system, if the handset is connected to another base/router:

➔ Documentation regarding your base/your router

You can obtain all Gigaset user guides


in PDF format: ➔ [www.gigaset.com/manuals](http://www.gigaset.com/manuals)

online: ➔ **Gigaset Help** app for your smartphone or tablet




## Sound profiles

The telephone has 3 sound profiles for adapting the handset to the environmental conditions: **Profile Loud**, **Profile Silent**, **Profile Personal**

- Use  to switch between the profiles ... the profile is changed straight away without a prompt

The profiles are set as follows by default:

Default setting		Profile Loud	Profile Silent	Profile Personal
Ringtone		On	Off	On
Ringtone volume	Internal	5	Off	5
	External	5	Off	5
Handset volume	Receiver	5	3	3
	Handsfree	5	3	3
Advisory tones	Key click	Yes	No	Yes
	Confirmation tone	Yes	No	Yes
	Battery tone	Yes	Yes	Yes

Activate alert tone for an incoming call for **Profile Silent**: ► after switching to **Profile Silent** press the display key **Beep** ... the icon  appears in the status bar



Changes to the settings listed in the table:

- apply in the **Loud** and **Silent** profiles as long as the profile is not changed.
- are permanently saved in **Profile Personal** for this profile.

The set profile remains set when switching the phone off and back on.

## Calendar

You can remind yourself of up to **30 appointments**.

In the calendar, the current day is outlined in white; on days with appointments, the numbers are displayed in colour. When a day is selected, it will be outlined in colour.

September 2017						
Mo	Tu	We	Th	Fr	Sa	Su
				01	02	03
04	05	06	07	08	09	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
Back						OK

### Saving appointments to the calendar



- ▶ ▶ ... use to select **Organizer** ▶ **OK** ▶ **Calendar** ▶ **OK** ▶ ... use to select desired day ▶ **OK** ... then
  - Switch on/off: ▶ **Activation:** ... use to select **On** or **Off**
  - Enter date: ▶ **Date** ... the selected day has been pre-set ▶ ... use to enter new date
  - Enter time: ▶ **Time** ▶ ... use to enter hours and minutes of the appointment
  - Set name: ▶ **Text** ▶ ... use to enter a description of the appointment (e.g. evening meal, meeting)
  - Set alarm tone: ▶ **Signal** ▶ ... use to select the melody of the reminder alarm or deactivate the acoustic signal
  - Enter information for the appointment:
    - ▶ ... use to successively select **Date**, **Time**, **Text** and **Signal** ▶ ... use or to set the relevant value ▶ **Save**
  - Save appointment: ▶ **Save**

If an appointment has already been entered: ▶ **<New Entry>** ▶ **OK** ▶ ... Then enter information for the appointment.

### Notification of appointments/anniversaries

Anniversaries are transferred from the directory and displayed as an appointment. An appointment/anniversary is displayed in idle status and the selected ringtone plays for 60 seconds as a notification.

- Acknowledge and stop the reminder: ▶ Press the display key **OFF**




During a call, a reminder is indicated on the handset **once** with an advisory tone on the handset.

## Displaying missed appointments/anniversaries

The following appointments and anniversaries are saved in the **Missed Alarms** list:

- The appointment/anniversary call was not acknowledged.
- The appointment/anniversary was notified during a phone call.
- The handset was switched off at the time of the appointment/anniversary.

The last 10 entries are stored. The  icon and the number of new entries are shown in the display. The most recent entry appears at the top of the list.

### Opening the list

▶ Press the Message key  ▶  Missed Alarms: ▶ OK ▶ ... use  to browse through the list of any appointments







or

▶  ▶ ... use  to select  Organizer ▶ OK ▶  Missed Alarms ▶ OK

Each entry is displayed with the number or name, date and time. The most recent entry appears at the top of the list.

- Delete an appointment/anniversary: ▶ Delete

## Displaying/changing/deleting stored appointments

▶  ▶ ... use  to select  Organizer ▶ OK ▶  Calendar ▶ OK ▶ ... use  to select day ▶ OK ... the appointment list is displayed ▶ ... use  to select date ... possible options:

Display appointment details:

- ▶ **View ...** The appointment settings are displayed

Change appointment: ▶ **View** ▶ **Edit**


- or ▶ **Options** ▶  Edit entry ▶ OK

Activate/deactivate appointment:

- ▶ **Options** ▶  Activate/Deactivate ▶ OK

Delete appointment: ▶ **Options** ▶  Delete entry ▶ OK

Delete all appointments for a day:

- ▶ **Options** ▶  Delete all Appoints. ▶ OK ▶ Yes

## Alarm clock



Date and time have been set.

### Activating/deactivating the alarm clock and setting the wake-up time

- ▶ ▶ ... use to select **Organizer** ▶ **OK** ▶ **Alarm Clock** ▶ **OK** ... then
  - Switch on/off: ▶ **Activation:** ... use to select **On** or **Off**
  - Setting the wake-up time:
    - ▶ **Time** ▶ ... use to enter hours and minutes
  - Set days: ▶ **Occurrence** ▶ ... use to switch between **Monday-Friday** and **Daily**
  - Set the volume: ▶ **Volume** ▶ ... use to set volume in 5 levels s or select **crescendo** (increasing volume)
  - Set alarm: ▶ **Melody** ▶ ... use to select a ringtone for the alarm
  - Enter alarm data: ▶ ... use to successively select **Time**, **Occurrence**, **Volume** and **Melody** ▶ ... use or to set the relevant value ▶ **Save**
  - Save settings: ▶ **Save**

When the alarm clock is activated, the icon and the wake-up time are displayed in idle display.

### Alarm

An alarm is shown on the display and indicated by the selected ringtone melody. The alarm sounds for 60 seconds. If no key is pressed, the alarm is repeated after 5 minutes. After the second repetition, the alarm call is deactivated for 24 hours.



During a call, the alarm is only indicated by a short tone.

### Switching off /repeating the alarm after an interval (snooze mode)

Deactivate the alarm: ▶ **OFF**

Repeat the alarm (snooze mode): ▶ Press **Snooze** or any key ... the alarm is switched off and repeated after 5 minutes.

## Baby monitor

When the baby monitor is switched on, the stored (internal or external) destination number is called as soon as a defined noise level is exceeded in the vicinity of the handset. The alarm to an external number is cancelled after approximately 90 seconds.

You can answer the alarm using the **Two Way Talk** function. This function is used to switch the loudspeaker of the handset located in the baby's room on or off.

In baby monitor mode, incoming calls are only indicated on the display (**without ringtone**). The display backlight is reduced to 50%. Advisory tones are deactivated. All keys are locked, with the exception of the display keys and the ability to press the centre of the control key.

If you accept an incoming call, the baby monitor mode is suspended for the duration of the call, but the function **remains** activated. The baby monitor mode is not deactivated by switching the handset off and on again.



The handset should be positioned 1 to 2 metres away from the baby. The microphone must point towards the baby.

Activating the function reduces the operating time of your handset. For that reason, place the handset in the charging cradle if necessary.

The baby monitor is activated 20 seconds after switching on.

The answer machine for the destination number must be switched off.

After switching on:

- ▶ Test sensitivity.
- ▶ Test the connection, if the alarm is being forwarded to an external number.

### Activating and setting the baby monitor

- ▶ ▶ ... use to select **Additional Features** ▶ **OK** ▶ **Baby Monitor** ▶ **OK** ... then

Switch on/off:

- ▶ **Activation:** ... use to select **On** or **Off**

Enter destination:

- ▶ **Send alarm to** ▶ ... use to select **External** or **Internal**

**External:** ▶ **Number** ▶ ... use to select number or select a number from the directory: ▶

**Internal:** ▶ **Handset** ▶ **Change** ▶ ... use to select the handset ▶ **OK**

Activate/deactivate two-way talk:

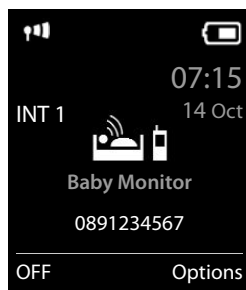
- ▶ **Two Way Talk** ▶ ... use to select **On** or **Off**

Set microphone sensitivity:

- ▶ **Sensitivity** ▶ ... use to select **High** or **Low**

Save settings: ▶ **Save**

Baby Monitor activated




The destination number is displayed in idle display when the baby monitor is activated.

---

### Deactivate baby monitor / cancel alarm

Deactivate the baby monitor: ▶ In idle status press the display key **OFF**

Cancel the alarm: ▶ Press the End call key  during an alarm



---

### Deactivate the baby monitor remotely



The alarm is forwarded to an external destination number.

The receiving phone supports tone dialling.

▶ Accept alarm call ▶ Press keys  

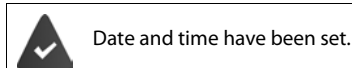
The baby monitor is deactivated and the handset is in idle status. The baby monitor settings on the handset (e.g. no ringtone) will remain activated until you press the display key **OFF**.

Reactivate baby monitor with the same number: ▶ ... **Activation** to switch back on (→ p. 31) ▶ **Save**



## Protection against unwanted calls

### Time control for external calls

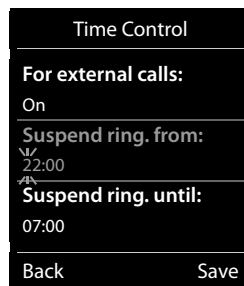


Date and time have been set.

Enter a time period during which the handset should suspend ringing to indicate external calls e.g. during the night.

- ▶ ▶ ... use to select **Settings** ▶ OK ▶ **Audio Settings** ▶ OK ▶ **Ringtones (Handset)** ▶ OK ▶ **Time Control** ▶ OK ▶ ... then
- Switch on/off: ▶ use to select **On** or **Off**
- Enter time: ▶ use to switch between **Suspend ring. from** and **Suspend ring. until** ▶ ... use to enter start and end in 4-digit format
- Save: ▶ **Save**

Example



The time control only applies to the handset for which the setting is configured.

The telephone will continue to ring for numbers that have been assigned to a VIP group in the directory.

### Protection from anonymous callers

The handset will not ring if callers' numbers are not revealed. This setting can be applied to only one or to all registered handsets.

#### For one handset

- ▶ ▶ ... use to select **Settings** ▶ OK ▶ **Audio Settings** ▶ OK ▶ **Ringtones (Handset)** ▶ OK ▶ **Anon. Calls Silent** ▶ **Edit** ( = on) ... the call is only signalled on the display

#### For all handsets

(only on some Gigaset bases)

- ▶ ▶ ... use to select **Settings** ▶ OK ▶ **Telephony** ▶ OK ▶ **Anonymous Calls** ▶ **Edit** ( = on) ▶ ... use to select **Protection Mode**:

**No Protection** Anonymous calls are indicated in the same way as identified numbers

**Silent Call** The telephone will not ring and the incoming call will only appear in the display.

**Block Call** The telephone will not ring and the incoming call will not appear in the display. The caller will hear the busy tone.








Save settings: ▶ **Save**

### Black list






(only on some Gigaset bases: → [www.gigaset.com/compatibility](http://www.gigaset.com/compatibility))

When the black list function is activated, calls from black list numbers are not indicated or are only indicated in the display. These settings apply to all registered handsets.








#### Displaying/editing the black list

- ▶  ▶ ... use  to select  **Settings** ▶ OK ▶  **Telephony** ▶ OK ▶  **Black List** ▶ **Edit** ▶ **Blocked Numbers** ▶ OK ... the list of blocked numbers is displayed ... possible options:
  - Create an entry: ▶ **New** ▶ ... use  to enter a number ▶ **Save**
  - Delete an entry: ▶ ... use  to select an entry ▶ **Delete** ... the entry is deleted

#### Transferring a number from a call list to the black list

- ▶  ▶ ... use  to select  **Call Lists** ▶ OK ▶ ... use  to select **Accepted calls/ Missed calls** ▶ OK ▶ ... use  to select entry ▶ **Options** ▶ **Copy to Blacklist** ▶ OK






#### Setting the protection mode

- ▶  ▶ ... use  to select  **Settings** ▶ OK ▶  **Telephony** ▶ OK ▶  **Black List** ▶ **Edit** ▶  **Protection Mode** ▶ OK ▶ ... use  to select desired protection:
  - No Protection** All calls are indicated, including from callers whose numbers are on the black list.
  - Silent Call** The telephone will not ring and the incoming call will only appear in the display.
  - Block Call** The telephone will not ring and the incoming call will not appear in the display. The caller will hear the busy tone.
- Save settings: ▶ **Save**

---

### Switch off ringtone when in charging cradle

The handset will not ring when placed in the charging cradle. The call is only indicated on the display.

- ▶  ▶ ... use  to select  **Settings** ▶ OK ▶  **Audio Settings** ▶ OK ▶  **Ringtones (Handset)** ▶ OK ▶ **Silent Charging** ▶ **Change**  = ringtone is switched off when in charging cradle)

## Resource Directory

Sounds for ringtones and images that can be used as caller pictures (CLIP pictures) or as a screensaver are saved in the handset's resource directory. A range of monophonic and polyphonic sounds and pictures have been pre-set but further images and sounds can be downloaded using a PC (→ Gigaset QuickSync).

### Media types:

Type	Format
<b>Sound</b> Ringtones Monophonic Polyphonic Imported sounds	Internal Internal Internal WMA, MP3, WAV
<b>Picture</b> CLIP-picture Screensaver	BMP, JPG, GIF 240 x 172 pixels 240 x 320 pixels

If insufficient memory is available, you must delete one or more pictures or sounds before others can be saved.

### Manage CLIP pictures/sounds

▶ ▶ ... use to select **Additional Features** ▶ OK ▶ **Resource Directory** ▶ OK

... possible options:

View CLIP-picture: ▶ **Caller Pictures** ▶ OK ▶ ... use to select picture ▶ **View** ... the selected picture is displayed

Play sound: ▶ **Sounds** ▶ OK ▶ ... use to select sound ... the selected sound is played

Set volume: ▶ **Options** ▶ **Volume** ▶ OK ▶ ... use to select volume ▶ **Save**

Rename picture/sound:

▶ Select **Caller Pictures / Sounds** ▶ OK ▶ ... use to select sound/image ▶ **Options** ▶ **Rename** ▶ ... use to delete name, use to enter new name ▶ **Save** ... the entry is saved with the new name

Delete picture/sound: ▶ Select **Caller Pictures / Sounds** ▶ OK ▶ ... use to select sound/picture ▶ **Options** ▶ **Delete entry** ... the selected entry is deleted



The relevant options are not available if a picture/sound cannot be deleted.

### Check memory

Display the available memory for screensavers and CLIP-pictures.

▶ ▶ ... use to select **Additional Features** ▶ OK ▶ **Resource Directory** ▶ OK ▶ **Capacity** ▶ OK ... the percentage of available memory is displayed

## Bluetooth

The handset is able to use Bluetooth™ to communicate wirelessly with other devices that also use this technology, e.g. for connecting a Bluetooth headset.



Bluetooth is activated and the devices have been registered to the handset.

The following devices can be connected:

- A Bluetooth headset



The headset features the **Headset** or **Handsfree Profile**. If both profiles are available, the handsfree profile is used to communicate.

It may take 5 seconds to establish a connection, whether a call is accepted using the headset or transferred to the headset, or a call is made from the headset.

- Up to 5 data devices (PCs, tablets or mobile phones) for the transmission of address book entries as a vCard or for the exchange of data with the computer.

In order for telephone numbers to be used further, the area code (international and local area code) must be saved to the telephone.

Operating Bluetooth devices → device user guides

### Activating/deactivating Bluetooth mode

- ▶ ▶ ... use to select ▶ **OK** ▶ **Activation** ▶ **Change** = activated)  
If the local area code is still not saved: ▶ ... use to enter local area code ▶ **OK**

When in idle status, the activated Bluetooth mode is indicated on the handset by the icon.

### Registering Bluetooth devices

The distance between the handset in Bluetooth mode and the active Bluetooth device (headset or data device) should not exceed 10 m.



The registration of a headset overwrites a previously registered headset.




If a headset is to be registered that is already registered with a different device, this connection must be deactivated before registering.



- ▶ ▶ ... use to select ▶ **OK** ▶ **Search for Headset / Search Data Device** ▶ **OK** ... the search starts (may take up to 30 seconds) ... the names of found devices are displayed ... possible options:
- Register device: ▶ **Options** ▶ **Trust Device** ▶ **OK** ▶ ... use to enter the PIN of the Bluetooth device to be registered ▶ **OK** ... the device is added to the list of known devices
- Display information about a device:
- ▶ ... use to select a device, if applicable ▶ **View** ... the device name and device address are displayed


- Repeat search: ▶ **Options** ▶ **Repeat Search** ▶ **OK**  
 Cancel search: ▶ **Cancel**

## Editing the list of known (trusted) devices

### Open the list

- ▶  ▶ ... use  to select ▶ **OK** ▶  **Known Devices** ▶ **OK** ... the known devices are listed, an icon indicates the type of device

-  Bluetooth headset  
 Bluetooth data device

If a device is connected, the relevant icon is shown in the display header instead of .

### Edit an entry

- ▶  ▶ ... use  to select ▶ **OK** ▶  **Known Devices** ▶ **OK** ▶ ... use  to select entry  
 ... possible options:

View an entry: ▶ **View** ... the device name and device address are displayed ▶ Press **OK** to go back

De-register a Bluetooth device:

- ▶ **Options** ▶ **Delete entry** ▶ **OK**



Edit name: ▶ **Options** ▶ **Edit Name** ▶ **OK** ▶ ... use  to edit name ▶ **Save**



If an active Bluetooth device is de-registered, it may try to re-connect as a "non-registered device".

## Rejecting/accepting a non-registered Bluetooth device

If a Bluetooth device that is not registered in the list of known devices tries to connect to the handset, a prompt will appear asking you to enter the PIN of the Bluetooth device (Bonding).





- Reject: ▶ **Briefly** press the End call key .
- Accept: ▶ ... use  to enter the PIN of the Bluetooth device to be accepted ▶ **OK** ▶ ... Wait for PIN confirmation ... then

Add the device to the list of known devices: ▶ **Yes**

Use the device temporarily: ▶ **No** ... the Bluetooth connection can be used, as long as the device is located within transmission range or until it is switched off

## Changing the Bluetooth name of the handset

The handset is shown by this name on another Bluetooth device.

- ▶  ▶ ... use  to select ▶ **OK** ▶  **Own Device** ▶ **OK** ... the name and the device address are shown ▶ **Change** ▶ ... use  to change the name ▶ **Save**

## Additional functions using the PC interface



The **Gigaset QuickSync** program has been installed on the computer.

Free to download at → [www.gigaset.com/quicksync](http://www.gigaset.com/quicksync)

QuickSync functions:

- Sync the handset's directory with Microsoft® Outlook®
  - Upload CLIP-pictures (.bmp) from the computer to the handset
  - Upload pictures (.bmp) as screensavers from the computer to the handset
  - Upload sounds (ringtone melodies) from the computer to the handset
  - Update firmware
  - Cloud synchronisation with Google™
- ▶ Connecting the handset to the computer via Bluetooth or via a USB data cable..



Connect the handset **directly** to the PC, **not** via a USB hub.

### Transferring data



Data transfer using Bluetooth:

- The computer has Bluetooth capability.
- A USB data cable is not plugged in. If a USB data cable is plugged in during an existing Bluetooth connection, the Bluetooth connection is interrupted.

- ▶ Launch the **Gigaset QuickSync** program on the computer.



The message **Data transfer in progress** is shown on the display during data transfer between the handset and PC. During this time, it is not possible to enter any data using the keypad and incoming calls are ignored.

### Carrying out a firmware update

- ▶ Connect the telephone and the PC using a **USB data cable** ▶ Launch **Gigaset QuickSync** ▶ Establish connection to the handset
- ▶ Start firmware update in **Gigaset QuickSync** ... Information about this can be found in **Gigaset QuickSync** help feature

The update process may take up to 10 minutes (not including download time).

The data are first downloaded from the online update server. The time required for this depends on Internet connection speed.

The display on your telephone is switched off and the Message key  and the Talk key  will flash.

Once the update is complete, your telephone will automatically restart.





The firmware can also be updated directly via the DECT radio link if the base/router supports this (→ **Handset Update**).

### Procedure in the event of an error

If the update procedure fails or the telephone no longer functions properly after the update, repeat the update procedure:

- ▶ End the **Gigaset QuickSync** program on the PC ▶ Remove the USB data cable from the telephone ▶ Remove the battery ▶ Replace the battery
- ▶ Carry out the firmware update again as described above

If the update procedure fails more than once or it is no longer possible to connect to the PC, carry out the **Emergency Update**:

- ▶ End the **Gigaset QuickSync** program on the PC ▶ Remove the USB data cable from the telephone ▶ Remove the battery
- ▶ Press and hold keys **4** and **6** at the same time with the forefinger and middle finger ▶ Replace the battery
- ▶ Release keys **4** and **6** ... the Message key  and the Talk key  will flash alternately
- ▶ Carry out the firmware update as described above



Always save pictures and sounds uploaded onto the handset on the PC, as they are deleted during an **Emergency Update**.

# Setting the handset

## Changing the language

- ▶ ▶ ... use to select **Settings** ▶ OK ▶ **Language** ▶ OK ▶ ... use to select language ▶ **Select** ( = selected)

If the handset has been set to an incomprehensible language:

- ▶ ▶ Press the keys **9** **5** **slowly** one after the other ▶ ... use to select the correct language ▶ press the right display key

## Display and keypad

### Screensaver

A digital or analogue clock, Info Services and a range of pictures can be selected to be displayed as a screensaver when in idle status.

- ▶ ▶ ... use to select **Settings** ▶ OK ▶ **Display & Keypad** ▶ OK ▶ **Screensaver** ▶ **Edit** ( = on) ... then
  - Switch on/off: ▶ **Activation:** ... use to select **On** or **Off**
  - Select screensaver: ▶ **Selection** ▶ ... use to select a screensaver (**Digital Clock** / **Analog Clock** / **Info Services** / <Pictures> / **Slideshow**)
  - View screensaver: ▶ **View**
  - Save selection: ▶ **Save**

The screensaver is activated approx. 10 seconds after the display has changed to idle status.

- All pictures from the **Screensaver** folder of the **Resource Directory** are available for selection.

### End screensaver

- ▶ Press the End call key **briefly** ... the display changes to idle status

### Notes on displaying Info Services

(only on a Gigaset GO-Box 100 or other Gigaset-IP base)

- Info Services** are activated via the web configurator.  
The telephone is connected to the Internet.



- The type of info service available to your phone is set on the Internet on the Gigaset.net server.  
If no information is currently available, the digital time (**Digital Clock**) is displayed instead until information is available again.



## Switching Info Services on/off

(only on a Gigaset GO-Box 100 or other Gigaset-IP base)







The text information from the Internet that is set for the screensaver **Info Services** can be displayed as a scrolling message in idle status.

- ▶  ▶ ... use  to select  **Settings** ▶ OK ▶  **Display & Keypad** ▶ OK ▶  **Info Ticker** ▶ **Edit**  = on)

The text appears as soon as the telephone changes to idle status. If a message is shown in the display, the info text is not displayed.








## Large font

Show text and icons in call lists and in the directory in a larger size in order to improve legibility. Only one entry is shown in the display and names are abbreviated if necessary.

- ▶  ▶ ... use  to select  **Settings** ▶ OK ▶  **Display & Keypad** ▶ OK ▶  **Large Font** ▶ **Change**  = on)

## Colour scheme









You can choose from a range of colour combinations for the display.

- ▶  ▶ ... use  to select  **Settings** ▶ OK ▶  **Display & Keypad** ▶ OK ▶  **Colour Schemes** ▶ OK ▶ ... use  to select the desired colour scheme ▶ **Select**  = selected)

## Display backlight

The display backlight always illuminates when the handset is taken out of the base station/charging cradle or when a key is pressed. Any **digit keys** that are pressed appear on the display for pre-dialling.

Switch the display backlight on/off when in idle status:

- ▶  ▶ ... use  to select  **Settings** ▶ OK ▶  **Display & Keypad** ▶ OK ▶  **Display Backlight** ▶ OK ... then
- Backlight when in the charging cradle:
  - ▶ **In Charger:** ... use  to select **On** or **Off**
- Backlight when not in the charging cradle:
  - ▶  **Out of Charger** ▶ ... use  to select **On** or **Off**
- Save selection:
  - ▶ **Save**



The handset's standby time may be significantly reduced if the display backlight is switched on.






### Keypad illumination

The keypad has 5 levels of brightness to choose from.

- ▶  ▶ ... use  to select  **Settings** ▶ OK ▶  **Display & Keypad** ▶ OK ▶  **Key Illumination** ▶ OK ▶ ... use  to select **Brightness (1 - 5)** ▶ **Save**





### Activating/deactivating automatic keypad lock


Automatically lock the keypad when the handset has been in idle status for around 15 seconds.

- ▶  ▶ ... use  to select  **Settings** ▶ OK ▶  **Display & Keypad** ▶ OK ▶  **Auto Keypadlock** ▶ **Change**  = on)

### Activating/deactivating Auto Answer


When set to Auto Answer, the handset accepts an incoming call as soon as it is removed from the charging cradle.

- ▶  ▶ ... use  to select  **Settings** ▶ OK ▶  **Telephony** ▶ OK ▶ **Auto Answer** ▶ **Change**  = on)



Regardless of the **Auto Answer** setting, the connection ends as soon as you place the handset back in the charging cradle. Exception: Press and hold the handsfree key  for a further 2 seconds while placing the handset in the charging cradle.


### Changing the earpiece and handsfree volume

You can set the volume of the earpiece and speaker at 5 levels independently of each other.

-  Changes are only saved permanently in **Profile Personal**.

#### During a conversation

- ▶  **Handset Volume** ▶ ... use  to select volume ▶ **Save** ... the setting is saved

-  Without saving, the setting is automatically saved after around 3 seconds.

#### In idle status

- ▶  ▶ ... use  to select  **Settings** ▶ OK ▶  **Audio Settings** ▶ OK ▶ **Handset Volume** ▶ OK ... then









For the earpiece: ▶ **Earpiece:** ... use  to set the volume

For the speaker: ▶  **Speaker** ▶ ... use  to set the volume

Save settings: ▶ **Save**

## Earpiece and handsfree profile

Select a profile for the **earpiece** and **handsfree mode** in order to adapt the telephone as much as possible to the surroundings. Check which is the most comfortable profile for you and your caller.








- ▶  ▶ ... use  to select  **Settings** ▶ OK ▶  **Audio Settings** ▶ OK ▶  **Acoustic Profiles** ▶  **Earpiece Profiles / Handsfree Profiles** ▶ OK ▶ ... use  to select profile ▶ Select  (= selected)

**Earpiece Profiles:** High or Low (default setting)

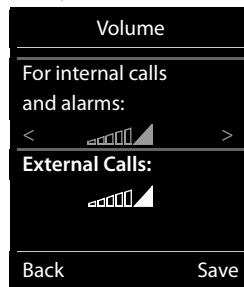
**Handsfree Profiles:** Profile 1 (default setting) ... Profile 4

## Ringtones

### Ringtone volume

- ▶  ▶ ... use  to select  **Settings** ▶ OK ▶  **Audio Settings** ▶ OK ▶  **Ringtones (Handset)** ▶ OK ▶ **Volume** ▶ OK ▶ ... use  to select **For internal calls and alarms** or **External Calls** ▶ ... use  to set volume in 5 levels or in crescendo mode (increasing volume) ▶ **Save**








Example



Changes are only saved permanently in **Profile Personal**.



### Ringtone melody

Set a variety of ringtones for internal and external calls for every available send/receive connection of the telephone (**Landline**, **IP1**) or set the same ringtone for **All calls**.

- ▶  ▶ ... use  to select  **Settings** ▶ OK ▶  **Audio Settings** ▶ OK ▶  **Ringtones (Handset)** ▶ OK ▶  **Melodies** ▶ OK ▶ ... use  to select the connection ▶ ... use  to select the ringtone/melody in each case ▶ **Save**

## Switching the ringtone on/off

### Switching the ringtone off permanently


- ▶ Use the  key to set **Profile Silent** ... the following icon appears in the status bar 

## Setting the handset

### Switching the ringtone on permanently

- ▶ Use the  key to set **Profile Loud** or **Profile Personal**



### Switching the ringtone off for the current call


- ▶ **Silence** or press the End call key 

---

### Switching the alert tone (beep) on/off

Switch on an alert tone (beep) instead of the ringtone:







- ▶ ... Press the Profile key  to select **Profile Silent** ▶ press **Beep** within 3 seconds ... the following icon appears in the status bar 

Switching off the alert tone: ▶ ... Press the Profile key  to change profile

---

### Switching the silent alert on/off



Incoming calls and other messages are indicated by a silent alert.

- ▶  ▶ ... use  to select  **Settings** ▶ OK ▶  **Audio Settings** ▶ OK ▶  **Silent Alert** ▶ Change ( = on)

---

### Switching advisory tones on/off



The handset notifies acoustically about different activities and statuses. These advisory tones can be switched on/off independently of each other.

- ▶  ▶ ... use  to select  **Settings** ▶ OK ▶  **Audio Settings** ▶ OK ▶  **Advisory Tones** ▶ OK ... then



Tone when keys are pressed:

- ▶ **Key Tones:** ... use  to select **On** or **Off**



Confirmation/error tone after making entries, advisory tone when a new message has been received:

- ▶  **Confirmation** ▶ ... use  to select **On** or **Off**

Warning tone when there are fewer than 10 minutes of talktime remaining (every 60 seconds):

- ▶  **Battery** ▶ ... use  to select **On** or **Off**

Warning tone when the handset is moved out of range of the base station:

- ▶  **Out of Range:** ... use  to select **On** or **Off**

Save settings:

- ▶ **Save**



There is no battery warning when the baby monitor is switched on.

## Fast access to numbers and functions

**Number keys:** It is possible to assign a **number from the directory** to the keys **2** to **9**.

**Display keys:** The left and right display keys have a **function** preset by default, but the keys can be re-assigned.

You can then dial the number or start the function by simply pressing a key.

### Assigning a number to digit keys (quick dial)





A number has not been assigned to the digit key.

▶ Press and **hold** the digit key

or

▶ **Briefly** press the digit key ▶ Press the display key **QuickDial**

The directory opens.

▶ ... use  to select an entry ▶ **OK** ▶ ... use  to select a number if necessary ▶ **OK** ... the entry is saved to the digit key



If the entry in the directory is deleted later, this will not affect the assignment of the digit key.

### Dialling a number

▶ Press and **hold** the digit key ... the number is dialled immediately

or

▶ **Briefly** press the digit key ... the number/name (possibly in abbreviated form) is shown on the left display key ▶ ... press the display key ... the number is dialled

### Changing the digit key assignment

▶ **Briefly** press the digit key ▶ **Change** ... the directory is opened ... possible options:


Change the assignment:


▶ ... use  to select an entry ▶ **OK** ▶ ... select a number if required ▶ **OK**


Delete the assignment:

▶ **Clear Key**

### Assigning display keys, changing assignments

- ▶ Press and **hold** the left or right display key in idle status ... the list of possible key assignments is opened ▶ ... use  to select function ▶ **OK** ... possible options:

<b>Quick Dial</b>	Assign a number from the directory to the display key
<b>Baby Monitor</b>	Set and activate/deactivate baby monitor
<b>Alarm Clock</b>	Set and activate/deactivate the alarm clock
<b>Calendar</b>	Open calendar
<b>One Touch Call</b>	Set up one touch call
<b>Bluetooth</b>	Open Bluetooth menu
<b>Redial</b>	Show redial list
<b>More Functions...</b>	▶ <b>OK</b> ▶ ... use  to select other function
<b>Call Lists</b>	Show call list
<b>Withhold Number</b>	Withhold phone number identification for next call
<b>Call Divert</b>	Activate/deactivate Call Divert









 The availability of options depends on the base.

### Starting a function

With the telephone in idle status: ▶ **Briefly** press ... the assigned function is executed

### Changing the name of a connection (line)










(only on a CAT-iq router)

- ▶  ▶ ... use  to select  **Settings** ▶ **OK** ▶  **Telephony** ▶ **OK** ▶   
**Connections** ▶ **OK** ... all available connections (lines) are displayed ▶ ... use  to select connection ▶ **OK** ▶  **Connection Name** ▶ **OK** ▶ ... use  to change the name of the connection ▶ **Save**

### Assigning handsets to a connection (line)

(only on a CAT-iq router)








Multiple handsets can be assigned to a connection. Incoming calls to the number designated to a connection will be forwarded to all handsets assigned to the connection.

- ▶  ▶ ... use  to select  **Settings** ▶ **OK** ▶  **Telephony** ▶ **OK** ▶   
**Connections** ▶ **OK** ▶ ... use  to select connection ▶ **OK** ▶  **Assigned Handsets** ... all registered handsets are displayed ▶ ... use  to select handset ▶ **Change**  = handset is assigned)

## Permit/prevent multiple calls

(only on a CAT-iq router)






If the function is activated, multiple calls can be made in parallel.

- ▶  ▶ ... use  to select  **Settings** ▶ OK ▶  **Telephony** ▶ OK ▶  **Connections** ▶ OK ▶ ... use  to select connection ▶ OK ▶  **Multiple Calls** ▶ **Change**  = on)

## Permit/prevent internal listening in


(only on a CAT-iq router)

If the function is enabled, an internal party can listen in to an external call and take part in the conversation (conference).

- ▶  ▶ ... use  to select  **Settings** ▶ OK ▶  **Telephony** ▶ OK ▶  **Listening In** ▶ OK ▶ **Change**  = on)

## Handset update

The handset supports firmware updating via the DECT radio link to the base/router (SUOTA = Software Update Over The Air).






-  The base/router to which the handset is registered must also support this function (→ [www.gigaset.com/compatibility](http://www.gigaset.com/compatibility))

If your base/router does not support this function, you can also update the firmware via a USB cable and **Gigaset Quick Sync**.

If new firmware is available for the handset a message to this effect will be displayed.

- ▶ Start the firmware update with **Yes**.

Start the firmware update manually:





- ▶  ▶ ... use  to select  **Settings** ▶ OK ▶  **System** ▶ OK ▶  **Handset Update** ▶ OK ▶ **Update** ▶ OK ▶ OK ... if there is new firmware, the update will start



The update process may take up to 30 minutes. During this time, only restricted handset use is available.

### Resetting the handset to the default settings

Reset any individual settings and changes that you have made.

▶  ▶ ... use  to select  **Settings** ▶ OK ▶  **System** ▶ OK ▶  **Handset**  
**Reset** ▶ OK ▶ Yes ... the handset's settings are reset



The following settings are **not** affected by a reset

- Registration of the handset to the base station
- Date and time
- Directory entries and call lists



# Appendix

## Customer Service & Assistance

Do you have any questions? As a Gigaset customer, you can find help quickly in this User Manual and in the service section of our Gigaset online portal [www.gigaset.com/service](http://www.gigaset.com/service).

Please register your phone online right after purchase.

This enables us to provide you with even better service regarding questions or a warranty claim. In order to contact our customer service via email, please use the email contact form from our Gigaset online portal after selecting your home country.

Our representatives are also available on the telephone hotlines for consultation.

Australia -----	<b>+61 1300 780 878</b>	Jordan -----	<b>00962 6 5625460/1/2</b>
Austria -----	<b>0043 1 311 3046</b>	Kuwait -----	<b>+965 -22458737/22458738</b>
Bahrain -----	<b>31 73 11 173</b>	Lebanon-----	<b>+9611240259/</b>
Belgium -----	<b>07815 6679</b>	-----	<b>+9611236110</b>
Bosnia Herzegovina -----	<b>033 276 649</b>	Luxembourg -----	<b>(+352) 8002 3811</b>
Brazil -----		Malaysia -----	<b>+603-8076 9696</b>
Grandes Capitais e Regiões Metropolitanas:		Malta -----	<b>+39 02360 46111 (0,10 €)</b>
-----	<b>4003 3020</b>	Mexico -----	
-----	-(Preço de uma ligação local)	-----	<b>01800 999 4442738 (01800 999 GIGASET)</b>
Demais localidades:		Netherlands -----	<b>0900-3333102</b>
-----	<b>0800 888 3020</b>	New Zealand -----	<b>0800 780 878</b>
-----	-(Gratuito)	Norway-----	<b>+47 2231 0845</b>
Bulgaria -----	<b>+359 2 9710666</b>	Oman -----	<b>+968 70928 Ext. 49/21/75</b>
Canada -----	<b>1-866 247-8758</b>	Poland -----	<b>801 140 160</b>
China -----	<b>0 21 400 670 6007 (RMB 0.11)</b>	Portugal -----	<b>(+351) 308 804 760</b>
Croatia -----	<b>01 / 2456 555</b>	-----	-(custo de uma chamada local)
Czech Republic-----	<b>233 032 727</b>	Romania-----	<b>+40 021 204 9130</b>
Denmark -----	<b>+45 43682003</b>	Russia -----	<b>8-800 333 4956</b>
Finland -----	<b>+358 (0)9725 19734</b>	Serbia -----	<b>0800 222 111</b>
France-----	<b>(0)1 57 32 45 22</b>	Singapore-----	<b>6735 9100</b>
Germany-----	<b>02871 / 912 912</b>	Slovak Republic -----	<b>044 5567 988</b>
Greece -----	<b>+30 2111 98 1778</b>	Slovenija-----	<b>+386 (1) 5466 511</b>
Hong Kong -----	<b>2763 0203</b>	South Africa -----	<b>0800 98 08 42</b>
-----	2389 7285	Spain -----	<b>902 103935</b>
Hungary -----	<b>06(1)267-2109</b>	Sweden -----	<b>+46 (0)8502 52347</b>
India -----	Please refer to your	Switzerland -----	<b>0848 212 000</b>
-----	local warranty card	Taiwan -----	<b>02 266 24343</b>
Indonesia -----	<b>(62-21) 5673813</b>	Turkey -----	<b>Son kullanıcı için +90 212 888 6346</b>
-----	<b>(62-21) 888856000</b>	<b>Bayi için +90 212 888 6347</b>	
Ireland -----	<b>0818 200 033</b>	Ukraine-----	<b>+380-44-451-71-72</b>
Italy -----	<b>02.600.630.45</b>	United Arab Emirates -----	<b>+97144458255</b>
(il numero è di tipo "urbano nazionale" e può essere		-----	<b>+97144458254</b>
chiamato da qualunque operatore di rete fissa o		United Kingdom-----	<b>020 36953111</b>
mobile. Il costo della chiamata è inerente al proprio		USA -----	<b>1-866 247-8758</b>
piano tariffario definito con l'operatore telefonico, ad		-----	tollfree
esempio in caso di un contratto con tariffa FLAT, non			
ci sono costi aggiuntivi per la chiamata a questo			
numero, in quanto si tratta di un numero urbano			
nazionale).			

Please have your record of purchase ready when calling.

Replacement or repair services are not offered in countries where our product is not sold by authorised dealers.

### Exclusion of liability

Your handset's display consists of pixels. Each pixel consists of three sub-pixels (red, green, blue). It may be the case that a sub-pixel is missing or has a colour deviation.  
A warranty claim is only valid if the maximum number of permitted pixel errors is exceeded.

Description	Maximum number of permitted pixel errors
Colour illuminated sub-pixels	1
Dark sub-pixels	1
Total number of coloured and dark sub-pixels	1



Signs of wear on the display and casing are excluded from the warranty.

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## Manufacturer's advice

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### Authorisation

This device is intended for use worldwide. Use outside the European Economic Area (with the exception of Switzerland) is subject to national approval.

Country-specific requirements have been taken into consideration.

Hereby, Gigaset Communications GmbH declares that the radio equipment type Gigaset SL450HX is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

[www.gigaset.com/docs](http://www.gigaset.com/docs).

This declaration could also be available in the "International Declarations of Conformity" or "European Declarations of Conformity" files.

Therefore please check all of these files.

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## Environment

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### Environmental management system



Gigaset Communications GmbH is certified pursuant to the international standards ISO 14001 and ISO 9001.

**ISO 14001 (Environment):** Certified since September 2007 by TÜV SÜD Management Service GmbH.

**ISO 9001 (Quality):** Certified since 17/02/1994 by TÜV SÜD Management Service GmbH.

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## Disposal

Batteries should not be disposed of in general household waste. Observe the local waste disposal regulations, details of which can be obtained from your local authority.

All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.



This crossed-out wheeled bin symbol on the product means the product is covered by the European Directive 2012/19/EU.

The correct disposal and separate collection of your old appliance will help prevent potential negative consequences for the environment and human health. It is a precondition for reuse and recycling of used electrical and electronic equipment.

For more detailed information about disposal of your old appliance, please contact your local council refuse centre or the original supplier of the product.

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## Care

Wipe the device with a **damp** cloth or an antistatic cloth. Do not use solvents or microfibre cloths.

**Never** use a dry cloth; this can cause static.

In rare cases, contact with chemical substances can cause changes to the device's exterior. Due to the wide variety of chemical products available on the market, it was not possible to test all substances.

Impairments in high-gloss finishes can be carefully removed using display polishes for mobile phones.

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## Contact with liquid

If the device comes into contact with liquid:

- 1 **Disconnect the power supply.**
- 2 **Remove the batteries and leave the battery compartment open.**
- 3 Allow the liquid to drain from the device.
- 4 Pat all parts dry.
- 5 Place the device in a dry, warm place **for at least 72 hours (not in a microwave, oven etc.)** with the battery compartment open and the keypad facing down (if applicable).
- 6 **Do not switch on the device again until it is completely dry.**

When it has fully dried out, you will normally be able to use it again.

## Technical data

### Battery

Technology:	lithium ion (Li-Ion)
Voltage:	3.7 V
Capacity:	750 mAh

### Handset operating times/charging times

The operating time of your Gigaset depends on the capacity of the battery, its age and the way it is used. (All times are maximum possible times.)

Standby time (hours)	200/160 *
Talktime (hours)	12
Operating time with 1.5 hours of calls per day (hours)	110/85 *
Charging time in charging cradle (hours)	2.5

\* No Radiation deactivated/activated, without display backlight in idle status

### Power consumption of the handset in the charging cradle

When charging:	approx. 4.5 W
To maintain the charge status:	approx. 0.3 W








### General specifications

DECT standard	Supported
CAT-iq standard	Certified in accordance with standard CAT-iq 2.0 with HD Voice <a href="http://www.dect.org/cat-iq-certification.aspx">www.dect.org/cat-iq-certification.aspx</a>
GAP standard	Supported
No. of channels	60 duplex channels
Radio frequency range	1880-1900 MHz
Duplex mode	Time division multiplexing, 10 ms frame length
Repetition frequency of the transmission pulse	100 Hz
Duration of the transmission pulse	370 µs
Channel grid	1728 kHz
Bit rate	1152 kbit/s
Modulation	GFSK
Language code	32 kbit/s
Transmission power	10 mW average power per channel, 250 mW pulse power
Range	Up to 50 m indoors, up to 300 m outdoors
Environmental conditions for operation	+5 °C to +45 °C; 20% to 75% relative humidity
Bluetooth: Radio frequency range	2402-2480 MHz
Bluetooth: Transmission power	4 mW pulse power



## Display icons







The following icons are displayed depending on the settings and the operating status of your telephone.




### Icons in the status bar

Icon	Meaning
	Signal strength ( <b>No Radiation</b> off) 1% -100%
	white, if <b>Maximum Range</b> on; green, if <b>Maximum Range</b> off
	Red: no connection to the base station
	<b>No Radiation</b> activated: white, if <b>Maximum Range</b> on; green, if <b>Maximum Range</b> off
	Answer machine activated indicator flashes: Answer machine is recording a message or is being operated by another internal participant
	<b>Profile Silent</b> activated (Ringtone switched off)
	"Beep" ringtone activated

### Display key icons






Icon	Meaning
	Last number redial
	Delete text






Icon	Meaning
	Keypad lock activated
	Battery charge status: White: between 11% and 100% charged
	Red: less than 11% charged
	Flashes red: battery almost empty (approx. 5 minutes of talktime left)
	Battery is charging (current charge status): 0% - 100%
	

Icon	Meaning
	Open the directory
	Copy number to the directory
	Divert a call to answer machine




## Display icons




### Display icons to indicate ...

Icon	Meaning
	External call
	Internal call
	Establishing a call (outgoing call)
	Connection established
	No connection established/ connection terminated

Icon	Meaning
	Reminder for appointment
	Reminder for anniversary
	Alarm call
	Countdown timer
	Answer machine is recording

### Other display icons

Icon	Meaning
	Alarm clock is activated, display with alarm time
	Action complete (green)
	Action failed (red)

Icon	Meaning
	Information
	(Security) prompt
	Please wait ...

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