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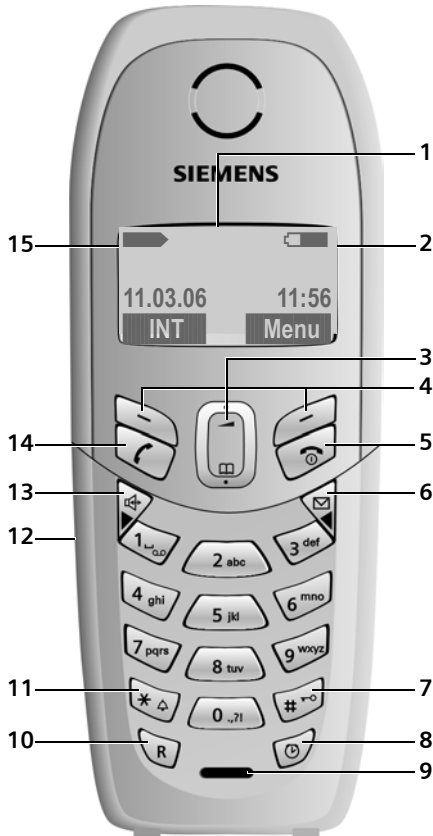
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[www.siemens.com/gigaset](http://www.siemens.com/gigaset)

**Gigaset C450 IP**

**Gigaset**

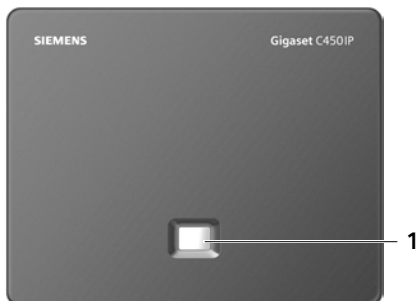
## The handset at a glance



## Handset keys

- 1 **Display** in idle status (example)
- 2 **Battery charge status**  
  - (1/3 charged to fully charged)
  - flashes: battery nearly empty
  - flashes: battery charging
- 3 **Control key** (page 17)
- 4 **Display keys** (page 18)
- 5 **End call key, On/Off key**  
 End call, cancel function, go back one menu level (press briefly), back to idle status (press and hold), activate/deactivate handset (press and hold in idle status)
- 6 **Message key**  
 Open calls and message lists  
 Flashes: new message or new call
- 7 **Hash key**  
 Keypad lock on/off (press and hold, page 17)  
 Toggle between upper/lower case letters and digits for text entry
- 8 **Alarm clock key** (page 24)  
 Activate/deactivate the alarm clock
- 9 **Microphone**
- 10 **Recall key** (not for VoIP connections)  
 Enter flash (press briefly)  
 Insert a pause (press and hold)
- 11 **Star key**  
 Ringer tones on/off (press and hold in idle status)
- 12 **Connection socket for headset**
- 13 **Handsfree key**  
 Switch between earpiece and handsfree mode  
 Lights up: handsfree talking activated  
 Flashes: incoming call
- 14 **Talk key**  
 Accept a call, open last number redial list (press briefly in idle status), select connection type and start dialling (press briefly/press and hold after entering the number)
- 15 **Signal strength**  
  - (low to high)
  - flashes: no reception

## Base station at a glance



## Base station key

- 1 **Paging key**  
 Lights up: LAN connection active (phone is connected to router)  
 Flashes: data transfer to LAN connection  
 Press **briefly**: start paging  
 Press and **hold**: set base station to registration mode

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# Safety precautions

## Caution:

Read the safety precautions and the user guide before use.

Explain their contents to your children, and the potential hazards associated with using the telephone.



Only use the mains adapter supplied, as indicated on the underside of the base station.



Fit only the **recommended rechargeable batteries (page 30)** of the same type! This means that you must never use any other battery type or non-rechargeable batteries as this could result in significant health risks and personal injury.



Insert rechargeable batteries with the correct polarity, and use them according to this user guide (polarity symbols can be seen in the handset's battery compartment, page 6).



The operation of medical appliances may be affected. Be aware of the technical conditions in your particular environment, e.g. doctor's surgery.



Do not hold the rear side of the handset to the ear when it rings or when you have activated on the handsfree function. Otherwise you risk serious and permanent damage to your hearing.

The handset may cause an unpleasant humming noise in hearing aids.



Do not install the base station in bathrooms or shower rooms. The handset and base station are not splashproof (page 28).



Do not use your phone in environments subject to explosion hazard, e.g. paint shops).



If you give your Gigaset to someone else, make sure you also give them the user guide.



All electrical and electronic devices should be disposed of separately from general household waste using the places designated by local authorities.

If this symbol showing a crossed-out rubbish bin appears on a product, this product is subject to the European Directive 2002/96/EC.

The appropriate disposal and separate collection of used devices serve to avoid potential damage to the environment and to health. They are a precondition for the re-use and recycling of used electrical and electronic devices.

For further information on disposing of your used device, please contact your local authority, your refuse collection service or the dealer you purchased the product from.

## Please note:

**Emergency numbers cannot be dialled if the key lock is activated!**

Not all of the functions described in this manual are available in all countries.

## Gigaset C450 IP – more than just making calls

Your phone lets you make calls both via the fixed network and (cost effectively) via the Internet (VoIP) **without using a PC**.

And your phone can do much more besides:

- ◆ **Press a button** each time you make a call to indicate whether you want to make a call via the fixed network or via the Internet (page 16).
- ◆ Register up to **six** handsets on your base station. Your base station allows you to use one handset to make a call via the fixed network and another to make a call via the Internet at the same time.
- ◆ Use the Gigaset.net for VoIP calls. Connect your phone to the power supply and the Internet, and enjoy free phone calls on the Gigaset.net – no need to make any other settings (page 18).
- ◆ Configure the phone connection for VoIP without a PC. Your phone's connection wizard downloads general data about your VoIP provider from the Internet and guides you through entering your personal data (account). This makes it easy for you to start using VoIP (page 10).
- ◆ Establish any further required VoIP settings on a PC. The phone has a Web interface (**Web configurator**) that can be accessed via your PC's Web browser (page 26).
- ◆ Assign your own password (system PIN) to protect your device and the Web configurator from unauthorised access (page 24).
- ◆ Send and receive SMS messages via the fixed network (page 22).
- ◆ Save 100 phone numbers on your handset (page 20).
- ◆ You can programme the keys of your phone with important phone numbers.

The phone number is then dialled by simply pressing the respective key (page 20).

- ◆ Keep your hands free when making a call. Use the handsfree function on your handset (page 16) or use the convenient headset to make calls (accessory: not included in the scope of delivery).
- ◆ Make sure your phone is always up-to-date. Arrange to be informed about **firmware updates** on the Internet and download these onto your phone.
- ◆ Use your handset as an alarm clock (page 24).

For more information, please see the full user guide for your Gigaset C450 IP on the Internet at [www.siemens.com/gigaset](http://www.siemens.com/gigaset).

Your Gigaset C450 IP has a protected operating system that offers increased security **against viruses** from the Internet.

**Have fun using your new telephone!**

## VoIP – Making calls via the Internet

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With VoIP (Voice over Internet Protocol), your calls are not made via a fixed connection as in the telephone network, but rather they are transmitted via the Internet in the form of data packets.

You can take advantage of all the benefits of VoIP with your phone:

- ◆ You can make cost-effective calls with high voice quality with subscribers on the Internet, the fixed network or the mobile phone network.
- ◆ Your VoIP provider will give you a personal number, with which you can be reached from the Internet, the fixed network and any mobile phone network.

To be able to use VoIP, you need the following:

- ◆ A broadband Internet connection (e.g. DSL) with flat rate or volume-based price.
- ◆ Internet access, i.e. you need a router that will connect your phone to the Internet. You can find a list of recommended routers on the Internet at: <http://siemens.com/qigaset>
- ◆ Access to the services of a VoIP provider. Open an account with a VoIP provider.

## First Steps

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### Pack contents

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The pack contains:

- ◆ one Gigaset C450 IP base station
- ◆ one Gigaset C45 handset
- ◆ one mains adapter for the base station
- ◆ one charging cradle incl. mains adapter
- ◆ one phone cord
- ◆ one Ethernet cable (LAN cable)
- ◆ two batteries
- ◆ one battery cover
- ◆ one belt clip
- ◆ one quick guide

### Documentation

A more detailed description of your Gigaset C450 IP and your Web configurator is available on the Internet at:

[www.siemens.com/qigaset](http://www.siemens.com/qigaset)

This full description is in PDF format. You will need Adobe® Reader® to view these documents. Adobe® Reader® is available on the Internet at [www.adobe.com](http://www.adobe.com).

## Setting up the handset for use

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

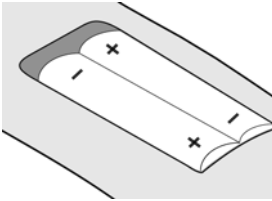
## Inserting the batteries

### Caution:

Use only the rechargeable batteries recommended by Siemens on page 30! This means that you must never use conventional (non-rechargeable) or other battery types as this could result in significant health risks and damage to property. For example, the outer casing of the batteries could be destroyed or the batteries could explode. The phone could also malfunction or be damaged as a result of using batteries that are not of the recommended type.

- ▶ Insert the batteries the right way round (see figure).

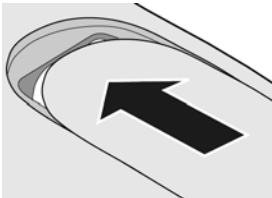
The polarity is indicated in the battery compartment.



The handset switches on automatically.  
You will hear a confirmation tone.

## Closing the battery cover

- ▶ Place the cover on the battery compartment as shown in the diagram, then push it up until it clicks into position.



## Opening the battery cover

- ▶ Press down on the battery cover below its upper end and slide the cover down.

## Connecting the charging cradle




Connecting the charging cradle and mounting it on the wall (if required) is described at the end of this user guide.

- ▶ To charge the batteries, leave the handset in the charging cradle.

### Please note:

- Only place the handset in the charging cradle that is intended for it.
- If the handset has switched itself off because the batteries are flat and if it is then placed in the charging cradle, it will switch itself on automatically.

## Initial charging and discharging of batteries

Battery charging is indicated in the top right of the display by a flashing battery icon ,  or . During handset operation, the battery icon indicates the charge status of the batteries (page 1).

The correct charge status can only be displayed when the batteries are first fully charged **and** discharged through use.

- ▶ To do this, leave the handset in the charging cradle without interruption until the battery icon stops flashing in the display (approx. 13 hours).
- ▶ Once the batteries are fully charged, remove the handset from the charging cradle and do not put it back again until the batteries are fully discharged.

### Please note:

After the first battery charge **and** discharge, you may replace your handset in the charging cradle after every call.


**Please note:**

- ◆ Always repeat the charging and discharging procedure if you remove the batteries from the handset and insert them in again.
- ◆ The batteries may warm up as they are charging. This is not dangerous.
- ◆ After a while the charge capacity of the batteries will decrease for technical reasons.


**Setting the date and time**

**Menu** → **Settings** → **Date/Time**



Enter the day, month and year with 6 digits and press **OK**. Use  to move between the fields.



Enter hours and minutes with 4 digits (e.g. 07 15 for 07.15 hrs) and press **OK**. Use  to move between the fields.

The date and time are shown in the handset's idle display (page 1).

**Registering the handset to the base station**

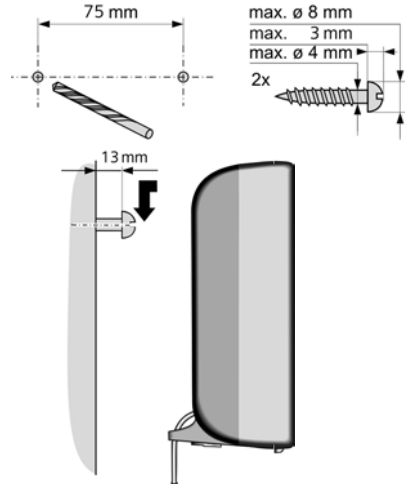
Your handset is registered to the base station by default.

For how to register other handsets to the base station and make internal calls free of charge, please see the full user guide (page 5).

**Installing the base station**

The base station is designed for use in closed, dry rooms with a temperature range of +5 °C to +45 °C.

- ▶ Install/hang your base station at a central point in the house.

**Mounting the base station on a wall****Please note:**

- ◆ Never expose the telephone to heat sources, direct sunlight or other electrical appliances.
- ◆ Protect your Gigaset from moisture, dust, corrosive liquids and vapours.



## Connecting the base station

fixed network and the Internet, see Figure 1.

In order to be able to make calls with your phone via the fixed network and via VoIP, you must connect the base station to the

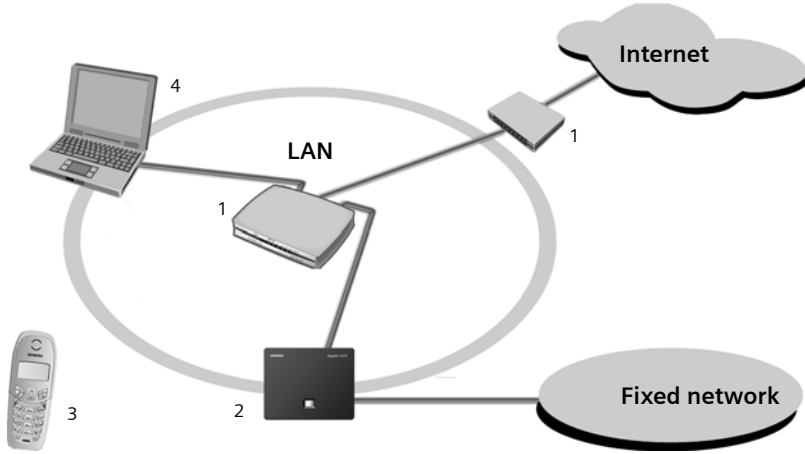


Figure 1 Connecting the phone to the fixed network and the Internet

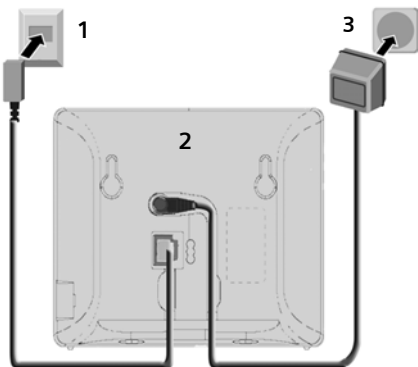
- 1 Internet connection:  
Router with integrated modem or  
router and modem
- 2 Gigaset C450 IP base station
- 3 Gigaset C45 handset
- 4 PC in LAN

Follow the steps in the order given below:

1. Connect the base station with the fixed network phone connection
2. Connect the base station with the mains power supply
3. Connect the base station with the router

## Connecting the base station with the fixed network and the mains power supply

- ▶ Please first connect the phone jack and then the mains adapter, as shown below.

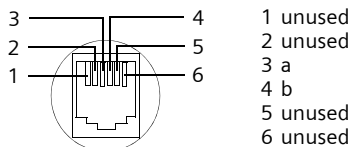


- 1 Phone jack with phone cord
- 2 Underside of the base station
- 3 Mains adapter 230 V

### Please note:

- ◆ Keep the mains adapter **plugged in at all times** for operation, as the phone does not work without mains connection.
- ◆ If you buy a replacement phone cord from a retailer, ensure that the phone jack is connected correctly.

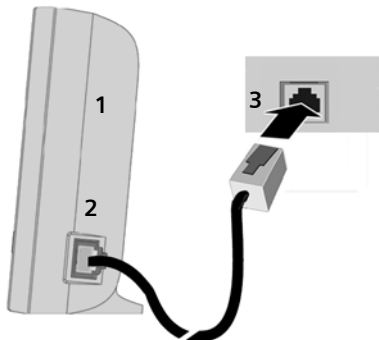
### Correct phone jack assignment



You can now use your phone to make calls via the fixed network and can be reached at your fixed network number!

## Connecting the base station with the router

For Internet access you need a router, connected to the Internet via a modem (if necessary, this can be integrated in the router).



- 1 Side view of the base station
- 2 Network plug (LAN) with network cable
- 3 Router network plug

As soon as the cable connecting the phone and router is plugged in, the paging key lights up on the front of the base station.

You are now able to make VoIP connections within the Gigaset.net (page 18).

## Making settings for VoIP telephony

Before you can use the Internet (VoIP) to phone any other users on the Internet, the fixed network or the mobile phone network, you need the services of a VoIP provider who supports the VoIP SIP standard.

**Precondition:** You have registered with a VoIP provider (e.g. via your PC) and set up an account.

The following phone settings are necessary in order for you to use VoIP. You will receive all information from your VoIP provider.

- ◆ Your user name with the VoIP provider, if this is required by the VoIP provider
- ◆ Your registration name
- ◆ Your password with the VoIP provider
- ◆ VoIP provider general settings

The connection wizard will help you with the settings.


### Starting the connection wizard

**Precondition:** The base station is connected to the mains power supply and the router. Your router is connected to the Internet.

**Tip:** If VoIP (IP) is activated as the default connection for your phone (default setting page 25), the phone will attempt to make a direct connection to the server belonging to your VoIP provider after the connection wizard is closed. If incorrect/incomplete information means that the connection cannot be made, messages will be displayed (page 11).

#### Please note:

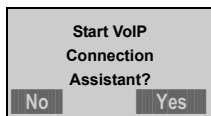
Your phone is preconfigured for dynamic assignment of the IP address. In order for your router to "recognise" the phone, dynamic IP address assignment (the router's DHCP server) must also be activated on the router.

Once the handset battery is sufficiently charged, the message key  on the hand-

set will flash (around 20 minutes after you have put the handset in the charging cradle).

▶ Press the message key .

You will see the following display:



**Yes**

Press the display key to start the connection wizard.



Enter the system PIN of the base station (the default is 0000) and press **OK**.

#### Please note:

The connection wizard will also start automatically if you try to establish a connection via the Internet, before you have made the necessary settings.

You can also call up the connection wizard at any time via the menu (page 15).

### Downloading VoIP provider data

The phone establishes a connection with the Siemens server on the Internet. Profiles with general access data for various VoIP providers can be downloaded here. The message **Select country** is displayed.

After changing the display:



Select country and press **OK**.

**Select provider** is displayed.

After changing the display:



Select VoIP provider and press **OK**.

The necessary data for your VoIP provider is downloaded and saved on the phone.

#### Please note:

If the data for your VoIP provider is not available for download, you must make the necessary settings with the Web configurator at a later stage (page 26).

Press the display key **Back** to carry out the following steps of the connection wizard (see "Entering VoIP user data").

## Entering VoIP user data

Depending on the VoIP provider, the following information will be requested in sequence:

### Username:

If this is required by your provider, enter name and press **OK**.

### Authentication Name:

Enter name and press **OK**.

### Authentication Password:

Enter password and press **OK**.

#### Please note:

Please note when making these entries that the VoIP user data is case sensitive. Press and hold the #\* key if necessary to switch between upper/lower case text and numerical entry.

If you have made all the necessary entries, the Gigaset.net wizard is started. You have the option of entering yourself in the **Gigaset.net** online directory with a name.

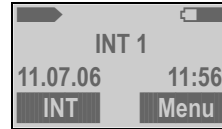
This step is only carried out when you are getting started (when the connection assistant is started up for the first time). You can also create the entry via the Gigaset.net directory (page 19).

For more information on this, please see the full user guide on the Internet at: [www.siemens.com/gigaset](http://www.siemens.com/gigaset).

## Completing the VoIP settings

Once all the necessary entries have been made, the handset reverts to idle status.

If all the settings are correct and if the phone can make a connection to the VoIP server, then the internal name of the handset will be displayed:



**You can now use your phone to make calls via the fixed network and the Internet! Callers can reach you on your fixed network number and your VoIP number!**

#### Please note:

To ensure that you can always be reached via the Internet, the router should be permanently connected to the Internet.

### No connection to the Internet/VoIP server

If one of the following messages is displayed instead of the internal name after the connection wizard is closed, then either a fault has occurred or your information was incomplete:

#### Server not accessible!

The phone has no connection to the Internet.

- ▶ Check the cable connection between the base station and the router (the LED on the base station must light up) and the connection between the router and the modem/Internet connection.
- ▶ Check whether the phone is connected to the LAN.
  - It may not have been possible to dynamically assign an IP address to the phone

## First Steps

or

- You have assigned a static IP address to the phone that has either already been assigned to another LAN subscriber or does not belong to the router's address block.
- ▶ Find the IP address using the handset menu:
  - Menu** → **Settings** → **Base**  
→ **Local Network** → (enter system PIN) → **IP Address**
- ▶ Start the Web configurator with the IP address (page 26).
- ▶ If no connection can be established: change the settings on the router (activate DHCP server) or the phone's (static) IP address.

### SIP registration failed!

- ◆ Your personal data for registering with the VoIP provider may have been entered incompletely or incorrectly.
  - ▶ Check your entries for **Username**, **Authentication Name** and **Authentication Password**. Particularly check your use of upper and lower case. To do this, open the following menu on your handset:
    - Menu** → **Settings** → **Base**  
→ **Telephony** → **VoIP**
- ◆ The server address for the VoIP server has not yet been entered, or has been entered incorrectly.
  - ▶ Start the Web configurator.
  - ▶ Open **Settings** → **Telephony** → **VoIP** Web page.
  - ▶ Edit the server address where necessary.


### Please note:

If port forwarding is activated on your router for the ports that have been registered as the SIP port (Standard 5600) and the RTP port (Standard 5004), then it makes sense to switch off DHCP and assign the phone a static IP address (otherwise you may not be able to hear the other party during VoIP calls), see page 25.

Please note that the IP address and subnet mask depend on the router's address block. You must also enter the default gateway and DNS server via the Web configurator (page 26). The IP address for the router is generally entered here.

# Menu tree

There are two ways to select a function:

- ◆ Using the number combinations in the following menu tree ("shortcut")
  - ▶ **Example:** **Menu** 4 2 2 for "Set handset language".
- ◆ Scrolling through the menus
  - ▶ Press **Menu**, scroll to the function with the control key  and press **OK**

## 1 SMS

1-1	Write Message				
1-2	Incoming 00+00				
1-3	Outgoing				
1-6	Settings	1-6-1	Service Centres	1-6-1-1	Service Centre 1
				...	[to]
				1-6-1-4	Service Centre 4
		1-6-2	Status Report		

## 2 Alarm Clock

2-1	Activation
2-2	Wake up time

## 3 Audio Settings

3-1	Ringer Volume		
3-2	Ringer Melody	3-2-1	External Calls
		3-2-2	Internal Calls
		3-2-3	Alarm Clock
3-3	Advisory Tones		
3-4	Battery Low	3-4-1	Off
		3-4-2	On
		3-4-3	During Call

## Menu tree

### 4 Settings

4-1	Date/Time				
4-2	Handset	4-2-1	Display	4-2-1-1	Screensaver
				4-2-1-2	Colour Scheme
				4-2-1-3	Contrast
				4-2-1-4	Backlight
		4-2-2	Language		
		4-2-3	Auto Answer		
		4-2-4	Register Handset		
		4-2-5	Reset Handset		
4-3	Base	4-3-2	Music on hold		
		4-3-3	System PIN		
		4-3-4	Base Reset		
		4-3-5	Additional Features	4-3-5-1	Repeater Mode
		4-3-6	Local Network	4-3-6-1	dynamic IP address
				4-3-6-2	IP Address
				4-3-6-3	Subnet Mask
				4-3-6-4	DNS Server
				4-3-6-5	Default Gateway
		4-3-7	Telephony	Submenu see page 15	
		4-3-8	Firmware Update		

### 5 Voice Mail

5-1	Set Key 1	5-1-1	Network Mailbox
-----	-----------	-------	-----------------

### 6 Select Services \*

6-1	VoIP	6-1-6	For All Calls	6-1-6-1	Call Divert
6-2	Fixed line	6-2-6	For All Calls	6-2-6-1	Call Divert
				6-2-6-3	Call Waiting
		6-2-7	Cancel Ringback		

\* Please note: Following a firmware update, the network services are only displayed if you de-register and then reregister your handset.

### Submenu "Settings → Base → Telephony" 4-3-7

4-3-7	Telephony	4-3-7-1	Default Line Type	4-3-7-1-1	IP
				4-3-7-1-2	fixed line
		4-3-7-2	Connection Assistant		
		4-3-7-6	Fixed line	4-3-7-6-1	Dialling Mode
				4-3-7-6-2	Recall
		4-3-7-7	VoIP	4-3-7-7-1	Status on HS
				4-3-7-7-2	Select VoIP Provider
				4-3-7-7-3	Username
				4-3-7-7-4	Authentication Name
				4-3-7-7-5	Authentication Password

Not all menu points are described in this quick guide. For a comprehensive description, see the full user guide for your Gigaset C450 IP on the Internet at [www.siemens.com/gigaset](http://www.siemens.com/gigaset).





## Making calls with VoIP and the fixed network

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### Making an external call

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External calls are those that are made via the public telephone network (fixed network) or the Internet (VoIP). You can use the talk key  when dialling to select what type of connection you want to use (fixed network or VoIP). One particular connection type is set as the standard connection for your phone. The default is VoIP (this can be changed like other settings if required, see page 25).

- ▶ Enter the required number/IP address using the keypad.
- ▶ **Briefly** press the talk key  if you want to make a call via this default connection.


or:

- ▶ Press and **hold** the talk key  if you want to make the call via the other connection type.

#### Please note:



- To make a call in handsfree mode, you can also press briefly/press and hold the handsfree key  instead of the talk key .
- If you use a different GAP-compatible handset to the Gigaset C45, all calls will be made via the standard connection, even if you press and hold the talk key . If you want to use the non-standard connection to make a call, enter a star (\*) at the end of the number.
- If you use VoIP to make a call to the fixed network, you may also have to dial the area code for local calls (depending on the VoIP provider). You can avoid this by entering the area code in the configuration of the base station (via the Web configurator). It will then be inserted automatically for local calls.

### Cancelling the dialling operation

You can cancel the dialling operation with the end call key .


### Entering an IP address

Via VoIP you can also dial an IP address instead of a phone number.

- ▶ Press the star key \* to separate the IP address number blocks from each other (e.g. 149\*246\*122\*28).
- ▶ If necessary, press the hash key # to attach the SIP port number of the person you are calling to the IP address (e.g. 149\*246\*122\*28#5060).


### Ending a call

---



 Press the end call key.

### Answering a call

---

The handset indicates an incoming call in three ways: by ringing, by a display on the screen and by the flashing handsfree key .


You can answer the call by:

- ▶ Pressing the talk key .
- ▶ Pressing the handsfree key .



If the handset is in the charging cradle and the **Auto Answer** function is activated (page 14), the handset will take a call automatically when you lift it out of the charging cradle.

### Switching between earpiece and handsfree mode

---

- ▶ Press the handsfree key  to activate/deactivate handsfree talking during a call.

If you wish to place the handset in the charging cradle during a call:

- ▶ Hold down the handsfree key  while placing the handset in the charging cradle. If the handsfree key  does not light up, press the key again.

## Setting and dialling emergency numbers

You can save up to five emergency numbers on your phone. The default setting for your phone is that these emergency numbers are always dialled via the fixed network – irrespective of which connection type you select. The fixed network always supports general emergency numbers (e.g. establishing connection to the **local** police emergency number).

You can deactivate the setting for emergency numbers to always be dialled via the fixed network (**Dialling Plans**, page 27). However, you should ask beforehand, whether your VoIP provider supports emergency numbers (e.g. the local police emergency number).

You can enter or change emergency numbers in the Web configurator on the **Dialling Plans** Web page.

- ▶ Open the following Web page:  
**Settings** → **Telephony** → **Dialling Plans**.
- ▶ Enter your emergency numbers in the appropriate boxes in the **Emergency Numbers** section. Change emergency numbers that have already been entered.
- ▶ Click on **Set** to save the settings.

### Please note:

- You can use the Web configurator to display whether any emergency numbers are saved on your phone and, if so, which numbers.
- **Please note:** If you have used Web configurator to deactivate **Emergency calls always via fixed line** the function and then entered an automatic local area code for VoIP calls (**Settings** → **Telephony** → **Dialling Plans**), then the local area code will also be inserted before emergency numbers if they are dialled using VoIP.

## Operating the handset

### Switching the handset on/off

- ☎ Press and **hold** the end call key.

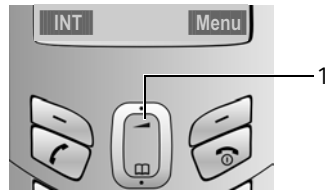
You will hear the confirmation tone.

### Activating/deactivating the keypad lock

- #\*☎ Press and **hold** the hash key.

You will hear the confirmation tone. The ☎ icon appears in the display when the keypad lock is activated.

### Control key



1 Control key

In this user guide, the side of the control key that you must press in the given operating situation is shown in black (top, bottom). Example: ☎ for "press the top of the control key".

The control key has a number of different functions:



#### When the handset is in idle status

- ☎ Open the directory.
- ☎ Adjust the ringer volume of the handset (page 23).



#### In lists and menus

- ☎ / ☎ Scroll up/down line by line.

### In an input field

 /  Move the cursor **left** or **right**.

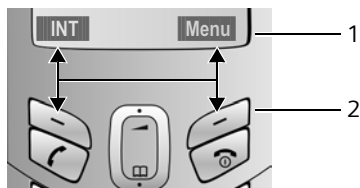
### During an external call

-  Open the directory.
-  Adjust loudspeaker volume for earpiece and handsfree mode.

## Display keys

The current display functions are shown in the bottom display line in reversed highlights. The function of the display keys changes depending on the particular operating situation.


Example:



- 1 Current display key functions
- 2 Display keys

## Returning to idle status

You wish to return to idle status from anywhere in the menu:

- ▶ Press the end call key  and hold.

Changes that you have not confirmed/saved by pressing **OK** will be rejected.

**For additional information on using your Gigaset C450 IP, please see the full user guide (page 5).**

## VoIP telephony via the Gigaset.net

You can use the Gigaset.net to make free phone calls via the Internet **directly** to other Gigaset.net users, without having to set up an account with a VoIP provider or make any further settings! You simply have to connect your phone to the power supply and the Internet connection and, if necessary, enter yourself in the Gigaset Net online directory under a name of your choice.

**Gigaset.net** is a VoIP service from Siemens Home and Office Communication Devices GmbH und Co KG, which all users of a VoIP phone that supports Gigaset.net can use.

Every Gigaset VoIP device is automatically assigned a Gigaset.net phone number.



### Exclusion of liability

Gigaset.net is a voluntary service provided by Siemens Home and Office Communication Devices GmbH & Co KG with no liability or warranty for the availability of the network. This service can be terminated at any time with a notice period of three months.

## Calling up the Gigaset.net directory


---

Your handset is in idle status.

- ▶ Open the directory with the  button.
- ▶ Select the <Gigaset.net> entry and press the talk key .

For information on how to find and call up phone numbers in the Gigaset.net directory, please see the full user guide on the Internet.

### Please note:

- Calls to the Gigaset.net directory are always **free of charge**.
- If the <Gigaset.net> entry has been accidentally deleted from your handset directory, dial **1188#9** (the Gigaset.net directory phone number) and press the talk key . Or create a new directory entry with this number.

## Entering your own name


---

You are connected to the Gigaset.net directory:

- ▶ Select **Menu** → **Own information** and press **OK**.

Your Gigaset.net number and, where applicable, your currently entered name are displayed.

**Edit** Press the display key.

 Enter/edit the name and press **OK**.

## Using the directory and lists


---

The options are:

- ◆ Directory
- ◆ Last number redial list
- ◆ SMS list
- ◆ Caller list

### Directory

---

- ▶ With the handset in idle status, open the directory by pressing the  key.

You can save 100 entries in the directory.

Length of an entry

Number: max. 32 digits

Name: max. 16 characters

#### Please note:

- You may also have to enter the phone number with the local area code for local calls when making VoIP calls to the fixed network (depending on the VoIP provider). You should therefore always save phone numbers in the directory with the area code.


Alternatively, you can also use Web configurator to define an area code, which is automatically inserted in front of all numbers that are dialled without an area code for calls made via VoIP.


- You can assign a number from the directory to a key for speed dialling.

### Storing a number in the directory

---

 → **Menu** → New Entry

 Enter number and press **OK**.  
If you add a star (\*) at the end of the number, then the number will always be dialled via the non-standard connection (page 25).

 Enter the name and press **OK**.

### Assigning a key

**Menu** → **Shortcut**

Assign the current entry for quick dial to 0 or one of the keys from 2 to 9.

To dial the number, press and **hold** the appropriate quick dial key.

If there is a star (\*) at the end of the assigned number in the directory, then the number will be dialled via the non-standard connection; otherwise the standard connection that has been set will always be used (page 25).

### Managing directory entries

---

You can use the directory menu to, e.g.:


- ◆ Change or delete entries or send them to another of the base station's handsets
- ◆ Delete the directory or send it to another handset
- ▶ Select a directory entry and press **Menu** to open the menu.

For additional information, please see the full user guide for your Gigaset C450 IP on the Internet at [www.siemens.com/gigaset..](http://www.siemens.com/gigaset..)

### Last number redial list


---

The last number redial list contains the ten numbers last dialled with the handset.

- ▶ **Briefly** press the talk key  to open the last number redial list.

## Opening lists with the message key


---


You can use the message key  to open the following lists:

- ◆ SMS list
- ◆ Network mailbox
 

If your network provider supports this function and the network mailbox is configured for fast access via key 1 (page 14).
- ◆ Calls list (precondition: Calling Line Identification enabled)
 

The numbers of the last 30 outgoing calls are saved. Multiple calls from the same number are only saved once (the last call).

An advisory tone sounds as soon as a **new message** arrives in a list. The message key  flashes. A message appears in the display.


If you press the flashing  key, you will see all the lists that contain new messages. If only one list contains new messages, this will be opened automatically.

### Please note:

If calls are saved in the network answering machine you will receive a message if the appropriate settings have been made (see the network mailbox instructions of your network provider).

## Opening list

---



 → If necessary, select list

 Select entry.

For additional information on the lists, please see the full user guide for your Gigaset C450 IP (page 5).

## Dialling with directory/list

---

- ▶ Open directory/list.
- ▶ Select entry with .
- ▶ Briefly press/press and hold the talk key  (page 16).

### Please note:

You can only dial IP addresses via VoIP.

## SMS (text messages)

Your unit is supplied ready for you to send SMS messages immediately.

When an SMS is sent, the base station automatically establishes a connection via the fixed network.

### Requirements:

- ◆ Calling Line Identification (CLIP) has been enabled for your telephone connection.
- ◆ Your network provider supports SMS in the fixed network (information on this can be obtained from your network provider).
- ◆ You are registered with your service provider to send and receive SMS.

#### Please note:

When you call up the SMS menu for the first time, you are automatically registered with accessible SMS centres whose number you have entered. You can then receive SMS from these SMS centres.

You can enter further SMS centres and register with them with the help of the registration wizard. To find out how to do this, please read the full user guide for your Gigaset C450 IP (page 5).

## Writing/sending/saving SMS



An SMS may contain up to 160 characters.

**Menu** → **SMS** → **Write Message**

 Write an SMS.

**Menu** **Send Text**

Select and press **OK**.

 /  Enter the number with dialling code (including your local area code) from the directory or key it in manually, and press **OK**.  
For SMS to an SMS mailbox: put the mailbox ID at the end of the number.  
The SMS is sent.

Or:

**Menu** → **Save Text**

Select and press **OK**.

The SMS is saved in the draft message list. You can later edit and send it.


Opening the draft message list: **Menu** → **SMS** → **Outgoing**.

#### Please note:


If you are interrupted by an external call whilst writing the SMS, it is automatically saved in the draft message list.

## Receiving/reading SMS

All received SMS messages are saved in the message list. Linked SMS messages are divided into individual SMS messages with a maximum of 153 characters, and saved as such in the incoming message list.

New SMS messages are signalled on all Gigaset C45 handsets by a message in the display, the flashing message key  and an advisory tone.

### Reading a text message

- ▶ Open the incoming message list with the message key  (page 21) or via **Menu** → **SMS** → **Incoming 01+05**.
- ▶ Select **SMS**
- ▶ Select **Menu** → **Read SMS** and press **OK**.

## Managing SMS lists

You can use the incoming message and draft message lists to, e.g.:

- ◆ Delete individual SMS or the entire list
- ◆ Forward or reply to an SMS
- ▶ Select SMS and press **Menu** to open the menu.

**For additional information, please see the full user guide for your Gigaset C450 IP on the Internet at [www.siemens.com/gigaset](http://www.siemens.com/gigaset).**

## Setting handset/base station

---

The handset and base station are preset, but you can change these settings to suit your individual requirements. You will find the relevant functions in the submenus **Menu** → **Settings** and **Menu** → **Audio Settings** (page 13).



The base station settings are carried out using a registered Gigaset C45 handset.

## Adjusting the loudspeaker volume

---


You can set the loudspeaker volume for handsfree talking to five different levels and the earpiece volume to three different levels. You can only adjust the loudspeaker volume during a call.

You are conducting an external call.

-  Press the control key.
-  Adjust the volume and press **OK**.

### Please note:

The handsfree volume can only be adjusted when this function is set.

If  is assigned a different function, e.g. toggling:

- Menu** Open menu.
  - Volume** Select and press **OK**.
- Make settings (see above).




## Setting the ringer volume

---

The ringer volume is the same for all types of ring.

**Menu** → **Audio Settings** → **Ringer Volume**

Or in idle status:


-  Press **briefly**.
- Then:
-  Adjust the volume and press **OK**.
-  Press and **hold** (idle status).

## Activating/deactivating the ringer tone

---

You can turn off the ringer tone on your handset before you take a call or while the phone is in idle status. You can take a call so long as it is displayed on the screen.

### Deactivating the ringer tone

- \*△ Press the star key **and hold** until the  icon appears in the display.

### Re-activating the ringer tone

- \*△ Press and **hold** the star key in idle status.

## Activating/deactivating advisory tones

---

**Menu** → **Audio Settings** → **Advisory Tones**  
Select and press **OK** (✓ = on).

All advisory tones are activated or deactivated.



## Using the handset as an alarm clock


---

### Activating/deactivating the alarm clock

---

**Menu** → Alarm Clock → Activation  
(✓ = on)

Or:

 Press the alarm clock key.

After you activate the alarm clock, the menu for setting the wake up time opens automatically (page 24).

### Setting the wake up time

---

**Menu** → Alarm Clock → Wake up time

▶ Enter the wake up time in hours and minutes, then press **OK**.

### When the alarm clock rings...

---

#### Alarm repeat after 5 minutes

**Snooze** Press the display key or any key.

If you press **Snooze** three times the alarm clock switches off for 24 hours.

#### Switching off the alarm clock for 24 hours


**Off** Press the display key.


## Changing the base station system PIN


---

You can change the base station's 4-digit default system PIN ("0000") to a 4-digit PIN known only to yourself.

**Menu** → Settings → Base → System PIN

 Enter current system PIN and press **OK**.

 Enter your new system PIN and press **OK**.

 Now re-enter the new system PIN and press **OK**.

For security reasons, "\*\*\*\*" is displayed instead of the numbers entered.

 Press and **hold** (idle status).

## Restoring the handset default settings

---

Each individual handset setting is reset, in particular the language, display, volume, ringer tone, advisory tones and alarm clock settings (page 23).

The last number redial list is cleared.

Entries in the directory, the date and time, the calls list and the handset's registration to the base station will be retained.

**Menu** → Settings → Handset  
→ Reset Handset

**OK** Press the display key to confirm.

 Press and **hold** (idle status).

Cancel the reset with .

## Restoring the base station to factory settings

---

### Resetting the base station via the menu

---

Each individual setting is reset, in particular:

- ◆ VoIP settings such as VoIP provider and account data and DTMF settings
- ◆ Settings for the local network (page 25)
- ◆ Default connection (page 25)
- ◆ The names of the handsets
- ◆ SMS settings (e.g. SMS centres)
- ◆ PABX connection settings.

SMS lists and calls lists are deleted.

The date and time and the system PIN are retained. The handsets are still registered.

**Menu** → **Settings** → **Base** → **Base Reset**

**OK** Press the display key to confirm.

### Resetting the base station using a key on the base station

---

As with resetting the base station via the menu, all individual settings are reset. The system PIN will also be reset to "0000" and all handsets registered above and beyond the delivery scope are deregistered.

#### Please note:

For information on how to reregister the handset after resetting it, where applicable, please see the full user guide for your Gigaset C450 IP on the Internet.

- ▶ Remove the cable connections from the base station to the router and fixed network.
- ▶ Remove the base station mains unit from the socket.
- ▶ Press and hold the registration/paging key (page 1).

- ▶ Plug the mains unit back into the power socket.
- ▶ Keep holding the registration/paging key (at least 10 sec.).
- ▶ Release the registration/paging key. The base station has now been reset.

## Setting the default connection

---

You can make settings according to whether you want to make calls via VoIP or fixed network by default.

**Menu** → **Settings** → **Base** → **Telephony**  
→ **Default Line Type**

IP / fixed line

Select and press **OK** (✓ = on).


**For additional information on the phone and VoIP settings, please see the full user guide for your Gigaset C450 IP on the Internet at [www.siemens.com/gigaset](http://www.siemens.com/gigaset).**

## Assigning the phone a fixed IP address

---

If DHCP is disabled on the router, you must assign the phone a fixed IP address and generally enter the router as the gateway to the Internet and DNS server.


**Menu** → **Settings** → **Base** → **Local Network**

 Enter the system PIN and press **OK**.

dynamic IP address (✓ = on)


Select and press **OK**.

IP Address Select and press **OK**.

 Enter the IP address and press **OK**. 192.168.2.2 has been preset by default.

Subnet Mask

Select and press **OK**.

 If necessary, enter the subnet mask and press **OK**. The default setting is: 255.255.255.000.

## Web configurator

**DNS Server** Select and press **OK**.



Enter the IP address of your preferred DNS server and press **OK**. This is generally the local IP address of your router. 192.168.2.1 has been preset.

### Default Gateway

Select and press **OK**.



Enter the IP address gateway to the Internet and press **OK**. This is generally the local IP address of your router. 192.168.2.1 has been preset.

**For more information on the phone and VoIP settings, please see the full user guide for your Gigaset C450 IP on the Internet.**

## Web configurator

The Web configurator is the Web interface for your handset. It allows you to make the settings for your phone's base station via your PC's Web browser.

### Requirements:

- ◆ A standard Web browser is installed on the PC, e.g. Internet Explorer version 6.0 or higher, or Firefox version 1.0.4 or higher.
- ◆ The phone and PC are connected to each other via a router or a switch.

## Connecting your PC to the Web configurator

- ▶ Launch the Web browser on your PC.  
**Precondition:** The Firewall settings on your PC allow the PC and the phone to communicate with each other.
- ▶ Enter the phone's IP address in the address field of the Web browser, e.g. http://192.168.1.10.  
You can check the phone's current IP address on the handset:  
**Menu** → **Settings** → **Base**  
→ **Local Network** → (enter System PIN)  
→ **IP Address**.
- ▶ Press the return key.

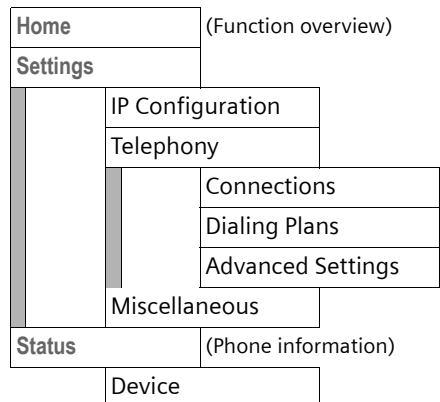
A connection is established to the phone's Web configurator.

## De-registering

In the menu bar at the top right of every Web page in the Web configurator, you will see the command **Log Off**. Click on **Log Off** to de-register from the Web configurator.

## Web configurator functions

### Menu tree



## Settings

With the Web configurator on your phone you have the following options:

### ◆ IP Configuration

Configure your phone access to the local network (IP address, gateway to the Internet).

You must enter the gateway and DNS server via the Web configurator, in particular when assigning your phone a static IP address. This is generally your router.

### ◆ Telephony → Connections

Configure your phone for VoIP.

Download your VoIP provider's general access data from the Internet to your phone or enter the data yourself.

Enter the personal access data of your VoIP account (VoIP phone number) with this VoIP provider.

Activate/deactivate this VoIP phone number as required.

The phone registers with the VoIP server using the activated VoIP phone number and can be reached at this number.

#### Please note:

For Gigaset C450IP base stations manufactured before June 2006, "VoIP" is displayed instead of "**Connections**" after a firmware update.

### ◆ Telephony → Dialing Plans

You can activate and deactivate the following dialling plans.

- In VoIP calls, all numbers that do not begin with 0 are automatically assigned an area code. Define this area code.
- The saved emergency numbers are always dialled via the fixed network. The saved emergency numbers are displayed. You can enter a phone number of your own.

### ◆ Telephony → Advanced Settings

- Specify port numbers that the phone should use for VoIP telephony.
- For VoIP, specify how DTMF signals are to be transferred and/or converted: either in voice packets or in SIP info packets. DTMF signalling is required for playing and controlling some network mailboxes, for example. Ask your VoIP provider which type of DTMF signalling is supported.

### ◆ Miscellaneous

Specify whether you want to be informed about new firmware versions on the Internet.

For the following firmware update, you can specify the server/PC by which the update should be carried out, and you can also load new firmware to your phone.

To diagnose VoIP connection problems, display the VoIP status codes on your handset.

**You will find information on the Web configurator in the full user guide for your Gigaset C450 IP on the Internet at [www.siemens.com/gigaset](http://www.siemens.com/gigaset).**

## Appendix

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### Care

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- ▶ Wipe the base station and handset with a **damp** cloth (do not use solvent) or an antistatic cloth.

**Never** use a dry cloth. This can cause static.

### Contact with liquid

---

If the handset has come into contact with liquid:

- ▶ **Switch the handset off and remove the batteries immediately.**
- ▶ Allow the liquid to drain from the handset.
- ▶ Pat all parts dry, then place the handset with the battery compartment open and the keypad facing down in a dry, warm place **for at least 72 hours** (not in a microwave, oven etc.).
- ▶ **Do not switch on the handset again until it is completely dry.**

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

## Questions and answers

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If you have any queries about the use of your phone, you can contact us any time at [www.siemens.com/gigasetcustomercare](http://www.siemens.com/gigasetcustomercare). You can also find information on common problems and possible solutions in the full user guide.

## Service (Customer Care)

You can get assistance easily when you have technical questions or questions about how to use your device by using our online support service on the Internet at:

<http://www.siemens.com/gigasetcustomercare>

This site can be accessed at any time wherever you are. It will give you 24/7 support for all our products. It also a list of FAQs and answers plus user guides for you to download. You will also find frequently asked questions and answers in the **Questions and Answers** section of this user guide in the appendix.

If the device needs to be repaired, please contact one of our Customer Care Centers:

Abu Dhabi.....	97 12 62 23 800	Malaysia.....	603 77124304
Argentina.....	0800-888-9878	Malta.....	+353 21 4940 632
Australia.....	1300 665 366	Mexico.....	01 80 07 11 00 03
Austria .05 17 07 50 04 (0,065 Euro/Min.)		Netherlands	
Bahrain.....	97 31 73 11 173	.....	.0900-3333102 (0,25 Euro/min.)
Belgium.....	0 78 15 66 79	New Zealand.....	08 00 27 43 63
Bosnia Herzegovina.....	033 276 649	Norway.....	22 70 84 00
Brazil.....		Oman.....	96 82 47 09 281
Grande Capitais e Regiões Metropolitanas:		Poland.....	0 801 140 160
.....	4003 3020	Portugal.....	(351) 214245145
.....	(US\$ 0,59)	Romania.....	02 12 04 60 00
Demais localidades:.....	0800 707 1248	Russia.....	8 (495) 228 1312
.....	(US\$ 0,59)	Serbia.....	01 13 07 00 80
Bulgaria.....	02 873 94 88	Singapore.....	62 27 11 18
Canada.....	701-355-3984	Slovak Republic	
China.....	0 21 400 670 6007	.....	02 59 68 22 66 (4,428 sk)
Croatia.....	016 10 53 81 (0,23 Kun)	Slovenija.....	0 14 74 63 36 (6,30 Tolar)
Czech Republic.....	233 032 727	South Africa.....	08 60 10 11 57
Denmark.....	35 25 86 00	Spain.....	902 103935
Dubai.....	97 14 39 69 944	Sweden.....	0 87 50 99 11
Egypt.....	202 7623441	Switzerland	
Finland.....	09 23 11 34 25	.....	08 48 21 20 00 (0,08 SFr./Min.)
France.....	01 56 38 42 00	Taiwan.....	02 23 96 10 06
Germany.01805 333 222 (0,14 Euro/Min.)		Thailand.....	02 722 1118
Greece.....	801 11 11 11 6 (0,026 Euro)	Turkey.....	0 21 64 59 98 59
Hungary.....	06 14 71 24 44 (27 Ft)	Ukraine.....	+380-44-451-71-72
Ireland.....	18 50 77 72 77	United Arab Emirates.....	0 43 66 03 86
Italy.....	199 15 11 15	United Kingdom.....	0 84 53 67 08 12
Kuwait.....	96 52 44 4200	USA.....	1-866 247-8758
Latvia.....	7 50 11 18	.....	(toll free)
Luxembourg.....	40 66 61 56 40		

Please address any questions about DSL access and VoIP access to the respective service provider.

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.

## Authorisation

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This device is intended for analogue phone lines in your network.

Voice over IP telephony is possible with an additional modem via the LAN interface.

Country-specific requirements have been taken into consideration. We, Siemens Home and Office Communication Devices GmbH & Co. KG, declare that this device meets the essential requirements and other relevant regulations laid down in Directive 1999/5/EC.

A copy of all international 1999/5/EC Declarations of Conformity is available at:

<http://www.siemens.com/gigasetdocs>

CE 0682

## Specifications

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### Recommended rechargeable batteries

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(Valid at the time of going to press)

Nickel-metal-hydride (NiMH):

- ◆ Sanyo Twicell 650
- ◆ Sanyo Twicell 700
- ◆ Sanyo NiMH 800
- ◆ Panasonic 700 mAh "for DECT"
- ◆ GP 550mAh
- ◆ GP 700mAh
- ◆ GP 850mAh
- ◆ Yuasa Technology AAA Phone 600
- ◆ Yuasa Technology AAA Phone 700
- ◆ Yuasa Technology AAA 800
- ◆ VARTA Phone Power AAA 700mAh

The handset is supplied with two recommended batteries.

## Handset operating times/charging times

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The following information relates to batteries with a capacity of 650 mAh.

Standby time	around 125 hours (5 days)
Talktime	around 13 hours
Charging time	around 7.5 hours

The operating and charging times apply only when using the recommended batteries.

### Base station power consumption

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Depending on current status, around 2.5 W.

## General specifications

Interfaces	Fixed network, Ethernet
DECT standard	is supported
GAP standard	is supported
No. of channels	60 duplex channels
Radio frequency range	1880–1900 MHz
Duplex method	Time multiplex, 10 ms frame length
Channel grid	1728 kHz
Bit rate	1152 kbit/s
Modulation	GFSK
Language code	32 kbit/s
Transmission power	10 mW, average power per channel
Range	up to 300 m outdoors, up to 50 m indoors
Base station power supply	230 V ~/50 Hz
Environmental conditions for operation	+5 °C to +45 °C; 20% to 75% relative humidity
Dialling mode	DTMF (touch tone dialling)/DP (dial pulsing)
Flash time	250 ms
Codecs	G711, G726, G729AB with VAD/CNG
Quality of Service	TOS, DiffServ
Protocols	DECT, SIP, RTP, DHCP, NAT Traversal (STUN)
Base station dimensions	105 x 132 x 46 mm (L x W x D)
Dimensions, handset	141 x 53 x 31 mm (L x W x H)
Base station weight	130 g
Weight of handset with battery	116 g

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## Appendix

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## Appendix

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