

SIEMENS



Issued by
Siemens Home and Office Communication Devices GmbH & Co. KG
Schlavenhorst 66
D-46395 Bocholt

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www.siemens.com/gigaset

Gigaset
S450 IP



Siemens Gigaset contact numbers:

For personal advice on our range of products and for repairs or guarantee/warranty claims call:

UK Helpdesk: **08453 6708 12**
 (local call cost charge)

Please have your proof of purchase ready when calling regarding warranty claims.

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Safety precautions

Warning:

Read the safety precautions and the user guide before use.

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



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



Fit only the **recommended rechargeable batteries** (page 36) of the same type!

This means that you must not 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 (symbols are attached to the inside or outside of the handset's battery compartment, page 8).



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 of the handset to your ear when it is ringing or when the handsfree function is activated. 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 35).



Do not use your phone in environments with a potential 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 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 2002/96/EC.

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.

Please note:

If the key block is switched on, even emergency numbers cannot be dialled!

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

Gigaset S450 IP – More than just a telephone

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 18).
- ◆ Register up to **six** handsets to your base station. With your base station you can make two calls simultaneously via VoIP, or one call over the fixed network and one call via VoIP.
- ◆ **Multiline:** Set up a separate VoIP account for each member of your family with their own VoIP phone number (up to six accounts with different VoIP providers). If you include your fixed network number, your phone can be reached on up to **seven different phone numbers**. These can be assigned to the individual handsets. If a member of your family is called on their number, only their handset will ring.
- ◆ 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 – without making any other settings (page 21).
- ◆ Configure the phone connection for VoIP **without a PC**. Your phone's connection assistant downloads general data about your VoIP provider from the Internet and guides you through entering your personal data (VoIP/SIP account). This makes it easy for you to start using VoIP (page 12).
- ◆ If necessary, make any further VoIP settings on a PC. The phone has a Web interface (**Web configurator**) that can be accessed via your PC's Web browser (page 32).

- ◆ Assign your own password (**system PIN**) to protect your device and the Web configurator from unauthorised access (page 30).
- ◆ Send and receive **SMS messages** via the fixed network (page 24).
- ◆ Use **instant messaging** on your handset. Go online and see which of your messenger contacts (buddies) are also online. Chat with your buddies, send and receive text messages, or phone them (page 27).
- ◆ Use your phone to obtain information about new **e-mail** messages in your mailbox **without a PC** (page 26).
- ◆ Save up to 150 numbers and names in your handset (page 22).
- ◆ Download your Outlook contacts from a PC into your handset. Or back up the handset directory on your PC.
- ◆ 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 22).
- ◆ Keep your hands free while making calls. Use the handsfree function on your handset or use a convenient headset (accessory, not included in the scope of delivery).
- ◆ Keep your phone completely up to date. Find out about **firmware updates** on the Internet and download them into your phone.
- ◆ Use your handset as an alarm clock (page 30).

You will find further information in the detailed user guide for your Gigaset S450 IP at www.siemens.com/lqigaset.

Your Gigaset S450 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

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 SIP provider will give you personal numbers 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 (recommended) 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://www.siemens.com/qigaset>
- ◆ Access to the services of a VoIP provider. Open up to six accounts with **different** VoIP providers.

First Steps

Pack contents

The pack contains:

- ◆ one Gigaset S450 IP base station
- ◆ one Gigaset S45 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

You will find a detailed description of your Gigaset S450 IP and its Web configurator on the Internet at:

www.siemens.com/qigaset

This complete description is in PDF format. You will need Adobe® Reader® to view these documents. You can find Adobe® Reader® on the Internet at 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

Warning:

Use only the rechargeable batteries recommended by Siemens on page 36! This means that you must not use conventional (non-rechargeable) batteries or other battery types, otherwise serious damage to health and property cannot be ruled out, e.g. 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/on the battery compartment.



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

Closing the battery cover

- ▶ First, align the notches on the side of the battery cover with the protrusions on the inside of the housing.
- ▶ Then press the cover until it clicks into place.



Opening the battery cover

- ▶ If fitted, remove the belt clip.
- ▶ Place your finger in the headset socket cavity and pull the battery cover upwards.



Connecting the charging cradle

Connecting up 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 turned itself off because the batteries are flat and if it is then placed in the charging cradle, it will turn 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 reinsert them.
- ◆ 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.

Please note:

You will find explanations for the icons and typographical conventions used in this user guide in the detailed user guide for your Gigaset S450 IP on the Internet at www.siemens.com/gigaset.

Setting the date and time

If the date and time are not yet set on the phone, the display key **Time** is displayed. You can set the date and time later via the menu   **Settings**  **Date/Time**.

- ▶ Press **Time** or open the menu.

- ▶ Change multiple line input:

Date:

Enter day, month and year in 6-digit format.

Time:

Enter hours and minutes as 4 digits (e.g.     for 7:15 a.m.

Save

Press the display key.

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.

Instructions on how to register further handsets to the base station and make free internal phone calls is described in the detailed user guide on the Internet at www.siemens.com/gigaset.

Installing the base station

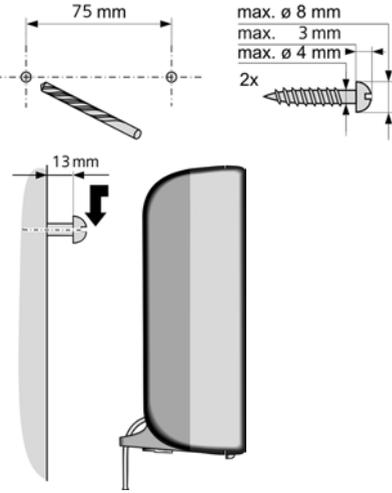
The base station is designed for use in closed, dry rooms with a temperature range of +5°C to +45°C.

- ▶ Set up or wall-mount the base station at a central point in the apartment or house.

Please note:

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

Wall mounting the base station



Connecting the base station

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 fixed network and the Internet, see Figure 1.

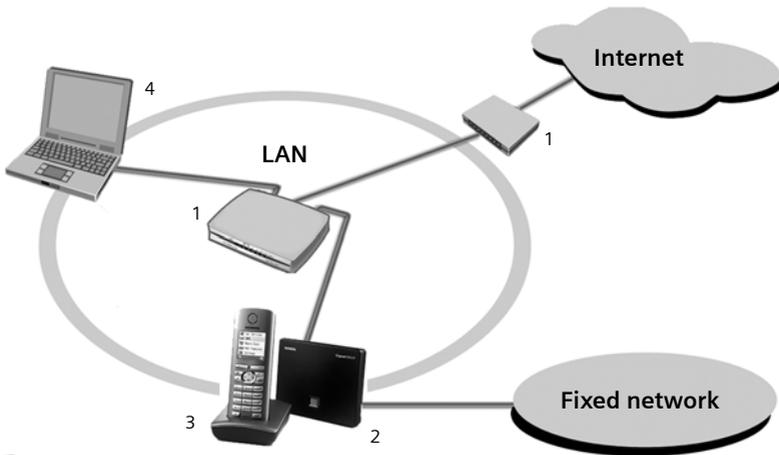


Figure 1 Connecting the phone to the fixed network and the Internet

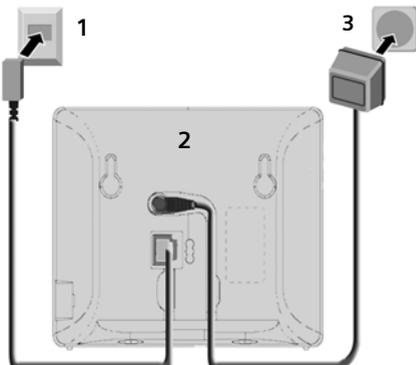
- 1 Internet connection: router and modem (illustrated) or router with integrated modem
- 2 Gigaset S450 IP base station
- 3 Gigaset S45 handset
- 4 PC in LAN

Follow the steps in the order given below:

- 1. Connect the base station with the 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.

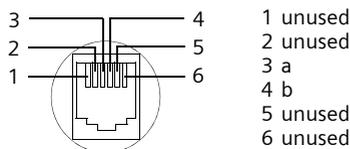


- 1 Phone jack with phone cord
- 2 Underside of the base station
- 3 Mains adapter 230 V

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.

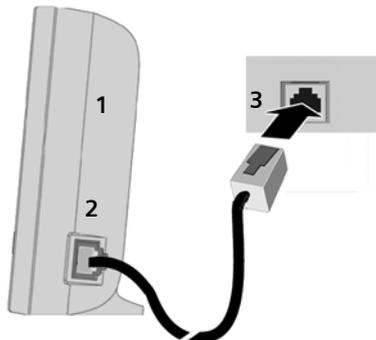
Correct phone jack assignment



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 (page 1).

You can already make VoIP connections within the Gigaset.net (page 21).

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 (e.g. via your PC) with such a VoIP provider and set up at least one VoIP 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 assistant will help you with the settings.

Starting the connection assistant

Precondition: The base station is connected to the mains power supply and the router. Your router is connected to the Internet (page 11).

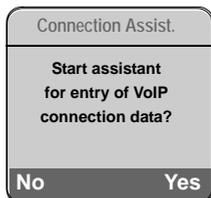
Tip: If VoIP is activated as the default connection for your phone (default setting page 31), the phone will attempt to make a direct connection to the server belonging to your VoIP provider after the connection assistant is closed. If incorrect/incomplete information means that the connection cannot be made, messages will be displayed (page 14).

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 must also be activated on the router, i.e. the router's DHCP server is activated.

As soon as the handset battery is sufficiently charged, the message key  on the handset will flash (around 20 minutes after you have put the handset in the charging cradle). Press the message key  to start the connection assistant.

You will see the following display:



Press the display key to start the connection assistant. The settings are carried out in several steps.



Enter system PIN (the default setting is "0000").

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.

After a short time the following is displayed:



Select country (press up/down on the control key) and press **OK**. The VoIP providers are shown for which VoIP profiles are available.



Select your VoIP provider and press **OK**.

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

If the data for your VoIP provider is not offered as a download, press the display key . You can then carry out the following steps as instructed by the connection assistant. You must then make the necessary settings for the VoIP provider with the Web configurator (page 33). Your VoIP provider will supply you with this data.

Entering user data for your first VoIP account

Enter the VoIP user data for the first VoIP account. Your VoIP provider will supply you with this data.

Using the Web configurator, you can later enter five further VoIP accounts (VoIP phone numbers) set up with the same VoIP provider. Your phone can then (together with your fixed network number) be reached under up to seven different phone numbers. You can assign the phone numbers to individual handsets registered with the base station (page 32).

Username:

If this is required by your provider, enter the user name and press **Save**.

Authent. Name:

Enter the registration name and press **Save**.

Authent. Password:

Enter password and press **Save**.

Please note:

Please note when making these entries that the VoIP user data is case sensitive. When entering text, the first letter is capitalised as standard. 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 21).

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

Completing the VoIP settings

Once you have made all the necessary entries, the message "Connection data complete" is displayed. The handset returns 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 (example):



You can now use your phone to make calls via the fixed network (fixed line) 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 must 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 assistant is closed, then a fault has occurred:

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 Internet connection.
- ▶ Check whether the phone is connected to the LAN. It might not have been possible to assign an IP address to the phone or the IP address has already been assigned to another LAN subscriber and cannot be changed.
 - ▶ Find the IP address using the handset menu:
 →  Settings → Base → Local Network
- ▶ Start the Web configurator with the IP address.
- ▶ If no connection can be established, change the settings on the router (activate DHCP server) or the phone's IP address.

Provider registration failed!

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

– Via the handset menu:

 →  Settings → Base → Local Network

Or

– Via the Web configurator:

- ▶ Open Settings → IP Configuration Web page.
- ▶ Select IP address type.

Please note that the IP address and subnet mask depend on the router's address block. You must also specify the default gateway and DNS server. The IP address for the router is generally entered here.

Menu tree

To open the main menu for your phone, with the handset in idle status, press on the right of the control key: .

There are two ways to select a function:

Using number combinations ("shortcut")

- ▶ Enter the number combination that is in front of the function in the menu tree.

Example:     for "Set handset language".

Scrolling through the menus

- ▶ Scroll to the function with the control key  (press up and down) and press **OK**.

1 Messaging

1-1	SMS	An SMS mailbox (general or private) activated without a PIN			
		1-1-1	New SMS		
		1-1-2	Incoming (0)		
		1-1-3	Outgoing (0)		
		An SMS mailbox with a PIN or 2-3 mailboxes activated			
		1-1-1	Mailbox	1-1-1-1	New SMS
				1-1-1-2	Incoming (0)
				1-1-1-3	Outgoing (0)
		1-1-2	Mailbox 1	1-1-2-1	New SMS
		to	Mailbox 2	to	
		1-1-4	Mailbox 3	1-1-4-1	
				1-1-2-2	Incoming (0)
				to	
				1-1-4-2	
				1-1-2-3	Outgoing (0)
				to	
				1-1-4-3	
		1-1-6	Settings	1-1-6-1	Service Centres
				1-1-6-2	SMS Mailboxes
				1-1-6-3	Notify Number
				1-1-6-4	Notify Type
				1-1-6-6	Subscribe to SMS

Menu tree

1-2	E-mail	1-2-1	Inbox (0)		
		1-2-2	Settings	1-2-2-1	Incoming (POP3)
				1-2-2-2	Registration
1-3	Messenger	1-3-1	Buddies		
		1-3-2	User Status	1-3-2-1	Change Status
				1-3-2-2	Info
		1-3-3	Messages		

2 Sel. Services

2-1	VoIP	2-1-6	Call Divert
		2-1-7	Call Waiting
2-2	Fixed Line	2-2-1	Withhold No.
		2-2-6	Call Divert
		2-2-7	Call Waiting
2-3	Ringback Off		

3 Alarm Clock

4 Add. Features

4-3	Room Monitor
-----	--------------

5 Settings

5-1	Date/Time				
5-2	Audio Settings	5-2-1	Ringer Settings	5-2-1-1	Ext. Calls
				5-2-1-2	Internal Calls
				5-2-1-3	All
		5-2-2	Advisory Tones		
5-3	Display	5-3-1	Screen Picture		
		5-3-2	Colour Scheme		
		5-3-3	Contrast		
		5-3-4	Backlight		

5-4	Handset	5-4-1	Language		
		5-4-2	Auto Answer		
		5-4-3	Register H/Set		
		5-4-4	Select Base		
		5-4-5	Reset Handset		
5-5	Base	5-5-1	Calls List Type	5-5-1-1	Missed Calls
				5-5-1-2	All Calls
		5-5-2	Music on hold		
		5-5-3	System PIN		
		5-5-4	Base Reset		
		5-5-5	Add. Features	5-5-5-1	Repeater Mode
		5-5-6	Local Network		
		5-5-8	Software Update		
5-6	Voice Mail	5-6-1	Set Key 1	5-6-1-1	Network Mailb.
5-7	Telephony	5-7-1	Default Line	5-7-1-1	VoIP
				5-7-1-2	Fixed Line
		5-7-2	Connection Assist.		
		5-7-4	Area Code		
		5-7-6	Fixed Line	5-7-6-1	Dialling Mode
				5-7--2	Recall
		5-7-7	VoIP	5-7-7-1	Show Stat. on HS
				5-7-7-2	Select Provider
				5-7-7-3	Provider Registr.

Not all menu items are described in this quick guide. You will find the full description in the detailed user guide for your Gigaset S450 IP on the Internet at www.siemens.com/gigaset.

Making calls with VoIP and the fixed network

Making an external call

External calls are those that are made via the public telephone network (fixed network) or the Internet (VoIP). You determine what type of connection you want to use when you dial.

Please note:

- You can make two parallel external calls on your base station (on two handsets): two calls via VoIP or one call each via VoIP and the fixed network.
- 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).
To avoid always having to enter the area code for local calls, you can also enter the area code in the configuration (with the Web configurator, see page 32). It will then be inserted automatically for local calls.

Selecting the type of connection via the talk key and making a call



Enter number/IP address and **briefly press/press and hold** the talk key or handsfree key.

A default connection is established on your phone (fixed network or VoIP, page 32).

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

Please note:

If you use a different GAP-compatible handset to the Gigaset S45, 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-default connection to make a call, enter a star (*) at the end of the number.

Selecting the type of connection via display keys and making a call

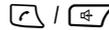
Precondition: **FixedLine** and/or **IP** are assigned to the display keys on your handset (Gigaset S45 default setting).

FixedLine / IP

Press the display key to select the type of connection.



Enter number or select number from the directory.



Press the talk or handsfree key.

Entering an IP address

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

- ▶ Press the star key to separate the parts of the IP address (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).

Cancelling the dialling operation

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

Please note:

If you have assigned several VoIP phone numbers to your phone, for each handset you can set which VoIP number (account) is to be used for calls (handset send number, page 32).

Ending a call



Press the end call key.

Accepting a call

The handset indicates an incoming call by ringing and by the flashing handsfree key . The display shows the caller's number or name and the receive number the caller is calling (e.g. for Fixed Line, for IP1 etc.).

Please note:

The handset will only indicate calls to receive numbers assigned to the handset (page 32). If no specific receive numbers are assigned, all calls are signalled on all handsets.

You can accept the call by:

- ▶ Pressing the talk key .
- ▶ Pressing the display key **Accept**.
- ▶ Pressing the handsfree key .

If the handset is in the charging cradle and the *Auto Answer* function is activated (page 17), the handset will take a call automatically when you lift it out of the cradle.

Switching between earpiece and handsfree mode

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

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

- ▶ Press and hold 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 store up to five emergency numbers in your telephone. The default setting for the phone is that these emergency numbers are always dialled via the fixed network (fixed line) – irrespective of which connection type you select. The fixed network always supports general emergency numbers (e.g. establishing a connection to the **local** police emergency number).

You can deactivate the setting for the emergency numbers to always be dialled via the fixed network (*Dialling Plans*, page 33). 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 on the *Dialling Plans* Web page in the Web configurator.

- ▶ Open the following Web page:
Settings → Telephony → Dialling Plans.
- ▶ Enter your emergency numbers in the fields in the Emergency Numbers area. Change previously entered emergency numbers.
- ▶ Click on Set to save the settings.

Please note:

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

Operating the handset

Activating/deactivating the handset

 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



In this user guide, the side of the control key that you must press in the given operating situation is shown in black. Example:  for "press up on the control key".

The control key has the following functions:

When the handset is in idle status

-  Open handset directory or Gigaset.net directory (press briefly/press and hold).
-  Open main menu.
-  Open list of handsets.
-  Adjust the ringer volume of the handset (page 29).

In lists and menus

-  /  Scroll up/down line by line.

-  Open submenu or confirm selection.
-  Go back one menu level or cancel.

In an input field

You can use the control key to move the cursor **up** , **down** , **right**  or **left** .

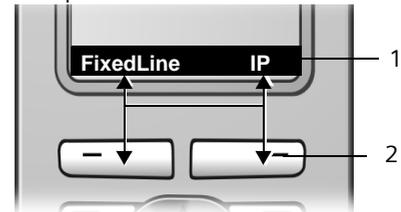
During an external call

-  Open the directory.
-  Initiate an internal consultation call.
-  Adjust the loudspeaker volume for operation in earpiece/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 are shown in the bottom display line.
- 2 Display keys

Reverting to idle status

Reverting to idle status from anywhere in the menu:

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

Or:

- ▶ Do not press any key: after 2 minutes the display will **automatically** revert to idle status.

Changes that you have not confirmed or saved by pressing **OK**, **Yes**, **Save**, **Send** or **Save OK** will be lost.

You will find more information about operating your Gigaset S45 in the detailed user guide on the Internet at www.siemens.com/qigaset.

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 detailed 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 **Options** → Own details 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, call-by-call list
- ◆ Last number redial list
- ◆ SMS, e-mail and messenger lists
- ◆ Calls list

Directory

You can save up to 150 numbers and names in the **directory**.

- ▶ Open the directory by **briefly** pressing the  key in idle status.

Length of an entry

Number: max. 32 digits

Name: max. 16 characters

Please note:

Always enter the phone number with a dialling code. You will need this if you want to call a fixed network subscriber via VoIP.

Alternatively, you can also specify an area code via the Web configurator that is placed before all numbers dialled without a dialling code.

Saving a number in the directory

 → New Entry

- ▶ Change multiple line input:

Number :

Enter number.

Name :

Enter name.

Annivers.:

Press the display key **Edit** and enter the date, reminder time and type of signal.

Speed Dial:

Select the digit keys for speed dial ( to ).

The number is dialled via the non-default connection if you press and **hold** the assigned digit key in idle status. Insert a hash (#) at the end of the number, if the number is to be dialled via the default connection

- ▶ Save changes with **Save**.

Please note:

If you add a star (*) to the end of the number, the number will be dialled via the non-default connection (page 31), even if you briefly press the talk key .

Managing directory entries

 →  (Select entry)

- ▶ Press the display key **View** to view the entry

Or

- ▶ Press the display key **Options** to open the directory menu.

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

- ◆ Change entries, delete entries, mark entries as a **VIP** (Very Important Person) or send them to other handsets connected to the base station
- ◆ Delete the directory or send it to another handset

You will find additional information in the detailed user guide for your Gigaset S450 IP on the Internet at 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 open the following lists with the message key :

- ◆ SMS list
If **several** mailboxes are set up, several lists are displayed where applicable.
- ◆ Incoming e-mail list
The list is only displayed if there are new messages in the mailbox on the incoming e-mail server.
- ◆ Messenger message list
The list is only displayed on the online handset.
- ◆ Network mailbox
If your network provider supports this function and the network mailbox is set up for fast access via key 1 (page 17).
- ◆ Calls list
You can configure your calls list to include all calls or just missed calls.

 →  Settings → Base
→ Calls List Type

Please note:

Your calls list will only save calls made to the receiving numbers assigned to your handset (page 33).

An advisory tone sounds as soon as a **new message** arrives in a list. The  key flashes (it goes off when the key is pressed). In idle status, the display shows an icon for the new message.

Icon	New message...
	... in network mailbox
	... in calls list
	... in SMS or messenger or e-mail list

The number of new entries is shown beneath the corresponding icon.

If you press the  key, the lists containing messages will be displayed (exception: network mailbox). Lists with new messages are displayed in bold.

Opening a list

 → If necessary, select the list

 Select entry.

You will find additional information about the lists in the detailed user guide for your Gigaset S450 IP on the Internet at www.siemens.com/gigaset.

Dialling from the directory/list

- ▶ Open the directory/list.
- ▶ Select entry via .
- ▶ Press and **hold/briefly** press the talk key  (page 18).

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.

Preconditions:

- ◆ Calling Line Identification is enabled for your fixed network 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 for which you have entered numbers. You can then receive SMS messages from these SMS centres.

You can enter more SMS centres and use the registration wizard to register with these SMS centres. Please refer to the detailed user guide for your Gigaset S450 IP on the Internet at www.siemens.com/qiqaset.

Writing/sending/saving an SMS

 →  Messaging → SMS
→ (mailbox, mailbox PIN)

New SMS Select and press **OK**.

 Write an SMS.

Options Press the display key.

Save Select and press **OK**.
The message is stored in the draft message list. You can edit and send it later.

Open the draft message list:
 →  Messaging → SMS
→ (mailbox, mailbox PIN)
→ Outgoing

Or

Send Select and press **OK**.

SMS Select and press **OK**.



Select number with area code (even if you are in that area) from the directory or enter directly. If necessary, add the mailbox ID to the **end** of the number.

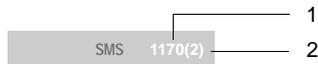
Options Press the display key.

Send Select and press **OK**.

Linking SMS messages

If an SMS contains more than 160 characters or large image data, it is sent (up to eight messages) and received as a **linked** SMS.

When writing an SMS you will see the following displayed in the top right of the header (example):



1 Maximum number of characters you may still write or add (assuming 8 linked SMS messages)

2 Number of SMS messages that have had to be linked for the text written so far.

Please note that linking SMS messages generally results in higher charges.

Receiving/reading an SMS

All received SMS messages are saved in the incoming message list. Linked SMS messages are displayed as **one** message. If this is too long or has not transferred completely, it will be split into individual messages.

New SMS messages are signalled on all Gigaset S45 handsets by the  icon in the display, the flashing message key  and an advisory tone.

Opening the incoming message list

- ▶ Press message key  and if necessary select mailbox and enter mailbox PIN.

Or

- ▶ Open menu  →  Messaging
→ SMS → (mailbox, mailbox PIN)
→ Incoming .

Reading an SMS

- ▶ Press the display key **Read**.

Managing SMS lists

Via the options in the incoming/draft message list you can, for example:

- ◆ Delete individual SMS messages or the entire list
- ◆ Forward or reply to an SMS
- ◆ Continue writing and send SMS messages stored in the draft message list.
- ▶ Select the SMS and press **Options**.

Notification by SMS

When out and about, you can arrange to be notified about missed calls by SMS.

Storing the notification number

 →  Messaging → SMS → Settings
→ Notify Number

- ▶ Enter the number of a mobile phone or another device with SMS functionality to which the notification is to be sent. (**Warning:** Do not enter your own land-line number!)

Activating notification

 →  Messaging → SMS → Settings
→ Notify Type

- ▶ Set On if you want SMS notification.
- ▶ Save with **Save**.

Please note that your network provider usually charges for SMS notifications.

You will find further information in the detailed user guide for your Gigaset S450 IP on the Internet at www.siemens.com/gigaset.

E-mail notifications

Your phone will inform you when new e-mail messages have arrived in your incoming e-mail server.

Periodically (approx. every 15 min.) it establishes a connection to the e-mail server and checks whether new messages are present.

New e-mail messages are indicated on all registered Gigaset S45 handsets by an advisory tone and by a flashing message key . The  icon is shown in the idle display.

Preconditions:

- ◆ You have established an e-mail account with an Internet provider.
- ◆ The incoming e-mail server uses the POP3 protocol.
- ◆ You have stored the name of the incoming e-mail server and your personal access data (account name, password) in the phone.

Entering access data for the incoming e-mail server

Entering access data

 →  Messaging → E-mail → Settings
→ Registration

- ▶ Change multiple line input:

Username:

Enter user name (account name)
(max. 32 characters).

Authent. Password:

Enter password (this is case sensitive).

- ▶ Press the display key .

Entering the incoming e-mail server

 →  Messaging → E-mail → Settings
→ Incoming (POP3)

- ▶ Enter the name of the incoming e-mail server (POP3 server).
- ▶ Select  → Save and press .

Opening the incoming message list

 →  Messaging → E-mail → Inbox

Or, if there are new e-mail messages (the message key  flashes):

 → E-mail:

The phone establishes a connection to the incoming e-mail server. The list of e-mail messages stored there is displayed.

The sender's name and e-mail address (single line, abbreviated if necessary) are displayed as well as the date and time (the date and time only have correct values if the sender and recipient are located in the same time zone).

Viewing the header of an e-mail

 Select e-mail entry.

 Press display key.

The subject of the e-mail message (max. 120 characters) is displayed.

 Now press the display key to return to the incoming message list.

Viewing the sender's address for an e-mail

 Select e-mail entry.

 Press the display key.

The sender's e-mail address is displayed in full.

 Now press the display key to return to the incoming message list.

Messenger

The messenger on your phone makes **instant messaging** possible (immediate message transfer, chatting). The phone supports XMPP messenger (Jabber).

When you go **online** (page 27), you have the following options:

- ◆ Display your list of contacts (**buddies**) on your handset. Each buddy's status is shown, e.g. **online** and ready to chat (**state of presence**, see page 27).
- ◆ Exchange messages with your buddies. The message key  on your handset will flash and a beep will sound to alert you to new messages.
- ◆ Call your buddies directly from the buddy list (page 28).

Preconditions for instant messaging:

- ◆ You have registered with an instant messaging provider via the Web browser on your PC and have created a buddy list.
- ◆ You have saved the messenger server address and your messenger server access data (user ID, password) via the Web configurator on your phone (page 33).

Please note:

If your instant messaging provider does not support the messenger client on your phone, open an account with a Jabber server and enter its address using the Web configurator in your phone. Many of these Jabber servers offer gateways to other messenger servers (e.g. AOL, ICQ, MSN, Yahoo!).

You will find a list of Jabber servers and an overview of the gateways to other messenger servers on the Internet at:

<http://www.jabber.org>.

Establishing a connection, going online

 →  Messaging → Messenger

Yes Confirm prompt.

If you are online, the messenger submenu is displayed on the screen. You can open your buddy list, send and receive messages and call buddies.

Notes

- Only one of the handsets connected to the base station can go online.
- An external call for your handset interrupts the chat, but you remain online. Once the call is ended or rejected, you can resume your chat.

Opening the buddy list and chatting

Precondition: You are Online.

 →  Messaging → Messenger
→ Buddies

 Select a buddy.

In the buddy list, the buddies are sorted according to their status (see below). Status is displayed by the colour of the  icon:

1. Online / Ready for chat (**green**)
2. Away / Extended Away / Do not disturb (**orange**)
3. Offline / Invisible (**red**)

If the buddy's status changes, the buddy list is updated. If a buddy changes to **Online / Ready for chat** status, a message is displayed.

Checking information about buddies

Info Press the display key.

Chatting to buddies

Chat Press the display key.

- ▶ Write and send your message (page 28).

Receiving messages

Precondition: You are **Online**.

New messages are indicated by the message key  flashing and a beep.

The messages are stored in the **Messenger**: message list.

Opening the message list

 → **Messenger**: (2)

Or:

 →  **Messaging** → **Messenger**
→ **Messages**

Reading the message

- ▶ Press  to select the message.
- ▶ Press the display key **Read**.

You have the following options:

Delete Delete the message.

Or:

Answer Reply to the message (page 28).

The message list is deleted as soon as you go offline.

Writing/sending messages

Precondition: You have pressed **Chat** in the buddy list or **Answer** when reading a buddy message.

- ▶ Enter the message.
- ▶ Select **Menu** → **Send** and press **OK**.

The message is sent to the buddy.

- ▶ Press **OK** to return to the buddy or message list.

Please note:

You cannot reply to info messages (special provider information).

When writing a message, you can activate/deactivate predictive text, select the input language for predictive text or delete the text via **Menu**.

Calling a buddy

Precondition:

- ◆ The messenger server supports calls via vCard and the buddy's vCard contains a phone number.
- ◆ You have selected a buddy from the buddy list or the message list



Briefly press/press and **hold** the talk key (page 18).

The first number found in the vCard is selected.

Disconnecting, going offline



→  **Messaging** → **Messenger**
→ **User Status** → **Change Status**

- ▶ Select **Offline** status and press **OK**.
- ▶ Confirm the security prompt with **Yes**.

The messenger message list is deleted.
The buddy list is no longer available.

Handset/base station settings

The handset and base station are preconfigured, but you can change these settings to suit your individual requirements. You will find the relevant functions in the sub-menus

 → Settings and  → Alarm Clock (page 15).

The base station settings are carried out using a registered Gigaset S45 handset.

Changing the handset display keys

You can assign different functions to your handset's display keys. The change is handset-specific.

- ▶ In idle status, press and **hold** the right or left display key (e.g. **FixedLine**).

The list of possible key assignments is opened.

 Select a function and press **OK**.

The handset returns to idle status. The labelling for the display key has changed (e.g. **Messgr.** if Messenger is selected).

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 make these adjustments during a call. The handsfree talking volume can only be adjusted when this function is set.

You are conducting an external call.

 Open menu.
 Select volume.

Save Press display key if necessary to save the setting permanently.

If  is assigned with another function, e.g. toggling:

Options Open menu.

Volume Select and press **OK**.

Configure setting (see above).

Setting ringer tones

Set the volume and melody depending on the type of signalling required.

 →  Settings → Audio Settings
 → Ringer Settings

Ext. Calls / Internal Calls / All
 Select and press **OK**.

▶ Change multiple line input:

 Set volume (1–6).

 Scroll to the next line.

 Select melody.

Save Press the display key to save the setting.

In idle status, you can also open the Ringer Settings menu by pressing  **briefly**.

Activating/deactivating the ringer tone

You can deactivate the ringer tone on your handset before you accept a call or when the handset is in idle status; the ringer tone can be deactivated permanently or just for the current call. The ringer tone cannot be re-activated while an external call is in progress.

Deactivating the ringer tone permanently

 Press and hold the star key until the  icon appears in the display.

Re-activating the ringer tone

 Press and **hold** the star key.

Deactivating the ringer tone for the current call

Silence Press the display key.

Activating/deactivating advisory tones

 →  Settings → Audio Settings
→ Advisory Tones

▶ Change multiple line input:

Key Tones: / Confirm:
Select On or Off.

Battery:

Select On, Off or In Call. The battery warning tone is only activated/deactivated and only sounds during a call.

▶ Save changes with **Save**.

Setting the alarm clock

Precondition: The date and time have already been set (page 9).

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

 →  Alarm Clock

▶ Change multiple line input:

Activation:

Select On or Off.

Time:

Enter the wake-up time in 4-digit format.

Melody:

Select melody.

Volume:

Set the volume (1-6).

▶ Save changes with **Save**.

You will see the  icon.

When the alarm clock rings ...

Alarm repeat after 5 minutes

Snooze Press the display key or any key.

After the second repetition the wake-up call is deactivated for 24 hours.

Deactivating the alarm clock for 24 hours

OFF Press the display key. The wake-up call is deactivated.

Changing the system PIN on the base station

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

 →  Settings → Base → System PIN

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

 Enter the new system PIN.

 Scroll to the Re-enter PIN: line.

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

For security reasons, "****" is displayed instead of the system PIN.

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

Restoring factory settings

Each individual handset setting is reset, in particular the language, display, volume, ringer tone, advisory tones and alarm clock settings (page 29).

The last number redial list is cleared.

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

 →  Handset → Reset Handset

Yes Press the display key.
You can cancel the factory reset by pressing  or the display key **No**.



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

Restoring the base station to the 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 31)
- ◆ Default connection (page 31)
- ◆ The names of the handsets
- ◆ SMS settings (e.g. SMS centres)
- ◆ Answer machine settings (announcements are deleted)
- ◆ Settings for the connection to the PABX.

SMS lists, the answer machine list and the calls list are deleted.

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

→ Settings → Base → Base Reset



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

Yes

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 S450 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.
- ▶ Continue to press and hold the registration/paging key (at least 2 sec.).
- ▶ Release the registration/paging key. The base station has now been reset.

Setting default connection

You can make settings according to whether you want to make calls via VoIP or fixed network by default (press talk key **briefly**).

→ Settings → Telephony
→ Default Line

VoIP / Fixed Line

Select and press **OK** (= on).

Checking the base station MAC address

In idle status:

5 jkl 9 wxyz 2 abc 0 +

The base station MAC address is displayed.



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

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.

Preconditions:

- ◆ 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.

Connecting the PC to the Web configurator

- ▶ Launch the Web browser on your PC.
Precondition: The settings of an available firewall on the PC allow the PC and telephone to communicate with each other.
- ▶ Enter the phone's IP address into the address field of the Web browser, e.g. <http://192.168.1.2>.

You can check the phone's current IP address on the handset:



- ▶ Press the return key.

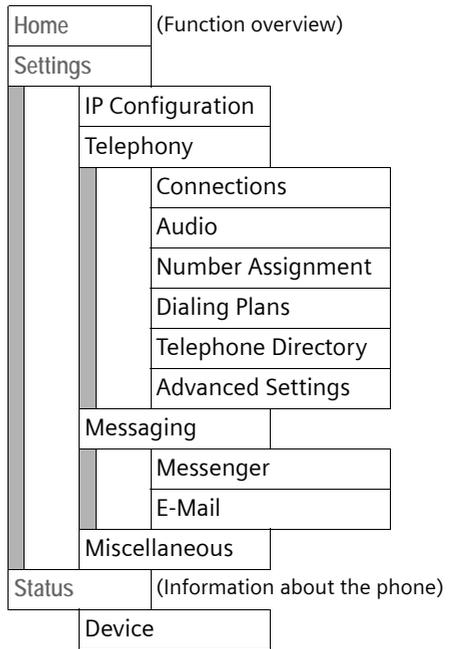
A connection is established to the phone's Web configurator.

De-registering

In the menu bar at the top right of every Web page in the Web configurator, you will see the **Log Off** command. 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).

Especially if you assign your phone a static IP address, you must enter the gateway and DNS server via the Web configurator. That is usually your router.

◆ Telephony → Connections

Configure your phone for VoIP.

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

Enter the personal access data of up to six VoIP accounts (VoIP phone numbers).

Activate/deactivate these VoIP phone numbers as required.

The phone registers with the VoIP server using the activated VoIP phone numbers and can be reached under these numbers.

◆ Telephony → Audio

If necessary, you can improve the voice quality on VoIP connections by adjusting the list of voice codecs used by your phone to suit the specific connection. If your DSL connection has a low bandwidth, you can optimise the voice quality:

- Select a standard setting for the codec on all VoIP connections.
- Where applicable, do not allow any parallel VoIP calls.

◆ Telephony → Number Assignment

Assign each registered handset its own VoIP phone numbers as send and receive numbers.

State which handsets are to ring when calls are made to your fixed network number.

◆ Telephony → Dialing Plans

Save emergency numbers on your telephone.

You can also activate or deactivate the following dialling rules:

- For VoIP calls, an area code is automatically attached in front of all numbers that do not start with 0. Specify this dialling code.
- Stored emergency numbers are always dialled via the fixed network. The stored emergency numbers are displayed. You can enter a phone number of your own.

◆ Telephony → Telephone Directory

Store your outlook contacts in a tsv file on your PC and load this onto your handset. The contacts are copied to the handset directory.

Back up the directories for your handsets on a PC.

◆ 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 used, for example, to check and control some network mailboxes. Ask your VoIP provider which type of DTMF signalling is supported.

◆ Messaging

Enter the access data for your messenger server and your e-mail server.

You can specify a resource name your phone should use to log on to the messenger server as well as a priority for message delivery. If you are online and using more than one device, any message from a buddy will be sent to the device that has the highest priority.

Web configurator

◆ Miscellaneous

State whether you wish to receive information about new firmware versions on the Internet.

For the following firmware update you can specify the server/PC that is to make the update, and if required load new firmware onto the phone.

View the VoIP status codes on the handset to diagnose problems with VoIP connections.

You will find the description of the Web configurator in the detailed user guide for your Gigaset S450 IP on the Internet at www.siemens.com/gigaset.

Appendix

Care

- ▶ Wipe down the base station and handset with a **damp** cloth (no solvents) or an antistatic cloth.

Never use a dry cloth. This can cause a build up of 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 with the battery compartment open and the keypad facing down place the handset 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

If you have any questions about using your phone, visit us at www.siemens.com/gigasetcustomercare at any time. You will also find a list of common problems and possible solutions in the detailed user guide.

Service (Customer Care)

We offer you support that is fast and tailored to your specific needs!

Our Online Support on the Internet can be reached any time from anywhere.
<http://www.siemens.com/gigasetcustomercare>

It provides you with 24/7 support for all our products. It also provides a list of FAQs and answers plus user guides and current software updates (if available for the product) for you to download.

You will also find frequently asked questions and answers in the detailed user guide on the enclosed CD or in the Internet at <http://www.siemens.com/gigaset>.

For personal advice on our range of products and assistance with repair or guarantee claims, please contact our Service Centre on:

United Kingdom 0 84 53 67 08 12

Please have your proof of purchase ready when calling.

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

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

Authorisation

This device is intended for analogue phone lines in the UK.

Voice over IP telephony is possible via the LAN interface if an additional modem has been connected.

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 the 1999/5/EC Declaration of Conformity is available at this Internet address:

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

CE 0682

Guarantee Certificate United Kingdom

Without prejudice to any claim the user (customer) may have in relation to the dealer or retailer, the customer shall be granted a manufacturer's Guarantee under the conditions set out below:

- ◆ In the case of new devices and their components exhibiting defects resulting from manufacturing and/or material faults within 24 months of purchase, Siemens shall, at its own option and free of charge, either replace the device with another device reflecting the current state of the art, or repair the said device. In respect of parts subject to wear and tear (including but not limited to, batteries, keypads, casing), this warranty shall be valid for six months from the date of purchase.
- ◆ This Guarantee shall be invalid if the device defect is attributable to improper treatment and/or failure to comply with information contained in the user guides.
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- ◆ The above provisions does not imply a change in the burden of proof to the detriment of the customer.

To invoke this Guarantee, please contact the Siemens telephone service. The relevant number is to be found in the accompanying user guide.

Specifications

Recommended batteries

(Valid at the time of going to press)

Nickel-metal-hydride (NiMH):

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

The handset is supplied with two recommended batteries.

Handset operating times/charging times

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

Standby time	approx. 170 hours (7 days)
Talktime	approx. 13 hours
Charging time	approx. 6 hours

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

Please note:

When the display backlight is switched on, the standby time of the handset is reduced to approx. 30 hours.

Base station power consumption

Depending on current status, around 2.5 W.

General specifications

Interfaces	Fixed network, Ethernet
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 in operation	+5 °C to +45 °C; 20% to 75% humidity
Dialling mode	DTMF (touch tone dialling)/DP (dial pulsing)

Flashing time	250 ms
Codecs	G711, G726, G729AB with VAD/CNG
Quality of Service	TOS, DiffServ
Protocols	DECT, GAP, SIP, RTP, DHCP, NAT Traversal (STUN), HTTP

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For further information and Internet links to the source text of the free software, see the Online Support pages on the Internet at:

www.siemens.com/gigasetcustomer-care

If it is not already supplied with the product, you can request the source text, including copyright notices, from Siemens. There is a charge to cover the cost of copying and postage. Please submit this request by e-mail or fax to the following address or fax number within 3 years of purchasing this product. Please state the exact device type plus the version number of the installed device software.

Small Parts Dispatch Com Bocholt

E-mail: kleinteileversand.com@siemens.com

Fax: +49 2871 91302

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Version 2.1, February 1999

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Appendix

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Appendix

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