The handset at a glance

Handset keys
1 Display in idle status (example)
2 Charge status of the batteries
   ■■■■■■■■ (1/3 charged to fully charged)
   ■■■■■■■■ flashes: battery almost flat
   ■■■■■■■■ flashes: battery charging
3 Display keys (page 32)

4 Message key
   Opens calls and message lists
   Flashes: new message or new call
5 End call key, On/Off key
   End call, cancel function, go back one menu level (press briefly), back to idle status (press and hold), activate/deactivate handset (press and hold in idle status)
6 Hash key
   Keypad lock on/off (press and hold, page 31)
   Switch between upper/lower case letters and digits for text input (page 148)
7 Call-by-call list key (not for VoIP)
   Open call-by-call list
8 Microphone
9 Recall key
   Fixed line network: enter flash (press briefly)
   insert a pause (press and hold)
   VoIP: enter Flash (adjustable, page 122)
10 Star key
   Idle status: ringer tones on/off (press and hold)
   Fixed line network: switch between dial pulsing/touch tone dialling
   Editor: open special characters table
11 Key 1 (press and hold)
   Call the network mailbox or answer machine (Gigaset S675/S685 IP)
12 Connection socket for headset (page 19)
13 Talk key
   Accept 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, page 26)
   SMS editor: send SMS
14 Handsfree key
   Change between speaker/handsfree mode
   Lights up: handsfree talking activated
   Flashes: incoming call
15 Control key (page 32)
16 Eco mode activated (page 20)
17 Signal strength
   ◇◇◇◇◇◇◇◇ (low to high)
   ◇◇◇◇◇◇◇◇ flashes: no reception
18 Gigaset S68H handset:
   Bluetooth activated (page 94)
19 Answer machine icon
   Answer machine switched on;
   Flashes: answer machine is recording a message or is being operated by another internal party
The 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 (page 82), display IP address on
   handset
   Press and hold:
   set base station to registration mode
   (page 81)

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

Service Centre UK: 08453 6708 12
   (local call cost charge)

Please have your proof of purchase ready when calling.
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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 or charging cradle.

Only use the recommended, rechargeable batteries (page 145), i.e. never use a conventional (non-rechargeable) battery or other battery types as this could result in significant health risks and personal injury.

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

Insert rechargeable batteries with the correct polarity, and use them in accordance with this user guide (polarity symbols can be seen in or on the handset's battery compartment, page 10).

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 or charging cradle in bathrooms or shower rooms. The handset, base station and charging cradle are not splashproof (page 136).

Do not use the 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.

Please remove faulty base stations from use or have them repaired by Siemens Service, as they could interfere with other wireless services.
Safety precautions

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.

Warning:
When the keypad lock is active, you cannot call emergency numbers.

Please note:
Not all of the functions described in this user guide are available in all countries.
Your phone lets you make calls both via the fixed line network and (cost effectively) via the Internet (VoIP) without using a PC.

Your phone can do much more besides:

- Make calls with brilliant sound quality (High Definition Sound Performance HDSP, page 9) – for internal calls or calls via VoIP.
- **Press a button** each time you make a call to indicate whether you want to call via the fixed line network or the Internet (page 26).
- Register up to six handsets on your base station. With your base station, you can simultaneously conduct two calls via VoIP and one call via the fixed line network.
- **Multiline**: Create up to six VoIP accounts with different VoIP providers. Together with your fixed line number and the Gigaset.net number, your phone can then be reached via up to **eight different phone numbers**.
- Assign each handset its own VoIP number as a send and receive number. If a member of your family is called on their VoIP number, only their handset will ring (page 120).
- You can also use the VoIP accounts with different providers for cost control purposes. When dialling, specify the VoIP connection/the VoIP account you want to use for its lower rates (page 27).
- Setting dialling plans for phone numbers or area codes enables you to automate the selection of the most cost-effective VoIP connection (page 124).
- Determine which of your phone numbers should be answered by the Gigaset S675/S685 IP answer machine (page 121).
- Use Gigaset.net for VoIP calls. Connect your phone to the mains power supply and the Internet, and enjoy free phone calls on Gigaset.net – without making any further settings (page 34).
- 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 16).
- If necessary, make any further VoIP settings on a PC. The phone features a Web interface (**Web configurator**) that can be accessed via your PC’s Web browser (page 104).
- Use **instant messaging** on your handset. Go online and see which of your messenger contacts (buddies) are also online. Exchange SMS messages with your buddies or simply give them a call (page 71). A free messenger account is already set up for you on the Gigaset.net Jabber server (page 127).
- Let your phone tell you, **without requiring a PC**, about new e-mail messages in your mailbox (page 68). Use your handset to delete old e-mail messages from your mailbox.
- Make sure your phone is always up-to-date. Keep yourself informed about **firmware updates** on the Internet and download them onto your phone (page 98).
- Reduce the transmission power of the base station and handset. Activate eco mode on your phone (page 20).
- Use your Gigaset S68H handset for wireless communication with other Bluetooth devices using Bluetooth™ (e.g. headset, PDA, page 93).

Enjoy using your new phone!
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 in high voice quality with callers on the Internet, the fixed line network or the mobile phone network.
- VoIP providers will give you personal numbers, with which you can be reached from the Internet, the fixed line 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: www.siemens.com/gigasetcustomer-care

Here, go to the FAQ page and select your Gigaset IP phone. Search for "Router", for example.

- Access to the services of a VoIP provider. Open up to six accounts with different VoIP providers.

Gigaset HDSP – telephony with brilliant sound quality

Your Gigaset IP phone supports the Broadband codec G.722. With your base station and the corresponding handset, you can thus make calls via VoIP with brilliant sound quality (High Definition Sound Performance).

If you register further broadband-capable handsets (e.g. Gigaset S67H, S68H or SL37H) with your base station, internal calls between these handsets will also be conducted via broadband.

Preconditions for broadband connections to your base station are:

- For internal calls:
  Both handsets are broadband-capable, i.e. both support codec G.722.

- For external calls via VoIP:
  - You make the call from a broadband-capable handset.
  - You have selected codec G.722 for outgoing calls (page 117).
  - Your VoIP provider supports broadband connections.
  - The recipient’s phone supports codec G.722 and accepts the establishment of a broadband connection.

Please note:
The VoIP service Gigaset.net (page 34) supports broadband connections.
First steps

Pack contents

The pack contains:
- one Gigaset S685/S675 IP base station
- one Gigaset S67H/S68H handset
- one mains adapter for the base station
- one charging cradle incl. mains adapter
- one phone cable
- one Ethernet cable (LAN cable)
- two batteries
- one battery cover
- one belt clip
- one quick guide

Firmware updates:
Your telephone is supplied with the firmware version 097 or higher.
Whenever there are new or improved functions for your Gigaset IP phone, base station firmware updates will be made available for you to download to your telephone (page 98). If this results in operational changes to your phone, a new version of this user guide will be published on the Internet at www.siemens.com/gigaset

Setting up the handset for use

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

Inserting the batteries

Warning:
Only use rechargeable batteries (page 145) recommended by Siemens Home and Office Communication Devices GmbH & Co. KG. Never use a conventional (non-rechargeable) battery or other battery types as this could result in significant health risks and personal injury. For example, 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 switches 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 fingertip in the cavity on the casing and pull the battery cover upwards.
Connecting the charging cradle

The charging cradle is designed to be operated in enclosed, dry areas at temperatures ranging from +5 °C to +45 °C.

Instructions on how to connect the charging cradle and mount it on the wall (if required) can be found on page 183.

- 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 is then placed in the charging cradle, it will turn itself on automatically.

For questions and problems see page 136.

Initial charging and discharging of batteries

If the handset is activated, the flashing battery icon in the top right of the display indicates that the batteries are being charged.

During handset operation, the battery icon indicates the charge status of the batteries (page 1).

The correct charge status can only be displayed if 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 (around 10 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 place 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 during 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 symbols and typographical conventions used in this user guide in the appendix, page 146.

Setting the date and time

The date and time must be set in order to have the correct time for incoming calls and to be able to use the alarm clock and calendar.

Please note:
The address of a time server on the Internet is stored on your telephone. The date and time are taken from this time server provided that the base station is connected to the Internet and synchronisation with the time server is activated (page 134). Manual settings are overwritten in this case.

If the date and time on the phone have not yet been set, the Time display key will appear.
First steps

Manual setting:
You can use the menu at a later point to enter the date and time.

- Press \texttt{Time} or open the \texttt{Date/Time} menu.
- Change multiple line input:
  Date:
  Enter the day, month and year in 8-digit format, e.g. \texttt{07 01 2008} for 07/01/2008.
  Time:
  Enter hours and minutes as 4 digits, e.g. \texttt{07 15} for 07:15 a.m.

\texttt{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 additional handsets with the base station and make free internal calls can be found from page 81.

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.
- Place or hang the base station in a central position in your flat or house.

Instructions for mounting the base station on the wall can be found on page 184.

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

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

Figure 1  Connecting the phone to the fixed line and the Internet
First steps

Follow the steps in the order given below:
1. Connect the phone cord and power lead to the base station.
2. Connect the base station to the fixed line network and the mains power supply.
3. To connect the base station to the Internet, first connect the base station to the router (connection via router and modem or via router with integrated modem).
4. Connect the PC and router (optional) for advanced configuration of the base station (see page 104).

1. Connect the phone cord and power lead to the base station

1. Insert the phone cord into the lower connection socket at the rear of the base station.
2. Insert the power lead of the mains adapter into the upper connection socket at the rear of the base station.
3. Push both cables into the appropriate cable channels.

2. Connect the base station to the fixed line network and the mains power supply

1. Insert the phone cord into the fixed line network connection socket.
2. Then insert the mains adapter into the mains socket.

Please note:
- Keep the mains adapter plugged in at all times for operation, as the phone does not work without mains connection.
- Only use the mains adapter and phone cord supplied.
- If you buy a replacement phone cord from a retailer, pay attention to the wiring of the phone jack.

Correct phone jack assignment

1 unused 2 unused 3 a 4 b 5 unused 6 unused

You can now use your phone to make calls via the fixed line network and can be reached on your fixed line number.

Your answer machine is set with a default announcement in answer and record mode (page 61).
3. Connect the base station to the router (Internet)

For Internet access you need a router connected to the Internet via a modem (this may be integrated in the router).

1. Connect an Ethernet cable plug into the LAN socket at the side of the base station.
2. Then insert the second Ethernet cable plug into a LAN socket on the router.

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

You can now establish VoIP connections within Gigaset.net (page 34).

Making settings for VoIP telephony

Before you can use the Internet (VoIP) to phone any other numbers on the Internet, the fixed line 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 such a VoIP provider (e.g. via your PC) and set up at least one VoIP account.

The following phone settings are necessary in order for you to use VoIP. You can obtain the following 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.

Automatic configuration:

If your provider supports "automatic configuration", you will receive an "auto configuration code" from your provider instead of an authentication name and password.

You will need to set the VoIP configuration with the auto configuration code via the Web configurator on the base station (see page 104 "Connecting PC with Web configurator" and page 111 "Configuring the VoIP connection")
First steps

Starting the connection assistant

Precondition: The base station is connected to the mains power supply and a router. Your router is connected to the Internet (page 15).

Tip: Leave VoIP activated as the default connection for your telephone (default setting, page 98). The telephone then attempts to establish a connection directly to your VoIP provider’s server after the connection assistant is closed. If incorrect/incomplete information means that the connection cannot be established, messages will be displayed (page 18).

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. Turn to page 101 to find out how to assign your phone a static IP address if necessary.

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

You will see the following display:

Please note: The connection assistant 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 assistant at any time via the menu (page 99).

Downloading VoIP provider data

The phone establishes a connection with the Siemens server on the Internet. Various profiles with general access data for different VoIP providers can be downloaded here.

After a brief period you will see the following display:

Select country (press up/down on the control key) and press \[\text{OK}\]. VoIP providers for which VoIP profiles are available will be displayed.

Select your VoIP provider and press \[\text{OK}\].

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

If the data for your VoIP provider is not available for download, press the \[\text{display key}\] twice. You can then carry out the following steps with the connection assistant.

You must then make the required VoIP provider settings using the Web configurator (page 111). 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.

You can enter five additional VoIP accounts (VoIP phone numbers) via the Web configurator at a later stage (page 110). Your phone (together with your fixed line number) can then be reached on up to seven different phone numbers. You can assign the phone numbers to the individual handsets that are registered with the base station as send and receive numbers (page 120).

**Username:**
Enter the user name and press OK if this is required by your provider.

**Authent. Name:**
Enter the registration name and press OK.

**Authent. Password:**
Enter password and press OK.

**Please note:**
When making these entries, please remember the VoIP user data is case sensitive. When you enter text, the first letter is capitalised by default. If necessary, press and hold the # key to switch between upper and lower case and numbers.

If you have made all the required entries, the message "Connection data complete" will appear on the display.
Then the Gigaset.net assistant is started.

**Entering your name in the Gigaset.net directory**

With Gigaset.net you can call other Gigaset.net users directly over the Internet free of charge, without setting up an account with a VoIP provider and without making any further settings. You can find Gigaset.net subscribers by carrying out a name search in the Gigaset.net directory (page 34).

The following appears in the handset's display:

- Press the display key.
- Enter your Gigaset.net name:
  Enter the name that you would like to be listed under in the Gigaset.net directory and press OK. The name may contain up to 25 characters.

A connection to the Gigaset.net server is established.
If there is already an entry under this name, you will receive a message to this effect and you will be asked to enter a name again.
If an entry in the Gigaset.net directory is successful, the message "Your user name is successfully added to Gigaset.net!" is displayed briefly.

If the attempt to create the entry fails (e.g. because the phone is not connected to the Internet), a message to this effect is displayed briefly (see page 18). You can then create the entry later via the Gigaset.net directory (see page 36).
First steps

Completing the VoIP settings
After the entries have been completed, the handset reverts to idle status.
If all the settings are correct and if the phone can establish 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 line network and the Internet. Callers can reach you on your fixed line 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.
- If you try to make a call via a VoIP connection that is not configured correctly, the following VoIP status message will appear on the display: IP configuration error: xxx or VoIP config. error: xxx (xxx = VoIP status code). The various status codes and their respective meanings can be found in the appendix on page 140.

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, errors have occurred:
- Server not accessible!
- Provider registration failed!
Below you will find possible causes and measures you can take.

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 may not have been possible to dynamically assign an IP address to the phone
  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.
- Press the paging key on the base station. The IP address appears on the handset display.
- Press the talk key on the handset to end paging call.
- 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. In particular, check your use of upper and lower case.
  - To do this, open the following menu on your handset:
    - Telephony → VoIP (enter system PIN) → Provider Registr.
  - The server address for the VoIP server has not yet been entered, or has been entered incorrectly.
    - Start the Web configurator.
    - Open the following Web page:
      - Settings → Telephony → Connections.
    - Click the Edit button next to the first VoIP connection.
    - 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 5060) and the RTP port (Standard 5004), it is advisable to deactivate DHCP and assign the phone a static IP address (otherwise you may not be able to hear the other party during VoIP calls):
- Assign IP address via the handset menu:
  - Settings → Base → Local Network
  Or
- Assign IP address via the Web configurator:
  - Open the following Web page:
    - Settings → IP Configuration.
  - Select IP address type.
Please note that the IP address and subnet mask depend on the router’s address block. You must also enter the standard gateway and DNS server. The IP address for the router is generally entered here.

Belt clip and headset
By using a belt clip and headset (optional) you can easily make your handset a constant companion both inside the building and in its immediate vicinity.

Attaching the belt clip
There are notches for attaching the belt clip on both sides of the handset at the top and at the same height as the display.
- Press the belt clip onto the back of the handset so that the protrusions on the belt clip engage with the notches.

Connection socket for headset
You can connect various headset types (with 2.5 mm jack connector), including HAMA Plantronics M40, MX100 and MX150.
A compatibility list of tested headsets is available on the Internet at:
www.plantronics.com/productfinder
ECO DECT: reducing the transmission power and power consumption

The base station of your phone is an ECO DECT base station, this means that:

- The base station uses less power because it is equipped with a power-saving mains adaptor.
- The reduction of the handset's transmission power is dependent on the handset's proximity to the base station.
- The base station can also be switched to eco mode. Eco mode reduces the transmission power and power consumption of the base station. This can be set on your handset.

Activating/deactivating eco mode

Precondition: Repeater support must be deactivated.

[Menu] → [Base] → Add. Features
Eco Mode Select and press OK (✓ = on).

Eco mode enables an additional reduction in the transmission power of the Gigaset S67H/S68H handset. If, with Eco mode activated, the transmission power of both the base station and the handset is reduced, the ⚡ icon is shown in the top line of the display.

Please note:
- Activating eco mode reduces the range of the base station.
- Eco mode and repeater support cancel each other out, i.e. both functions cannot be used at the same time.
Menu trees

Phone menu

Open the main menu on your phone by right-clicking the control key when the handset is in idle status: \( \text{OK} \).

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:** \( \text{OK} \) \( \text{OK} \) \( \text{OK} \) \( \text{OK} \) for "Set handset language".

**Scrolling through the menus**
- In the main menu: navigate to the function using the control key \( \text{OK} \) \( \text{OK} \) (press up/down or left/right) and press \( \text{OK} \).
- In the submenus: scroll to the function with the control key \( \text{OK} \) \( \text{OK} \) (press up or down) and press \( \text{OK} \).

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Web configurator menu

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      - Network Mailbox
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    - Messenger
    - E-Mail
  - Services
  - Handsets
  - Miscellaneous
  - Device
Making calls with VoIP and the fixed line network

Making calls with VoIP and the fixed line network

Making an external call

External calls are calls made via the public telephone network (fixed line network) or via the Internet (VoIP). You generally decide which connection type you want to use for a specific call when you dial the number.

Please note:
- You can conduct up to three separate external calls via your base station (using different handsets): two calls via VoIP and one via the fixed line network.
- You can define dialling plans for certain numbers or area codes by determining the connection and therefore the billing method to be used (cost control, see page 124) when these numbers are dialled.
- Dialling with the directory (page 41), quick dial keys (page 87) or last number redial list (page 48) saves repeated keying of phone numbers. You can modify or add to these numbers on a call-to-call basis.
- If you use VoIP to make a call to the fixed line network, you may also have to dial the area code for local calls (depending on the VoIP provider). You can avoid having to dial your own area code by entering it into the configuration (page 123). Your area code is then added automatically when you make local calls.

Use the talk key to select the type of connection and make the call

By briefly pressing or pressing and holding the call key [A], you can determine the type of connection for the call you want to make (fixed line network or VoIP).

Precondition: You enter the number without a line suffix (page 27) and have not defined any dialling plans for this number.

Press the talk key A and briefly press and hold the talk key to make a call via the standard connection.

Press and hold the talk key if you want to make the call via the non-default connection.

If you have assigned a number of VoIP numbers to your phone, you can define which VoIP number (VoIP account) is used for external calls (VoIP account, page 120).

Please note:
If you are using a GAP compatible handset other than the Gigaset handsets C47H, S67H, S68H, SL37H, S45 and C45, every call 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 connection type using display keys and making a call

Precondition: The display keys on your handset have been assigned FixedLine and/or IP (page 87).

Press the display key to select the connection type.

Enter the number or select from the directory.

Press the talk or handsfree key. The number will always be called via the selected connection type.
Making calls with VoIP and the fixed line network

Example: If you enter the number 1234567890#1 and press the talk key , the number 1234567890 will be dialled via the first VoIP connection in the configuration.

Please note:
If you specify a suffix for which no VoIP connection is configured in your base station, the VoIP status code 0x33 will be displayed. The number will not be dialled.

Select and dial a connection via your line suffix

You can configure up to six VoIP numbers on your phone in addition to the fixed line network number and the Gigaset.net number. A (line) suffix is assigned to each number (line) of your phone:

- the fixed line number has the suffix #0
- VoIP numbers have the suffixes #1 to #6 (page 111)
- the Gigaset.net number has the suffix #9

When dialling, you can use this line suffix to specify the connection via which you would like to call or be charged.

Enter the number of the party you wish to call.
Add the suffix for the connection (your phone number) through which you wish to make and pay for the call.
Press the talk key.

The connection is always made via the line with the assigned suffix, regardless of whether you press the call key briefly or press and hold.

Please note:
If you have pressed the IP before dialling and ...
- ... dialled the number with suffix #1 to #6, your call will be made via the VoIP account assigned to the suffix. The number will not be dialled if the suffix is invalid (e.g. no VoIP connection assigned).
- ... dialled the number without a suffix or with the suffix #0, your call will be made via the handset's VoIP send number.

Do not enter a suffix if you have pressed the display key FixedLine prior to dialling. Otherwise the suffix will be dialled together with the number via the fixed line network. This may cause errors!

Entering an IP address

You can also dial an IP address instead of a phone number using VoIP.

- Press the star key * to separate the sections 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).

You cannot dial IP addresses using a line suffix.

 Cancelling the dialling operation

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

Gigaset S68H: Continuing a call on a Bluetooth headset

Precondition: Bluetooth is activated; a connection has been established between the Bluetooth headset and the handset (page 94).

Press the talk key on the Bluetooth headset; it may take up to 5 seconds to establish a connection to the handset.

For further details about your headset, see the user guide issued with it.
Making calls with VoIP and the fixed line network

Dialling emergency numbers – defining dialling plans

You can use the Web configurator to block certain numbers or to define which of your numbers (fixed line network, VoIP) should be used to call specific numbers (Dialling Plans, see page 124).

If you enter a number that has a defined dialling plan, the call will be made via the line defined in the dialling plan – regardless of whether the talk key is pressed briefly or pressed and held. Any automatic area code will not be prefixed to the number.

Emergency numbers

Dialling plans for emergency numbers (e.g. the local emergency service number) are factory-set for certain countries. Emergency calls are then always made via the fixed line network.

You cannot delete or deactivate these dialling plans. However, you can change the connection through which each emergency number should be called (e.g. if the phone is not connected to the fixed line network). You must make sure that the VoIP provider for the selected connection supports emergency calls.

If your phone does not have default dialling plans for emergency calls, you should define the rules yourself (page 124). Assign them to a connection that you know supports emergency calls. Emergency calls are always supported by fixed line networks.

Please note: If no rules are defined for emergency numbers and you have programmed an automatic local area code (page 123), the code will be prefixed to emergency numbers as soon as they are dialled via a VoIP connection.

Please note:

Emergency numbers cannot be dialled if the keypad lock is activated. Before dialling, press and hold the hash key (#), to release the keypad lock.

Ending a call

Press the end call key.

Accepting 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 ( ).

Please note:

Only calls to receive numbers assigned to your handset will be signalled (page 120). Calls made to a number that is not assigned to a handset as a receive number will not be signalled on any handset.

You can accept the call by:

- Pressing the talk key ( ).
- Pressing the handsfree key ( ).
- Pressing the display key ( ) to forward the call to the answer machine (page 65).

If the handset is in the charging cradle and the Auto Answer function is activated (page 88), the handset will take a call automatically when you lift it out of the cradle.

If the ringer tone is intrusive, press the Silence display key. You can accept the call so long as it is displayed on the screen.

Please note:

You can reject VoIP calls by pressing the end call key ( ). The caller receives an appropriate message.

Pressing the end call key on an incoming call from the fixed line network will cancel the ringer tone (same as Silence).
**Gigaset S68H:**
**Accepting a call on a Bluetooth headset**

**Precondition:** Bluetooth is activated; a connection has been established between the Bluetooth headset and the handset (see page 94).

**Only when the headset rings:** Press the talk key on the headset. It may take up to 5 seconds to establish a connection to the handset.

For further details about your headset, see the user guide issued with it.

**Calling Line Identification**

When you receive a call from the Internet, the caller’s number and/or the name they have specified is displayed on the screen.

When you receive a call from the fixed line network, the caller’s number is displayed on the screen if the following conditions are met:

- Your fixed line network provider supports CLIP, CLI:
  - CLI (Calling Line Identification): number of the caller is transmitted
  - CLIP (Calling Line Identification Presentation): the caller’s number is displayed
- You have arranged CLIP with your network provider.
- The caller has arranged CLI with the network provider.

If the phone number is identified and the caller’s number is saved in your handset’s local directory, the name will be displayed from the directory. A CLIP image allocated to the name will also appear in the display.

If the caller’s phone number is not saved in the local directory the caller’s surname and first name will be displayed from the currently active online directory.

**Precondition:** You have activated this option (see Web configurator page 129).

---

**Call display**

You can use the display to determine whether the call is for your fixed line network number or one of your VoIP numbers.

**Calls to your fixed line number**

- 1 Ringer icon or the CLIP picture assigned to the caller (page 42)
- 2 Number or name of caller
- 3 Display of the receive number: The name is displayed that you have assigned to your fixed line network number (page 116).

**Calls to your VoIP number**

- 1 Ringer icon or the CLIP picture assigned to the caller (page 42)
- 2 Number or name of caller
- 3 Receive number: Indicates which of your VoIP phone numbers the caller has dialled.
  You assign the names when you enter the VoIP phone numbers into the phone (page 112). For calls from Gigaset.net, for Gigaset.net is displayed.
Making calls with VoIP and the fixed line network

Adopting the name from the online directory
You can display the name under which the caller is saved in the online directory.

Preconditions:
- The provider of the online directory you have set for your telephone (page 129) supports this function.
- You have activated the "display caller name" function via the Web configurator (page 129).
- The caller has authorised Calling Line Identification and has not suppressed the function.
- Your telephone is connected to the Internet.
- The caller's number is not saved in the handset's local directory.

The following is displayed in place of the number:
- For calls to one of your VoIP numbers (example):
  ![VoIP call display](image)

- For calls to your fixed line network numbers:
  - External, if no number is transmitted.
  - Withheld, if the caller has withheld Calling Line Identification.
  - Unavailable, if the caller has not arranged Calling Line Identification.

VoIP: Displaying the called party's phone number (COLP)

Preconditions:
- Your VoIP provider supports COLP (Connected Line Identification Presentation). You may have to ask your provider to activate COLP (contact your VoIP provider for more information).
- The called party has not activated COLR (Connected Line Identification Restriction).

For outgoing VoIP calls, the phone number of the connection on which the call is received is displayed on the handset. The displayed number may differ from the number you have dialled. Examples:
- The called party has activated call forwarding.
- The call is answered by another connection within a PABX system.

If there is an entry in the directory for this phone number, the corresponding name will be displayed.
Operating the handset

Handsfree talking

In handsfree mode, instead of holding the handset to your ear you can put it down, for example on the table in front of you. This allows others to participate in the call.

Activating/deactivating handsfree mode

Activating while dialling

Enter number and press briefly/press and hold the handsfree key to select the connection type (page 26).

You should inform your caller before you use the handsfree function so that they know someone else is listening.

Switching between earpiece and handsfree mode

Press the handsfree key to activate/deactivate handsfree talking during a call and when listening to the answer machine of a Gigaset S675/S685 IP.

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

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.

For how to adjust the loudspeaker volume, see page 88.

Please note:

- The number of the connection you have reached (or the assigned name) will also be displayed instead of the called number during toggling, conference calls and consultation calls.
- When the phone number is copied to the directory (Options > Copy to Directory) and the last number redial list, the dialled number (not the displayed number) is copied.

Muting the handset

You can deactivate the microphone in your handset during an external call. Your caller will hear hold music, if activated (page 97).

Muting the handset

Press the control key on the left to mute the handset.

 Cancelling muting

Press the display key or the end call key to cancel the muting.

Operating the handset

Activating/deactivating the handset

In idle status, 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.

The keypad lock deactivates automatically when you receive a call and activates again after the call.

Please note:

The handset displays an advisory message if you press a key by accident while the keypad lock is on. To deactivate the keypad lock, press and hold the hash key.


Operating the handset

Control key

In this user guide, the side/position of the control key that you must press in the given operating situation is shown in black (top, bottom, right, left). Example: for “press up on the control key”.

The control key has a number of different functions:

When the handset is in idle status

Press briefly to open the handset directory.
Press and hold to open the list of available online directories.
Open the main menu.
Open the list of handsets.
Call up the menu for setting the handset’s call volume (page 88), ringer tones (page 89) and advisory tones (page 90).

In the main menu and in input fields

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

In lists and submenus

Scroll up/down line by line.
Open the submenu.
Go back one menu level or cancel.

During an external call

Briefly press to open the handset directory.
Press and hold to open the Gigaset.net directory.
Initiate an internal consultation call.
Adjust the loudspeaker volume for earpiece and hands-free mode.

Display keys

The current display functions are shown in the bottom display line and are reversed-highlighted. 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

The most important display icons are:

Left display key, as long as it has not been assigned a function (page 87).
Open a situation-dependent menu (context menu).
Delete key: deletes one character at a time from right to left.
Go back one menu level or cancel operation.
Fetch e-mail address from the directory.
Copy number into directory.
Forward external call to answer machine.
Reverting to idle status

You can revert to idle status from anywhere in the menu as follows:

- 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 Entry OK will be lost.

You can find an example of the display in idle status on page 1.

Menu guidance

Your telephone's functions are accessed using a menu that has a number of levels.

Main menu (first menu level)

- To open the main menu, press with the handset in idle status.

The main menu functions are shown in the display as a list with colour icons.

Accessing a function

- Navigate to the function using the control key / . The name of the function is displayed in the display header. Press the display key OK.

Or:

- Enter the number that is in front of the function in the menu tree (page 21) (shortcut).

The corresponding submenu (the next menu level) is opened.

Submenus

The functions in the submenus are displayed as lists.

To access a function:

- Scroll to the function with the control key / and press OK.

Or:

- Enter the number combination that is in front of the function in the menu tree (page 21) (shortcut).

Briefly press the end call key once to return to the previous menu level/cancel the operation.

Correcting incorrect entries

You can correct incorrect characters in the text by navigating to the incorrect entry using the control key. You can then:

- Press to delete the character to the left of the cursor.
- Insert a new character to the left of the cursor.
- Overwrite the flashing character when entering time and date, IP addresses etc.

You will find examples of icons used, menu entries and multiple line input in the appendix to this user guide, page 146.
VoIP telephony via Gigaset.net

You can use 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 (page 17/page 36).

Gigaset.net is a VoIP service provided by Siemens Home and Office Communication Devices GmbH und Co KG, which is available to all users with a Gigaset VoIP device.

You can call other subscribers to Gigaset.net free of charge, i.e. there are no telephone charges other than the costs for your Internet connection. Connections to/from other networks are not possible.

Please note:
Gigaset.net supports broadband telephony: Gigaset.net calls that you make from your Gigaset S685/S675 IP (base station and handset) with a different broadband-capable terminal have excellent sound quality.

Every Gigaset VoIP device is assigned a Gigaset.net phone number by default (page 142).

All registered subscribers are included in the Gigaset.net directory, which you are able to access.

You can use an echo service provided by the telephone number 12341#9 on the Gigaset.net Web page to test your VoIP connection

After an announcement, the echo service sends back the voice data you have sent immediately in the form of an echo.

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

Please note:
If you do not use your Gigaset.net connection for six weeks, it is automatically deactivated. You cannot be reached for calls from the Gigaset.net.

The connection is re-activated:
- as soon as you start a search in the Gigaset.net directory or
- make a call via Gigaset.net (dial a number with #9 at the end) or
- activate the connection via the Web configurator (page 116).

Searching for subscribers in the Gigaset.net directory

Your handset is in idle status.

Press and hold.

If necessary, select Gigaset.net from the list of available online directories and press OK.

Or:
- Open the directory with the [ ] button.
- Select the directory entry Gigaset.net and press the talk key [ ] A connection to the Gigaset.net directory is established.

Please note:
- The Gigaset.net directory entry is transferred to a handset when it is registered with the base station. Provided the handset can send and receive directory entries.
- Calls to the Gigaset.net directory are always free of charge.
- You can also open the Gigaset.net directory by dialling 1188#9 (phone number of the Gigaset.net directory) and pressing the talk key [ ].
If no connection can be made to the Gigaset.net directory, an error message will be sent and the handset will go into idle status.

Once the connection has been established, you will be asked to enter a name that you want to search for.

Nickname search:
- Enter the name or part of a name (max. 25 characters).
- Press the display key.

Start search: Select and press OK.

If the search has been successful, a hit list will be displayed of all the names that begin with the specified character string.

Example:

1. 3/50: Entry number/number of hits
2. Name of an entry, possibly abbreviated

You can scroll through the hit list with q.

If it has not been possible to find a matching entry, a corresponding message is displayed. You have the following options:
- Press the display key New to start a new search.

Or
- Press the display key Change to change the search criteria. The previously entered name is copied and can be edited.

If there are too many matching entries in the Gigaset.net directory, the message Too many entries found! is displayed instead of a hit list.

Press the display key Refine to start a refined search. The previously entered name is copied and can be edited/expanded.

**Calling subscribers**

- Select the subscriber from the hit list and press the talk key.

**Viewing the subscriber’s number**

- Select the subscriber from the hit list.
- Press the display key.

The display shows the Gigaset.net number and the subscriber’s name, whereby the name may appear over a number of lines.

**Please note:**
- Connections to Gigaset.net are always established via the Internet irrespective of which default connection is set on your phone. Pressing and holding c or pressing it briefly and a "*" at the end of the number have no effect.
- You can open the Gigaset.net directory and establish connections, even if you have not entered yourself in the Gigaset.net directory.

**Using other functions**

**Precondition:** The hit list is displayed.

- (select entry) ➔ Options

The following functions can be selected with c:

Add to directory
- Copy the number to the handset directory. The number and name (where appropriate abbreviated, max. 16 characters) are copied to the directory.
- Edit and save entry where appropriate (page 41).

The hit list is displayed again.
New search
Start a search with a new name (page 35).

Own details
See "Entering, editing and deleting own entry" on page 36.

Please note:
If you select a Gigaset.net number from the local directory, the connection is automatically established via the Gigaset.net (Internet).

Entering, editing and deleting own entry

You have the following options:
- Edit the name of your entry in the Gigaset.net directory
- Delete your entry from the Gigaset.net directory
- If you did not enter a name when using the phone for the first time (page 17), specify a name and enter yourself in the directory.

Viewing own entry

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.

Entering/editing a name

Edit Press the display key.
Edit name or enter new name (max. 25 characters) and press OK.
You can delete the name with C.

If there is no existing entry with this name in the Gigaset.net directory, the name is saved. A message to this effect is displayed. The handset switches to idle status.
If there is an existing entry with this name, or the entered name contains impermissible characters, you will be requested to enter a different name.

Please note:
If you delete the name, your entry will be deleted from the directory. You are no longer "visible" to other Gigaset.net subscribers. However, you can still be reached via your Gigaset.net number. For information on how to display the number, see page 142.

Calling a Gigaset.net subscriber

You can call a Gigaset.net subscriber directly via the Gigaset.net directory (see above) or via their Gigaset.net number:
- Enter the Gigaset.net number (including the #9) or select from the handset directory.
- Press the talk key.

Every number ending with #9 is dialled via Gigaset.net.
Network services

Network services are functions made available by your fixed line network or VoIP provider.

Anonymous calling – withholding caller ID

Phone number identification can be withheld (CLIR = Calling Line Identification Restriction). Your number will not be displayed when making outgoing calls. You are calling anonymously.

Preconditions:
- For anonymous calls via your fixed line network connection you need to have requested the relevant service (feature) from your fixed line network provider.
- Anonymous calls are only possible via VoIP connections through providers that support the “anonymous calling” function. You may have to ask your VoIP provider to activate this function.

Activating/deactivating anonymous calling for all calls

Withholding caller ID can be activated/deactivated permanently for all your phone’s connections (fixed line network and VoIP).

When this function is activated, the phone number will be withheld both for fixed line network calls and for calls via a VoIP connection. Withholding caller ID is activated for all registered handsets.

Activating/deactivating "anonymous calling" for the next call

You can change the setting for withholding caller ID for the next call.

Select and press [OK] (= on).

If the Always anon. function is activated, Withhold number active is shown in the handset’s idle display.

Further network services in the fixed line network

The following network services can only be used for making calls via the fixed line network. You will need to request them from your fixed line network provider.

If you require assistance, please contact your network provider.

Settings for all calls

If you have completed one of the following procedures, a code is sent.
- After confirmation from the telephone network, press the end call key [结束].

You can set the following features:

General call forwarding

When:
- Select All Calls / No Answer / When Busy.
- All Calls: Calls are forwarded immediately, i.e. no more calls to your fixed line number are signalled on your phone.
Network services

No Answer: Calls are forwarded if no-one replies within several rings.
When Busy: Calls are forwarded if your line is busy.

Call No.:
Press the display key **Edit**. Enter number to which call is to be forwarded and press **Save**. You can enter a fixed line, VoIP or mobile number.

Status:
Activate/deactivate call forwarding.

- Press the display key **Send**.
- Press the end call key **after** the announcement from the telephone network.

Activating/deactivating call waiting
If call waiting is activated, a caller on the fixed line network will hear the ringing tone if you are already conducting a phone conversation using your fixed line connection. This call is announced acoustically and visually on your handset screen.

Calls on the VoIP connection are not shown as call waiting. They are signalled on other registered handsets. If no other handset is available, the caller will hear the busy tone.

Accepting/rejecting a waiting call, see page 38.

- **Fixed Line** ➔ **Call Waiting**

Status: Activate/deactivate.

- Press the display key **Send**.
- Press the end call key **after** the announcement from the telephone network.

**Please note:**
The setting does not affect the procedure for call waiting on the VoIP connection. For how to activate/deactivate call waiting for the VoIP connection, see page 39.

Functions during a call

Initiating ringback
You hear the busy tone.

- **Options ➔ Ringback**

- Press the end call key **after** the announcement from the telephone network.

Consultation call
During a call:

- **Ext.Call** Press the display key.
- **Enter a number or copy it from the directory and press **OK**.**

The number will be dialled via the fixed line connection.

**Please note:**
After a few seconds, the number selected for a consultation call is saved in the last number redial list.

You have the following options:

- **Toggling:**
  - Use **to toggle between the participants.**
  - End call with active participant: **End Active Call**.
  - End call with both participants: press the end call key **after** the announcement from the telephone network.

Accepting a waiting call
Precondition: Call waiting is activated (page 38).

- **Accept** Press the display key.

Or: if the caller’s number is not transferred:

- **Options ➔ Accept waiting call**

You have the option of toggling or holding a conference call.

**Please note:**
- Without CLIP, a waiting call is only announced with a signal tone.
- If the first call was an internal call, the internal connection is ended.
- An internal call waiting is shown on the display. You can neither accept the internal call nor reject it.
Functions after a call

Cancelling ringback

If you have cancelled the ringback, a code is sent.

After confirmation from the telephone network, press the end call key ( ).

Further network services for VoIP

You can use the following network services to make calls via the VoIP connection.

Settings for all calls

General call forwarding

Precondition: The VoIP provider supports call forwarding.

Select the phone number for which you want to activate or deactivate call forwarding, and press (OK).

Change multiple line input:

When:

All Calls: Calls are forwarded immediately, i.e. no more calls are signalled on your phone for this VoIP phone number.

No Answer: Calls are forwarded if no one replies within several rings.

When Busy: Calls are forwarded if your line is busy.

Call No.:

Press the display key (Edit). Enter number to which call is to be forwarded and press (Save).

You can state a fixed line network, VoIP or mobile number for forwarding calls from a VoIP number.

You must state another Gigaset.net number for call forwarding from your Gigaset.net number.

Status:

Activate/deactivate call forwarding.

Press the display key (Save).

Please note that call forwarding from your VoIP number may incur additional costs. Please consult your VoIP provider.

Activating/deactivating call waiting

Precondition: Your phone will permit two parallel VoIP connections (s. Allow 1 VoIP call only on page 117).

If call waiting is activated, a caller on one of your VoIP connections will hear the ringing tone if you are already on a call using this VoIP connection. This call is announced acoustically and visually on your handset screen.

Calls on the fixed line connection are not signalled as call waiting. They are signalled on other registered handsets to which the fixed line number has been allocated as a receive number. If no other handset is available, the caller will hear the busy tone.

Accepting/rejecting a waiting call, see page 40.

Select All Calls / No Answer / When Busy.

Status: Activate/deactivate.

Press the display key (Save).

Please note:

The setting applies to all VoIP phone numbers. It does not affect the procedure for call waiting on the fixed line connection. For how to activate/deactivate call waiting for the fixed line connection, see page 38.
Network services

Functions during a call

Precondition: Your phone will permit two parallel VoIP connections (see Allow 1 VoIP call only on page 117).

Consultation call

During a call:

Press the display key.

Enter the number or copy from the directory and briefly press/press and hold the talk key.

The number must be dialled via VoIP.

Please note:
After a few seconds, the number selected for a consultation call is saved in the last number redial list.

If the participant answers, you have the following options:

- Toggling:
  - Use to toggle between the participants.
  - End call with active participant:
    Options End Active Call.

- Conference call:
  - Call both participants: press the display key Conf.
  - End the conference call (toggling): press display key EndConf.
  - End call with both participants: press the end call key .

- Forwarding (provider dependent):
  Precondition: You are toggling calls and you phoned the currently active participant yourself.
  - To connect the two external participants:
    Options Call Transfer
  If call forwarding was successful, a message will appear to this effect. The handset will then switch to idle.

Accepting a waiting call

Precondition: Call waiting is activated (page 39).

Accept Press the display key.

You have the option of toggling or holding a conference call.

Please note:
- If the first call was an internal call, the internal connection is ended.
- An internal call waiting is shown on the display. You can neither accept the internal call nor reject it.
Using the directory and lists

The options are:
- Directory
- Call-by-call list
- If applicable, online directories
- Last number redial list
- E-mail, SMS and messenger list
- Calls list
- Answer machine list

You can store a maximum of 250 entries in the directory and call-by-call list (the actual number depends on the size of the individual entries).

You create the directory and call-by-call list for your own individual handset. However, you can send the lists or individual entries to other handsets (page 43).

Directory/call-by-call list

Please note:
For quick access to a number from the directory or the call-by-call list (quick dial), you can assign the number to a key (page 43).

Directory

In the directory, you can save
- Up to three numbers and associated first names and surnames
- VIP designation and VIP ringer tone (optional)
- E-mail address (optional)
- CLIP pictures (optional)
- Anniversaries with reminder

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

Length of the entries (directory)
3 numbers:
each max. 32 digits
First name and surname:
each max. 16 characters
E-mail address
max. 60 characters

Please note:
Some VoIP providers do not support local calls for calls to the fixed line network. In this case, always enter the fixed line number with the area code in your directory. Alternatively, you can also use the Web configurator to define an area code, which is automatically prefixed to all numbers that are dialled via VoIP without an area code (page 123).

Call-by-call list

The call-by-call list is used to store access codes for network providers (called "call-by-call numbers"), that can be put ahead of the numbers when dialling via the fixed line network.

- Open the call-by-call list in idle status by pressing the key.

Length of entries
Number: max. 32 digits
Name: max. 16 characters

Storing a number in the directory

New Entry
Change multiple line input:
First Name / Surname:
Enter a name in at least one of the fields.
Phone (Home) / Phone (Office) / Phone (Mobile)
Enter a number in at least one of the fields.
E-mail
Enter e-mail address.
Using the directory and lists

Annivers.:  
Select On or Off.  
With setting On:  
Enter Anniversary (Date) and Annivers. (Time) (page 45) and select reminder type: Annivers. (Signal).

Caller Picture  
Precondition: Calling Line Identification (CLIP).  
If required, select a picture to be displayed when the caller calls.  
The options are:  
– CLIP pictures that are supplied with the handset.  
– Additionally for the Gigaset S68H, your own pictures that have been loaded onto the handset from your PC (page 149).  
The pictures are saved in the My Stuff section of the handset (page 90).  
▶ Save changes (page 147).

Please note:  
– To find out how to enter IP addresses, turn to page 27.  
– If you want to dial a certain number using the same line connection each time, you can add the relevant line suffix to the number in question (page 27).  
– If you add a star (*) at the end of the number, the number will be dialled via the non-standard connection (page 98), even if you briefly press the talk key ( ). On condition that no dialling plan has been defined for the number (page 124).  
– You can use the Web configurator to save the directory to a file on your PC, where it can be edited and then sent back to the handset (page 130). Or you can transfer Outlook contacts from the PC to the handset’s directory.

Storing a number in the call-by-call list

▶ New Entry  
▶ Change multiple line input:  
Number:  
Enter the number.  
Name:  
Enter name.

Selecting entries in the directory and call-by-call list

Open the directory or call-by-call list.  
You have the following options:  
✦ Use ( ) to scroll to the entry until the required name is selected.  
✦ Enter the first character of the name (in the directory: first character of the surname or of the first name if only the first name has been entered), or scroll to the entry using ( ).

Dialling with the directory/call-by-call list

Briefly press/press and hold the talk key. The number is dialled using the selected connection type (page 26).

Please note:  
You can only dial IP addresses via VoIP.

Managing directory/call-by-call list entries

(Select entry; page 42)

Viewing entries

Press the display key. The entry is displayed.  
Back with ( ).

Editing entries

Press the display keys one after the other.  
▶ Carry out changes and save.
Using other functions

/ C /  (Select entry; page 42)

Options
Open menu.
The following functions can be selected with C:

Display Number
  Change or add to a saved number and then dial it (press talk key C).

Edit Entry
  Edit selected entry.

Delete Entry
  Delete selected entry.

VIP Entry (directory only)
  Mark a directory entry as VIP (Very Important Person) and assign it a particular ringer tone. You can then identify VIP calls by their ringer tone melody.

Precondition: Calling Line Identification (page 29).

Copy Entry
  Send a single entry to a handset (page 43).

Delete List
  Delete all entries in the directory or in the call-by-call list.

Copy List
  Send complete list to a handset (page 43).

Available Memory
  Display the available entries in the directory and call-by-call list.

Using quick dial keys

How to assign numbers to the digit keys on your handset is described on page 87.

Press and hold the required quick dial key.

If there is a valid line suffix at the end of the number in the directory (e.g.: #1), the number will be dialled via the line belonging to the suffix (page 111).

A number with a hash key (#) only at the end will be dialled via the default connection.

A number with a star (*) at the end will be dialled via the non-default connection.

If no suffix is entered, the number will be dialled via the default connection. Exception: A dialling plan has been defined for the number (page 124).

Sending the directory/call-by-call list to another handset

Preconditions:

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

/ C /  (Select entry; page 42)

Options
Copy Entry / Copy List

Select the internal number of the receiving handset and press OK.

A successful transfer is confirmed by a message and confirmation tone on the receiving handset.

You can transfer several individual entries one after the other by responding Yes to the Copy next entry? prompt.

Please note:
You can also send the complete directory via data transfer, without opening the directory:

/ C /  Data Transfer Directory

Please note:

◆ Entries with identical numbers are not overwritten in the receiver handset.
◆ The transfer is cancelled if the phone rings or if the memory of the receiving handset is full.
Using the directory and lists

**Gigaset S68S: transferring the directory entries as a vCard with Bluetooth**

In Bluetooth mode (see page 94), you can transfer directory entries in vCard format, e.g. to exchange entries with your mobile.

Preconditions:
- Your own area code is stored in the phone (page 95)
- Bluetooth is activated (page 94)
- The device that you want to send the entries to (e.g. mobile), is registered with the handset as a Bluetooth device (page 94)

1. Press the display key.
2. The Known Devices list is displayed (page 94).
3. Select device and press OK.

**Receiving a vCard with Bluetooth**

If a device from the Known Devices (page 94) list sends a vCard to your handset, this occurs automatically and you are informed about it via the display.

If the sending device does not appear in the list, you will be asked on the display to enter the device PIN for the sending device:

1. If necessary, enter the PIN for the sending Bluetooth device and press OK.

The transferred vCard is available as a directory entry.

**Copying a displayed number to the directory**

You can copy numbers to the directory that are displayed in a list, e.g. the calls list or the last number redial list, in an SMS or during a call.

A number is displayed:

- Press the display key.

The directory is opened.

1. New Entry / Directory entry
2. Select and press OK.
3. The number is copied to the relevant number field (Phone (Home) / Phone (Office) / Phone (Mobile))
4. Complete the entry if necessary, see page 41.

During the number transfer from the answer machine list, the message playback is interrupted.

**Copying a number or e-mail address from the directory**

In many operating situations, you can open the directory to copy a number or e-mail address, for example. Your handset need not be in idle status.

- Depending on the operating situation, open the directory with or .
- Select an entry (page 42).
Saving an anniversary in the directory

You can save an anniversary for every number in the directory and specify a time when you will receive a reminder call on the anniversary.

Anniversaries are automatically recorded in the calendar (page 92).

Press the display keys one after the other.

Scroll to the Annivers.: line.

Select Off.

Change multiple line input:

Anniversary (Date)
Enter day/month/year in 8-digit format.

Annivers. (Time)
Enter the hour/minute for the reminder call in 4-digit format.

Annivers. (Signal)
Select the type of signal for the reminder.

Save changes (page 147).

Please note:
A time must be specified for reminder calls. If you select a visual signal, a time is not required and is automatically set to 00.00.

Deactivating anniversaries

Press the display keys one after the other.

Scroll to the Annivers.: line.

Select Off.

Press the display key.

Reminder call on an anniversary

A reminder call is signalled on the handset using the selected ringer tone.

You have the following options:

SMS Write an SMS.

Off Press the display key to acknowledge and end the reminder call.

Viewing missed anniversaries

In idle status, you are reminded of an elapsed and unacknowledged anniversary by the one-off display of Appoint.

View appointment:

Press the display key.

You now have the following options:

SMS Write an SMS.

Delete Delete reminder.

After deleting, press the display key or Go Back:
Back in idle status, Appoint. is no longer displayed.

You can also view missed anniversaries afterwards (see page 93).

Using online directories

You can use online directories (= online directories and classified directories, e.g. "Yellow Pages") depending on your provider.

You can define which online directories you wish to use via the Web configurator (page 129).

Exclusion of liability

Siemens Home and Office Communication GmbH & Co KG assumes no guarantee or liability for the availability of this service. The service may be discontinued at any time.

Opening an online/classified directory

Precondition: The handset is idle and a VoIP connection is available.

Press and hold. This opens the list of online directories. Provider-specific names appear in the display.

Select directory (online directory or classified directory) from the list and press OK.
Using the directory and lists

Or:

You can find the Net Directory, Yellow Pages entries for online directories in the local directories of the registered handsets. You can use these entries to access the online directories assigned to your handset (page 129).

- Open the directory with the \button.\n- Select the Net Directory entry for the online directory or the Yellow Pages entry for the classified directory and press the talk key \button.\n
This establishes a connection to the online directory or the classified directory.

Please note:
- The directory entries Net Directory / Yellow Pages are transferred to the handset when it is registered with the base station (page 81). Precondition: The handset can receive directory entries.
- You can also establish a connection to the online directory as follows:
  - When the handset is idle, dial 1#91 and then press the talk key \button.\n  - To establish a connection to the classified directory, dial 2#91.
  - To establish a connection to the Gigaset.net directory, dial 1188#9.

Calls to the online directory are always free of charge.

Searching for an entry

Precondition: You have opened the online telephone/classified directory.

- Making a multi-line entry:
  - Surname: (Online directory) / Category/Name: (Classified directory)
    - Enter the name, part of a name or the trade sector (max. 30 characters).
  - City: Enter the name of the town in which the subscriber you are searching for lives.
  - Number: Enter the number (max. 30 characters).

- Press the display key \Search\ to start the search.

You must make an entry in either Surname: or Category/Name: and in City: or in Number. Searching by number is only possible if supported by the online directory you have selected. Entering text see page 147.

A list of found towns will be displayed if the search returns more than one result:

- Select the town.
  - Use \View\ to display detailed information on the selected town.
  - If no matching town is found: Press \Edit\ if you want to change the search criteria.
  - The entries for Category/Name and City are adopted and can be changed.

\OK\ Press the display key to continue the search.

A corresponding message will appear on the display if no subscriber is found to match the search criteria. You have the following options:

- Press the display key \New\ to start a new search.
Or

- Press the display key **Edit** to change the search criteria. The stated name and town are adopted and can be changed.

No hits will be displayed if the list of hits is too large. A message to this effect is displayed.

- Press the display key **Refine** to start a refined search (page 47).

Or

- Provider-dependent: You can view the list if the number of hits is shown on the display. Press the display key **View**.

### Search result (hit list)

The search result is shown as a list on the display. Example:

<table>
<thead>
<tr>
<th>Net Directory</th>
<th>2/50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sand, Marie Elisabeth...</td>
<td>0049123456789</td>
</tr>
<tr>
<td>Parkstraße 11</td>
<td>Berlin, Germany</td>
</tr>
</tbody>
</table>

1. 2/50: Consecutive number/total number of hits (only the consecutive number is displayed if the total number of hits >99)

2. Four lines with subscriber’s name, trade sector, telephone number and address (possibly abridged)

You have the following options:

- You can scroll through the hit list with **[ ]**.

- Press the display key **View**. Displays the unabridged details of the entry (name, trade sector where applicable, address, telephone numbers). You can scroll through the entry with **[ ]**.

### Calling subscribers

**Precondition:** A hit list is displayed.

- Select the entry and press the talk key **[ ]**.

This dials the number in the display if there is only one number.

A list of numbers appears if there is more than one number.

- Select the number with **[ ]** and press the talk key **[ ]** once again.

### Start detailed search

You can use the search options available in the detailed search (first name and/or street) to limit the number of hits returned by a previous search.

**Precondition:** A search result is displayed (hit list with multiple entries or a message indicating too many hits).

- Press the display key **[ ]**.

Or

- Press **Options** ➤ **Refine search**. Select and press **OK**.

The search criteria from the previous search are adopted and entered in the corresponding fields.

**Surname:** (Online directory) /
**Category/Name:** (Classified directory)

If necessary, change name/trade sector or extend partial name.
Using the directory and lists

City: If necessary, change the name of the town.
Street: If necessary, change the name of the street (max. 30 chars.).
First name: (only in the online directory)
If necessary, enter the first name (max. 30 characters).

§Search§ Start detailed search.

Last number redial list

The last number redial list contains the 20 numbers last dialled with the handset (max. 32 digits). If one of the numbers is in the directory, the corresponding name will be displayed.

Dialling from the last number redial list

Press the key briefly.
Select an entry.
Briefly press/press and hold the talk key. The number is dialled using the selected connection type (page 26).

When a name is displayed, you can display the corresponding phone number by pressing the §View§ display key.

Managing entries in the last number redial list

Press the key briefly.
Select an entry.
Open menu.

The following functions can be selected with §Options§:

Copy to Directory
Copying a displayed number to the directory (page 44).

Automatic Redial
The selected number is automatically dialled at fixed intervals (at least every 20 seconds). The handsfree key flashes and "open listening" is activated.

– Party answers: press the talk key . The function is ended.
– Party does not answer: the call is terminated after approx. 30 seconds. The function is ended after pressing any key or after ten unsuccessful attempts.

Display Number
(As in the directory, page 43)

Delete Entry
Delete selected entry.

Delete List
Delete complete list.

Opening lists with the message key

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

◆ Answer machine list
◆ Network mailbox, see page 78
A separate list is displayed for each network mailbox.

Precondition: Its number is saved in the base station, it is switched on (page 78, page 126) and the corresponding VoIP/fixed line network number is assigned to the handset as a receive number.

◆ SMS list, see page 55
If several mailboxes are set up (page 57), several lists will be displayed, if required.

◆ Incoming e-mail list, see page 68
The list is only shown if new messages have arrived in the mailbox from the incoming e-mail server.

◆ Calls list
◆ Messenger message list, see page 75
The list is only shown on the handset that is online.
An advisory tone sounds as soon as a **new message** arrives in a list. The key flashes (it stops when the key is pressed). In idle status, the display shows an icon for the new message:

<table>
<thead>
<tr>
<th>Icon</th>
<th>New message...</th>
</tr>
</thead>
<tbody>
<tr>
<td>☑</td>
<td>... in one of your network mailboxes or...</td>
</tr>
<tr>
<td>☑</td>
<td>... in the answer machine list</td>
</tr>
<tr>
<td>☑</td>
<td>... in calls list</td>
</tr>
<tr>
<td>☑</td>
<td>... in the SMS, messenger or e-mail list</td>
</tr>
</tbody>
</table>

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

**List selection**

Pressing the button will only display lists that contain messages and also the network mailbox lists Net AM: ... Lists with new messages are shown first and identified in bold. The number of messages received are shown in brackets. If a list contains no new messages, the number of old messages will be shown. Exception: (0) is displayed for network mailboxes.

**Example:**

<table>
<thead>
<tr>
<th>Messages &amp; Calls</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net AM: IP1 (1)</td>
</tr>
<tr>
<td>Ans M.: (2)</td>
</tr>
<tr>
<td>Calls List: (4)</td>
</tr>
<tr>
<td>Net AM: Fkd. line (0)</td>
</tr>
<tr>
<td>Net AM: IP2 (0)</td>
</tr>
</tbody>
</table>

- Select a list with [ ] and press [OK].

**Calls list**

**Precondition:** Calling Line Identification (CLIP, page 29).

Depending on the type of list set, the calls list contains

- Received calls (marked with [✓])
- Missed calls

The numbers of the last 30 calls are saved. Multiple calls from the same number will be stored once in the list of missed calls (the latest call). The number of calls from this number is shown in brackets after the entry.

Multiple calls from the same number are stored several times in the list of answered calls.

The list of missed calls does not contain calls that were answered and calls that were recorded by the answer machine.

**Please note:**

- Only calls to the receive numbers assigned to your handset are stored in the calls list (page 120). If no receive numbers are assigned, all calls will be stored in the calls list for all handsets.
- You can also call up the call history via the menu: [ ] [ ]

**Setting the calls list type**

[ ] [ ] Base [ ] Calls List Type

**Missed Calls / All Calls**


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

The calls list entries are retained when you change the list type.
Using the directory and lists

List entry in calls list

New messages are displayed at the top.
Example of list entries:

- List type in header: Missed Calls, All Calls
- Status of entry
  Bold: New entry
- Number or name of caller
  You can add the caller's number to the directory (page 44).
- Date and time of call (if set, page 11)

Managing entries in the calls list

Pressing the display key §Delete§ deletes the marked entry.
After pressing the display key §Options§ you can select more functions with §:
- Copy to Directory
  Copying a displayed number to the directory.

Information
If a URI was received and stored for a VoIP call, this will be shown. The URI is dialled if you press the talk key §. The URI is not entered on the last number redial list.

Delete List
Delete complete list.

After exiting the calls list, all entries are set to "old" status and are no longer shown in bold.

Selecting from the calls list

- § → Calls List: (2)
- § Select entry.
- § Briefly press/press and hold the talk key. The number is dialled using the selected connection type (page 26).

Answer machine list
(Gigaset S675/S685 IP)

The answer machine list Ans M.: is only displayed on handsets that have at least one receive number in common with the answer machine.

You can use the answer machine list to listen to the messages stored on the base station answer machine.

The first new message received is displayed at the top of the answer machine list. Playback starts when the list is opened.

New messages are placed after old messages when they have been played back.

All messages are played back irrespective of the associated receive number.

Old messages are played back if the list does not contain any new messages.
Making cost-effective calls

Example of list entries:

<table>
<thead>
<tr>
<th>Message Playback</th>
</tr>
</thead>
<tbody>
<tr>
<td>Susi Sorglos</td>
</tr>
<tr>
<td>Louise Miller</td>
</tr>
</tbody>
</table>

◆ Status of entry
  Bold: New entry
◆ Number or name of caller
  You can add the caller's number to the directory (page 44).
◆ Call date and time (if set, page 11).

How to manage messages in the answer machine list is described on page 63.

Dialling numbers from the answer machine list

| Ans M.: (2) |
| Select entry. |
| Briefly press/press and hold the talk key. The number is dialled using the selected connection type (page 26). |

Making cost-effective calls

Using the Internet (VoIP) is the preferred cost-effective way of making calls.

You can also use your phone’s cost control function for calls to fixed line or mobile phone networks. Open accounts with various VoIP providers who offer favourable rates for calls to other networks. In the phone configuration, define the best VoIP connections (account), e.g. for specific regional, national and mobile network prefixes, to be used when calls are made (Dialling Plans, page 124). Or define the VoIP connection to be used when dialling the number (dialling with line suffix, page 27).

If you are using your fixed line network phone, choose a network provider who offers particularly favourable rates (call-by-call). You can manage call-by-call numbers in the call-by-call list.

Linking call-by-call numbers with one number

You can prefix a network provider’s number (“chaining”) to numbers dialled via a fixed line network.

| Open call-by-call list. |
| Select entry (call-by-call number). |
| Press the display key. |
| Select and press OK. |
| Enter number or dial number from the directory (page 44). |
| Briefly press/press and hold the talk key so that the number is dialled via the fixed line network. Both numbers are dialled. |
Making cost-effective calls

Please note:
You can also dial "chained" numbers via a fixed line network by adding the line suffix #0 (for the fixed line network) to the end of the number. Alternatively, you can define appropriate rules for call-by-call numbers (page 124).

Displaying the call duration

The duration of each call appears in the display for calls made via a fixed line network and VoIP

- during the conversation,
- until about three seconds after the call has ended if you do not replace the handset in the charging cradle.

Please note:
The actual duration of the call can vary from that shown by a few seconds.
SMS (text messages)

You can only send and receive SMS messages via the fixed line network.

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

Your phone is supplied ready for sending SMS messages immediately.

Preconditions:

♠ Calling Line Identification is enabled for your fixed line network connection.
♠ Your network provider supports SMS in the fixed line network (information on this can be obtained from your network provider).
♠ You are registered with your service provider to send and receive SMS.

SMS messages are exchanged between SMS centres operated by service providers. You must enter the SMS centre through which you wish to send and receive SMS messages into your phone. You can receive SMS messages from every SMS centre that is entered, provided you have registered with your service provider.

Your SMS messages are sent via the Service Centr. that is entered as the active send service centre. However, you can activate any other SMS centre as the active send service centre to send a current message (page 58).

If no SMS service centre is entered, the SMS menu only contains the entry Settings. Enter an SMS service centre (page 58).

Information on writing an SMS can be found in the appendix:

♠ For how to enter text, see page 147.
♠ Writing using the predictive text tool EATONI, see page 148.

Rules

♠ For more than 160 characters, the SMS will be sent as a linked SMS (up to four SMS messages each containing 152 or 153 characters, depending on the length of the linking information).

The following will be shown on the top right in the header when an SMS is being written (example):

1 Maximum number of characters you can still write or attach.
2 Number of SMS messages that need to be linked for the text written so far.

Please note that linking SMS messages usually incurs higher charges.

Please note:

♠ If your phone is connected to a PABX, see page 59.
♠ To receive SMS messages you must be registered with your service provider.

Registering with the registration assistant

The first time you open the SMS menu, you will be asked whether you wish to be registered automatically with all entered SMS centres (see page 58). Confirm with Yes. You can now receive SMS messages from all SMS centres whose numbers you have entered.

If you answer with No, automatic registration will be cancelled. You can start automatic registration at a later time via the menu:

Precondition: SMS centres have been entered.

The registration assistant does not support setting up personal mailboxes (page 57).
Writing/sending an SMS

Writing an SMS

Mailbox 2 Select mailbox if necessary and press OK (page 57).

Enter mailbox PIN if necessary and press OK.

New SMS Select and press OK.

Write an SMS.

Please note:
- Entering text with and without EATONI predictive text is described from page 148.
- EATONI is activated as a default setting. How to activate/deactivate EATONI, see page 149.

Sending an SMS

Press the talk key or:

Options Press the display key.

Send Select and press OK.

Then:

SMS Select and press OK.

Select number with area code (even if you are in that area) from the directory or call-by-call list, or enter number directly. For sending SMS to an SMS mailbox: add the mailbox ID to the end of the number.

Send Press the display key.

The SMS will be sent as soon as your phone’s fixed line network connection is free.

Please note:
- If you are interrupted by an external call while writing an SMS, the text is automatically saved in the draft message list.
- If the memory is full, or if the SMS function on the base station is being used by another handset, the operation is cancelled. An appropriate message appears in the display. Delete SMS messages you no longer require or send the SMS later.

Using other functions

Precondition: You are writing an SMS.

Options Open menu.

The following functions can be selected with (c):

Send Send an SMS.

Save Save an SMS in the draft message list (page 54).

Insert E-mail Adr. Add an e-mail address to the message text.

Predictive Text Activate/deactivate predictive text EATONI, page 148.

Select Language For EATONI: select the language in which you wish to write the text and press OK.

Draft message list

You can save an SMS in the draft message list and edit and send it later.

Saving an SMS in the draft message list

Write an SMS (page 54).

Options Press the display key.

Save Select and press OK.

Please note:
After saving, the SMS editor will be displayed again with your SMS. You can continue writing the text and save it again. The SMS that was saved previously will be overwritten.
Opening the draft message list

1. Press the Menu key and select SMS.
2. Select the mailbox (Mailbox).
3. Enter the mailbox PIN.

The first list entry is displayed, e.g.

<table>
<thead>
<tr>
<th>1234567890</th>
<th>15.01.08 09:45</th>
</tr>
</thead>
</table>

Reading or deleting SMS messages

- Open the draft message list and then:
  - Select SMS.
  - Press the display key. The entry will be displayed. Scroll line by line using the scroll key.
- Or:
  - Options: Open menu.
  - Delete Entry: Press OK. The selected SMS message is deleted.
  - You can use Options → Delete all to delete every SMS in the draft message list.

Writing/changing an SMS

- You are reading an SMS in the draft message list.
- Options: Open menu.
- You have the following options:
  - New SMS: Write a new SMS and then send (page 54) or save it.
  - Edit: Edit the text of the saved SMS and then send it (page 54).
  - Character Set: Text is shown in the selected character set.

Receiving 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 (it consists of too many linked individual SMS messages) or if it was not fully transmitted, it will be split into several individual SMS messages.

Since an SMS remains in the list even after it has been read, you should regularly delete SMS messages from the list.

The display tells you if the SMS memory is full.

Incoming message list

The incoming message list contains:

- All received SMS messages, starting with the most recent.
- SMS messages that could not be sent due to an error.

New SMS messages are signalled on all Gigaset S67H/S68H handsets by the icon in the display, the flashing message key and an advisory tone.

Opening the incoming message list with the key

Press.

Select a mailbox if necessary and enter the mailbox PIN.

The incoming message list is displayed as follows (example):

<table>
<thead>
<tr>
<th>SMS: (2)</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

1 Bold: number of new entries
2 Regular: number of read entries

1 Name of mailbox, here: general mailbox
2 Open list with OK.
SMS (text messages)

An entry in the list is displayed as in the following example:

<table>
<thead>
<tr>
<th>1234567890</th>
<th>15.01.08 09:45</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Number of the sender or name of the directory entry</td>
<td></td>
</tr>
<tr>
<td>2 SMS status:</td>
<td>Bold: new unread SMS messages</td>
</tr>
</tbody>
</table>

Opening the incoming message list via the SMS menu

 Malik mailbox PIN) → SMS (Mailbox, mailbox PIN) → Incoming (2)

Reading or deleting individual SMS messages

- Open the incoming message list.
- Continue as described in "Reading or deleting SMS messages", page 55.

After you have read a new SMS, it is given the status "Old" (it is no longer shown in bold).

Changing the character set

- Read the SMS (page 56):
- If you cannot see any text or symbols, the SMS may have been written with a different character set.

Options Press the display key.
Character Set Select and press OK.
Select character set and press OK.

Text is shown in the selected character set.

Deleting the incoming message list

All new and old SMS messages in the list are deleted.

- Open the incoming message list.

Options Open menu.
Delete all Select, press OK and confirm with Yes. The list is cleared.

Replying to or forwarding SMS messages

- Read the SMS (page 56):

  Options Press the display key.

You have the following options:

Reply Write and send a reply SMS directly (page 54).

Edit Edit the text in the SMS and then send it (page 54).

Forwarding an SMS

- You are reading an SMS (page 56):

  Options Press the display key.

  Forward Select and press OK. For further information, see page 54.

Adding a number to the directory

Copying the sender’s number

- Open the incoming message list and select SMS (page 55).

Options Press the display key. For further information, see page 44.

Please note:

- You can create a special directory for SMS messages within your main directory by putting a star (*) before the names.
- An attached mailbox identifier is added to the directory. It must be deleted for ‘normal calls’.

Dia ling numbers from SMS texts/ transferring to the directory

- Read the SMS (page 56) and scroll to the telephone number.

The digits are reverse-highlighted.

Briefly press/press and hold the talk key to dial the number.

Or:

Press the display key to transfer the number to the directory. For further information, see page 44.
If you wish to use the number to send an SMS:

- Save the number with the local area code (dialling code) in the directory.

### Notification by SMS

You can be notified via SMS about missed calls and also about new answer machine messages.

**Precondition:** For missed calls, the caller's number (CLI) must have been transmitted.

Notification is sent to your mobile phone or another phone with SMS functionality.

You only need to save the phone number to which notification should be sent (notification number) and set the notification type.

#### Saving the notification number

- Go to the Settings menu and select Notify Number.
- Enter the number (including area code) to which the SMS is to be sent.
- Press the display key.
- Press and hold (idle status).

**Please note:** that your network provider will usually charge for SMS notifications.

### Setting the notification type

- Go to the Settings menu and select Notify Type.
- Change multiple line input if necessary:
  - **Missed Calls:** Select On if you require SMS notification.
  - **Ans Machine:** Select On if you require SMS notification.
- Save changes (page 147).

### SMS mailboxes

The **general mailbox** is the default setting. Anyone can access this mailbox and it cannot be protected by a PIN. You can additionally set up three **personal mailboxes** and protect these with a PIN. Each mailbox is identified by a name and a "mailbox ID" (a kind of extension number).

**Please note:**

- If you operate a number of devices (base stations) with SMS functionality on a single phone line, then each SMS mailbox ID may only occur once. In this case you must also change the preset ID of the general mailbox ("0").
- You can only use personal mailboxes if your service provider supports this function. You can tell whether this is the case by the addition of a star (*) to the number of a (preset) SMS centre.
- If you have forgotten your mailbox PIN, you can reset it by restoring the base station's default settings. This will delete all SMS messages from all mailboxes.

**Warning:**

- Do not enter your own fixed line number for the notification of missed calls. This can lead to chargeable endless looping.

---

**Please note:**

- The + symbol is not transferred for international area codes.
  - You should then enter '00' at the start of the number.
- If an SMS contains several numbers, the next number will be highlighted if you scroll down until the first number disappears from the display.

- You should then enter '00' at the start of the number.
- If an SMS contains several numbers, the next number will be highlighted if you scroll down until the first number disappears from the display.
SMS (text messages)

Setting up and changing a personal mailbox

Setting up a personal mailbox

Setting up a personal mailbox

Select mailbox, e.g. Mailbox 2, and press OK.

Change multiple line input:

On/Off:

Activate or deactivate mailbox.

ID:

Select mailbox ID (0–9). You can only select the available numbers.

Protection:

Activate/deactivate PIN protection.

PIN

If necessary, enter 4-digit PIN.

Save changes (page 147).

Active mailboxes are marked with in the mailbox list. They are shown in the SMS list and can, if necessary, be displayed by pressing the message key.

Deactivating a mailbox

Set On/Off: to Off. Confirm message with Yes if necessary.

All SMS messages saved in this mailbox will be deleted.

Deactivating PIN protection

Set Protection: to Off.

The mailbox PIN is reset to “0000”.

Changing the name of a mailbox

Changing a mailbox’s PIN and ID

Changing a mailbox’s PIN and ID

Enter mailbox PIN if required and press OK.

Set ID:, Protection: and PIN (page 58).

Sending an SMS to a personal mailbox

To send an SMS to a personal mailbox, the sender must know your ID and enter it after your number.

You can send your SMS contact an SMS via your personal mailbox.

Your SMS contact will then receive your SMS number with current ID and can save it in their directory. If the ID is invalid, the SMS will not be delivered.

Setting SMS centres

Entering/changing SMS centres

You should find out about the services and special functions offered by your service provider before you make a new application and/or before you delete pre-configured call numbers.

Select SMS centre (e.g. Service Centr. 1) and press OK.

Change multiple line input:

Active Send:

Select Yes if SMS messages are to be sent via the SMS centre. For the SMS centres 2 to 4, the setting only applies to the next SMS.

SMS:

Press the display key Edit. Enter the number of the SMS service and insert a star if your service provider supports personal mailboxes.

Save changes (page 147).
Sending an SMS through another SMS centre

- Activate the SMS centre (2 to 4) as the active send service centre.
- Send the SMS.

This setting only applies to the next SMS to be sent. Thereafter, the setting returns to Service Centr. 1.

SMS on a PABX

- You can only receive an SMS when the Calling Line Identification is forwarded to the extension of the PABX (CLIP). The CLIP evaluation of the phone number for the SMS centre takes place in your Gigaset.
- If required, you must prefix the number for the SMS centre with the access code (depending on your PABX).
  If in doubt, test your PABX, e.g. by sending an SMS to your own number: once with and once without the access code.
- When you send SMS messages, your sender number may be sent without your extension number. In this case the recipient cannot reply to you directly.

Sending and receiving SMS messages on ISDN PABXs is only possible via the MSN number assigned to your base station.

Activating/deactivating SMS function

If you deactivate the SMS function, you cannot send or receive any SMS messages with your phone.

The settings you have made for sending and receiving SMS messages (e.g. the call numbers of the SMS centres) and the entries in the incoming and draft message lists are saved even after you turn off your phone.

Open menu.

Enter the digits.

Deactivate SMS function.

Or:

Activate SMS function (default setting).

Please note:
Ask your service provider for details on how to enter service numbers if you wish to use personal mailboxes (precondition: your service provider supports this function).
SMS (text messages)

SMS troubleshooting

Error codes when sending

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>E0</td>
<td>Calling Line Identification permanently withheld (CLIR) or Calling Line Identification not activated.</td>
</tr>
<tr>
<td>FE</td>
<td>Error occurred during SMS transfer.</td>
</tr>
<tr>
<td>FD</td>
<td>Connection to SMS centre failed; see self-help.</td>
</tr>
</tbody>
</table>

Self-help with errors

The following table lists error situations and possible causes and provides notes on troubleshooting.

You cannot send messages.
1. You have not requested the CLIP service (Calling Line Identification Presentation).
   - Ask your service provider to enable this service.
2. SMS transmission has been interrupted (e.g. by a call).
   - Re-send the SMS.
3. Network provider does not support this feature.
4. No number or an invalid number is entered for the SMS centre set as the active send service centre.
   - Enter the number (page 58).

You receive an incomplete SMS.
1. Your phone's memory is full.
   - Delete old SMS messages (page 56).
2. The service provider has not yet sent the rest of the SMS.

You have stopped receiving SMS messages.
1. You have changed the ID of your mailbox.
   - Give your SMS contacts your new ID or undo the change (page 58).
2. You have not activated your mailbox.
   - Activate your mailbox (page 58).
3. Call forwarding is activated with When: All Calls for a fixed line connection, and with All Calls for the network mailbox.
   - Change the call forwarding.

The message is played back.
1. The "display call number" service is not activated.
   - Ask your service provider to activate this function (chargeable).
2. Your mobile phone operator and your fixed line network SMS service provider have not agreed on a co-operation.
   - Obtain information from your fixed line network SMS service provider.
3. Your end device has been recorded by your SMS provider as having no fixed line network SMS functionality, i.e. you are no longer registered with the provider.
   - Start the registration assistant for automatic registration (see page 53).
   - Have the device (re-)registered to receive SMS messages.

Messages are only received during the day.
1. The terminal is recorded in your SMS provider's database as having no fixed line network SMS functionality, i.e. you are no longer registered with the provider.
   - Start the registration assistant for automatic registration (see page 53).
   - Register the terminal (again) for SMS reception (see above).
**Gigaset S675/S685 IP: operating the base station answer machine**

You can operate the answer machine that is integrated in the base station via the handset or via remote operation (other phone/mobile phone). You can record your own announcement message or advisory message via the handset.

**Please note:**
Connections to the answer machine (internal and external) are not established using broadband.

**Receive numbers**

You can use your phone’s Web configurator to set which of your phone numbers your answer machine is to accept as soon as it is switched on (page 121). You can assign your phone any amount of phone numbers as receive numbers (VoIP, fixed line network, Gigaset.net).

All calls accepted by the answer machine are stored in sequence in the answer machine independently of the receive number and displayed in the same answer machine list.

Any registered handset to which at least one receive number from the answer machine has been assigned as a send or receive number can access the answer machine list (page 120).

After a new phone number is configured (a new VoIP account), it is first assigned to the answer machine as a receive number.

**Parallel calls**

If a caller is connected to the answer machine and a second call for the answer machine comes in on a different line (fixed line network or VoIP), the second caller hears the ringing tone. The answer machine will answer the second call if:

- the connection with the first caller has ended and
- the set time period for the answer machine to answer a call (page 65) has expired.

**Announce only/answer and record mode**

You can use the answer machine in two different modes.

- In Ans. & Record mode, the caller hears the announcement and can then leave a message.
- In Announce Only mode, the caller hears your announcement but cannot leave a message.

**Operation via the handset**

The handset loudspeaker activates automatically if you receive an acoustic prompt or message while operating. You can switch it off with the handsfree key ⍟.

**Activating/deactivating the answer machine**

[Voice Mail] → [Local AM] → Ans Machine (☑ = on)

When the answer machine is activated, the remaining memory time is announced. If the time has not yet been set (page 11), an appropriate announcement is made. The ☑ icon appears in the display.

The answer machine accepts calls for all the receive numbers assigned to it (page 121).

**In answer and record mode**

If the memory is full the answer machine automatically switches to announce only mode.

- Delete old messages.

The answer machine reverts automatically to answer and record mode.
Selecting announcement mode

You can choose between Ans. & Record and Announce Only.

- Voice Mail → Local AM → Announcements → Set Ans. Mode → Ans. & Record / Announce Only (on)

Press and hold (idle status).

The selected mode is saved even after the answer machine is deactivated.

The selection process will be cancelled if the message memory is already full when you change to Ans. & Record mode. You will be requested to delete old messages. The answer machine stays in announce only mode Announce Only.

- Delete old messages.

Only after messages have been deleted can you switch the answer machine to answer and record mode.

Setting "Answer & Record" or "Announce Only" by toggling

You can use the Ans Mode Time setting to change over the announcement mode for a specific period.

Example: Ans. & Record mode is set. If you activate Ans Mode Time and set the time period From: 18:00, Until: 08:00 the answer machine will switch to Announce Only mode every day at 18:00 (if it is switched on). It will switch back to Ans. & Record mode at 08:00 the next day.

Press the display key to start the recording.

When the recording starts, the handset changes to handsfree mode. You hear the ready tone (short tone).

- Now speak your announcement (at least 3 secs.).

Use or to cancel recording and to restart the recording process.

The recording is cancelled if the answer machine memory is full.

- Delete old messages and repeat recording if required.

Stop recording:

Press the display key.

After recording, the announcement is played back for you to check.

You can re-record the announcement with New.
You can cancel playback by pressing \( \text{or} \) \( \text{.} \)

**Please note:**
- Recording ends automatically if the maximum recording time of 170 seconds is exceeded or there is a break in speech for more than 2 seconds.
- If you cancel the recording, the previously recorded announcement will be deleted. The pre-recorded announcement will be used again.
- The recording is cancelled if the answer machine memory is full.
  - Delete old messages and repeat recording if required.
- If an external call is received during a recording for one of the handset's receive numbers, the recording is interrupted and the call is signalled on the handset.

**Playing back announcements**

- Open the answer machine list with the message key.
- If the answer machine is set for fast access (page 66): press and hold key \( \text{.} \)

**Please note:**
All messages are played back irrespective of their receive number.

**Listening to messages via the answer machine list**

**Precondition:** At least one of your handset's send/receive numbers matches the receive number of a stored message.

The date and time of each message is logged in the answer machine list (provided it has been set, page 11) and displayed during the playback. If Calling Line Identification is activated, the caller's number is displayed. If the caller's number is saved in the directory, their name is displayed.

**Please note:**
An announcement informs you if there are new or old messages.

If there are new messages, playback begins with the first new message. If the message has been saved with the date and time, you will hear an appropriate announcement before playback begins. All messages are played back irrespective of the receive number.
After the last new message you will hear the end tone and an announcement about how much recording time remains. You can listen to old messages if there are no more new messages. Begin playback as described above.

**Listening to messages via key**  
**Preconditions:** The answer machine has been set to fast access (page 66). At least one of your handset's send/receive numbers matches the receive number of a stored message (page 121).  
Press and **hold** key **1**.  
The stored messages are now played back.

**Pausing and controlling playback**
During message playback:  
2 **Pause playback. Press 2 again to resume.**  
 or 3 **Skip to the previous message.**  
 or 3 **Skip to the next message.**  
2 x **Skip to next-but-one message.**
If playback is interrupted for over a minute, the answer machine returns to idle status.

**Marking a message as "new"**
A previously played back "old" message is displayed as a "new" message again.

**During message playback or pause:**  
* **Press the star key.**
Or:  
Options  
Mark as New  
Select and press OK.  
Playback of the current message is cancelled. Playback of next message starts, if applicable.  
The **key on the handset flashes.**

**Copying the phone number of a message to the directory**
See "Copying a displayed number to the directory", page 44.

**Deleting messages**
You can either delete all old messages together or individually.

**Deleting all old messages**
During playback or pause:
Options  
Del All Old Mgs  
Select and press OK.  
Yes  
Press the display key to confirm the prompt.
All old messages are deleted irrespective of the receive number.

**Deleting individual old messages**
During playback or pause:
Delete /  
Press the display key or  key.

Please note:  
You can delete a new message as soon as playback has started.

**Picking up a call from the answer machine**
You can pick up a call while the answer machine is recording or is being operated via remote operation:
Options  
Accept  
Press the talk or display key.
Recording stops and you can speak to the caller.
If 3 seconds of the call have already been recorded when you pick it up, the call will be displayed as a new message. The **key on the handset flashes.**
Forwarding an external call to the answer machine

You can forward an incoming external call to the answer machine.

**Preconditions:** There is sufficient free memory space. One of your handset's send/receive numbers matches a receive number of the answer machine.

An external call is signalled on the handset:

Press the display key.

The answer machine starts immediately in recording mode and records the call. The set time for the call acceptance (page 65) is ignored.

The display key will not be displayed if the memory is full.

Activating/deactivating two-way recording

You can record an external call with the answer machine.

**Precondition:** You are conducting an external call. At least one of the handset's send/receive numbers is assigned to the answer machine as a receive number (page 121).

- Inform the caller that the call is being recorded.

**Options**

Press the display key.

Two Way Record

Select and press **OK**.

The two-way recording is indicated on the display by an advisory text and is added to the answer machine list as a new message.

End

Press the display key to stop the two-way recording.

The maximum recording time depends on the memory available on the answer machine. If the memory is full, you will hear an end tone and the recording is aborted. The conversation recorded up to the end tone is then allocated to the answer machine list as a new message.

Please note:

You can activate two-way recording for conference calls and toggling when making calls via a fixed line network.

Activating/deactivating call screening

During recording of a message you can screen a call via the handset loudspeaker.

**Precondition:** The number called is assigned to the handset as a receive number (page 120).

Permanently activating/deactivating call screening

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

Press and hold (idle status).

Deactivating call screening for the current recording

You can deactivate the Call Screening function for the current call during recording via the handset.

Briefly press the end call key.

Setting up the answer machine

The answer machine has already been preset at the factory. Make individual settings using the handset.

Call acceptance/charge saving function for remote operation

You can set when you want the answer machine to accept a call.

The options are: 0 sec., after 10 sec., 18 sec. or 30 sec. and the cost-saving setting Automatic.
In Automatic mode, the following applies for call acceptance:

- If there are no new messages, the answer machine accepts a call after 18 seconds.
- If new messages are present, the answer machine accepts a call after 10 seconds.

When operating remotely you can tell after approx. 15 seconds that there are no new messages (otherwise the answer machine would already have accepted your call). There will be no call charges if you hang up now.

<table>
<thead>
<tr>
<th>Voice Mail</th>
<th>Local AM</th>
<th>Select 0 sec. / 10 sec. / 18 sec. / 30 sec. / Automatic.</th>
<th>Press the display key.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Setting the recording time**

You can set the maximum recording time of a message. You can choose between: 60 Sec, 120 Sec, 180 Sec or Maximum.

<table>
<thead>
<tr>
<th>Voice Mail</th>
<th>Local AM</th>
<th>Select the recording time.</th>
<th>Press the display key.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Setting the recording quality**

Set the quality you require for your recordings. The options are: Standard, High, Excellent. If the quality is higher, the maximum recording time is reduced.

<table>
<thead>
<tr>
<th>Voice Mail</th>
<th>Local AM</th>
<th>Select the recording quality.</th>
<th>Press the display key.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Please note:**

Your announcements are always recorded in best quality.

---

### Configuring the network mailbox for fast access

You can assign the local answer machine or one of your network mailboxes to key for fast access (page 79). This setting is handset-specific.

### Configuring the local answer machine for fast access

**Precondition:** At least one of your handset’s send/receive numbers matches a receive number of the answer machine.

<table>
<thead>
<tr>
<th>Voice Mail</th>
<th>Local AM</th>
<th>Select and press <strong>OK</strong>.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Press and <strong>hold</strong> (idle status).</td>
</tr>
</tbody>
</table>

### Listening to messages on the answer machine

**Precondition:** The answer machine is set for fast access on the handset.

<table>
<thead>
<tr>
<th>Voice Mail</th>
<th>Local AM</th>
<th>Press and <strong>hold</strong>.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The messages are now played back. Hands-free operation is activated. You will hear the answer machine announcement.

- If necessary, press the hands-free button to switch it off.

### Operating when on the move (remote operation)

You can check and activate your answer machine from any other telephone (hotel, pay phone etc.), or initiate ringback from the answer machine with an SMS.

**Preconditions:**

- You have set a system PIN other than 0000 (page 96).
- The phone you are using for remote operation has touch tone dialling (DTMF), i.e. you hear different tones when you press the keys. Alternatively, you can use a code transmitter (available from your mobile phone retailer).
Gigaset S675/S685 IP: operating the base station answer machine

Calling the answer machine and playing back messages

Precondition: Your answer machine is activated.

Dial your own number that is assigned to the answer machine as a receive number.

When you hear your announcement, press \( \\^9 \) and enter the system PIN.

You will be informed whether any new messages have been recorded. The messages are now played back. All messages are played back irrespective of their receive number. After the new messages, the old messages are played back. Finally, the remaining memory time is given.

You can control message playback by means of the keypad.

Please note:

The answer machine will terminate the connection under the following circumstances:
- An incorrect system PIN has been entered.
- There are no messages in the answer machine.
- After the remaining memory announcement.

Operating the answer machine via the keypad

The following keys are used for operation:

1. Previous:
   Go to the start of the current message. Press repeatedly to go to the previous messages.

2. Stop/resume:
   Stop playback. Press again to resume.
   If there is a pause lasting longer than one minute, the connection to the answer machine is terminated.

3. Next:
   Skip to next message. Press several times to go to the following messages.

4. New:
   Mark current message as "new". Start playback of the following message.

5. Delete:
   Delete current message.

Cancelling remote operation

Press the end call key or replace the receiver.

Activating the answer machine

Phone home and allow the phone to ring for around a minute. Use a phone number that has been assigned to the answer machine as a receive number.

You hear: "Please enter PIN".

Enter system PIN.

Your answer machine will be activated in the set mode (page 62). It tells you how much memory time is left.

The messages are now played back.

The answer machine cannot be deactivated remotely.

Please note:
Remote operation via VoIP connections is possible as long as DTMF signals are transmitted (depending on the provider) as SIP info messages, audible signals in the voice channel (inband or audio) or as special RTP data packets (pursuant to RFC2833).

Please note:

The answer machine will terminate the connection under the following circumstances:
- An incorrect system PIN has been entered.
- There are no messages in the answer machine.
- After the remaining memory announcement.
E-mail notifications

Your phone will notify you when new e-mail messages have been received on your incoming e-mail server. You can set your phone to periodically connect to your incoming e-mail server and check whether you have new e-mail. Any new messages that have been received are displayed on all Gigaset S67H/S68H handsets that have been registered: you will hear an advisory tone, the message key will flash and the icon will be displayed in the idle display.

Please note:
The icon is also displayed if new SMS messages or messenger messages have been received. If new e-mail messages have been received, pressing the message key will display them in the E-mail: list.

You can use your phone to connect to the incoming e-mail server and display the sender, date and time of receipt and subject for every e-mail message in the list of incoming mail (page 68).

Preconditions:
- You have set up 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 (page 128).

Opening the incoming e-mail list

Or if new e-mail messages have been received (the message key is flashing):

The telephone establishes a connection to the incoming e-mail server. A list of e-mail messages that are stored there will be displayed. New unread messages appear above old read messages. The most recent entry is at the head of the list.

The following details are displayed for each e-mail: name or e-mail address of the sender (one line, abbreviated if necessary) and date and time (date and time will only display correct values if sender and recipient are located in the same time zone).

Example display:

1 E-mail address or name transmitted by the sender
2 Date and time of receipt of e-mail message

If the incoming message list on the incoming e-mail server is empty, No entries will appear in the display.
Please note:
Many e-mail providers operate standard spam protection measures. E-mail messages classified as spam are stored in a separate folder and are therefore not shown on the list of incoming mail.
Some e-mail providers allow you to deactivate spam protection or show spam e-mails on the list of incoming mail.
Other e-mail providers may send a message to the Inbox when a new spam e-mail is received. This is to inform you that a suspected spam e-mail has been received.
Date and sender of this mail are repeatedly updated, so that it is always displayed as a new message.

Messages when establishing a connection
The following problems may occur when connecting to the incoming e-mail server. The messages are displayed in the handset's display for a few seconds.

Server not accessible!
The connection to the incoming e-mail server could not be established. This may have the following causes:
– Incorrect entry for name of incoming e-mail server.
– Temporary problems with the incoming e-mail server (server is down or is not connected to the Internet).
› Check settings (page 128).
› Try again later.

Currently not possible!
The resources your phone requires to make the connection are busy, e.g.:
– Two VoIP connections have already been made.
– Another handset is currently connected to the incoming e-mail server.
› Try again later.

Log-in failed!
Error when logging in to the incoming e-mail server. This may have the following cause:
– Incorrect entries for name of incoming e-mail server, user name and/or password.
› Check settings (page 128).

Mailbox settings incomplete!
Incomplete entries for name of incoming e-mail server, user name and/or password.
› Check settings and complete if necessary (page 128).

Viewing the message header of an e-mail
Precondition: You have opened the incoming mail list (page 68).

Select e-mail entry.
Press the display key.
The subject of the e-mail message will be displayed (max. 120 characters).
Press the display key to return to the incoming message list.

Please note:
If the header is formatted in HTML it may be displayed differently to headers on the PC e-mail client.
E-mail notifications

Viewing an e-mail sender's address

Precondition: You have opened the incoming mail list (page 68).

Select e-mail entry.

Press the display key.

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

Press the display key to return to the incoming message list.

Example:

Deleting an e-mail

Precondition: You have viewed the message header or the sender's address of an e-mail (page 69).

Select Options ➔ Delete E-mail and press OK.

The e-mail is deleted from the incoming e-mail server.
Messenger

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

Instant messaging refers to communication between “friends” on the Internet. Subscribers exchange short messages, which are forwarded immediately. This gives rise to a flowing “conversation” similar to chatting.

The precondition for this form of communication is that both subscribers have a connection to the **messenger server** of the same instant messaging provider. Therefore, both subscribers must be "online". The messenger server forwards the messages to the recipient.

The subscribers to instant messaging are called **buddies**.

Most messenger servers allow you to create what are known as **buddy lists**. You can store the buddies you want to chat to in the buddy list.

The messenger server informs you as soon as one of your buddies comes online or goes offline. **Offline** means that the buddy has disconnected from the messenger server.

In addition to this, each buddy can determine their own (communication) **status** (state of presence, see page 73), from which buddies can tell whether they are in the mood to chat or wish to remain undisturbed.

The Web configurator on your phone gives you the following options:

- **Go online** (page 72).
- **Display the list of your contacts (buddies)** on the handset that you previously created on the PC. This will indicate for each buddy whether they are available (online) and ready to chat (state of presence, see page 73).

- **Exchange messages with your buddies.** Your handset notifies you about new messages with a flashing message key and a beep.
- **Call your buddies directly from your buddy list (page 77).**

**Preconditions for instant messaging:**

- You have registered with an instant messaging provider via the Web browser on your PC and (optionally) agreed a Web name (nickname).
- You have created a buddy list via the messenger client on the PC.
- You have saved the messenger server address and your access data for the messenger server (user ID, password) in the phone using the Web configurator (page 126). The phone needs the data to establish a connection with the messenger server.

**Please note:**

If your instant messaging provider doesn't support the phone's messenger client, then you can open an account with an open Jabber server and use the Web configurator to enter its address in your phone. Many of these Jabber servers offer gateways to other messenger servers (e.g. AOL, ICQ, MSN, Yahoo!).

You can find a list of Jabber servers and an overview of the gateways to other messenger servers on the Internet at http://www.jabber.org.

You can find information on setting up a Jabber account with connections from ICQ, MSN or Yahoo on the Internet, e.g. at: http://web.swissjabber.ch
Messenger

Establishing a connection, going online

When you go online, your buddy list will be displayed on the handset and you will receive messages from your buddies.

Only one of the handsets connected to the base station can connect to the messenger server. You can then only "chat" on this handset.

An external call will interrupt the "chat", but you will still be online. You can continue your chat after you end or reject the call.

Precondition: You have saved the messenger server address and your access data for the messenger server (user ID and password) in the phone using the Web configurator (page 126).

Press the display key to confirm the prompt.

The phone attempts to establish a connection. You are informed about the status of the connection by messages on the display.

If the connection can be established, you are Online. The display will show the submenu for your messenger. You can open your buddy list, send and receive messages and call your buddies.

The following is displayed when the handset is in idle status.

You remain online until you set your status to Offline (page 73) or the connection to the messenger server is terminated (page 77).

You also remain online if you press the end call key.

If the connection cannot be established, you will receive an appropriate message. Please try again later (page 77).

Lost connection

If your phone loses its connection to the messenger server, the display key will flash on the handset that had been connected to the messenger. In idle status it will display "Messenger connection failed!"

All messages that you had previously received, as well as any message you were currently writing, will be saved.

Reconnecting:

Press the message key.

Press the display key to confirm the prompt.

The phone will attempt to reconnect. You are informed about the status of the connection by messages on the display.

If you reply to the request with No the phone will behave as during regular disconnection. All messenger messages will be deleted. The phone is offline.

Please note:

You can also assign the messenger to one of the display keys on your handset (page 87). The connection is established when you press the display key.

You can also assign the messenger to one of the display keys on your handset (page 87).
Changing/checking your personal status, going offline

You want to log off (go offline) or let your buddies know whether you wish to chat or would prefer to remain undisturbed.

You have the following options:

**Offline**
You log off from the messenger server. The messenger server informs your buddies that you are no longer available.
The handset switches to idle status. You can neither send nor receive messages.

**Online**
(Setting after successful connection)
You are logged on to the messenger server and can send and receive messages.

**Ready for chat**
You are **Online** and can send and receive messages. You invite your buddies to "chat" with you.

**Away / Extended Away / Do not disturb**
You are **Online** and can send and receive messages. You inform your buddies that you currently cannot/do not wish to "chat", i.e. will not reply to their messages immediately.

**Invisible**
You are **Online** and can send and receive messages. However, the messenger server indicates to your buddies that you are **Offline**.

Please note:
All status settings apart from **Offline** only inform other buddies about your communication status. Whether this information is passed on to your buddies depends on the provider.

Changing status

**Changing status**

- Select status and press **OK** ([✓] = on).
- Press **and hold** if necessary (idle status).

Disconnecting, going offline

**Disconnecting, going offline**

- Select **Offline** status, and respond **Yes** to the security prompt.

The connection to the messenger server will be terminated. The handset returns to idle status. New messenger messages are no longer sent to you. The messenger message list is deleted. The buddy list is no longer available.

Please note:
Whether messages directed to you are deleted or stored in the messenger server depends on the provider. Stored messages are sent to you when you go online again.

Checking your status and user ID

**Checking your status and user ID**

- Select **Info**

If you are online, the following information may be displayed (depending on your provider):
- Your Web name (nickname, abbreviated if necessary)
- Your current status
- Your user ID (format: userid@provider-domain; abbreviated if necessary)

Only **Offline** will be displayed if you are offline.
Opening the buddy list

Precondition: You are Online and have already created a buddy list (using the PC) on your provider’s messenger server.

Only the first 20 (maximum) buddies on the buddy list will be read by the messenger server and displayed on the handset. The number depends on the available memory space.

The buddies that are displayed depend on which buddies were transferred from the messenger server first.

Please note:
You can also receive and respond to messages from buddies who are not on the list displayed on the handset.

Example:

The Web names (nicknames) of your buddies are displayed on the list. If they do not have a Web name, the user ID is displayed.

If the name of a buddy is longer than one line, it will be abbreviated. You can navigate in the list with the control key ▼.

The buddies appear on the list in the following order. Their status (page 73) is identifiable by the colour of the icon next to the buddies:

1. Buddies with Online status or Ready for chat in alphabetical order. The icon is green.

2. Buddies with Away, Extended Away or Do not disturb status in alphabetical order. The icon is orange.

3. Buddies with Offline or Invisible status in alphabetical order. The icon is red.

Please note:
The buddy list will remain open until you exit it (briefly press or press and hold ■). The handset will not automatically return to idle status.

Changes in the status of buddies
You have opened the buddy list and one of the buddies changes their status. The following distinctions are made:

◆ A buddy changes to status Online / Ready for chat:
You are informed via a message on the display. The buddy list is updated.

◆ In the event of another status change, the buddy list is updated. No message is displayed.

Please note:
If the buddy changes to Offline status, your messages are no longer sent to them. Whether the messenger server stores the messages until the buddy is Online again or deletes them depends on the provider.

Requesting information about buddies
You have opened the buddy list (page 74).

Select buddy.
Press the display key.

The display depends on the provider.

Example:

Please note:
The buddy list will remain open until you exit it (briefly press or press and hold ■). The handset will not automatically return to idle status.

<table>
<thead>
<tr>
<th>Info</th>
</tr>
</thead>
<tbody>
<tr>
<td>Julian <a href="mailto:Reeves@jabber.com">Reeves@jabber.com</a></td>
</tr>
</tbody>
</table>

1 Web name (nickname, abbreviated if necessary)
2 Status
3 User ID (format: userid@provider-domain; abbreviated if necessary). (Resource names are not displayed)
If the buddy changes their status the entry is updated.
Press \texttt{Chat} to return to your buddy list. Press \texttt{Chat} if you want to "chat" with the buddy.

\section*{Chatting to buddies}

You want to "chat" to a buddy, i.e. send a message.

\textbf{Precondition:} You have opened the buddy list (page 74) and selected a buddy with \texttt{Chat}.

\begin{itemize}
  \item Press the display key \texttt{Chat}. The text editor is opened.
  \item Write and send your message (page 76).
\end{itemize}

The buddy list is shown again.

\section*{Receiving messages}

\textbf{Precondition:} You are online.

Newly arrived buddy or info messages (page 75) are indicated by a flashing message key \texttt{f} and a beep, even if you are in a messenger menu or text editor.

The messages are stored in the Messenger: message list.

\begin{itemize}
  \item \textbf{Please note:}
    \begin{itemize}
      \item The Messenger list is only displayed if you are online.
    \end{itemize}
  \end{itemize}

\section*{Opening the message list using the \texttt{f} key}

The message key flashes.

\begin{itemize}
  \item Press the message key \texttt{f}.
  \item Select Messenger: \texttt{(2) list} if required and press \texttt{OK}. The number in brackets indicates the number of new messages.
\end{itemize}

\begin{itemize}
  \item \textbf{Please note:}
    \begin{itemize}
      \item If you are in the messenger menu or one of its submenus/text editors and you press the flashing message key \texttt{f}, this will open the Messenger list directly.
    \end{itemize}
\end{itemize}

\section*{Message list}

The messages on the list are sorted chronologically, with the oldest message at the head of the list.

Example of a list display:

\begin{center}
\begin{tabular}{|c|c|}
  \hline
  1 Sender's Web name/user ID & 1 \hline
  Julian & 15.01.08 15:25 \\
  \hline
  2 Date and time of message & 2 \hline
  15.01.08 & 15:30 \\
  \hline
  3 Message from the messenger server & 3 \hline
  INFO message & \\
  \hline
  Delete & \\
  Read & \\
  \hline
\end{tabular}
\end{center}

1 Sender's Web name/user ID

\textbf{Bold:} new/unread message

2 Date and time of message

3 Message from the messenger server (page 75)

If the memory is full and new messages arrive, the oldest message(s) will be overwritten. If there are no old (read) messages, the oldest new (unread) messages will be overwritten.

\section*{Message types}

In instant messaging, a distinction is made between the following types of message:

\begin{itemize}
  \item \textbf{Buddy messages} are the "instant messages" you receive from other buddies. You can answer the messages.
  \item \textbf{Info messages} are special information from the provider. They are forwarded to you, but you cannot reply to them.
\end{itemize}

\textbf{Example:} With some messaging providers you receive an info message when another subscriber tries to add you to their buddy list. You are prompted to check the messages on the messenger client on your PC.
Messenger

Via the messenger client on your PC you can agree to the action or refuse permission. Without your agreement, the other subscriber cannot add you to their buddy list.

Reading messages

Precondition: You have opened the message list and selected a message with 🔢.  
▷ Press the display key Read.  
The message is opened for you to read.  
You have the following options:
Delete Delete a message from the list. You will return to the message list.

Or:
Answer (for buddy messages only)  
Reply to message. The text editor is opened. You can write a reply (see "Writing and sending messages" on page 76).

Or:
Back to the message list.

Delete message

Precondition: You have opened the message list and selected a message with 🔢.  
▷ Press the display key Delete.

Writing and sending messages

Precondition:
◆ You are reading a buddy's message and press the display key Answer or  
◆ You have pressed the display key Chat in the buddy list or the buddy profiles.
A text editor is opened.  
▷ Use the handset keys to enter a message (max. 612 characters).  
▷ Select ➔ Send and press OK.  
The message is sent to the buddy.

Please note:
- Entering text with and without EATONI predictive text is described from page 148.
- EATONI is activated as a default setting. How to activate/deactivate EATONI, see page 149.

If the messenger server is unable to send the message to the buddy, a message will be displayed.  
▷ Confirm the message by clicking OK.  
The text-editor will re-open with your message. You can then retry sending the message.

 Interruption while writing  
If you receive a call/SMS while you are writing a message or the connection to the messenger server is interrupted, the text editor is terminated and the text written so far is lost.

Menu options for the text editor  
By pressing ➔ within the text editor you have the following options:
Send Send message to buddy.
Delete Text Delete the whole text.
Predictive Text Activate/deactivate predictive text see page 148.
Select Language For predictive text: select the language in which you wish to write the text and press OK.
Calling a buddy

You can call a buddy directly.

**Precondition:** The messenger server supports calls using vCard and your buddy's vCard contains a phone number.

**Preconditions:**
- You have opened the buddy list and selected a buddy or
- You have opened the buddy's profile or
- You have opened the Messenger: list and selected a buddy or
- You are reading a message from a buddy

Briefly press or press and hold the talk or handsfree key.

The phone will try to establish a VoIP/fixed line connection.

The first number that is found on the vCard will be dialled.

Ending a call

Press the end call key.

Self-help with errors

While establishing a connection to the messenger server, during connection and when sending messages the following errors may occur.

**Behaviour when the connection is lost**

If the connection to the messenger server is interrupted, an appropriate message is shown in the display. You are Offline.

If you are in a submenu of the messenger, the handset switches to the messenger menu.

- Try to re-establish the connection (page 72).

Errors when sending

If it is not possible to send a message, a distinction is made between the following situations:

- The connection to the messenger server is interrupted:
  
  A message is shown in the display to indicate that the connection to the messenger server has been interrupted.
  
  The message is stored temporarily (page 76).
  
  Try to re-establish the connection (page 72) and send the message again.

- The server is unable to send the message:
  
  A message is shown in the display to indicate that the message could not be sent. If, for example, the buddy is not available, the message you have sent will also be displayed.
  
  The message is stored temporarily (page 76).
  
  If necessary, check the buddy's user ID and send the message again later.
Using the network mailbox

Some fixed line network providers and VoIP providers offer answer machines on the network – these are known as network mailboxes.

Each network mailbox accepts incoming calls made via the corresponding line (fixed line network or corresponding VoIP phone number). To record all calls, you should therefore set up network mailboxes for both the fixed line network and for each of your VoIP connections.

You need to have requested the network mailbox for your fixed line network connection from your fixed line network provider. You can store the phone number for the fixed line network mailbox in the base station.

You can activate/deactivate the network mailboxes for your VoIP connections using your handset or the Web configurator. To do this, you only require the network mailbox phone number.

Activating/deactivating the network mailbox, entering numbers

You can manage the network mailboxes on your handset that are assigned to a receive number on the handset.

Enter: Settings → Voice Mail → Network AM(s)

The list of connections (VoIP and fixed line network) that are assigned to the handset as receive numbers is displayed. The display shows Net AM: xxx, where xxx is replaced by the relevant default name for the connection (IP1 to IP6, Fxd. line).

Select connection and press OK.

You have selected a VoIP connection:

Change multiple line input:

Status
Select On to activate the network mailbox. Select Off to deactivate.

Number
Enter or change the phone number for the network mailbox.

With some VoIP providers your network mailbox phone number will be downloaded together with the general VoIP provider data (page 112), saved to your base station and displayed under Number.

You have selected the fixed line network connection:

Enter or change the phone number for the network mailbox.

You cannot activate/deactivate the network mailbox for the fixed line network connection via the handset. For how to activate/deactivate the network mailbox for the fixed line network connection please refer to the fixed line network provider’s information.

Please note:

For information on how to activate and deactivate network mailboxes via the Web configurator and to change their assigned numbers, see, see page 126.
Using the network mailbox

Configuring the (network) mailbox for fast access

You can use fast access to make direct calls to a network mailbox or, for the Gigaset S675/S685 IP, also the integrated answer machine on the base station.

Assigning key 1 of the handset, changing assignments

The setting for fast access is handset-specific. You can assign a different answer machine to key 1 on each registered handset.

No answer machine is preconfigured for fast access in the default settings.

Fast access is not yet set on the handset: Press and hold key 1.

Or:
1. Press and hold (idle status).
2. Enter the number for the network mailbox.
3. Press the display key.
4. Press and hold (idle status).

Fast access is automatically activated.

Please note:
You can only assign fast access to one answer machine. However, you can also call the network mailbox assigned to a handset's receive numbers directly via the message key (page 80).

Calling the network mailbox

Press and hold.

If you have set a network mailbox for fast access you will be connected straight to this network mailbox.

If necessary, press the hands-free key.

You hear the network mailbox announcement.

Gigaset S675/S685 IP: If you have set the integrated answer machine on the base station for fast access, message playback begins (see page 66).
Using the network mailbox

Listening to messages on the network mailbox

Under the message key you will find a list for each network mailbox that fulfils the following requirements:

- The corresponding connections are allocated to the handset as receive numbers.
- The network mailbox phone number is saved on the base station.

You can call and check the network mailbox directly from the list.

When you press the message key , the following is displayed (example):

<table>
<thead>
<tr>
<th>Messages &amp; Calls</th>
<th>Calls List: (4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net AM: IP1</td>
<td>(1)</td>
</tr>
<tr>
<td>Net AM: Fxd. line</td>
<td>(2)</td>
</tr>
<tr>
<td>Net AM: IP2</td>
<td>(0)</td>
</tr>
</tbody>
</table>

1 "Fxd. line", "IP1" etc. are the default names for the associated connections. The default names are always shown irrespective of which connection name you have specified when configuring via the Web configurator.

2 If there are new messages in the network mailbox, the list entry is shown in bold. The number of new messages is shown in brackets following the list entry.

3 If there are no new messages (0) is shown after the list entry for the network mailbox. The number of messages stored in the network mailbox is not displayed.

Displaying new messages in the handset's idle status

If a new message is present on one of the network mailboxes to which the handset is allocated via its receive number, or there is a new message on the integrated answer machine, the icon and the number of new messages are shown on the handset's idle display. The message key flashes.

Calling the network mailbox and checking messages

Press the message key.
Net AM: Fxd. line / Net AM: IP1 / etc.
Select the network mailbox and press OK.

You are connected directly to the network mailbox and hear its announcement. Messages can generally be played back using your handset keypad (digit codes). Listen to the announcement.

Please note:
- The network mailbox is automatically called via the corresponding connection. An area code predefined for your phone is not prefixed.
- Network mailbox messages can generally be played back using your handset keypad (digit codes). You need to define how the digit codes for VoIP should be converted to DTMF signals and transmitted (page 122). Ask your VoIP provider which type of DTMF transmission it supports.
Using several handsets

Registering handsets

You can register up to six handsets to your base station.
You can register your Gigaset S67H/S68H handset on up to four base stations.
When you register a new Gigaset handset, the base station transfers the following entries to its local directory to enable you to use online directories on your new handset:
- Net Directory for the currently active online directory (page 129)
- Yellow Pages for the currently active classified directory (page 129)
- Gigaset.net for the Gigaset.net directory

Precondition: The handset can send and receive directory entries (see handset operating instructions).

Successful registration is acknowledged with a Data Transfer x entries received for this reason.

Please note:
- If a number of handsets are registered on your base station, you can simultaneously make two calls via the Internet and one via the fixed line network. Up to two additional internal connections are also possible.
- Selecting the connection via the talk key (page 26) is not supported on GAP handsets. Therefore, if you enter a number without a line suffix and without defining a dialling plan for the phone number, it will be dialled via Default Line (page 98). If you enter a "*" (star) at the end of the phone number, it will be dialled via the non-default connection.
- If six handsets are already registered to the base station, there are two options:
  - The handset with the internal number 6 is in idle status: the handset you wish to register is assigned the number 6. The handset that was previously number 6 is deregistered.
  - The handset with the internal number 6 is being used: the handset you wish to register cannot be registered.

Registering another Gigaset S67H/S68H handset on the Gigaset S685/S675 IP

Before you can use your handset, you must register it to a base station.
You must initiate handset registration on the handset and on the base station.
If the handset has been registered successfully, the handset returns to idle status. The handset's internal number is shown in the display e.g. Int 1. If not, repeat the procedure. Registration can take up to one minute.

Select → Handset → Register H/Set on the handset.
Enter the system PIN of the base station (the default is 0000) and press OK. The display shows e.g. Base 1 and flashes.
Within the next 60 seconds, press and hold (for approx. 3 seconds) the registration/paging key (page 2) on the base station.

The handset is given the lowest available internal number (1–6). If a number of handsets are registered on the base station, the internal number appears in the display after registration, e.g. INT 2. This means that the internal number 2 was assigned to the handset.

Please note:
If six handsets are already registered to the base station, there are two options:
- The handset with the internal number 6 is in idle status: the handset you wish to register is assigned the number 6. The handset that was previously number 6 is deregistered.
- The handset with the internal number 6 is being used: the handset you wish to register cannot be registered.
Using several handsets

Registering other handsets on the Gigaset S685/S675 IP

You can register other Gigaset handsets and handsets for other devices with GAP functionality as follows.

- Begin the registration procedure on the handset in accordance with the handset's operating instructions.
- Press and hold (for approx. 3 seconds) the registration/paging key (page 2) on the base station.

De-registering handsets

You can de-register any registered handset from any registered Gigaset S67H/S68H handset.

- Open list of internal parties. The handset you are currently using is highlighted with <.
- Select the handset to be de-registered.
- Press the display key.

Options

- De-reg. H/Set No.
  - Select and press OK.
  - Enter the base station system PIN (default setting: 0000).
  - Press the display key to confirm the prompt.
  - Press and hold (idle status).

The handset is de-registered immediately, even if it is not in idle status.

Locating a handset ("paging")

You can locate your handset using the base station.

- Briefly press the registration/paging key on the base station (page 2).
- All handsets will ring at the same time ("paging"), even if ringer tones are switched off.

The current (local) IP address for the base station appears in the handset displays.

Ending paging

- Briefly press the registration/paging key on the base station (page 2).

Or

- Press the talk key or the end call key on a handset.

Changing the base station

If your handset is registered to more than one base station, you can set it to a particular base station or to the base station that has the best reception (Best Base).

Options

- Handset → Select Base
  - Select one of the registered base stations or Best Base and press OK.

Changing a handset's internal number

A handset is automatically assigned the lowest free number on registration. In the list of internal parties, the handsets are sorted according to their internal number.

You can change the internal number of all registered handsets (1-6). Numbers 1–6 can only be assigned once each.

Options

- Open list of handsets. Your own handset is indicated by <.

- Press the display key.
Using several handsets

Edit H/Set No.

Select and press **OK**. The list of handsets and their internal numbers will be displayed. The internal number for the first handset flashes.

Select handset.

Enter the new internal number (1-6). The handset's old number is overwritten.

If necessary, select further handsets and change numbers.

After all the changes are completed:

Press the display key to save the input.

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

You will hear the error tone if an internal number has been allocated twice.

Repeat the procedure with a free number.

Changing the name of a handset

The names "INT 1", "INT 2" etc. are assigned automatically at registration. You can change these names. The changed name is displayed in every handset’s list.

Open list of handsets. Your own handset is indicated by `<`.

Select handset.

Press the display key.

Delete previous name if necessary.

Enter the new name (max. 10 characters).

Press the display key.

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

**Please note:**
If you delete the current handset name and then press **Save** without entering a new name, the handset will automatically be allocated the standard name "INT x" (x= internal number).

Making internal calls

Internal calls to other handsets registered on the same base station are free.

They will always be made via broadband if both handsets are broadband-capable.

Calling a specific handset

- Initiate internal call.
- Enter the number of the handset.

Or:

- Initiate internal call.
- Select handset.
- Press the talk key.

Calling all handsets ("group call")

- Initiate internal call.
- Press the star key. All handsets are called.

Ending a call

- Press the end call key.

**Please note:**
You can reject an internal call by pressing the end call key **<**.

Other handsets will continue to signal an internal "group call".

Transferring a call to another handset

You can forward (connect) an external call, made via fixed line network or VoIP, to another handset.

Open the list of handsets. The external participant hears hold music if activated (page 97).

Select handset or **Call All** and press **OK**.

When the internal participant answers:

- If necessary announce the external call.
- Press the end call key.

The external call is transferred to the other handset.

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Using several handsets

If the internal participant does not answer or the line is busy, press the display key End to return to the external call.

When transferring a call you can also press the end call key before the internal participant answers.

Then, if the internal participant does not answer or the line is busy, the call will automatically return to you (the display will show Recall).

Initiating internal consultation call, conference call

You are talking to an external participant (via fixed line network or VoIP) and can call an internal participant at the same time to hold a consultation call.

Open the list of handsets. The external participant hears hold music if activated (page 97).

Select handset and press OK. When an internal participant answers you can speak to them.

You have the following options:

Ending a consultation call

End Press the display key.
You are reconnected with the external participant.

Initiating a conference call

Conf. Press the display key.
You are in a three-way conference call with the external participant and the internal participant.

If the internal participant who has been called ends the call (press end call key ), you will be connected with the external participant. If you press end call key , the external call will be transferred to the internal participant.

Accepting/rejecting call waiting during an internal call

If you receive an external call during an internal call, you will hear the call waiting tone (short tone). With Calling Line Identification, the caller's number will appear in the display.

Ending an internal call, accepting an external call

Accept Press the display key.
The internal call is ended. You are connected to the external caller.

Reject Press the display key.
The call waiting tone is turned off.
You remain connected with the internal participant. The ringer tone can still be heard on other registered handsets.

Using a handset as a room monitor

If the room monitor is activated, a previously stored destination number is called as soon as a set noise level is reached in the room.

You can save an internal or external number in your handset as the destination number.

The room monitor call to an external number stops after around 90 seconds. The room monitor call to an internal number (handset) stops after approx. 3 minutes (depending on the base station). During use as a room monitor, all keys are barred except for the end call key . The speaker of the handset is muted.

When the room monitor is activated, incoming calls to the handset are indicated without a ringer tone and are only shown on the screen. The display and keypad are not illuminated and advisory tones are also turned off.
If you accept an incoming call, the room monitor is suspended for the duration of the call, but the function remains activated.

If you deactivate then re-activate the handset, the room monitor remains activated.

**Warning!**
- You should always check the operation of the room monitor before use. For example, test its sensitivity. Check the connection if you are diverting the room monitor to an outside number.
- When the function is switched on, the handset's operating time is considerably reduced. If necessary, place the handset in the charging cradle. This ensures that the batteries do not run down.
- Ideally the handset should be positioned 1 to 2 metres away from the baby. The microphone must be directed towards the baby.
- The connection to which the room monitor is forwarded must not be blocked by an activated answer machine.

---

**Activating the room monitor and entering the number to be called**

[1] ➔ [2] ➔ Room Monitor

- Change multiple line input:
  - Room M.: Select On to activate.

**Call to:**

- **External number:**
  - Select the number from the directory (press display key [3]) or enter it directly. Only the last 4 characters are displayed.

- **Internal number:**
  - Press the display key [Options]. Select INT and press [OK].
  - Use [4] to select the handset or Call All (if all registered handsets are to be called) and press [OK].

**Level:**
- Set noise level sensitivity (Low or High).
- Save changes (page 147).

The function is now activated.

You can use the **Options** display key to switch directly to the baby alarm settings.

**Please note:**
If you do not specify a line suffix (page 27) and you do not define any dialling plans for the number (page 124), an external number will be dialled via the set standard connection (VoIP or fixed line network).

---

**Changing the set destination number**

[1] ➔ [2] ➔ Room Monitor

- Scroll to the Call to: line.

[1] or [Delete]

- Delete existing number.

- Enter number as described in "Activating the room monitor and entering the number to be called" (page 85).

---

**Deactivating the room monitor remotely**

**Precondition:** The room monitor call is sent to an external destination number. The telephone called supports touch tone dialling.

- Accept the call from the room monitor and press keys [9] [0].

Your base station sends a confirmation tone and ends the connection.

**Please note:**
External deactivating via VoIP connections is possible as long as the DTMF signals are transmitted (depending on the provider) either as SIP info messages, audible signals in the voice channel (inband or audio) or as special RTP data packets (pursuant to RFC2833).

The room monitor function is deactivated on the handset. There will be no further room monitor calls. The other room monitor settings (e.g. no ringer tone) on the handset will remain activated until you press the display key [OFF] on the handset.

To re-activate the room function with the same phone number:

- Turn on the activation again and save with [Save] (page 85).
### Handset settings

Your handset is preconfigured, but you can change the settings to suit your individual requirements.

### Changing the display language

You can view the display texts in different languages.

- **Language**
  - Press and **hold** (idle status).
  - If you accidentally choose a language you do not understand:
    - **8** → **4** → **1**
      - Press keys in sequence.
    - Select the correct language and press **OK**.

### Setting the display

You have a choice of four colour schemes and several different contrasts.

- **Display**
  - **Select** and press **OK**.
  - **Select a colour scheme and press** **OK** (**✓** = current colour).
  - Press **briefly**.
  - **Scroll to the Contrast line.**
  - **Select** and press **OK**.
  - **Select contrast.**
  - **Save**
    - Press the display key.
    - Press and **hold** (idle status).

### Setting the screensaver

You can set a picture from the Resource Dir. (page 90) to be displayed as a screensaver when the handset is in idle status. This will replace the idle status display. It may conceal the date, time and name.

The screensaver is not displayed in certain situations, e.g. during a call or if the handset is de-registered.

If a screensaver is activated, the Screen Saver menu option is marked with **✓**.

### Changing the screensaver

- **Scroll to the** Selection line.
  - Press the display key. The active screensaver is displayed.
  - Select screensaver and press **Change**.
  - **Save changes:** (page 147).
Handset settings

Setting the display backlight

Depending on whether or not the handset is in the charging cradle you can set different levels of display illumination. If it is activated, the display is permanently dimmed.

Display → Backlight
The current setting is displayed.

In Charger
Select On or Off.
Without Charger
Select On or Off.

Save Press the display key.
Press and hold (idle status).

Please note:
The handset's standby time can be significantly reduced if the display backlight (On) is activated.

Shortcuts for functions and numbers

You can assign the left display key and each of the digit keys [0] and [2] to [9] a number or a function. The right display key has a function pre-selected by default. You can change the function assigned.

The number is then dialled or the function started by simply pressing a key.

Assigning a digit key/left display key

Precondition: The digit key or the left display key has not yet been assigned a number or a function.

Press the [?] display key or press and hold the digit key.

The list of possible key assignments is opened (see below).

Select the function with the control key [>] and press OK. The handset returns to idle status.

The following features are available:

Quick Dial / Call-by-Call
Assign key to a number from the directory or call-by-call list.
The directory or call-by-call list is opened.

Select an entry and press OK.

If you delete or edit an entry in the directory or call-by-call list, this has no effect on the assignment to the digit/display key.

Please note:
A number from the directory with a hash (#) at the end will be dialled via the standard connection, otherwise it is always dialled via the non-standard connection (page 98).

• INT (INT)
Opens the list of internal participants.

• SMS (SMS)
Opens the SMS submenu for writing, sending and reading SMS messages (page 54):

• Room Monitor (Room M.)
Assign menu for setting and activating the room monitor to a key (page 85).

• Alarm Clock (Alarm)
Assign menu for setting and activating the alarm clock to a key (page 91).

• Calendar (Calendar)
Opens the calendar to enter new or view saved appointments: []

• Withhold No. (Withhold)
If you press the display key Withhold, your phone number will not be transmitted for the next call and will therefore not appear in the recipient's display.

If you press the display key Withhold, a number editor will be opened.
Enter the phone number and press the display key Send.
Handset settings

The number is always dialled via the fixed line network. This function does not support dialling with a line suffix.

- **Bluetooth**
  Assign the Bluetooth menu to a key:
  
  ➡️ Data Transfer ➡️ Bluetooth

- **E-mail**
  Opens the e-mail submenu for receiving and reading e-mail notifications (page 68):
  
  ➡️ E-mail

- **Messenger**
  Opens the Messenger submenu for chatting with friends on the Internet (page 71):
  
  ➡️ Messenger

- **Fixed Line Call**
  Opens the pre-dialling option for making a call via the fixed line network.

- **IP Call**
  Opens the pre-dialling option for making a call via VoIP.

If the display keys have been assigned a shortcut, the selected function or name of the phone number in the directory or call-by-call list is displayed (abbreviated if necessary) in the bottom display line via the relevant display key.

Starting the function, dialling the number

If the handset is in idle status, press and hold the digit key or press the display key briefly.

Depending on the key assignment:

- Numbers are dialled directly.
- The function menu is opened.

Changing key assignments

**Display key**

- Press and hold the left or right display key.

The list of possible key assignments is opened.

- Proceed as is described when first assigning the key with a shortcut (page 87).

**Digit key**

- Press the digit key briefly.

**Change**

Press the display key. The list of possible key assignments is displayed.

- Proceed as is described when first assigning the key with a shortcut (page 87).

Activating/deactivating auto answer

If you activate this function, when you receive a call you can simply lift the handset out of the charging cradle without having to press the talk key.[1]

- Press and hold (idle status).

Changing the handsfree/earpiece volume

You can set the loudspeaker volume for handsfree talking to five different levels and the earpiece volume to three different levels.

In the handset idle status:

- Press the control key at the top.

**Handset Volume**

- Select and press [OK] (= on).
- Set the earpiece volume.
- Scroll to the Handsfree Volume line.
- Set the handsfree volume.
Handset settings

Settings for individual functions

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

In the handset idle status:

- Press the control key at the top.

Ringer Settings

Select and press OK.

Ext. Calls / Internal Calls / Appointments

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.

Same ringer tone for all functions

In the handset idle status:

- Press Ringer Settings.
- All

- Set volume and ringer tone (see "Settings for individual functions").

Save

Press the display key to confirm the prompt.

Save

Press and hold (idle status).

Please note:
You can also adjust the ringer tones via the menu Handset Volume.

Changing ringer tones

- Volume:
  
  You can choose between five volumes (1–5; e.g. volume 2 = ) and the "crescendo" ring (6; volume increases with each ring = ).

- Ringer tones:
  
  You can select various ringer tones, melodies or any sound from My stuff (page 90).

You can set different ringer tones for the following functions:

- Ext. Calls: for external calls
- Internal Calls: for internal calls
- Appointments: for set appointments (page 92)
- All: the same ringer tone for all functions

Please note:
You can also adjust the call volume via the menu Audio Settings → Handset Volume.

Activating/deactivating the ringer tone

You can deactivate the ringer tone on your handset before you answer 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.

The icon appears in the display.
Handset settings

Re-activating the ringer tone
Press and hold the star key.

Deactivating the ringer tone for the current call
Press the display key.

Activating/deactivating the alert tone
In place of the ringer tone you can activate an alert tone. When you receive a call, you will hear a short tone ("Beep") instead of the ringer tone.
Press and hold the star key and within 3 seconds:
Press the display key. A call will now be signalled by one short alert tone. appears in the display.

Activating/deactivating advisory tones
Your handset uses "advisory tones" to tell you about different activities and statuses. The following advisory tones can be activated/deactivated independently of each other:
- Key click: every key press is confirmed.
- Advisory Tones:
  - Confirmation tone (ascending tone sequence): at the end of an entry/setting and when an SMS or a new entry arrives in the calls list or in the answer machine list
  - Error tone (descending tone sequence): when you make an incorrect entry
  - Menu end tone: when scrolling at the end of a menu
- Battery tone: the batteries need to be charged.

In the handset idle status:
Press the control key at the top.

Advisory Tones
Select and press OK.

Change multiple line input:

Key Tones:
Select On or Off.

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 (page 147).

You cannot deactivate the confirmation tone for placing the handset in the charging cradle.

Please note:
You can also adjust the ringer tones via the menu ➔ Audio Settings ➔ Advisory Tones.

My stuff

My stuff on the handset manages sounds, which you can use as ringer tones, and pictures (CLIP pictures and screensavers), which you can use as caller pictures or as screensavers. Precondition: Calling Line Identification (CLIP).

My stuff can manage the following media types:

<table>
<thead>
<tr>
<th>Icon</th>
<th>Sound</th>
<th>Format</th>
</tr>
</thead>
<tbody>
<tr>
<td>🔔</td>
<td>Ringer tones</td>
<td>Standard</td>
</tr>
<tr>
<td>🔒</td>
<td>Monophonic</td>
<td>Standard</td>
</tr>
<tr>
<td>🔒</td>
<td>Polyphonic</td>
<td>.mid</td>
</tr>
<tr>
<td>🔒</td>
<td>Picture:</td>
<td>BMP</td>
</tr>
<tr>
<td></td>
<td>CLIP picture</td>
<td>128 x 100 px</td>
</tr>
<tr>
<td></td>
<td>Screensaver</td>
<td>Or 128 x 160 px</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(px = Pixel)</td>
</tr>
</tbody>
</table>
Handset settings

The icon is displayed in front of the name in My stuff. Various mono- and polyphonic sounds and pictures are preconfigured on your handset.

You can listen to the available sounds and view the pictures. You can download your own pictures from a PC to the Gigaset S68H handset using Bluetooth connections and save them in My stuff (page 149).

The pre-configured pictures are labelled with ã. You cannot rename or delete them.

Playing back sounds/viewing CLIP pictures

Press the display key. Sounds are played back or pictures are displayed. Press the ã key to switch between entries.

While you are playing back sounds, you can also interrupt playback with the ã key.

If you have saved a picture in an invalid data format, you will see an error message after selecting the entry. Cancel the operation with ã. Delete the picture with Delete.

Sounds: Setting the volume

During playback:

Volume: Press the display key.
Set volume.
Save: Press the display key.

Renaming/deleting a picture

You have selected an entry.

Options: Open menu.

If a picture cannot be deleted (ã), these options are not available. Depending on the situation, you can select the following functions:

Delete Entry
The selected entry is deleted.

Delete List
All entries in the list that can be deleted are deleted.

Rename
Change the name (max. 16 characters) and press Save. The entry is stored with the new name.

Gigaset S68H:
Checking the memory

You can check how much memory is available for screensavers and CLIP pictures.

Setting the alarm clock

Precondition: The date and time have already been set (page 11).

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

Change multiple line input:

Activation:
Select On or Off.

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

Occurrence:
Select Daily or Monday-Friday.

Volume:
Set loudspeaker (1–6).
Handset settings

Melody:
- Select melody.

▷ Save changes (page 147).

You will see the icon.

A wake-up call with the selected ringer tone is signalled on the handset. The wake-up call sounds for 60 seconds. is shown in the display. If no key is pressed, the wake-up call is repeated twice at five minute intervals and then turned off.

During a call, the wake-up call is signalled by a short tone.

Deactivating the wake-up call/ repeating after a pause (snooze mode)

Precondition: A wake-up call is sounding.

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

Or

Snooze Press the display key or any key. The wake-up call is deactivated and then repeated after 5 minutes. After the second repetition the wake-up call is deactivated completely.

Setting an appointment
(calender)

You can have your handset remind you of up to 30 appointments (volume and melody, see page 89).

Saving an appointment

If you have already saved 30 appointments, you must first delete an existing appointment.

Precondition: The date and time have already been set (page 11).

Open the graphical calendar. Days on which appointments have already been saved are highlighted in black.

Select day and press OK.

If appointments have already been saved for the day, the list of appointments will be displayed: select <New Entry> and press OK.

▷ Change multiple line input:

Appoint.: Select On or Off.

Date:
- Enter day/month/year in 8-digit format.

Time:
- Enter hours/minutes in 4-digit format.

Notes:
- Enter text (max. of 16 characters). The text appears as the appointment name in the list and will be displayed on the screen during the appointment reminder. If you do not enter any text, only the date and time of the appointment are displayed.

Save Press the display key.

Press and hold (idle status).

The appointment is marked with in the appointments list. The list of appointments is sorted by date.

An appointment reminder is signalled with the selected ringer tone (page 89). The appointment reminder sounds for 60 seconds. The entered text, date and time are displayed.

During a call, the appointment reminder is signalled by a short tone.

Managing appointments

Select the day in the graphical calendar and press OK or . Days on which appointments have already been saved are highlighted in black in the calendar.

Select appointment for the day.

Open menu Back with .
You have the following options:

**View Entry**
- View selected appointment.
- Open the Options menu for editing, deleting and activating/deactivating.

**Edit Entry**
- Edit selected appointment.

**Delete Entry**
- Delete selected appointment.

**Activate / Deactivate**
- Activate/deactivate the selected appointment.

**Delete List**
- Delete all appointments.

### Deactivating or accepting an appointment reminder

**Precondition:** An appointment reminder is sounding.

- Press the display key **OFF** to switch off the appointment reminder.

Or:

- Press the display key **SMS** to write an SMS.

### Displaying missed appointments and anniversaries

Missed appointments/anniversaries (page 45) are displayed in the Missed Alarms list if:

- You do not accept an appointment/anniversary.
- The appointment/anniversary was signalled during a phone call.
- The handset is deactivated at the time of the appointment/anniversary.
- Automatic redial was activated at the time of an appointment/anniversary (page 48).

The most recent entry is at the head of the list.

If there is a new appointment/anniversary in the list, the display shows **Appointment**. Pressing the display key will also open the Missed Alarms list.

To open the list from the menu:

- Select **Appointment**.
- Information about the appointment/anniversary is displayed. A missed appointment is displayed with the appointment name and a missed anniversary is displayed with the last name and first name. The date and time will also be given.

- **Delete**
  - Delete appointment.

- Write an **SMS**
  - Press and **hold** (idle status).

If 10 entries are already stored in the list, the next appointment reminder will delete the oldest entry.

### Gigaset S68H handset: using Bluetooth devices

Your Gigaset S68H handset can communicate wirelessly via Bluetooth™ with other devices using this technology.

Before you can use your Bluetooth devices, you must first activate Bluetooth and then register the devices to the handset.

You can register 1 Bluetooth headset to the handset. You can also register up to 5 data devices (PC, PDA) to send and receive directory entries as vCards or exchange data with the computer (page 147).

In order to transfer phone numbers via Bluetooth, it is essential that area codes (international and local area codes) are saved on the phone (see page 95).

You will find a description of how to operate your Bluetooth devices in the user guides for these devices.
Handset settings

Please note:
- You can only operate headsets on your handset that have the headset profile.
- It can take up to 5 seconds to create a connection between your handset and a Bluetooth headset. This applies both when a call is accepted using the headset or transferred to the headset, and when a number is dialled from the headset.

Activating/deactivating Bluetooth mode

Data Transfer → Bluetooth → Activation

Press OK to activate or deactivate Bluetooth mode (✓ = activated).

In idle status, the Bluetooth icon on the handset shows that Bluetooth mode is activated:

INTERNET 1

Registering Bluetooth devices

The distance between the handset in Bluetooth mode and the activated Bluetooth device (headset or data device) should be no more than 10 m.

Please note:
- If you register a headset, any headset that is already registered will be overwritten.
- If you register a headset to your handset that is already registered to another device (e.g. to a mobile phone), the existing registration data may be overwritten by the new registration.

If you would like to operate a headset on both the mobile phone and on your handset, you should use a headset that supports several terminals.

Trust Device
Select and press OK.

Enter the PIN for the Bluetooth device you want to register and press OK.

The device is saved in the list of known devices.

Cancelling/repeating current search

To cancel search:
Cancel
Press the display key.
Repeat search if necessary:
Options
Select and press OK.
Repeat Search
Select and press OK.

Editing the list of known (trusted) devices

Open list

Data Transfer → Bluetooth → Known Devices

A corresponding icon appears next to each device name in the list displayed:

<table>
<thead>
<tr>
<th>Icon</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>🎧</td>
<td>Bluetooth headset</td>
</tr>
<tr>
<td>📡</td>
<td>Bluetooth data device</td>
</tr>
</tbody>
</table>

Viewing entries

Open list ➔ (select entry)

Options
Press the display key.

View Entry
Select and press OK.
Device name and address are displayed.
Back with OK.

De-registering Bluetooth devices

Open list ➔ (select entry)

Options
Press the display key.

Delete Entry
Select and press OK.
Back: Press and hold key.

Please note:
- If you register a headset, any headset that is already registered will be overwritten.
- If you register a headset to your handset that is already registered to another device (e.g. to a mobile phone), the existing registration data may be overwritten by the new registration.

If you would like to operate a headset on both the mobile phone and on your handset, you should use a headset that supports several terminals.
Changing the name of a Bluetooth device

Open list ➔ [ ] (select entry)

- **Options**: Press the display key.
- **Rename**: Select and press **OK**.
- **Save**: Press the display key
- **Back**: Press and **hold** key.

**Rejecting/accepting an unregistered Bluetooth device**

If a Bluetooth device that is not registered in the list of known devices tries to connect with the handset, you will be prompted on the display to enter the PIN for the Bluetooth device (bonding).

- **Reject**
  - **Go Back**: Press the display key.
- **Accept**
  - Enter the PIN for the Bluetooth device you want to **accept** and press **OK**.

If you have accepted the device, you can use it temporarily (i.e. as long as it is within receiving range or until you deactivate the handset) or save it to the list of known devices.

Once the PIN has been confirmed, save to the list of known devices:

- **Yes**: Press the display key.
- **No**: Press the display key: use temporarily.

Changing the Bluetooth name of the handset

You can change the name of your handset used to identify it on the display of other Bluetooth devices.
Base station settings

Restoring the handset to the factory settings

Each individual handset setting is reset, in particular the language, display, volume, ringer and alarm clock settings (see from page 86 onwards). The last number redial list is cleared.

Entries in the directory, the call-by-call list, the call history, the SMS lists and the handset's registration to the base station as well as the content of My stuff are 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).

Changing the system PIN

You have to enter the system pin when, for example, you register a handset with the base station, change VoIP settings or start the Web configurator.

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

Base station settings

The base station settings are carried out using a registered Gigaset S67H/S68H handset.

Protecting against unauthorised access

Protect the system settings of the base station with a PIN known only to yourself. You have to enter the system PIN if, among other things, you register and de-register a handset, change VoIP settings or reset the phone to factory settings.

Changing the system PIN

You have to enter the system pin when, for example, you register a handset with the base station, change VoIP settings or start the Web configurator.

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

Base
System PIN

Enter the current system PIN and press OK.

Enter 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).

Changing the system PIN

You have to enter the system pin when, for example, you register a handset with the base station, change VoIP settings or start the Web configurator.

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

Base
System PIN

Enter the current system PIN and press OK.

Enter 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 the base station to the factory settings

Press and hold (idle status).
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 (page 99, page 110, page 122)
- Settings for the local network (page 101, page 109)
- Default connection (page 98)
- The names of the handsets (page 83)
- SMS settings (e.g. SMS centres, page 53)
- Settings for the connection to the PABX (page 102)
- On the Gigaset S675/S685 IP:
  - The answer machine settings (page 65) and own announcements are deleted
The following lists are deleted:
- SMS lists
- Calls list
- On the Gigaset S675/S685 IP:
  - Answer machine lists
The following are not reset:
- Date and time
- System PIN
The handsets are still registered.

Enter the system PIN and press 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 scope of delivery will be de-registered.

Please note:
For how to re-register the handsets after resetting, if necessary, see page 81.

Remove the cable connections from the base station to the router (page 15) and fixed line network (page 14).
- Remove the base station mains adapter from the socket (page 14).
- Press and hold the registration/paging key (page 2).
- Plug the mains adapter 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.

Activating/deactivating music on hold

Select and press OK to activate or deactivate music on hold (✓ = on).
Base station settings

Activating/deactivating repeater mode

With a repeater you can increase the range and reception strength of your base station. You will need to activate repeater mode. This will terminate any calls being made via the base station at that time.

Preconditions:
- A repeater is registered with the base station.
- Eco mode is deactivated (page 20).

Select and press OK (✓ = on).

Press the display key to confirm the security prompt.

Set default connection

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

Please note:
- The standard connection is only relevant when dialling numbers that are not subject to dialling plans (page 124) and are entered without a line suffix (page 27).
- For how to set the default connection using the Web configurator, see page 119.

Select and press OK (✓ = on).

When making calls:
- Press the talk key briefly if you want to make the call via the default connection.
- Press and hold the talk key if you want to make the call via the other connection type.

Updating the base station firmware

If necessary, you can update your base station firmware.

The firmware update is downloaded directly from the Internet by default. The relevant Web page is preconfigured in your phone.

Precondition:
The base station is in idle status, i.e.:
- No calls are being made via the fixed line network or VoIP.
- There is no internal connection between the registered handsets.
- No other handset has opened the base station menu.

Starting the firmware update manually

Select and press OK.

Enter the system PIN and press OK.

The base station establishes a connection to the Internet or to the local PC.

Press the display key to start the firmware update.

Please note:
- The firmware update can last up to 3 minutes.
- When updating from the Internet, checks are made to ensure that no newer version of the firmware exists. If this is not the case, the operation is terminated and a message is issued to that effect.
Making VoIP settings

Automatic firmware update

Your phone will check daily whether a newer firmware update is available via the Internet on the Siemens configuration server. If this is the case, the message *New firmware available* is displayed when the handset is in idle status and the message key **flashes.

Press the message key.

Press the display key to confirm the prompt.

The firmware will be loaded onto your phone.

Please note:
- If you reply to the prompt with **No**, the display will not be repeated. The message *New firmware available* will only be shown again if a newer version of the firmware than the one rejected is available.
- You can deactivate the automatic version check via the Web configurator (page 133).

Making VoIP settings

In order to be able to use VoIP, you must set a few parameters for your phone.

You can make the following settings using your handset.

- Download the general access data for your VoIP provider from the Siemens configuration server and store them on your phone.
- Enter your personal access data for your first VoIP account (first VoIP phone number). You can configure the access data for five further VoIP accounts via the phone's Web configurator.
- Set the phone's IP address in the LAN.

Please note:
You can set these and other parameters conveniently via the Web configurator on a PC connected to your local network (see page 110).

The connection assistant on your phone can help you make the settings.

Using the connection assistant

The connection assistant starts automatically when you set the handset and base station up for the first time, or when you try to connect to the Internet before making the necessary settings.

You can also start the connection assistant via the menu:

**Telephony**

Connection Assist.

Select and press **OK**.

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

For how to enter VoIP settings using the connection assistant, see page 16.
Making VoIP settings

Changing settings without the connection assistant

You can change your provider’s VoIP settings and the VoIP user data via the menu without starting the connection assistant.

Downloading your VoIP provider’s settings

The general settings for various VoIP providers are available for download on the Internet. The relevant Web page is preconfigured in your phone.

Precondition: Your phone is connected to the Internet.

Select Provider

Select and press OK.

The phone establishes a connection to the Internet.

Select country and press OK.

Select your VoIP provider and press OK.

Your VoIP provider data is downloaded and saved in your phone.

Please note:

– If an error occurs during the download, an error message will be displayed. You can find possible messages and measures in the table on page 136.
– You can make and adapt the general settings for your VoIP provider manually via your phone’s Web configurator, see page 111.

Automatic update for the VoIP provider settings

After the first download of the VoIP provider settings, your phone will check daily whether a newer version of the file for your VoIP provider is available via the Internet on the Siemens configuration server. If this is the case, the message New profile available will be displayed when the handset is in idle status, and the message key flashes.

Press the message key.

Press the display key to confirm the prompt.

Enter the system PIN and press OK.

The new data for your VoIP provider will be downloaded and saved on the phone.

Please note:

– If you reply to the prompt with No, the display will not be repeated. The message New profile available will only be shown again if a newer version of the VoIP settings than the one rejected is available.
– You can deactivate the automatic version check via the Web configurator (page 133).

Entering/changing VoIP user data

The VoIP settings must also be extended for your personal data. You will receive all necessary data from your VoIP provider.

Please note:

When making these entries, please remember the VoIP user data is case sensitive. To enter text see page 147.

Enter the user name (caller ID) for your VoIP provider account. Username is often identical to your Internet telephone number (the first part of your SIP address, see page 113).
Making VoIP settings

Setting the phone's IP address in the LAN

The base station requires an IP address in order to be "recognised" by the LAN.

The IP address can be assigned to the base station automatically (by the router) or manually.

- If performed dynamically, the router's DHCP server automatically assigns the base station an IP address. The base station's IP address can be changed according to router settings.
- If performed manually/statically, you assign the base station a static IP address. This may be necessary depending on your network configuration.

Please note:
- For how to make the local network settings on the Web configurator, turn to page 109.
- To assign the IP address dynamically, the DHCP server on the router must be activated. Please also read the user guide for your router.

IP Address:
Select Static or Dynamic.
If you select Static, you must manually define the IP address and the subnet mask for the base station in the next lines, as well as the standard gateway and DNS server.

Subnet Mask:
Select Static or Dynamic.
If you select Static, you must manually define the subnet mask for the base station in the next lines.

DNS Server:
Enter the preferred DNS server's IP address. The DNS server (Domain Name System) converts the symbolic name of a server (DNS name) into the public IP address for the server when the connection is made.

Default Gateway:
Enter the standard gateway's IP address for the local network. This gateway connects the local network to the Internet.

Please note:
- For how to make the local network settings on the Web configurator, turn to page 109.
- To assign the IP address dynamically, the DHCP server on the router must be activated. Please also read the user guide for your router.
Operating the base station on the PABX

Activating/deactivating display of VoIP status messages

If the function is activated, a VoIP status code for your service provider is displayed. Activate the function if, for example, you have problems with VoIP connections. You will receive a provider-specific status code, which supports the service when the problem is analysed. You will find a table with the possible status screens in the appendix (page 140).

Changing the dialling mode

You can set the dialling mode.

- Select and press OK (= on).
- Press and hold (idle status).

Please note:
- Suffix dialling (to select the connection) is not possible in pulse dialling mode: A hash "#" is displayed when dialling, but is ignored when pulse dialling.
- Enter an asterisk "*" to switch temporarily to tone dialling. The asterisk is not displayed.

Setting recall

You can set the recall option.

- Select recall and press OK.
- The current setting is indicated by.
- Press and hold (idle status).
Setting pauses

Changing pause after line seizure

You can set the length of the pause inserted between pressing the talk key \( \text{\( \mathbb{C} \}} \) and sending the phone number.

Enter a number for the length of the pause (1 = 1 sec.; 2 = 3 sec.; 3 = 7 sec.) and press \( \text{\( \mathbb{OK} \}} \).

Changing the pause after the recall key

You can change the length of the pause if your PABX requires this (refer to the user guide for your PABX).

Enter a number for the length of the pause (1 = 1 sec.; 2 = 2 sec.; 3 = 3 sec.; 4 = 6 sec.) and press \( \text{\( \mathbb{OK} \}} \).

Switching temporarily to tone dialling (DTMF)

If your PABX still operates with dial pulsing (DP), but you need touch tone dialling for a connection (e.g. to listen to the network mailbox for your fixed line network connection) you must switch to touch tone dialling for the call.

**Precondition:** You are currently conducting an external call via the fixed line network or you have dialled an external fixed line network number or an external call is signalled.

**Options**

Open menu.

**Tone Dialing**

Select and press \( \text{\( \mathbb{OK} \}} \).

Touch tone dialling is now activated for this call only.
Web configurator – configuring phone via PC

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

Please note:
Depending on your VoIP provider, it is possible that you will be unable to change individual settings in the Web configurator.

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 with each other via a router.

Please note:
- The phone is not blocked while you make your settings in the Web configurator. You can also use your phone to make calls or change base station or handset settings on your handset at the same time.
- While you are connected to the Web configurator, it is blocked to other users. It cannot be accessed by more than one user at any time.

With the Web configurator on your phone you have the following options:
- Configure your phone access to the local network (IP address, gateway to the Internet).
- Configure your phone for VoIP. Assign up to six VoIP phone numbers to your telephone.
- Load new firmware onto the phone if necessary.
- Use internet services: Enable access to an online directory, display text information on the handset (info services) and synchronise the telephone's date/time with a time server on the Internet.
- Manage the names and internal numbers of registered handsets and your local directories
- Obtain information about your phone's status (firmware version, MAC address, etc.).

Connecting PC with Web configurator

Precondition: The settings of a firewall installed on your PC allow the PC and phone to communicate with each other.

There are two ways of connecting your PC to the base station Web configurator:
- via the (local) IP address of the base station
- via Gigaset config

Establishing a connection via the IP address:
- Establish the telephone's current IP address on the handset:
  You can see the phone's current IP address in the handset display by briefly pressing the paging key on the base station.
  Your phone's IP address can change if you have activated dynamic IP address assignment (page 109).
- Launch the Web browser on your PC.
- Enter http:// and the phone's IP address into the address field of the Web browser, e.g. http://192.168.2.2.
- Press the return key.
A connection is established to the phone's Web configurator.
Establish a connection via Gigaset config:

Precondition: The router is connected to the Internet and your PC can access the Internet via the router.

- Launch the Web browser on your PC.
- Enter the following URL into the Web browser's address field: http://www.Gigaset-config.com
- Press the return key.

You will receive a message stating the connection will be forwarded to your base station.

If several Gigaset VoIP phones can be reached via your Internet connection, you will be asked to which one of these phones you would like to be forwarded.

After successfully forwarding the connection, the Login Web page of the Web configurator will be displayed in the Web browser.

Logging in, setting the Web configurator language

Once you have successfully established the connection, the Login Web page will be displayed in the Web browser.

You can select the language you want the menus and Web configurator dialogues to be displayed in. The language that is currently selected is displayed in the top field of the Web page.

- If necessary, click to open the list of available languages.
- Select the language.
- In the bottom field of the Web page, enter your phone's system PIN (default setting: 0000) to access the Web configurator functions.

Click OK.

Once you have successfully logged in, a Home screen opens with general information on the Web configurator.

Please note:
- If you have forgotten your system PIN, you must restore your device's factory settings. Please note that this will restore all other settings too (page 97).
- If you do not make any entries for a lengthy period (around 10 minutes), you will be automatically logged off. The next time you try to make an entry or open a Web page, the Login Web page will be displayed. Enter the system PIN again to log in again.
- Any entries that you did not save on the phone before automatic log-off will be lost.

Logging off

In the menu bar (page 106) at the top right of every Web page in the Web configurator, you will see the Log Off command. Click Log Off to log off from the Web configurator.

Warning:
Always use the Log Off command to end the connection to the Web configurator. If, for example, you close the Web browser without logging off beforehand, it is possible that access to the Web configurator will be blocked for a few minutes.
Structure of the Web pages

The Web pages contain the UI elements displayed in Figure 2.

Menu bar

In the menu bar, the Web configurator menus are offered in the form of tab pages.

The following menus are available:

- **Home**
  The start screen is opened once you have registered with the Web configurator. It contains information on the Web configurator functions.

- **Settings** (page 108)
  This menu allows you to make settings on your phone.

- **Status** (page 135)
  This menu gives you information about your phone.
  
  If you click the Settings menu, a list with this menu's functions is displayed in the navigation area (see below).
  
  You will find the Log Off function to the right of the menu bar on every Web page (page 105).

Please note:
You will find an overview of the Web configurator menu on page 25.
Navigation area

In the navigation area, the functions of the menu selected in the menu bar (page 106) are listed.
If you click a function, the associated page opens in the working area with information and/or fields for your inputs.
If a function is assigned subfunctions, these are displayed with the function as soon as you click the function. The relevant page for the first subfunction is displayed in the working area.

Working area

Depending on the function selected, information or dialogue boxes are displayed in the working area, which allow you to make or change your phone settings.

Making changes

Make settings for entry fields, lists or options.

- There may be restrictions regarding the possible values for a field, e.g. entering special characters or certain value ranges.
- To open a list, click . You can choose between default values.
- There are two kinds of options:
  - Options in a list, from which you can activate one or several options.
    Active, i.e. selected options are highlighted with , non-active options with . You can activate an option by clicking . The status of the other options in the list does not change. You can deactivate an option by clicking .
  - Alternative options. The active option in the list is highlighted with , and the non-active with . You can activate an option by clicking . The previously activated option is deactivated. You can only deactivate an option by activating another option.

Applying changes

As soon as you have made your change on a page, activate the new setting on the phone by clicking Set.
If your input in a field does not comply with the rules for this field, an appropriate error message will be displayed. You can then repeat the input.

Warning:
Changes that have not been saved on your phone are lost if you move to another Web page or if the Web configurator is terminated, e.g. due to the time limit (page 105).

Buttons

Buttons are displayed in the bottom section of the working area.

Set
Save entries on the phone.

Cancel
Reject changes made on the Web page and reload the settings that are currently saved in your phone to the Web page.

Opening Web pages

A brief outline of the navigation to the individual Web configurator functions is given below.

Example:

Setting DTMF signalling

Settings ➔ Telephony ➔ Advanced Settings
To open the Web page, carry out the following steps after registration:

- Click the Settings menu in the menu bar.
- Click the Telephony function in the navigation area.
  The subfunctions of Telephony are displayed in the navigation tree.
- Click the Advanced Settings subfunction.
The Web page from Figure 2 will be shown in the Web browser.
Web configurator – configuring phone via PC

Setting the phone with Web configurator

You can make the following settings using the Web configurator:

- Connecting your phone to the local network (page 109)
- Configuring for telephony
  - Enter the VoIP provider settings and configure VoIP accounts and activate/deactivate (page 111)
  - Specify the name of the fixed line network (page 116)
  - Activate/deactivate the Gigaset.net connection (page 116)
  - Activate/deactivate call forwarding for calls to your VoIP numbers or to your Gigaset.net number (page 121)
  - Configure settings to improve voice quality for the VoIP connections (page 117)
  - Define the standard connection for your telephone (fixed line network or VoIP) (page 119)
  - Assign VoIP phone numbers to individual handsets as send/receive numbers (page 120)
- Gigaset S675/S685 IP: Determine fixed line network and VoIP phone numbers for which the answer machine of the base station should record calls (page 121)
- Define the type of DTMF signalling (e.g. for remote operation of a VoIP network mailbox) and the recall key function for VoIP (page 122)
- Enter settings for call forwarding via VoIP (call placing, i.e. connecting two external callers to each other, page 123)
- Output of information from an IP info service on the handset (page 128)
- Selecting an online phone directory, activating/deactivating the caller name display from the online directory (page 129)
- Synchronisation of date and time on the base station with a time server on the Internet (page 134)
- Starting firmware updates (page 132)
- Managing registered handsets
  - Change names and internal numbers of the registered handsets (page 130)
  - Copy contacts from your PC's Outlook address book to the handset directories or save handset directories to your PC (page 130)
  - Activate/deactivate the display of VoIP status messages on your handset (page 132)
IP Configuration

Assigning the IP address
Make the necessary settings for operating your phone in your local network and to connect it to the Internet. For more detailed explanations of the individual components/terms, see the glossary (page 160).

- Open the following Web page: Settings ➔ IP Configuration.
- In the Address Assignment area, select the IP address type.

Select Obtained automatically if you want your phone to be assigned a dynamic IP address by a DHCP server in your local network. No further settings are necessary for the local network.

Select Static if you would like to set up a static IP address for your phone. A static IP address is useful, for example, if port forwarding or a DMZ is set up on the router for the phone.

The following fields are displayed when you select IP address type = Static:

- **IP address**
  Enter an IP address for your phone. This IP address allows your phone to be reached by other subscribers in your local network (e.g. PC).
  192.168.2.2 has been preset.
  Please note the following:
  - The IP address must be from the address block for private use that is used in the router. This is generally in the range 192.168.0.1 – 192.168.255.254 with Subnet mask 255.255.255.0. The subnet mask determines that the first three parts of the IP address must be identical for all subscribers in your LAN.

- **Subnet mask**
  Enter the subnet mask for your device's IP address. For addresses from the address block 192.168.0.1 – 192.168.255.254, the subnet mask 255.255.255.0 is generally used. This is preconfigured when the phone is supplied.

- **Default gateway**
  Enter the IP address for the standard gateway, by means of which the local network is connected with the Internet. This is generally the local (private) IP address for your router (e.g. 192.168.2.1). Your phone requires this information to be able to access the Internet.
  192.168.2.1 has been preset.

- **Preferred DNS server**
  Enter the IP address for the preferred DNS server. DNS (Domain Name System) allows you to assign public IP addresses to symbolic names. The DNS server is required to convert the DNS name into the IP address when connection is being established to a server.
  You can specify your router's IP address here. The router forwards phone address requests to its DNS server.
  192.168.2.1 has been preset.

- **Alternate DNS server (optional)**
  Enter the IP address for the alternative DNS server that should be used in situations where the preferred DNS server cannot be reached.

Click Set to save the changes.
Click Cancel to reject the changes.
Web configurator – configuring phone via PC

Allowing access from other networks
The default setting for your phone is set so that you can only access your phone’s Web configurator via a PC that is in the same local network as your phone. The subnet mask of the PC must match that of the phone.

You can also allow access from PCs in other networks.

**Warning:**
Expansion of access entitlement to other networks increases the risk of unauthorised access. It is therefore recommended that you deactivate remote access again if you no longer require it.

- Open the following Web page: Settings ➔ IP Configuration.
- In the Remote Management area, activate the Yes option to permit access from other networks.

  To deactivate remote access, click the No option. Access is then limited to PCs in your own local network.

Access to the Web configurator services from other networks is only possible if your router is set accordingly. The router must pass on the service requests from “outside” to Port 80 (default port) of the phone. Please also read the user guide for your router.

To establish a connection, the public IP address or the DNS name of the router and, where applicable, the port number on the router must be indicated in the Web browser of the remote PC.

Configuring telephone connections

You can configure up to eight numbers on your phone: your fixed line network number, your Gigaset.net number and six VoIP numbers.

You need to set up a VoIP account with a VoIP provider for each VoIP phone number. You must save the access data for each account and for the relevant VoIP provider in the phone. You can assign a name to each connection (VoIP and fixed line network).

To configure the connections:
- Open the following Web page:
  Settings ➔ Telephony ➔ Connections.

A list (see Figure 3) will be shown with all possible connections that you can configure, or have already configured, for your phone.

Figure 3 List of possible connections
The list will show the following:

Name / Provider
Name of the connection. This will show the name that you have defined for the connection (page 112, page 116) or the default name (IP1 to IP6 for VoIP connections, Fixed Line for the fixed line network connection and Gigaset.net). VoIP connections also display the name of the VoIP provider with which you have opened the account. If the name is unknown the display will show Other Provider.

Suffix
Line suffix that you have to add to the phone number of an outgoing call to allow the account assigned to the suffix to be used as the sending account. Example: If you dial 123456765#1, the connection will be made and billed through the first VoIP account, regardless of the number you have assigned to your handset as the send number and whether you press briefly/press and hold the talk key.
If you dial 123456765#0, the connection will be made via the fixed line network.

Status
The status of the connection will be shown for VoIP connections:
Registered
The connection is activated. The phone has been successfully registered. You can use the connection to make calls.
Disabled
The connection is deactivated. The phone is not registering with the corresponding account with the VoIP service. You cannot use the connection to make or receive calls.
Registration failed / Server not accessible
Your phone was unable to register with the VoIP service, e.g. because the VoIP access data is incorrect or incomplete or the phone is not connected to the Internet. There is information about this in the section "Questions and answers" from page 136 onwards.

Active
You can use the option in the Active column to activate ( ) and deactivate ( ) VoIP connections. If a connection is deactivated, the phone will not register for this connection. The connection can be activated/deactivated by clicking directly on the option. The change does not need to be saved.
To configure a connection or to change the configuration of a connection:
› Click Edit next to the connection.
This will open a Web page where you can make the settings needed. More information is available
◆ in the section "Configuring the VoIP connection" on page 111 and
◆ in the section "Configuring the fixed line connection" on page 116

Configuring the VoIP connection
Open the Web page:
› Open the following Web page:
  Settings ➔ Telephony ➔ Connections.
› Click Edit next to the VoIP connection that you want to configure or the configuration of which you want to change.
This will open a Web page where you can make the settings that your phone needs to access your provider’s VoIP server.
The Web page always displays the following areas:
◆ IP Connection (page 112),
◆ Auto Configuration (page 112)
◆ Personal Provider Data (page 113).
The areas
◆ General Provider Data (page 114) and
◆ Network (page 114)
can be shown and hidden by clicking the Show Advanced Settings and Hide Advanced Settings buttons.
Web configurator – configuring phone via PC

You must enter the VoIP provider’s general access data in these areas. You can download this data for many VoIP providers from the Internet (see “Area: Auto Configuration”).

- Make the settings on the Web page.
- Save them in the phone, see page 116.
- Activate the connection if necessary, see page 116.

Area: IP Connection
Connection Name or Number
Enter a name for the VoIP connection or the VoIP phone number (max. 16 characters). This name is used to display the connection on the handset and the Web configurator interface, e.g. during allocation of send and receive numbers (page 120), for the call display (page 29).

Area: Auto Configuration
The entire configuration process or a large part of the configuration for a VoIP connection is automated for many VoIP providers. You can download the necessary VoIP access data to your telephone from the Internet.

You have the following options:
- Fully automated configuration
  Preconditions:
  - You have received an auto configuration code from your VoIP provider.
  - The general access data for your VoIP provider is available for downloading.

You can download all the data required for VoIP access from the Internet:
- Enter the auto configuration code you received from your VoIP provider in the Auto Configuration area in the Auto Configuration Code field.
- Click Start Auto Configuration.

The telephone establishes a connection to the Internet and downloads all data required for the VoIP connection, i.e. the general provider information and your personal provider data (account data) are saved to your base station.

If further information is used on the Web page, this is deleted as soon as Start Auto Configuration is clicked. The fields in the Personal Provider Data and General Provider Data areas and the server addresses in the Network area are overwritten by the downloaded data. Generally, you should not have to enter any additional data on this Web page.

Please note:
If the message Download of settings not possible! File is corrupt! appears, no data will be loaded onto the phone. Possible causes of this are:
- The incorrect code has been entered (e.g. upper/lower case rules have not been followed). If necessary, enter the code again.
- The file that has been downloaded is invalid. Please consult your VoIP provider.

When the download is complete, the Connections list will be displayed.
- Activate the connection as described on page 116.

You can now be reached on the corresponding VoIP phone number.

- Automatic configuration of general VoIP provider data
  Precondition: You have received your account details from your VoIP provider (e.g. Authentication Name, Authentication password).

Profile files of the most important VoIP providers are available for download on the Siemens Internet server. The address for the server is stored in your phone (page 132).
Proceed as follows to load the data onto your telephone:
- In the Auto Configuration area, click Select VoIP Provider. This will display information on the download procedure.

Please note:
If you click the Select VoIP Provider button, any changes that have been made to the Web page will be saved and checked. Values may need to be corrected before the Select VoIP Provider operation is started.

The download procedure has several steps:
- Click Next.
- From the list, select the country for which the list of VoIP providers is to be loaded.
- Click Next.
- Select your VoIP provider from the list.
  If your provider is not included in the list, select Other Provider. In this case you will have to enter the general provider data by hand (see "Area: General Provider Data" and "Area: Network" below).
- Click Finish.

The details of the selected provider are loaded to your phone and saved under General Provider Data (page 114) and Network (page 114). You cannot make any further entries in these areas.

The Provider field shows the name of the selected provider or Other Provider. A link to the provider's homepage is displayed where available.
To complete configuration of your VoIP connection enter your account data under Personal Provider Data.

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Area: Personal Provider Data
Enter the configuration data that is necessary for accessing your VoIP provider's SIP service. You will receive this data from the VoIP provider.

The field names (Authentication Name etc.) listed in the following are standard names and may change. If you have already downloaded the provider's general details ("Select VoIP Provider" button, see above), field entries will be replaced by provider-specific names to facilitate orientation (e.g. SIP-ID instead of Authentication Name).

Authentication Name
Specify the registration or authentication ID agreed with your VoIP provider. The registration ID serves as the access ID that your phone must specify when registering with the SIP proxy/registrar server. The Authentication Name is mainly identical to the Username, i.e. to your Internet phone number.

Authentication password
Enter the password that you have agreed with your VoIP provider in the Authentication password field. The phone needs the password when registering with the SIP proxy/registrar server.

Username
Enter the user name (caller ID) for your VoIP provider account. This ID is usually identical to the first part of your SIP address (URI, your Internet phone number).

Example: If your SIP address is "987654321@provider.com", enter "987654321" in Username.

Display name (optional)
Enter any name that should be shown in the other caller's display when you call them via the Internet (example: Anna Sand). All characters in the UTF8 character set (Unicode) are permitted. The name must not exceed 32 characters.
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If you do not enter a name, your User-name VoIP phone number will be displayed.

Ask your VoIP provider if this feature is supported.

Area: General Provider Data

If you have downloaded the general settings for the VoIP provider from the Siemens configuration server (page 112), then the fields in this area will be preset with the data from the download. Generally speaking, you do not need to configure any settings in this area.

Domain
Specify the last part of your SIP address (URI) here.

Example: For the SIP address “987654321@provider.com”, enter “provider.com” in Domain.

Proxy server address
The SIP proxy is your VoIP provider’s gateway server. Enter the IP address or the (fully-qualified) DNS name of your SIP proxy server. Example: myprovider.com.

Proxy server port
Enter the number of the communication port that the SIP proxy uses to send and receive signalling data (SIP port). Port 5060 is used by most VoIP providers.

Registrar server
Enter the (fully-qualified) DNS name or the IP address of the registrar server. The registrar is needed when the phone is registered. It assigns the public IP address/port number to your SIP address (Username@Domain) that were used by the phone at registration. With most VoIP providers, the registrar server is identical to the SIP server. Example: reg.myprovider.com.

Registrar server port
Enter the communication port used in the registrar. It is mainly port 5060 that is used.

Registration refresh time
Enter the time intervals at which the phone should repeat the registration with the VoIP server (SIP proxy) (a request will be sent to establish a session). The repeat is required so that the entry of the phone in the tables of the SIP proxy is retained and the phone can therefore be reached. The repeat will be carried out for all activated VoIP phone numbers.

The default is 180 seconds.

If you enter 0 seconds, the registration will not be repeated periodically.

Area: Network

Please note:
If you have downloaded the general settings for your VoIP provider from the Siemens configuration server (page 112), then some fields in this area will be preset with the data from the download (e.g. the settings for the STUN server and outbound proxy).

If your phone is connected to a router with NAT (Network Address Translation) and/or a firewall, you must make some settings in this area so that your phone can be reached from the Internet (i.e. can be addressed).

Through NAT, the IP addresses of subscribers in the LAN are concealed behind the public IP address of the router.

For incoming calls
If port forwarding is activated or a DMZ is set up for the phone on the router, no special settings are required for incoming calls.

If this is not the case, an entry in the NAT routing table (in the router) is necessary in order for the phone to be reached. This entry is created when the phone is registered with the SIP service. In the interest of security, this entry is automatically deleted at certain intervals (session timeout). The phone must therefore confirm its registration at certain intervals (see NAT refresh time, page 115), so that the entry stays in the routing table.
For outgoing calls

The phone needs its public address in order to receive caller voice data. There are two possibilities:

- The phone requests the public address from a STUN server on the Internet (Simple Transversal of UDP over NAT). STUN can only be used with asymmetric NATs and non-blocking firewalls.
- The phone does not direct the connection request to the SIP proxy but to an outbound proxy on the Internet that supplies the data packets along with the public address.

The STUN server and outbound proxy are used alternately to work around the NAT/firewall in the router.

STUN enabled
Click Yes if you want your phone to use STUN as soon as it is used on a router with asymmetric NAT.

STUN server
Enter the (fully-qualified) DNS name or the IP address of the STUN server on the Internet.
If you selected Yes in the STUN enabled field, you must enter a STUN server here.

STUN port
Enter the number of the communication port on the STUN server. The default port is 3478.

STUN refresh time
Enter the time intervals at which the phone should repeat the registration with the STUN server. The repeat is required so that the entry of the phone in the tables of the STUN server is retained. The repeat will be carried out for all activated VoIP phone numbers.
Ask your VoIP provider for the STUN refresh time.
The default is 240 seconds.
If you enter 0 seconds, the registration will not be repeated periodically.

NAT refresh time
Specify the intervals at which you want the phone to update its entry in the NAT routing table. Specify an interval in seconds that is a little smaller than the NAT session timeout.
As a rule you should not change the preconfigured value for the NAT refresh time.

Outbound proxy mode
Specify when the outbound proxy should be used.
Always
All signalling and voice data sent by the phone is sent to the outbound proxy.
Auto
Data sent by the phone is only sent to the outbound proxy when the phone is connected to a router with symmetric NAT or blocking firewall. If the phone is behind an asymmetric NAT, the STUN server is used.
If you have set STUN enabled = No or have not entered a STUN server, the outbound proxy is always used.
Never
The outbound proxy is not used.

Outbound proxy
Enter the (fully-qualified) DNS name or the IP address of your provider's outbound proxy.

Please note:
With many providers, the outbound proxy is identical to the SIP proxy.

Outbound proxy port
Enter the number of the communication port used by the outbound proxy.
The default port is 5060.
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Saving settings on the phone
› Click Set to save the changes.
The Connections list will be shown after saving (see Figure 3 on page 110).
If you want to reject the changes that have been made, click Cancel.
Clicking the Delete button will reset all the values back to their default settings. Fields with default settings are empty.

Please note: If you do not make any entries for a lengthy period, the connection to the Web configurator is automatically terminated. Unsaved entries are lost. If necessary, implement temporary security measures. You can subsequently continue the entry and make changes if necessary.

Activating a new connection
If you have configured a new VoIP connection, you must also activate it.
In the Connections list:
› Activate the relevant option in the Active column (✓ = activated).
Your phone will register itself with the VoIP provider using the relevant access data. Update the Web page (e.g. by pressing F5). The Status Registered column will appear if registration was successful. You can now be reached on this VoIP phone number.

Please note:
Once the new entry has been made, the VoIP phone number is assigned to each handset and also the integrated answer machine as a receive number. For how to adjust the assignment, see page 120.

Configuring the fixed line connection
You can assign a name to your fixed line connection. This name is used to display the connection on the handset and the Web configurator interface, e.g. during allocation of send and receive numbers (page 120), for the call display (page 29).

› Open the following Web page:
  Settings ➔ Telephony ➔ Connections.
› In the Fixed Line Connection area, click the Edit button.
› Enter your fixed line network number or the name of your choice (max. 16 characters) for your fixed line connection in the Connection Name or Number field. The default is "Fixed Line".

Activating/deactivating the Gigaset.net connection
Your phone is assigned a Gigaset.net phone number on delivery. As soon as you have connected your phone to the Internet, you can make calls using the Gigaset.net and receive calls from other Gigaset.net subscribers, provided that your Gigaset.net connection has been activated. You can deactivate the Gigaset.net connection.

› Open the following Web page:
  Settings ➔ Telephony ➔ Connections.
The list of connections will be displayed (see Figure 3 on page 110).
› In the Gigaset.net area: use the option in the Active column to activate (✓) or deactivate (☐) the Gigaset.net connection.

Please note:
If you do not use your Gigaset.net connection for six weeks, it is automatically deactivated. You cannot be reached for calls from the Gigaset.net.
The connection is re-activated:
  – as soon as you start a search in the Gigaset.net directory (page 34) or
  – make a call via Gigaset.net, i.e. dial a number ending in #9 (two attempts may be necessary) or
  – activate the connection via the Web configurator as described above.
Optimising voice quality for VoIP connections

You can make general and connection-specific settings to improve the voice quality for VoIP telephony.

- Open the following Web page:
  Settings ➔ Telephony ➔ Audio.

The voice quality for VoIP connections is mainly determined by the voice codec used for transferring the data and the available bandwidth of your DSL connection.

In the case of the voice codec, the voice data is digitalised (coded/decoded) and compressed. A "better" codec (better voice quality) means more data needs to be transferred, i.e. perfect voice data transfer requires a DSL connection with a larger bandwidth.

The following voice codecs are supported by your phone:

- **G.722**
  Excellent voice quality. The broadband speech codec G.722 works at the same bit rate as G.711 (64 kbit/s per speech connection) but with a higher sampling rate. This allows higher frequencies to be played back. The speech tone is therefore clearer and better than for the other codecs (High Definition Sound Performance).

- **G.711 a law / G.711 µ law**
  Excellent voice quality (comparable with ISDN). The necessary bandwidth is 64 kbit/s per voice connection.

- **G.726**
  Good voice quality (inferior to that with G.711 but better than with G.729).
  Your phone supports G.726 with a transmission rate of 32 kbit/s per voice connection.

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**G.729**

Average voice quality. The necessary bandwidth is less than 8 kbit/s per voice connection.

Both sides of a phone connection (caller/sender side and receiver side) must use the same voice codec. The voice codec is negotiated between the sender and the recipient when establishing a connection.

You can influence the voice quality by selecting (bearing in mind the bandwidth of your DSL connection) the voice codecs your phone is to use, and specifying the order in which the codecs are to be suggested when a VoIP connection is established.

**Area: Settings for Bandwidth**

The settings in this area influence all VoIP connections (VoIP phone numbers).

**Allow 1 VoIP call only**

You can usually make two VoIP calls at the same time on your phone. If, however, your DSL connection has a narrow bandwidth, there may be problems if two VoIP calls are made at the same time. The data is no longer transferred properly (long voice delay, data losses etc.).

- Activate Yes next to Allow 1 VoIP call only to prevent any further parallel VoIP phone connections being established.
- If you wish to permit two VoIP connections, activate the No option.

**Please note:** If only one VoIP connection is permitted, the following VoIP network services are no longer available:

- Call waiting
  Call waiting is not displayed during a call via VoIP
- External consultation call from a VoIP call
- Toggling and initiating a conference call via VoIP
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Voice Quality
Default settings for the codecs used are stored in your phone: one setting optimised for narrow and one for wide bandwidths.

- Activate one of the options Optimized for low bandwidth / Optimized for high bandwidth if you wish to accept a default setting for all VoIP connections. The settings are shown in the Settings for Connections area and cannot be changed.
- Activate the Own Codec preference option if you wish to select and set connection-specific voice codecs yourself (see "Area: Settings for Connections").

Area: Settings for Connections
In this area you can make specific settings for each of your VoIP phone numbers. You can make the following settings for each VoIP phone number configured on your phone:

Volume for VoIP Calls
Depending on the VoIP provider, it is possible that the received voice/earpiece volume is too low or too high, so that adjusting the volume via the handset is not adequate.

Specify whether the received volume range is too high or too low. The following options are available:

Low
Voice/earpiece volume is too high. Activate this option to reduce the volume by 6 dB.

Normal
The voice/earpiece volume does not need to be raised/lowered.

High
Voice/earpiece volume is too low. Activate this option to increase the volume by 6 dB.

Voice codecs

Precondition: The Own Codec preference option is activated for the Voice Quality in the Settings for Bandwidth area.
Select the voice codecs your phone is to use, and specify the order in which the codecs are to be suggested when a VoIP connection is established via this VoIP phone number.

- Apply the voice codecs that your phone is to suggest with outgoing calls into the Selected codecs list. To do this, in the Available codecs list click the voice codec that you want to apply (you can mark several entries using the Shift key or the Ctrl key). Click <Add>.

- Move the voice codecs that you do not want the phone to use into the Available codecs list. Also, select the voice codecs in the Selected codecs list (see above) and click Remove>.

- Sort the voice codecs in the Selected codecs list into the order in which they should be suggested to the receiving device when a connection is established. To do this, use the Up and Down buttons.

When establishing a VoIP connection, the phone suggests the 1st voice codec in the Selected codecs list to the receiving device to begin with. If the receiving device does not accept the codec (e.g. because it is not supported), the 2nd voice codec on the list is suggested, and so on.
If the receiving device does not accept any of the voice codecs in the Selected codecs list, the connection is not established. An appropriate message will be displayed on the handset.

If the phone always starts by trying to establish a broadband connection, put the G.722 codec at the top of the list Selected codecs.
Please note:
- You should only deactivate codecs (put them in the Available codecs list) if there is a particular reason. The more codecs that are deactivated, the greater the danger that calls will not be able to be established due to unsuccessful codec negotiations. In particular you can only establish broadband connections if you permit the G.722 codec
- With incoming calls, all supported voice codecs are always permitted.

Area: Settings for Codecs
To save additional bandwidth and transmission capacity, on VoIP connections that use the G.729 codec you can suppress the transmission of voice packets in pauses ("Silence Suppression"). Then, instead of the background noises in your environment, your caller hears a synthetic noise generated in the receiver.

Please note: "Silence Suppression" can sometimes lead to deterioration in the voice quality.
- In the Enable Annex B for codec G.729 field, state whether the transmission of data packets during pauses should be suppressed when using the G.729 codec, (activate Yes).

Saving settings on the phone
- Click Set to save the settings for the voice quality.

Please note:
You should observe the following for good voice quality:
- When making calls using VoIP, avoid performing other Internet activities (e.g. surfing the Internet).
- Irrespective of the codec used and the network capacity utilisation, please note that voice delays can occur.

Voice quality and infrastructure
With your Gigaset S685/S675 IP you have the opportunity to make calls with good voice quality via VoIP.

However, your phone’s performance with VoIP – and therefore the voice quality – also depends on the properties of the entire infrastructure.

The following VoIP provider components are just some of the things that can influence performance:
- Router
- DSLAM
- DSL transmission line and speed
- Connection paths over the Internet
- If necessary, other applications that also use the DSL connection

In VoIP networks, voice quality is affected by various things including the "quality of service" (QoS). If the entire infrastructure demonstrates QoS, voice quality is better (fewer delays, less echoing, less crackling etc.).

If, for example, the router does not have QoS, then the voice quality is not as good. Please see the specialist documentation for further information.

Setting the telephone default connection
The default telephone connection defines which line type (VoIP or fixed line network) will be used to dial numbers when you briefly press the (c) key. The default connection is applied to all registered handsets.
- Open the following Web page: Settings ➔ Telephony ➔ Number Assignment.
- Enter the default connection in the Linetype for outgoing calls area. This can be done by clicking on the VoIP or Fixed Line option.
- Now click Set to activate your settings.
Assigning send and receive numbers to handsets

You can assign up to eight numbers on your phone: your fixed line network number, your Gigaset.net number and six VoIP numbers.

You can assign as many of these numbers as you like to each handset as receive numbers. Receive numbers determine which handset(s) will ring when a call is received.

You can assign one of your VoIP numbers to each handset as a (VoIP) send number. Send numbers define which VoIP account should be used in general to make and pay for outgoing VoIP calls. Exceptions:

- A phone number is dialled with a line suffix (page 111) or
- A dialling plan has been defined for the phone number (page 124).

The display shows all registered handsets. A list is displayed for each handset showing the phone numbers that are configured and activated for the phone. The connection names are shown in the Connections column. The fixed line network connection is always at the end of the list.

- Define a VoIP phone number as the send number for each handset. To do this, click the option following the phone number in the for outgoing calls column. The previous assignment will automatically be deactivated.

Please note:

- The fixed line network number is permanently assigned to each handset as a send number. This assignment cannot be deactivated. It ensures that emergency calls can be made from every handset. The Gigaset.net number is also permanently assigned to each handset.

- Select the phone numbers for each handset (fixed line network, VoIP) that are to be assigned to the handset as receive numbers. To do this, click the option following the phone number in the for incoming calls column. Every handset can be assigned several phone numbers or no phone number ( = assigned).

- Now click Set to save your settings.

Please note:

- If a VoIP phone number that has been assigned to a handset as a send number is deleted, then the handset will automatically be assigned the first configured VoIP phone number.

- Calls made to a number that is not assigned to a handset as a receive number will not be signalled on any handset.

- If you have not assigned receive numbers to any of the handsets, calls to all connections will be signalled on all handsets.
**Gigaset S675/S685 IP: assigning receive numbers to the answer machine**

You can specify for which of your phone numbers your telephone's answer machine is to accept the calls. To do this, assign receive numbers to the answer machine.

**Please note:**
- Once the new entry has been made, each VoIP phone number is assigned to the integrated answer machine as a receive number.
- If no receive number is assigned to the answer machine, it will not accept any calls even if it is activated.
- For how to set and operate the answer machine, see page 61.

- Open the following Web page: Settings → Telephony → Number Assignment.
- In the Answering machine area, select the phone numbers (fixed line network, VoIP) for which the answer machine is to accept calls (if it is activated, see page 61). To do this, click the option following the phone number in the for incoming calls column. You can assign as many numbers as you wish to the answer machine (assigned).
- Now click Set to save your settings.

**Activating Call Forwarding for VoIP connections**

You can forward calls to your VoIP numbers and to your Gigaset.net number.

You can forward calls to your VoIP numbers to any external number (VoIP, fixed line or mobile network number). The forwarding is done via a VoIP connection.

You can forward calls to your Gigaset.net number within the Gigaset.net, i.e. to another Gigaset.net number.

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You can define if and when calls to your Gigaset.net number and some of your VoIP numbers (VoIP account) should be forwarded to this VoIP number.

You can also use the handset to define call forwarding and activate/deactivate it, see page 39.

- Open the following Web page: Settings → Telephony → Call Forwarding.

The display shows a list of all your VoIP connections and your Gigaset.net number.

**Connections**
Select the name you have assigned to the VoIP number, or select Gigaset.net.

**When**
Select when a call to this number should be forwarded: When busy / No reply / Always. Select Off to deactivate call forwarding.

**Call number**
Enter the phone number to which the calls should be forwarded. Please note that you may have to enter the area code when forwarding to a fixed line network number in the same area (depending on your VoIP provider and the setting for the automatic area code, see page 123).

The settings only affect the selected phone number.

**Please note:**
For how to forward your fixed line network number, see page 37.
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Setting the DTMF-reminder for VoIP

DTMF signalling is required, for example, for querying and controlling certain network mailboxes via digit codes or for remote operation of the integrated answer machine.

To send DTMF signals via VoIP you must first define how key codes should be converted into and sent as DTMF signals: as audible information via the speech channel or as "SIP Info" message.

Ask your VoIP provider which type of DTMF transmission it supports.
- Open the following Web page: Settings → Telephony → Advanced Settings.
- Enter the data you received from your VoIP provider into the Application Type and Application Signal fields in the Hook Flash (R-key) area.
- Now click Set to save your settings.

The setting for the recall key applies to all registered handsets.

Defining recall key functions for VoIP (hook flash)

Your VoIP provider may support special performance features. To make use of these features, your phone needs to send a specific signal (data packet) to the SIP server. You can assign this "signal" to your phone’s recall key.

If you press the recall key during a VoIP call the signal will be sent to the server.

Please note:
- The settings for DTMF signalling apply to all VoIP connections (VoIP accounts).
- DTMF signals can not be transmitted in the audio path (Audio) on broadband connections (the G.722 codec is used).

Defining local communication ports for VoIP

- Open the following Web page: Settings → Telephony → Advanced Settings.
- In the Listen ports for VoIP connections area, specify which local ports the telephone is to use for VoIP telephony. The ports must not be used by any other subscriber in the LAN.

SIP port
- Specify the local communication port that the phone should use to send and receive signalling data. Specify a number between 1024 and 49152. The default port number for SIP signalling is 5060.

RTP port
- Specify the local communication port that the phone should use to receive voice data. Enter an even number between 1024 and 49152. The port number must not be the same as the port number in the SIP port field. If you enter an odd number, the next lowest even number will be selected automatically (e.g. you enter 5003, then 5002 is set automatically). The default port number for voice transmission is 5004.

Use random ports
- Click the Yes option if you do not want the phone to use fixed ports for SIP port and RTP port, but rather to use any free ports.
- The use of random ports makes sense if you want several phones to be operated on the same router with NAT.
The phones must then use different ports so that the router’s NAT is only able to forward incoming calls and voice data to one (the intended) phone.
If you click No, the phone will use the ports specified in SIP port and RTP port.

Now click Set to save your settings.

Configuring call forwarding via VoIP

If you are toggling calls via VoIP connections, you can connect the two external callers (provider-dependent). You can configure settings for this type of call forwarding.

Open the following Web page: Settings → Telephony → Advanced Settings.

Configure the following settings in the Call Transfer area for call forwarding via VoIP:

Transfer Call by On-Hook
If you activate Yes, the external parties you are toggling between will be connected when you press the end call key (End). Your connections with the callers will be terminated.
To learn how to forward a call when you have activated No, please see page 40.

Preferred Refer To
Define the protocol (the contents of the "Refer To" information) that should be used with preference when forwarding calls:

Target’s contact info
This protocol is recommended for "closed" networks (internal company and business networks).

Original URL
This protocol is recommended when the base station is connected to the Internet via a router with NAT.

Automatic Refer To
If you activate Yes, the base station will attempt to determine the best protocol automatically.
If the base station cannot determine the best protocol, it will use the protocol defined in Preferred Refer To.

Now click Set to save your settings.

Setting area code predialling

On the base station, save the complete code (with international code) for the area in which you are using the phone.
For VoIP calls you must generally always dial the area code – even for local calls.
You can save the need to dial the area code for local calls by setting your phone to prefix this code for all VoIP calls made in the same local area.
For calls made via VoIP, the area code entered is then prefixed to all numbers that do not start with 0 — even when dialling numbers from the directory and other lists. Exceptions: Numbers for which you have defined dialling plans (page 124).

Open the following Web page: Settings → Telephony → Dialling Plans.
Configure the following settings in the Area Codes area:

From the Country list, select the country in which you are using your phone.
This way the country code and the prefix of the area code are automatically set (in International Prefix / Area Code and Local Prefix fields).

In the Local Area Code field enter the area code for your town without a prefix, e.g. 20 (for London).
Click Yes next to Predial area code for local calls through VoIP to activate the function.
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Click No to deactivate the function. You will then need to enter the area code for local calls made via VoIP. Numbers in the directory must always contain the area code for dialling via VoIP.

- Click Set to save the settings.

Please note:
- The area code will also be prefixed to VoIP calls made to emergency numbers if there are no defined dialling plans for these numbers.
- The numbers of your network mailbox saved in the base station are not prefixed with a code (page 126).

Defining dialling plans – cost control

You can define dialling plans to reduce costs:
- You can define the connection (one of your VoIP accounts, the fixed line network) through which calls to specific numbers should be made and paid for. If you enter just a few digits (e.g. area, national or mobile network code) any call to a number beginning with these digits will be made via the elected connection.
- You can block specific numbers, i.e. your phone will not establish a connection to these numbers (e.g. 0900 numbers).

These dialling plans apply to all registered handsets. The settings for the default connection (briefly press/press and hold [FixedLine]) and the send numbers of handsets do not apply to numbers governed by a dialling plan.

Please note:
You can override dialling plans, with the exception of blocks, as follows:
- Dial the number with a line suffix (e.g. 123456789#3, see page 27).
- Before you enter the number, define a different connection type by pressing the display keys [FixedLine] / [IP] (page 87). If, for e.g., you press [FixedLine], the number will be dialled via the fixed line network, even if the dialling plan states that a VoIP connection should be used.

Area code predialling is not prefixed to numbers governed by a dialling plan (page 123).

Tips:
- Compare the rates for long-distance calls (especially for international calls) offered by your fixed line network and VoIP providers, and determine which connection should be used specifically for these countries/locations, e.g. a dialling plan for the Phone Number "0033" would apply to every call made to France.
- Use dialling plans to define that numbers starting with a call-by-call number are always made via your fixed line network connection. To do so, enter the call-by-call number in the Phone Number field.

Defining dialling plans

- Open the following Web page:
  Settings ➔ Telephony ➔ Dialling Plans.

You can define dialling plans for your telephone in the Dialling Plans area. Specify the following:

Phone Number
Enter the number or the first digits of the phone number (e.g. an area code) to which the dialling plan should apply (max. 15 digits).

Enter each phone number and the area code, even if you have activated the Predial area code for local calls through VoIP (page 123) function.
Connection Type
The list shows all the VoIP connections that you have configured as well as your fixed line network connection. It also displays the name assigned to each connection.

- From the list, select the connection via which the number or numbers that start with the sequence of digits should be dialled.

Or:
- Select Block if the number or numbers that start with the sequence of digits should be blocked.
The display will show Not possible! if an attempt is made to dial a blocked number.

Comment (optional)
You can enter a description of up to 20 characters for the dialling plan here.

- Click Add.
The dialling plan is activated immediately.
A new empty line for a new dialling plan will appear if your phone still has enough space.

Please note:
If dialling plans overlap, the one with the greatest concordance will apply.
Example: There is a dialling plan for the number "02" and one for the number "023". If you dial "0231..." the second plan will apply; if you dial "0208..." the first plan will apply.

Examples:
- You want to block your phone for all 0900 numbers.
  Dialling plan:
  Phone Number = 0900 Connection Type = Block
- All calls to the mobile phone network shall be made via your VoIP connection with provider B.

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Dialling plans:
Phone Number = 017
Connection Type = IP3, provider B and the corresponding entries for "015" and "016".

Activating/deactivating dialling plans
- Click the option in the Active column to activate/deactivate the corresponding dialling plan ( = activated).
A deactivated dialling plan will not take effect until it is re-activated.

Deleting dialling plans
- Click Delete next to the dialling plan you wish to delete.
The dialling plan is deleted from the list immediately. The space in the list is released.

Please note:
Predefined dialling plans set as defaults (for emergency numbers cannot be deactivated and cannot be deleted.

Emergency numbers
Dialling plans for emergency numbers (e.g. the local emergency service number) are factory-set for certain countries. The fixed line network is determined as the Connection Type.
These dialling plans cannot be deleted, deactivated or blocked. However, you can change the Connection Type.
This should only be changed if the phone is not connected to the fixed line network.
If you choose a VoIP connection, please make sure the VoIP provider supports emergency calls.
If no emergency numbers are set by default, you should define dialling plans for emergency numbers yourself and assign them to a connection of which you know that it supports emergency calls.
Emergency calls are always supported by fixed line networks.
Activating/deactivating network mailbox, entering numbers

Many fixed line network providers and VoIP providers offer answer machines on the network – these are known as network mailboxes.

Each network mailbox accepts incoming calls made via the corresponding line (fixed line network or corresponding VoIP phone number).

You can enter the relevant network mailbox for each configured connection (VoIP, fixed line network) via the Web configurator. You can activate or deactivate the network mailbox for your VoIP connections.

Open the following Web page: Settings → Telephony → Network Mailbox.

A list with all possible connections is displayed on the Web page. The names of the connections are displayed in the Connection column.

Entering numbers

- Enter the network mailbox number in the Call number column after the desired connection.
- With some VoIP providers your mailbox number will be downloaded together with the general VoIP provider data (page 112), saved to your base station and displayed under Call number.
- Now click Set to save your settings.

Activating/deactivating the network mailbox

- You can activate (✓) and deactivate (☐) individual VoIP network mailboxes using the option in the Active column. Activating/deactivating is carried out by clicking on the appropriate option. The change does not need to be saved.

Please note:

- You need to have requested the network mailbox for your fixed line network connection from your fixed line network provider.
- For how to enter the network mailbox numbers and activate/deactivate network mailboxes, please see page 78.

Saving messenger access data

The messenger client in your base station enables instant messaging (immediate message transfer, chatting). The phone supports the XMPP messenger (Jabber).

In order for you to use your phone’s messenger to "go online" and "chat" on the Internet, the access data of a messenger server must be saved on your phone.

Your phone is already registered with the Gigaset.net Jabber server. An account has been assigned to your phone. You can chat to other Gigaset.net subscribers via this account. To do this you need to create a buddy list on the PC (see "Setting up Gigaset.net Jabber account" on page 127).

You can also register with another instant messaging provider that supports XMPP Messenger (Jabber). You must then save the messenger server address and your access data on your phone.

You can define a Resource name and a Priority for your phone. Both are required if you are logged in (online) with the messenger server with several devices (phone, desktop PC and laptop) at the same time using the same Jabber ID.
The Resource name is used to distinguish between these devices. The phone cannot log in with the messenger server if it does not have a resource name.

You should assign a Priority as each message will only be sent to one device for each Jabber ID. The Priority determines which of the devices receives the message.

**Example:** You are online using one of your phone’s handsets and your PC both at the same time. You have assigned your phone (Resource name "phone") Priority 5 and your PC (Resource name "PC") Priority 10. In this case, any message addressed to your Jabber ID will be sent to your phone.

- Open the following Web page:
  - Settings ➔ Messaging ➔ Messenger.

- In the Messenger Account field, select whether you wish to use the Gigaset.net Jabber server or another provider’s messenger server (Other).
  - The access data for Gigaset.net is already stored in the base station. It is displayed in Jabber ID, Authentication password and Jabber server. With this data you can also register with the Gigaset.net Jabber server through your PC.
- Enter the user ID (max. 50 characters) and password (max. 20 characters) that you used to register with the messenger server in the Jabber ID and Authentication password fields. If you have selected Messenger Account = Gigaset.net, the fields are preconfigured with your Gigaset.net account.
- In the Jabber server field, enter the IP address or the DNS name of the messenger server with which you are registered for instant messaging. Max. 74 alphanumeric characters.
  - If you have selected Messenger Account = Gigaset.net, the field is preconfigured with the name of the Gigaset.net server.

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- Enter the number of the communication port on the Jabber server in the Jabber server port field. The default port is 5222.
  - If you have selected Messenger Account = Gigaset.net, the port number is preconfigured.
- Enter a resource name (max. 20 characters) in the Resource field. The default is: phone.
- Enter the priority for your phone in the Priority field. Select a number between -128 (highest priority) and 127 (lowest priority) for the priority. The default is: 5
- Click Set.

**Setting up Gigaset.net Jabber account**

Your phone is already registered with the Gigaset.net Jabber server. An account has been assigned to your phone.

In order to chat with other Gigaset.net subscribers via this account, you must transfer the required Gigaset.net subscribers to a contact list (buddy list) on your PC. You can use any conventional Jabber client for this (e.g. PSI, Miranda; see e.g. [http://www.swissjabber.ch](http://www.swissjabber.ch)).

Do the following so you can use your Gigaset.net Jabber account:

- Start the Web configurator, open the Settings ➔ Messaging ➔ Messenger Web page and select Messenger Account Gigaset.net in the field. Your account data is displayed in Jabber ID and Authentication password. You will need these to create a buddy list via the Jabber client on the PC.
- Start your Jabber client on the PC.
- Enter your Gigaset.net Jabber ID on the Jabber client as a new account. The Jabber ID consists of your Gigaset.net number and “@jabber.gigaset.net”
  - Example:
    - 12345678901#9@jabber.gigaset.net
- Then enter your Authentication password.
Please note:
- Do not select the option "Create new account". Your Gigaset.net Jabber account has already been created in Gigaset.net.
- The option "SSL connection" must be deactivated in the Jabber client.

Now you can enter Gigaset.net subscribers as contacts (buddies).
For the Jabber ID of each subscriber, enter the subscriber's Gigaset.net number with "@jabber.gigaset.net" (example: 2141524901#9@jabber.gigaset.net).
A request to "Add to contact list" will be sent to the subscriber.
If the subscriber accepts this request, they will be added to your buddy list. This updated buddy list will be displayed on the handset the next time the messenger is rebooted. To restart: If necessary, close your connection to the messenger server (page 73) and then go back online (page 72).

Please note:
For how to use your handset to go online and chat with or call buddies, see page 71.

Making e-mail settings
You can use your phone to be notified about new e-mail messages on your incoming e-mail server (page 68).
You must store the address or DNS name of your incoming e-mail server and your personal access data in the phone and activate the e-mail check with the incoming e-mail server, so that the phone can establish a connection to the incoming e-mail server and connect to your mailbox.

- Open the following Web page: Settings ➔ Messaging ➔ E-Mail.
- Enter the user name (account name) agreed with the Internet provider (max. 50 characters) in the Authentication Name field.
- Enter the password that you agreed with your provider for accessing the incoming e-mail server (max. 20 characters; case sensitive) in the Authentication password field.
- Enter the name of the incoming e-mail server (POP3 server) (max. 74 characters) in the POP3 Server field. Example: pop.theserver.com.
- From the Check for new e-mail list select the time interval at which your phone should check if new messages have arrived in your incoming e-mail server. Select Never to deactivate the prompt. Select one of the other values to activate the prompt for new e-mail messages.
- Click the Set button to save the settings in your phone.

Activating/deactivating info services
You can configure your registered Gigaset S67H/S68H handsets to display customised text information (e.g. weather reports, RSS feeds) on the idle display.
Precondition: The Clock is set as a screensaver on the handset (page 86).
Incoming text information will overwrite the screensaver.
You can activate and deactivate the display of text information for every handset.
- Open the following Web page: Settings ➔ Services.
- In the Info services on screensaver area, activate Yes / No to activate or deactivate the display of text information.
- Click the Set button to save the settings in your phone.

Please note:
For how to show the messages from your mailbox on your handset, see page 68.
Configuring info services

Please note:
The weather report is preset. It is shown in the handset's idle display as soon as you set the Clock as a screensaver.

- Click the link www.gigaset.net/myaccount or enter the URL into the address field of a different browser window.
- Enter the account data shown in the Info services on screensaver area into the fields for the user account. This will open a Web page where you can compile your info service.
- Define which information should be sent regularly to your handset.

Selecting and registering online directories for access

You can use online directories (net directory and yellow pages) on your handset. You can use your telephone’s Web configurator to define which online directory you wish to use.

You can also elect to display the name under which the caller making an incoming call is saved in the online or Gigaset.net directory. This function is supported by the provider of the online directory.

- Open the following Web page: Settings ➔ Services. The settings are made in the Online Directory area.
- Select the provider whose online directory you wish to use from the Provider list. Select “---” if you do not wish to use an online directory.

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The following fields are displayed depending on the Provider you select:

Display of caller’s name
This is displayed if the provider supports transmission of the caller name from the online directory to the call display (page 30).
- Click on On to update the display.

Authentication Name, Authentication password
These are displayed if you need to register with the provider to gain access to certain services:
- Some providers require you to register every time you want to access their online directory. They require registration with user name and password for access to the online directory. You will need to save this data to your base station.
- Other providers differentiate between standard and premium services. You can access standard services without first entering user name and password. But you will have to register to use the premium services. You will need to save the access data to your base station to gain access to premium services.
- Enter the details you received from your provider in the Authentication Name and Authentication password fields.
- Click the Set button to save the settings in your phone.

Please note:
The weather report is preset. It is shown in the handset’s idle display as soon as you set the Clock as a screensaver.
Changing internal handset numbers and names

Each handset is automatically assigned an internal number (1 to 6) and an internal name (“INT 1", "INT 2" etc.) when it registers with the base station (page 81).

The internal numbers and names of all registered handsets can be changed.

Open the following Web page:
Settings → Handsets.

The names and internal numbers of all registered handsets are displayed in the Registered Handsets area.

Select the handset whose number/name you want to change.

Changing numbers: Select the internal number that you want to assign to the handset in the No. column of the handset. If a handset with this internal number already exists, you will also have to change the number allocation for this handset. The internal numbers 1-6 can only be assigned once each.

Changing names: If necessary, change the name of the handset in the Name column. The name may contain up to 10 characters.

If necessary, repeat the process for other handsets.

Click Set to save the settings.

The changes are present in the internal lists of all registered handsets. Handsets are sorted by their internal numbers in the internal list. The order of the handsets in the list can therefore be changed.

Please note:
If an internal number has been entered twice, a message will appear. The internal numbers are not changed.

Loading and deleting handset directories to/from the PC

The Web configurator has the following options for editing the directories of the registered handsets.

Store the handset directories on a PC. Entries are stored in vCard format in a vcf file on the PC. You can edit these files with an ASCII editor (e.g. Notepad/Editor in Windows Accessories) and load them onto any handset. You can also transfer directory entries to your PC address book (e.g. Outlook Express™ address book).

Transfer contact details from your PC address book to handset directories. Export the contacts, e.g. with Outlook Express™ to vcf files (vCards) and transfer them to handset directories using the Web configurator.

Delete the directory on the handset. If you have edited the directory file (vcf file) on the PC and would like to use this modified directory on the handset, you can delete the current directory from the handset first.
Tip: Back up the current directory on your PC before deleting it. You can then load it back onto the handset if the modified directory is affected by formatting errors and some, or all, of it cannot be loaded onto the handset.

Please note:
- You can find information on the vCard format (vcf) on the Internet, e.g. under: www.en.wikipedia.org/wiki/VCard or www.de.wikipedia.org/wiki/VCard
  (You can set the display language at the bottom left-hand side in the navigation area of the Web page.)
- You can still load directories in tsv format from your PC to your handset.
- If you want to transfer a handset directory (vcf file) saved on the PC that contains numerous entries to a Microsoft Outlook™ address book, please note the following: Microsoft Outlook™ only ever transfers the first (directory) entry from the vcf file to its address book.

Preconditions:
- The handset can send and receive directory entries.
- The handset is activated and is in idle status.
- Open the following Web page:
  Settings – Handsets.
  The names of all registered handsets are displayed in the Directory area.
- Select the handset for which you want to save or edit the directory. To do this, click on the option before the handset.

Loading the directory file from the PC to the handset
- In the Transfer directory to handset area, enter the vcf file you want to load onto the handset (complete path name), or click Browse... and navigate your way to the file.
- Click the Transfer button to start the transfer.

The display will show how many of the entries from the vcf file are being transferred to the directory.

Transfer rules
The directory entries from a vcf file that are loaded onto the handset will be added to the directory. If an entry already exists for a name, it will either be supplemented or a new entry for the name created. The process will not overwrite or delete any phone numbers.

Please note:
Depending on your handset type, up to 3 entries with the same name will be created in the handset directory for each vCard – one entry per entered number.

Loading the directory from the handset to the PC
- In the Handset Directory area, click Save.
  A Windows dialogue will be shown to save the file.
- Enter the directory on the PC (complete path name) in which the directory file is to be stored. Click Save or OK.

Deleting the directory
- In the Handset Directory area, click Delete.
- Confirm the security prompt Telephone directory of the selected handset will be deleted. Continue? with OK.
This deletes all the entries in the directory, including the entries for online directories.

Please note:
For how to delete the directory on the handset, see page 43.
Directory content (vcf file)

The following data (if available) is written into the vcf file for entry into the directory or transferred from a vcf file into the handset directory.
1. Name
2. First name
3. Number
4. Number (office)
5. Number (mobile)
6. E-mail address
7. Date (YYYY-MM-DD) and time of the reminder call (HH:MM) separated by a "T" (example: 2008-01-22T11:00).
8. Identification as VIP (X-SIEMENS-VIP:1)

Other information that a vCard may contain is not entered into the handset directory.

Example for an entry in vCard format:

```
BEGIN:VCARD
VERSION:2.1
N:Smith;Anna
TEL;HOME:1234567890
TEL;WORK:0299123456
TEL;CELL:0175987654321
EMAIL:anna@smith.com
BDAY:1975-05-04T11:00
X-SIEMENS-VIP:1
END:VCARD
```

Activating VoIP status message display

You can display VoIP status messages on your handset when there are VoIP connection problems. These messages give you information on the status of a connection and contain a provider-specific status code that helps the service team when they are analysing the problem.

- Open the following Web page:
  - Settings ➔ Handsets.
  - The settings are carried out in the Miscellaneous area.
- Click the Yes option next to Show VoIP status on handset to activate the status message display.
  - If you click No, no VoIP status messages are displayed.
- Click Set to save the changes.

Starting a firmware update

If necessary, you can load updates of the base station firmware onto your phone.

The server on which Siemens makes new firmware versions available for your base station is set by default. The URL of the Internet server is displayed in the Data server field.

You should only change this URL under exceptional circumstances (e.g. if requested to do so due to erroneous behaviour). This address is also used to load provider information from the Internet. You should therefore make a note of the default URL before you overwrite it. Otherwise, you will only be able to reactivate the default URL by resetting the base station back to the default settings (page 96).
**Web configurator – configuring phone via PC**

This setting is automatically used for this **particular** firmware update. The URL in the Data server field is saved and used again for subsequent firmware updates. You will have to re-enter the IP address and file name if you need to carry out another firmware update on your local PC.

**Please note:**
If an error arises during a firmware update from a local PC, the most recent version of the firmware is automatically downloaded from the Internet.

**Activating/deactivating the automatic version check**

When the version check is activated, the phone checks on a daily basis whether the Siemens configuration server is carrying a new version of the phone firmware or of the file with the general settings for your VoIP provider.

If a new version is available, a notification is sent to the handset and the message key flashes. You can then carry out an automatic update of the firmware (page 99) or of the VoIP provider settings (page 100).

- Open the following Web page: Settings ➤ Miscellaneous.
- Click the Yes option next to Automatic check for software/profile updates to activate the automatic version check. Click No if you do not want a version check to be carried out.
- Click Set to save the changes.

---

**Preconditions:**
- No calls are being made via the fixed line network or VoIP.
- There is no internal connection between registered handsets.
- The base station menu is not open in any of the handsets.

- Open the following Web page: Settings ➤ Miscellaneous.
- Click Update Firmware.

The firmware is updated. This process can take up to 3 minutes.

**Please note:**
You can also start the firmware update on the handset (page 98).

**Firmware update from local firmware file**

In exceptional circumstances you may receive, for example, a firmware file from Service that you can upload from your PC to your telephone (e.g. because the firmware update via the Internet did not work).

**Precondition:** A Web server is running on the local PC (e.g. Apache).

- First load the firmware file onto your PC.
- In the User defined firmware file field enter the IP address of the PC in your local network and then complete the path and name of the firmware file on the PC. Example: 192.168.2.105/C470IP/FW_file.bin.
- Click Set to save the changes.
- Click the Update Firmware button to start the update.

---

**Please note:**
- When updating from the Internet, checks are made to ensure that no newer version of the firmware exists. If this is not the case, the operation is terminated.
- The firmware is only loaded from the Internet if you have not entered a local file in the User defined firmware file field prior to the update.

---

**Please note:**
- When updating from the Internet, checks are made to ensure that no newer version of the firmware exists. If this is not the case, the operation is terminated.
- The firmware is only loaded from the Internet if you have not entered a local file in the User defined firmware file field prior to the update.
Copying the date/time from time server

The date and time are shown in the idle display of registered handsets. They are important, for example, for stating the correct time in the calls list and for the "anniversary", "appointment" and "alarm clock" functions.

There are two methods for updating the time and date on your base station: manually with one of the registered handsets (page 11) or automatically by synchronisation with a time server on the Internet.

Activate/deactivate synchronisation with a time server as follows:

- Open the following Web page: Settings > Miscellaneous.
- In the Automatic adjustment of System Time with Time Server field select Yes to activate synchronisation between base station and a time server. If you select No the base station will not adopt time settings from a time server. In this case you should set the time and date manually using a handset.
- The Last synchronisation with time server field shows the last time when the base station compared time and date settings with a time server.
- In the Time Server field, enter the Internet address or name of the time server from which the base station should adopt its time and date settings. The time server "europe.pool.ntp.org" is set as default on the base station. You can overwrite the setting.
- From the Country list, select the country in which your base station is being operated.
- The Time Zone field shows the valid time zone for the Country. It shows the deviation between local time (not summer time) and Greenwich Mean Time (GMT).

If a country is divided into various time zones, they will all appear in the list. Select the appropriate Time Zone for the base station from the list.

- The Automatically adjust clock to summer-time changes field will be displayed if your time zone differentiates between summer time and winter time.
- Activate On if you want the time to change automatically to summer time or winter time when summer time begins and ends respectively.
- Activate Off if you do not want to change to summer time.

**Please note:** If the date and time are updated by a time server that automatically switches between summer time and standard time, you must always activate Off here.

- Click the Set button to save the settings in your phone.

Once you have activated synchronisation the base station will compare time and date with a time server as soon as an internet connection is established.

Synchronisation will usually occur once a day (at night) if synchronisation is activated. Any additional synchronisation will take place only after each new system start of the base station (e.g. after a firmware update or a power cut).

If you register a new handset on your base station it will assume the time and date of the base station without any additional synchronisation with the time server.

Date and time settings are transferred to every handset after synchronisation.
Please note:
- The default time server "europe.pool.ntp.org" will remain stored in the base station even if you overwrite it. If you delete your time server from the Time Server field and synchronisation is still activated, the base station will return to synchronisation with the default time server. However, it will no longer appear in the Time Server field.
- The base station will return to synchronisation with the default time server if you have entered your own time server in the Time Server field and the base station is unable to synchronise time and date for ten consecutive attempts.
- If you have deactivated synchronisation with a time server, and if the date and time are not set on any handset, then the base station will attempt to reference date and time settings from the CLIP information of an incoming call.

Querying the phone status

General information about your phone is displayed.
- In the menu list, click the Status tab.
The following information is displayed:

**IP Configuration**

**IP address**
The phone's current IP address within the local network. For assigning the IP address, see page 109.

**MAC address**
The phone's device address.

**Software**

**Firmware version**
Version of the firmware currently downloaded. You can download updates of the firmware on your phone (page 98). Firmware updates are available on the Internet.

**EEPROM version**
Version of your phone's EEPROM storage chip (page 162).
Appendix

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 static.

Contact with liquid

If the handset should 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. The table below contains a list of common problems and possible solutions.

Please note:

To support the service team, it can be helpful if you have the following information to hand:
- Version of firmware, EEPROM and your phone's MAC address
  You can check this information with the Web configurator (page 135). For how to display the MAC address on your handset, turn to page 102.
- VoIP status code (page 140)
  For problems with VoIP connections, you should set VoIP status messages to be displayed on your handset (page 100, page 132). These messages contain a status code that helps when the problem is analysed.

Registration or connection problems with a Bluetooth headset.

- Reset the Bluetooth headset (see the user guide for your headset).
- Delete registration data from the handset when de-registering the device (see page 94).
- Repeat the registration process (see page 94).

The display is blank.

1. The handset is not switched on.
   - Press and hold the end call key.
2. The battery is flat.
   - Charge the battery or replace it (page 10).

The keys of a handset do not respond when pressed.

The keypad lock is activated.

- Press and hold the hash key (page 31).

"Base X" flashes on the display.

1. The handset is outside the range of the base station.
   - Move the handset closer to the base station.
2. The handset has been de-registered.
   - Register the handset (page 81).
3. The base station is not turned on.
   - Check the base station's mains adapter (page 13).
4. The base station firmware is currently being updated (page 98/page 132).
   - Please wait until the update is complete.
Base Search” flashes in the display.
The handset is set to Best Base and no base station is turned on or within range.
- Move the handset closer to the base station.
- Check the base station mains adapter.

Handset does not ring.
1. The ringer tone is switched off.
   - Activate the ringer tone (page 89).
2. Call forwarding set to All Calls.
   - Deactivate call forwarding (fixed line network page 37; VoIP page 39/page 121).

You cannot hear a ringer/dialling tone from the fixed line network.
Base station's phone cord has been replaced.
- When purchasing a new cord, ensure that it has the correct jack pin connections (page 14).

Error tone sounds after system PIN prompt.
You have entered the wrong system PIN.
- Enter system PIN if required.
  Have you forgotten the system PIN?
- Carry out a reset on the base station to set the system PIN back to 0000 (page 97).

The other party cannot hear you.
You have pressed the (INT) key. The handset is "muted".
- Activate the microphone again (page 31).

When making calls from the fixed line network, the caller's phone number is not displayed although CLIP (page 29) is set.
Calling Line Identification is not enabled.
- The caller should ask his network provider to enable Calling Line Identification (CLI).

You hear an error tone (descending tone sequence) when inputting.
Action has failed/invalid input.
- Repeat the operation.
  Watch the display and refer to the user guide if necessary.

You cannot connect to the router and the phone is assigned a static IP address.
- Check on the router whether the IP address is already being used by another device in the LAN or belongs to the block of IP addresses that is reserved on the router for dynamic address assignment.
- If necessary, change the phone's IP address (page 101).

You have made a call via VoIP but cannot hear the other caller.
Your phone is connected to a router with NAT/firewall.
- Your STUN server (page 115) or outbound proxy (page 115) settings are incomplete or incorrect. Check the settings.
- No outbound proxy is entered or the outbound proxy mode Never is activated (page 115) and your phone is connected to a router with symmetric NAT or a blocking firewall.
- Port forwarding is activated on your router, but no permanent IP address has been assigned to your phone.

You cannot make calls via VoIP. “Server not accessible!” is displayed.
- First wait a few minutes. This is often a short-term event that corrects itself after a short time.
  If the message is still displayed, proceed as follows:
  - Check whether your phone's Ethernet cable is correctly connected to the router.
  - Check your router's cable connection to the Internet.
  - Check whether the phone is connected to the LAN. Send a ping command, e.g. from your PC, to the phone (ping <local IP address of the phone>). It may be that no IP address could be assigned to the phone or a permanently set IP address is already assigned to another LAN subscriber. Check the settings on the router, you may have to activate the DHCP server.
Appendix

You cannot make calls via VoIP. Either "Provider registration failed!" or "Registration failed" is shown.

- First wait a few minutes. This is often a short-term event that corrects itself after a short time.

The message may still be displayed for the following reasons:

1. The personal VoIP access data (Username, Authent. Name and Authent. Password) you have entered may be incomplete or wrong.
   - Check your information. In particular, check your use of upper and lower case.

2. The general settings for your VoIP provider are incomplete or incorrect (incorrect server address).
   - Start the Web configurator and check the settings.

You cannot make calls via VoIP. The display shows IP configuration error: xxx or VoIP config.error: xxx (xxx = VoIP status code).

You are trying to make a call via a VoIP connection that is not properly configured.
- Start the Web configurator and check the settings.

The phone does not dial an entered number.

The display shows Not possible!.

The number may be blocked (dial rule).
- Open the Dialling Plans Web page of the Web configurator and delete or deactivate the block if necessary.

You cannot establish a connection to the phone with your PC's Web browser.

- When establishing a connection, check the phone's local IP address that has been entered. You can check the IP address on your handset.
- Check the LAN connections for the PC and phone.
- Check that your phone can be reached. Send a ping command, e.g. from your PC, to the phone (ping <local IP address of the phone>).
- You have tried to reach the phone via a secure http (https://...). Try again with http://....

You cannot be reached for calls from the Internet.

- There is no entry for your phone in your router's routing table. Check the settings for the NAT refresh time (page 115).
- Your phone is not registered with the VoIP provider.
- You have entered the wrong user ID or an incorrect domain (page 113).

No firmware update or VoIP profile download is carried out.

1. If Currently not possible! is displayed, the VoIP connections may be busy or a download/update is already being carried out.
   - Repeat the process at a later time.

2. If File corrupted! is displayed, the firmware or profile file may be invalid.
   - Please only use firmware and downloads that are made available on the preconfigured Siemens server (page 132) or at www.siemens.com/gigasetcustomercare.

3. If Server not accessible! is displayed, the download server may not be accessible.
   - The server is currently not accessible. Repeat the process at a later time.
   - You have changed the preconfigured server address (page 132). Correct the address. If necessary, reset the base station.

4. If Transmission Error XXX is displayed, an error has occurred in the transmission of the file. An HTTP error code is displayed for XXX.
   - Repeat the process. If the error occurs again, consult the Service department.

5. If Check IP settings! is displayed, your phone may not be connected to the Internet.
   - Check the cable connections between the phone and router and between the router and the Internet.
   - Check whether the phone is connected to the LAN, i.e. it can be reached at its IP address.
You cannot listen to or control a network mailbox.

VoIP:
Your VoIP provider does not support the type of DTMF signalling set up on your phone.
› Ask your VoIP provider which signalling it supports and change the settings on your phone (page 122) if necessary.

Operating the base station within a PABX:
Your PABX is set for dial pulsing.
› Set your PABX to touch tone dialling.

No time is specified for a message in the call history.

Date/time is not set.
› Set date/time (page 11) or
› Activate base station synchronisation with a time server on the Internet (page 134).

The integrated answer machine reports "Invalid PIN" on remote operation.

1. You have entered the wrong system PIN.
   › Enter the system PIN again.
2. The system PIN is still set to 0000.
   › Change the system PIN (page 96).

The integrated answer machine does not record messages/has switched to notification announcement.

Its memory is full.
› Delete old messages.
› Play back new messages and delete.

The integrated answer machine will not record a conversation or interrupts the two-way recording.

1. An error tone sounds and the display shows Not possible!.
   › You are making the call via a broadband VoIP connection. A recording is not possible in this case. The attempt by the base station to establish a non-broadband connection instead has failed (rearranging the codec).
   If necessary, you or the other caller must change the setting for the codec used (page 117).

2. The display shows Delete messages
   The answer machine's memory is full.
   › Use a different handset to delete messages from the answer machine and re-start two-way recording.
   Or:
   › Finish the call, delete old messages from the answer machine and re-establish the connection.
Appendix

VoIP status codes

If you have problems with your VoIP connections, activate the Show Stat. on HS function (page 100, page 132). You will then receive a VoIP status code that will support you in problem analysis. Also enter the code during problem analysis by the Service department.

In the following tables you will find the meanings of the most important status codes and messages.

<table>
<thead>
<tr>
<th>Status code</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>0x31</td>
<td>IP configuration error: IP domain not entered.</td>
</tr>
<tr>
<td>0x33</td>
<td>IP configuration error: SIP user name (Authentication Name) not entered. This is shown, for example, when dialling with a line suffix, if no connection is configured for the suffix on the base station.</td>
</tr>
<tr>
<td>0x34</td>
<td>IP configuration error: SIP password (Authentication password) not entered.</td>
</tr>
<tr>
<td>0x300</td>
<td>The called party can be reached under several phone numbers. If the VoIP provider supports this, a list of the phone numbers is transmitted as well as the status code. The caller can select to which number he wants to make the connection.</td>
</tr>
<tr>
<td>0x301</td>
<td>Permanently redirected. The called party can no longer be reached under this number. The new number is transmitted to the phone together with the status code, and the phone then no longer accesses the old number but dials the new address immediately.</td>
</tr>
<tr>
<td>0x302</td>
<td>Temporarily redirected. The phone is informed that the called party cannot be reached under the number dialled. The duration of redirecting is time-limited. The phone is also notified of the duration of redirecting.</td>
</tr>
<tr>
<td>0x305</td>
<td>The query is sent to a different &quot;proxy server&quot;, e.g. to balance out incoming queries. The phone will make the same query once again to another proxy server. This is not a redirection of the address per se.</td>
</tr>
<tr>
<td>0x380</td>
<td>Other service: The query or the call could not be made. But the phone is notified what other options there are to be able to connect the call.</td>
</tr>
<tr>
<td>0x400</td>
<td>Wrong call</td>
</tr>
<tr>
<td>0x401</td>
<td>Not authorised</td>
</tr>
<tr>
<td>0x403</td>
<td>The requested service is not supported by the VoIP provider.</td>
</tr>
<tr>
<td>0x404</td>
<td>Wrong phone number. No caller on this number. Example: In a local call you have not dialled the area code although your VoIP provider does not support local calls.</td>
</tr>
<tr>
<td>0x405</td>
<td>Method not permitted.</td>
</tr>
<tr>
<td>0x406</td>
<td>Not acceptable. The requested service cannot be provided.</td>
</tr>
<tr>
<td>0x407</td>
<td>Proxy authentication required.</td>
</tr>
<tr>
<td>0x408</td>
<td>The party cannot be reached (e.g. account has been deleted).</td>
</tr>
<tr>
<td>0x410</td>
<td>The requested service is not available from the VoIP provider.</td>
</tr>
<tr>
<td>0x413</td>
<td>Message is too long.</td>
</tr>
<tr>
<td>0x414</td>
<td>URI is too long.</td>
</tr>
<tr>
<td>0x415</td>
<td>Query format is not supported.</td>
</tr>
<tr>
<td>0x416</td>
<td>URI is faulty.</td>
</tr>
<tr>
<td>0x420</td>
<td>Incorrect ending</td>
</tr>
<tr>
<td>0x421</td>
<td>Incorrect ending</td>
</tr>
<tr>
<td>0x423</td>
<td>The requested service is not supported by the VoIP provider.</td>
</tr>
<tr>
<td>0x480</td>
<td>The dialled number is temporarily unavailable.</td>
</tr>
<tr>
<td>0x481</td>
<td>The recipient is not available.</td>
</tr>
<tr>
<td>0x482</td>
<td>Double service query</td>
</tr>
</tbody>
</table>
### Status codes and meanings

<table>
<thead>
<tr>
<th>Status code</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>0x483</td>
<td>Too many &quot;hops&quot;: The query was rejected because the service server (proxy) has decided that this query has already passed through too many service servers. The maximum number was previously specified by the original sender of the query.</td>
</tr>
<tr>
<td>0x484</td>
<td>Wrong number: In most cases this response means that you have simply omitted one or more digits in the phone number.</td>
</tr>
<tr>
<td>0x485</td>
<td>The URI dialled is not unique and cannot be processed by the VoIP provider.</td>
</tr>
<tr>
<td>0x486</td>
<td>The called party is busy.</td>
</tr>
<tr>
<td>0x487</td>
<td>General faults: The call was interrupted before a call was established. The status code confirms receipt of the interruption signal.</td>
</tr>
<tr>
<td>0x488</td>
<td>The server cannot process the query because the data entered in the media description is not compatible.</td>
</tr>
<tr>
<td>0x489</td>
<td>The server notifies that the query will be processed as soon as a previous query has been completed.</td>
</tr>
<tr>
<td>0x490</td>
<td>The server rejects the query because the phone cannot decrypt the message. The sender has used an encryption method that neither the server nor the receiver phone can decrypt.</td>
</tr>
<tr>
<td>0x500</td>
<td>The proxy or the receiving device has discovered a fault while executing the query, which makes further execution of the query impossible. In this case, the caller or the phone displays the fault and repeats the query after a few seconds. The number of seconds after which the query can be repeated may be transmitted to the caller or phone by the receiving device.</td>
</tr>
<tr>
<td>0x501</td>
<td>The query cannot be processed by the recipient because the recipient does not have the functionality that the caller requires. If the recipient understands the query but does not process it because the sender does not have the necessary rights or the query is not permitted in the current context, a 405 is sent instead of 501.</td>
</tr>
<tr>
<td>0x502</td>
<td>In this case, the receiving device that transmits this error code is a proxy or a gateway and has received an invalid response from its gateway via which this query is to be processed.</td>
</tr>
<tr>
<td>0x503</td>
<td>The query cannot currently be processed by the receiving device or the proxy because the server is either overloaded or is being serviced. If it is possible for the query to be repeated in the foreseeable future, the server informs the caller or the phone of this.</td>
</tr>
<tr>
<td>0x504</td>
<td>Time limit at the gateway</td>
</tr>
<tr>
<td>0x505</td>
<td>The server rejects the query because the indicated version number of the SIP protocol does not at least concur with the version that is used by server or the SIP device involved in this query.</td>
</tr>
<tr>
<td>0x515</td>
<td>The server rejects the query because the message exceeds the maximum permitted size.</td>
</tr>
<tr>
<td>0x600</td>
<td>The called party is busy.</td>
</tr>
<tr>
<td>0x603</td>
<td>The called party has rejected the call.</td>
</tr>
<tr>
<td>0x604</td>
<td>The called URI does not exist.</td>
</tr>
<tr>
<td>0x606</td>
<td>The communication settings are not acceptable.</td>
</tr>
<tr>
<td>0x701</td>
<td>The called party has hung up.</td>
</tr>
<tr>
<td>0x703</td>
<td>Connection interrupted because of time-out.</td>
</tr>
<tr>
<td>0x704</td>
<td>Connection interrupted because of a SIP error.</td>
</tr>
<tr>
<td>0x705</td>
<td>Wrong dialling tone</td>
</tr>
<tr>
<td>0x706</td>
<td>No connection established</td>
</tr>
</tbody>
</table>
Appendix

### Checking service information

You may need the service information of your phone (base station and handset) for Customer Services.

### Base station service information

**Precondition:** You are conducting an external call. The connection has been established for at least 8 sec.

**Options** → Service Info

Confirm selection with **OK**.

The following information is displayed:

1: Serial number of the base station (RFPI)

2: Serial number of your handset (IPUI)

3: Informs the service employees of the base station settings (in hex diagram), e.g. the number of registered handsets, repeater mode. The last 4 digits indicate the number of operating hours (hexadecimal).

4: Variant, version of the firmware (digits 3 to 5).

5: Gigaset.net number of your phone.

With this number you can call a service employee over the Internet without needing to be registered with a VoIP provider. This means that the employee can test online connections and VoIP telephony irrespective of the VoIP provider.

### Service information of the handset

In the handset idle status:

Open the menu by pressing **Exit**

→ Press the following keys one after the other: *#QL#

The following information, among other details, is displayed on the handset:

1: Serial number (IPUI)

2: Number of operating hours

3: Variant, version of handset software

---

<table>
<thead>
<tr>
<th>Status code</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>0x751</td>
<td>Busy tone: No codec match between the calling and called party.</td>
</tr>
<tr>
<td>0x810</td>
<td>General socket layer error: User is not authorised.</td>
</tr>
<tr>
<td>0x811</td>
<td>General socket layer error: Wrong socket number</td>
</tr>
<tr>
<td>0x812</td>
<td>General socket layer error: Socket is not connected.</td>
</tr>
<tr>
<td>0x813</td>
<td>General socket layer error: Memory error</td>
</tr>
<tr>
<td>0x814</td>
<td>General socket layer error: Socket not available – check IP settings/connection problem/VoIP setting incorrect.</td>
</tr>
<tr>
<td>0x815</td>
<td>General socket layer error: Illegal application on the socket interface.</td>
</tr>
</tbody>
</table>
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 appendix of this user guide.

For personal advice on our range of products and assistance with repairs or guarantee/warranty claims you can contact us on:

UK helpdesk: 0 84 53 67 08 12.

Please have your proof of purchase ready when calling with regard to guarantee/warranty claims.

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

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:

Bluetooth ® Qualified Design Identity

The Bluetooth QD ID for your Gigaset S68H is: B012741.
Appendix

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.

♦ This Guarantee shall not apply to or extend to services performed by the authorised dealer or the customer themselves (e.g. installation, configuration, software downloads). User guides and any software supplied on a separate data medium shall be excluded from the Guarantee.

♦ The purchase receipt, together with the date of purchase, shall be required as evidence for invoking the Guarantee. Claims under the Guarantee must be submitted within two months of the Guarantee default becoming evident.

♦ Ownership of devices or components replaced by and returned to Siemens shall vest in Siemens.

♦ This Guarantee shall apply to new devices purchased in the European Union. For Products sold in the United Kingdom the Guarantee is issued by: Siemens Home and Office Communication Devices GmbH & Co. KG, Schlavenhorst 66, D-46395 Bocholt, Germany.

♦ Any other claims resulting out of or in connection with the device shall be excluded from this Guarantee. Nothing in this Guarantee shall attempt to limit or exclude a Customers Statutory Rights, nor the manufacturer’s liability for death or personal injury resulting from its negligence.

♦ The duration of the Guarantee shall not be extended by services rendered under the terms of the Guarantee.

♦ Insofar as no Guarantee default exists, Siemens reserves the right to charge the customer for replacement or repair.

♦ 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

Technology: Nickel-metal-hydride (NiMH)
Size: AAA (Micro, HR03)
Voltage: 1.2 V
Capacity: 600 – 1200 mAh

We recommend the following battery types, because these are the only ones that guarantee the specified operating times, full functionality and long service life:
- Sanyo NiMH 800
- GP 850 mAh
- Yuasa Technologies AAA 800

The device is supplied with two recommended batteries.

Handset operating times/charging times

The operating time of your Gigaset depends on the capacity and age of the batteries and the way they are used. (All times are maximum possible times and apply when the display backlight is switched off).

<table>
<thead>
<tr>
<th>Capacity (mAh)</th>
<th>600</th>
<th>800</th>
<th>1000</th>
<th>1200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standby time (hours)</td>
<td>130</td>
<td>175</td>
<td>220</td>
<td>265</td>
</tr>
<tr>
<td>Talktime (hours)</td>
<td>7</td>
<td>10</td>
<td>12</td>
<td>14</td>
</tr>
<tr>
<td>Operating time for 1.5 hrs of calls per day (hours)</td>
<td>70</td>
<td>90</td>
<td>115</td>
<td>135</td>
</tr>
<tr>
<td>Charging time, base station (hours)</td>
<td>6</td>
<td>9</td>
<td>11</td>
<td>13</td>
</tr>
<tr>
<td>Charging time, charging cradle (hours)</td>
<td>5</td>
<td>7</td>
<td>8</td>
<td>10</td>
</tr>
</tbody>
</table>

At the time of going to print, batteries up to 900 mAh were available and had been tested in the system. Due to the constant progression in battery development, the list of recommended batteries in the FAQ section of the Gigaset Customer Care pages is regularly updated:
www.siemens.com/gigasetcustomercare

Base station power consumption

The power consumption for the base station is approx. 1.3 watt.

General specifications

<table>
<thead>
<tr>
<th>Interfaces</th>
<th>Fixed line network, Ethernet</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of channels</td>
<td>60 duplex channels</td>
</tr>
<tr>
<td>Radio frequency range</td>
<td>1880 – 1900 MHz</td>
</tr>
<tr>
<td>Duplex method</td>
<td>Time multiplex, 10 ms frame length</td>
</tr>
<tr>
<td>Channel grid</td>
<td>1728 kHz</td>
</tr>
<tr>
<td>Bit rate</td>
<td>1152 kbit/s</td>
</tr>
<tr>
<td>Modulation</td>
<td>GFSK</td>
</tr>
<tr>
<td>Language code</td>
<td>32 kbit/s</td>
</tr>
<tr>
<td>Transmission power</td>
<td>10 mW, average power per channel</td>
</tr>
<tr>
<td>Range</td>
<td>up to 300 m outdoors, up to 50 m indoors</td>
</tr>
<tr>
<td>Base station power supply</td>
<td>230 V ~/50 Hz</td>
</tr>
<tr>
<td>Environmental conditions in operation</td>
<td>+5°C to +45°C, 20% to 75% relative humidity</td>
</tr>
<tr>
<td>Codecs</td>
<td>G.711, G.726, G.729AB with VAD/CNG, G.722</td>
</tr>
<tr>
<td>Quality of Service</td>
<td>TOS, DiffServ</td>
</tr>
<tr>
<td>Protocols</td>
<td>DECT, GAP, SIP, RTP, DHCP, NAT Traversal (STUN), HTTP</td>
</tr>
</tbody>
</table>
Appendix

Icons

This section explains the meaning of certain icons and typographical conventions that are used in this user guide.

Copy Entry / Copy List (example)
Select one of the two specified menu functions.

Enter digits or letters.
The display keys' current functions are shown reverse highlighted in the bottom display line. Press the display key below to launch the function.

Press the control key at the top or bottom: scroll up or down.

Press the control key on the right or left: e.g. select setting.

Press the matching key on the handset.

Example of a menu input

The steps you need to perform are shown in abbreviated form in the user guide. This is illustrated below using the example of "Setting the contrast for the display". The things you have to do are explained in the boxes.

Display

With the handset in idle status, press on the right of the control key to open the main menu.

Use the control key to select the icon (Settings) – to do this, press up, down, right and left on the control key until the icon has been selected.

Press the display key OK to confirm the selection.

The Settings submenu is displayed.

Press up or down on the control key repeatedly until the Display menu function is selected.

Press the display key OK to confirm the selection.

Contrast Select and press OK.

Press down on the control key repeatedly until the Contrast menu function is selected.

Press the display key OK or on the right of the control key to confirm your selection.

Select contrast.

Press on the right or left of the control key to set the contrast.

Press the display key Save or on the right of the control key to save the setting.

Press and hold (idle status).

Press and hold the end call key until the handset returns to idle status.
Example of multiple line input

In many situations you can change settings or enter data in several lines of a display.

In this user guide, icons are used to guide you step by step through multiple line input. This is illustrated below using the example of "Setting the date and time". The things you have to do are explained in the boxes.

To change the time, open the input field with:

Date/Time

You will see the following in the display (example):

Date/Time
Date: [15.01.2008]
Time: 11:11

The second line is marked with [ ] to show it is active.

Enter the date using the digit keys.

Time:
Enter hours/minutes in 4-digit format.

Press the [ ] key.
The fourth line is marked with [ ] to show it is active.
Enter the date using the digit keys.

Save the changes.

Press the display key Save.
Then press and hold the [ ] key. The handset switches to idle status.

Or:
Press the display key Options.
Select Save and then press the display key OK.
Then press and hold the [ ] key. The handset switches to idle status.

Writing and editing text

The following rules apply when writing text:

Control the cursor with [ ] [ ] [ ] [ ] .
Characters are inserted to the left of the cursor.
Press the star key * to display the table of special characters (see below "Entering special characters").
The first letter of the name of directory entries is automatically capitalised, followed by lower case letters.

Entering special characters

Press the star key * .
A table is opened containing all the special characters. The cursor is positioned on the character ";" (full stop).

Navigate to the required character with the control key [ ] [ ] . Example: to select * press 4 x [ ] and 1 x [ ] .
Press the display key Insert. The character is inserted into the text. Pressing [ ] again closes the table without inserting a character.
Appendix

Writing a text/name (without predictive text)

Press the relevant key several times to enter letters/characters.

Standard characters

<table>
<thead>
<tr>
<th>1x</th>
<th>2x</th>
<th>3x</th>
<th>4x</th>
<th>5x</th>
<th>6x</th>
<th>7x</th>
<th>8x</th>
<th>9x</th>
<th>10x</th>
</tr>
</thead>
<tbody>
<tr>
<td>![1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10]</td>
</tr>
<tr>
<td>1</td>
<td>a</td>
<td>b</td>
<td>c</td>
<td>2</td>
<td>å</td>
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</tr>
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<td>2</td>
<td>d</td>
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<td>f</td>
<td>3</td>
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<td>h</td>
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<td>í</td>
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<td>4</td>
<td>j</td>
<td>k</td>
<td>l</td>
<td>5</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>m</td>
<td>n</td>
<td>o</td>
<td>6</td>
<td>ö</td>
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<tr>
<td>6</td>
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<td>q</td>
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<td>s</td>
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<td></td>
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<td>v</td>
<td>8</td>
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<td>ü</td>
<td>ü</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>w</td>
<td>x</td>
<td>y</td>
<td>z</td>
<td>9</td>
<td>ÿ</td>
<td>ÿ</td>
<td>æ</td>
<td>ø</td>
</tr>
</tbody>
</table>

1) Space
2) Line break

When you press and hold a key, the characters of the corresponding key are displayed in the bottom display line and marked one after another. When you release the key the highlighted character is inserted into the input field.

Setting upper/lower case or digits

Press and hold the hash key [#] before entering the character to switch from "Abc" mode to "123", from "123" to "abc" and from "abc" to "Abc" (upper case: 1st letter upper case, all others lower case).

The display shows whether upper case, lower case or digits is selected. The bottom right of the display (above the right display key) shows "Abc", "abc" or "123".

Writing a text/name (with predictive text)

The EATONI predictive text function helps you when you are writing messenger messages and SMS.

Each key between [0-9] is assigned several letters and characters (see special characters, page 147). These appear in a selection line immediately under the text panel (over the display keys) as soon as you press a key. The letter you are most likely looking for is shown in reversed highlights and is at the beginning of the selection line. It is copied into the text panel.

1) SMS text
2) Selection line
3) EATONI is activated
4) Upper/lower case or digits

If this letter is the one you want, confirm it by pressing the next key. If it does not match the one you want, press the hash key [#] briefly until the letter you are looking for is reverse highlighted in the display line and then transferred to the text field.

If you press and hold the hash key [#] you switch from "Abc" mode to "123" and from "123" to "abc" and from "abc" to "Abc".
Deactivating/activating predictive text

You are writing an SMS (page 54) or a Messenger message (page 76).

Options / ⌘
Press the display key.

Predictive Text
Select and press OK (✓ = on).
Press the end call key briefly to return to the text field.
Enter the text.

Setting input language

You are writing an SMS (page 54) or a Messenger message (page 76).

Options / ⌘
Press the display key.

Select Language
Select and press OK.
Select input language and press OK.
Press the end call key briefly twice to return to the input field.

The input language setting only applies to the current message/SMS.

Order of directory entries

Directory entries are generally sorted alphabetically by surname. Spaces and digits take first priority. If only the first name was entered in the directory, this is incorporated into the sort order instead of the surname.

The sort order is as follows:
1. Space
2. Digits (0–9)
3. Letters (alphabetical)
4. Other characters

To get round the alphabetical order of the entries, insert a space or a digit in front of the first letter of the surname. These entries will then move to the beginning of the directory. Names that you have prefixed with a star will move to the end of the directory.

Additional functions via the PC interface

You can connect your Gigaset S68H handset to your computer using Bluetooth (page 93). The computer must be equipped with a suitable dongle.

Your handset can communicate with the computer using the Gigaset QuickSync program (free download at www.siemens.com/gigasetS670).

You can

◆ access your handset’s directory and synchronise it with Outlook, or copy contact details to the handset,
◆ download CLIP pictures (.bmp) from the computer to the handset,
◆ download pictures (.bmp) for the screensaver from the computer to the handset.

During the transfer of data between handset and PC, you will see Data transfer in progress on the display. During this time the keypad is disabled, and incoming calls will be ignored.
Appendix

Gigaset S685/S675 IP –
free software

Your Gigaset S685/S675 IP's firmware includes free software that is licensed under the GNU Lesser General Public License. This free software was developed by a third party and is protected by copyright. You will find the licence text in its original English version on the pages that follow.

The software is provided free of charge. You are authorised to use this free software in accordance with the above-mentioned licence conditions. In the event of contradictions between these licence conditions and the licence conditions that apply for the software according to Siemens Home and Office Communication Devices GmbH & Co. KG, the above-mentioned licence conditions shall take precedence for the free software.

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  http://www.gnu.org/copyleft/lesser.html
- The source text, including copyright notices for free software, is currently available on the Internet at:
  http://www.siemens.com/gigaset/developer

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

www.siemens.com/gigasetcustomercare

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: 0049 2871 / 91 30 29

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To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the
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free library to free software only, so we use the Lesser General Public License.
In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library. The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included within "modification".) "Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:
   a) The modified work must itself be a software library.
   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful. (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and sepa-
rate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library. In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy. so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License.

Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not.

Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for
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the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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Gigaset handsets
Upgrade your Gigaset to a cordless PABX:

**Gigaset S67H or S68H handset**
- HDSP ready
- Illuminated graphical colour display (65k colours)
- Illuminated keypad
- Handsfree talking
- Polyphonic ringer tones
- Directory for around 250 entries
- Picture CLIP
- SMS (precondition: CLIP must be enabled)
- Headset socket
- Bluetooth (Gigaset S68H only)
- Room monitor
  
  www.siemens.com/gigasetS67H
  
  www.siemens.com/gigasetS68H

**Gigaset SL37H handset**
- HDSP ready
- Illuminated graphical colour display (65k colours)
- Illuminated keypad
- Handsfree talking
- Polyphonic ringer tones
- Directory for around 250 entries
- Picture CLIP
- SMS (precondition: CLIP must be enabled)
- PC interface e.g. for managing directory entries, ringer tones and screensavers
- Headset socket
- Bluetooth
- Room monitor
- Walky-talky function
  
  www.siemens.com/gigasetSL37H
Accessories

**Gigaset S45 handset**
- Illuminated colour display (4096 colours)
- Illuminated keypad
- Handsfree talking
- Polyphonic ringer tones
- Directory for around 150 entries
- SMS (precondition: CLIP must be enabled)
- Headset socket
- Room monitor

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

**Gigaset C47H handset**
- Illuminated graphical colour display (65k colours)
- Illuminated keypad
- Handsfree talking
- Polyphonic ringer tones
- Directory for around 150 entries
- SMS (precondition: CLIP must be enabled)
- Headset socket
- Room monitor


**Gigaset repeater**

The Gigaset repeater can be used to increase the reception range of your Gigaset handset to the base station.

[www.siemens.com/gigasetrepeater](http://www.siemens.com/gigasetrepeater)
**Gigaset HC450 – door intercom for cordless phones**

- Use the intercom from your cordless phone – no need for a fixed home phone
- Intuitive user functions using the display keys (open door, switch on entry light)
- Simple to configure using the handset menu
- Forward to outside phone numbers (intercom feature)
- Simple to install and register with the Gigaset system
- Replaces existing call button – no further cable is needed
- Supports the existing doorbell and standard door opener
- Configuration options for the second ringer key (separate intercom call, activating interior lighting, or function such as first ringer key)

[www.siemens.com/GigasetHC450](http://www.siemens.com/GigasetHC450)

All accessories are available from your mobile phone retailer.

Only use original accessories. This will avoid possible health risks and damage to property, and also ensure that all the relevant regulations are complied with.
Glossary

A

ADSL
Asymmetric Digital Subscriber Line
  Special form of DSL.

ALG
Application Layer Gateway
  NAT control mechanism of a router.
  Many routers with integrated NAT use
  ALG. ALG lets the data packets in a VoIP
  connection pass and adds the public IP
  address of the secure private network.
  The router's ALG should be deactivated
  if the VoIP provider offers a STUN server
  or an outbound proxy.
  See also: Firewall, NAT, Outbound
  proxy, STUN.

Authentication
  Restriction of access to a network/service
  by use of an ID and password to log in.

Automatic ringback
  See Ringback when the number is
  busy.

B

Block dialling
  Enter the complete phone number, and
  correct it if necessary. Then pick up the
  receiver or press the handsfree key to
dial the phone number.

Broadband Internet access
  See DSL.

Buddy
  Party with whom you exchange brief
  messages on the Internet in real time
  (chatting).
  See also: Instant messaging.

C

Call forwarding
  CF
    Automatic forwarding of a call to a dif-
    ferent telephone number. There are
    three kinds of call forwarding:
    – CFU, Call Forwarding Unconditional
    – CFB, Call Forwarding Busy
    – CFNR, Call Forwarding No Reply

Call waiting
  CW
    VoIP provider feature. A beep during a
    call indicates that another caller is wait-
    ing. You can accept or reject the second
    call. You can activate/deactivate the
    feature.

Chatting
  Form of communication on the Inter-
  net. During a chat, brief messages are
  exchanged between the communicat-
  ing parties in real time. Chatting in this
  sense is understood to be a written
  form of communication.

Client
  Application that requests a service
  from a server.

Codec
  Coder/decoder
    Codec is a procedure that digitises and
    compresses analogue voice before it is
    sent via the Internet and decodes – i.e.
    translates into analogue voice – digital
    data when voice packets are received.
    There are different codecs, with differ-
    ing degrees of compression, for
    instance.
    Both parties involved in the telephone
    connection (caller/sender and recipi-
    ent) must use the same codec. This is
    negotiated between the sender and the
    recipient when establishing a connec-
    tion.
The choice of codec is a compromise between voice quality, transmission speed and the necessary bandwidth. A high level of compression, for example, means that the bandwidth required for each voice connection is low. However, it also means that the time needed to compress/decompress the data is greater, which increases execution time for data in the network and thus impairs voice quality. The time required increases the delay between the sender speaking and the recipient hearing what has been said.

**COLP / COLR**
Connected Line Identification Presentation/Restriction
Service characteristic of a VoIP connection for outgoing calls. COLP displays the phone number accepting the call on the calling party's display unit.
The number of the party accepting the call is different to the dialled number, e.g. if the call is forwarded or transferred.
The called party can use COLR (Connected Line Identification Restriction) to prevent the number from appearing on the calling party's display.

**Consultation call**
You are on a call. With a consultation call, you interrupt the conversation briefly to establish a connection to another participant. If you terminate the connection to this participant immediately, then this was then this was a consultation call. If you switch to and fro between the first and second participants, it is called **Toggling**.

**D**

**DHCP**
Dynamic Host Configuration Protocol
Internet protocol that handles the automatic assignment of IP addresses to Network subscribers. The protocol is made available in the network by a server. A DHCP server can be a router for example.
The phone contains a DHCP client. A router that contains a DHCP server can assign the IP addresses for the phone automatically from a defined address block. The dynamic assignment means that several Network subscribers can share one IP address, although they use it alternately and not simultaneously. With some routers you can specify that the IP address for the phone is never changed.

**Displayed name**
VoIP provider feature. You can specify any name that is to be shown to the other party during a call instead of your phone number.

**DMZ (Demilitarised Zone)**
DMZ describes a part of a network that is outside the firewall.
A DMZ is set up, as it were, between a network you want to protect (e.g. a LAN) and a non-secure network (e.g. the Internet). A DMZ permits unrestricted access from the Internet to only one or a few network components, while the other network components remain secure behind the firewall.
Glossary

DNS
Domain Name System
Hierarchical system that permits the assignment of IP addresses to Domain names that are easier to note. This assignment has to be managed by a local DNS server in each (W)LAN. The local DNS server determines the IP address, if necessary by enquiring about superordinate DNS servers and other local DNS servers on the Internet. You can specify the IP address of the primary/secondary DNS server.
See also: DynDNS.

Domain name
Name of one (of several) Web server(s) on the Internet (e.g. Siemens Home). The domain name is assigned to the relevant IP address by DNS.

DSCP
Differentiated Service Code Point
See Quality of Service (QoS).

DSL
Digital Subscriber Line
Data transfer technology that allows Internet access with, for e.g. 1.5 Mbps over a conventional telephone line.
Preconditions: DSL modem and the appropriate service offered by the Internet provider.

DSLAM
Digital Subscriber Line Access Multiplexer
The DSLAM is a switch cabinet in an exchange at which all subscriber connectors converge.

DTMF
Dual Tone Multi-Frequency
Another description for dual tone multi-frequency dialling.

Dynamic IP address
A dynamic IP address is assigned to a network component automatically via DHCP. The dynamic IP address for a network component can change every time it registers or at certain time intervals.
See also: Static IP address

DynDNS
Dynamic DNS
Domain names and IP addresses are realised via DNS. For Dynamic IP addresses this service is now enhanced with "Dynamic DNS" (DynDNS). This permits the use of a network component with a dynamic IP address as a Server on the Internet. DynDNS ensures that a service can always be addressed on the Internet under the same Domain name irrespective of the current IP address.

E
ECT
Explicit Call Transfer
Participant A calls participant B. He puts the connection on hold and calls participant C. Rather than connect everyone in a three-party conference, A now transfers participant B to C and hangs up.

EEPROM
Electrically Erasable Programmable Read Only Memory
Memory building block in your phone with fixed data (e.g. default and customised settings) and data saved automatically (e.g. entries to the list of callers).

Ethernet network
Wired LAN.
F

Firewall
You can use a firewall to protect your network against unauthorised external access. This involves combining various measures and technologies (hardware or software) to control the flow of data between a private network you wish to protect and an unprotected network (e.g. the Internet).
See also: NAT.

Firmware
Device software in which basic information is saved for the functioning of a device. A new version of the firmware can be loaded into the device’s memory (firmware update) to correct errors or update the device software.

Flat rate
Billing system for an Internet connection. The Internet provider charges a set monthly fee. There are no additional charges for the duration of the connection or number of connections.

Fragmentation
Data packets that are too big are split into smaller packets (fragments) before they are transferred. They are put together again when they reach the recipient (defragmented).

Full duplex
Data transmission mode in which data can be sent and received at the same time.

G

G.711 a law, G.711 µ law
Standard for a Codec.
G.711 delivers a very good voice quality that corresponds to that in the ISDN fixed line. As there is little compression, the necessary bandwidth is around 64 kbit/s per voice connection, but the delay caused by coding/decoding is only 0.125 ms.
"a law" describes the European standard and "µ law" describes the North American/Japanese equivalent.

G.722
Standard for a Codec.
G.722 is a broadband language codec with a bandwidth of 50 Hz to 7 kHz, a net transfer rate of 64 kbit/s per language connection and integrated speech pause recognition and comfort noise generation (silence suppression).
G.722 delivers very good voice quality. A higher sampling rate provides clearer and better voice quality than other codecs and enables a speech tone in High Definition Sound Performance (HDSP).

G.726
Standard for a Codec.
G.726 delivers a good voice quality. It is inferior to the quality with codec G.711 but better than with G.729.

G.729A/B
Standard for a Codec.
The voice quality is rather lower with G.729A/B. As a result of the high level of compression, the necessary bandwidth is only around 8 kbit/s per voice connection, but the delay is around 15 ms.
Glossary

Gateway
Connects two different Networks, e.g. a router as an Internet gateway. For phone calls from VoIP to the telephone network, a gateway has to be connected to the IP network and the telephone network (gateway/VoIP provider). It forwards calls from VoIP to the telephone network as required.

Gateway provider
See SIP provider.

Global IP address
See IP address.

GSM
Global System for Mobile Communication
Originally, European standard for mobile networks. GSM can now be described as a worldwide standard. In the USA and Japan national standards are now more frequently supported than in the past.

H

Headset
Combination of microphone and headphones. A headset makes handsfree talking more convenient. There are headsets available that are connected to the handset by a cable.

HTTP proxy
Server via which the Network subscribers can process their Internet traffic.

Hub
Uses one Infrastructure network to connect several Network subscribers. All data sent to the hub by one network subscriber is forwarded to all network subscribers.
See also: Gateway, Router.

IEEE
Institute of Electrical and Electronics Engineers
International body that defines standards in electronics and electrotechnology, concerned in particular with the standardisation of LAN technology, transmission protocols, data transfer rate and wiring.

Infrastructure network
Network with central structure: all Network subscribers communicate via a central Router.

Instant messaging
Service that uses a client program to allow chatting in real time, i.e. to send brief messages to other subscribers on the Internet.

Internet
Global WAN. A series of protocols have been defined for exchanging data, known by the name TCP/IP. All Network subscribers are identifiable via their IP address. DNS assigns a Domain name to the IP address. Important services on the Internet include the World Wide Web (WWW), e-mail, file transfer and discussion forums.

Internet Service Provider
Enables access to the Internet for a fee.

IP (Internet Protocol)
TCP/IP protocol on the Internet. IP is responsible for addressing subscribers in a Network using IP addresses and routes data from the sender to the recipient. IP determines the paths (routing) along which the data packets travel.
IP address
A unique address for a network component within a network based on the TCP/IP protocols (e.g. LAN, Internet). On the Internet, domain names are usually assigned instead of IP addresses. DNS assigns the corresponding IP address to the domain name.
The IP address has four parts (decimal numbers between 0 and 255) separated by full stops (e.g. 230.94.233.2). The IP address is made up of the network number and the number of the **Network subscribers** (e.g. phone). Depending on the Subnet mask, the front one, two or three parts make up the network number and the rest of the IP address addresses the network component. The network number of all the components in any one network must be identical.
IP addresses can be assigned automatically with DHCP (dynamic IP addresses) or manually (static IP addresses).
See also: DHCP.

**IP pool range**
Range of IP addresses that the DHCP server can use to assign dynamic IP addresses.

**L**

**LAN**
Local Area Network
Network with a restricted physical range. A LAN can be wireless (WLAN) and/or wired.

**Local IP address**
The local or private IP address is the address for a network component in the local network (LAN). The network operator can assign any address he or she wants. Devices that act as a link from a local network to the Internet (gateway or router) have a public and a private IP address.
See also **IP address**.

**Local SIP Port**
See **SIP port/Local SIP port**.

**M**

**MAC address**
Media Access Control Address
Hardware address by means of which each network device (e.g. network card, switch, phone) can be uniquely identified worldwide. It consists of 6 parts (hexadecimal numbers) separated by a "-" (e.g. 00-90-65-44-00-3A). The MAC address is assigned by the manufacturer and cannot be changed.

**Mbps**
Million bits per second
Unit of the transmission speed in a network.

**MRU**
Maximum Receive Unit
Defines the maximum user data volume within a data packet.

**MTU**
Maximum Transmission Unit
Defines the maximum length of a data packet that can be carried over the network at a time.

**Music on hold**
Music on hold
Music that is played while you are on a Consultation call or Toggling. The waiting participant hears music while on hold.

**N**

**NAT**
Network Address Translation
Method for converting (private) **IP addresses** to one or more (public) IP addresses. NAT enables the IP addresses of **Network subscribers** (e.g. VoIP telephones) in a LAN to be concealed behind a shared IP address for the **Router** on the **Internet**. VoIP telephones behind a NAT router cannot be reached by VoIP servers (on account of the private IP address). In order to "get around" NAT, it is possible
Glossary

to use (alternatively) ALG in the router, STUN in the VoIP telephone, or for the VoIP provider to use an Outbound proxy.
If an outbound proxy is made available you must allow for this in the VoIP settings for your phone.

Network
Group of devices. Devices can be connected in either wired or wireless mode.
Networks can also differ in range and structure:
– Range: local networks (LAN) or wide-area networks (WAN)
– Structure: Infrastructure network or ad-hoc network

Network subscribers
Devices and computers that are connected to each other in a network, e.g. servers, PCs and phones.

O
Outbound proxy
Alternative NAT control mechanism to STUN and ALG.
Outbound proxies are implemented by the VoIP provider in firewall/NAT environments as an alternative to SIP proxy server. They control data traffic through the firewall.
Outbound proxy and STUN servers should not be used simultaneously.
See also: STUN and NAT.

P
Paging (handset search)
A base station function to locate registered handsets. The base station establishes a connection to every registered handset. The handsets start to ring.
Paging is activated by briefly pressing the button on the base station and is deactivated by briefly pressing the same button again.

PIN
Personal Identification Number
Protects against unauthorised use.
When the PIN is activated a number combination has to be entered in order to access a protected area.
You can protect your base station configuration data with a system PIN (4-digit number combination).

Port
Data is exchanged between two applications in a Network via a port.

Port forwarding
The Internet gateway (e.g. your router) forwards data packets from the Internet that are directed to a certain Port to the port concerned. This allows servers in the LAN to offer services on the Internet without you needing a public IP address.

Port number
Indicates a specific application of Network subscribers. Depending on the setting in the LAN, the port number is permanently assigned or else it is newly assigned with each access.
The combination of IP address/Port number uniquely identifies the recipient or sender of a data packet within a network.

Pre-dialling
See Block dialling.

Private IP address
See Public IP address.

Protocol
Describes the agreements for communicating within a Network. It contains rules for opening, administering and closing a connection, about data formats, time frames and possible error handling.
Proxy/Proxy server
Computer program that controls the exchange of data between Client and Server in computer networks. If the phone sends a query to the VoIP server, the proxy acts as a server towards the phone and as a client towards the server. A proxy is addressed via IP address/Domain names and Port.

Public IP address
The public IP address is the address for a network component on the Internet. It is assigned by the Internet Service Provider. Devices that act as a link from a local network to the Internet (gateway, router) have a public and a local IP address.

See also: IP address, NAT

Q
Quality of Service (QoS)
Describes the Quality of Service in communication networks. Differentiations are made between various Quality of Service classes.

QoS influences the flow of data packets on the Internet, e.g. by prioritising data packets, reserving bandwidth and data packet optimisation.

In VoIP networks, QoS influences the voice quality. If the whole infrastructure (router, network server etc.) has QoS, the voice quality is better, i.e. fewer delays, less echoing, less crackling.

R
RAM
Random Access Memory
Memory in which you have reading and storage rights. Items such as melodies and screen pictures are saved in the RAM after you have loaded them onto the phone via the Web configurator.

Registrar
The registrar manages the Network subscribers’ current IP addresses. When you register with your VoIP provider, your current IP address is saved on the registrar. This means you can also be reached when on the move.

Ringback when the call is not answered
= CCNR (Completion of Calls on No Reply). If a called party does not respond when called, a caller can arrange an automatic ringback. As soon as the destination phone has completed a call and is free again the caller is rung back. This feature must be supported by the exchange. The ringback request is automatically cancelled after about 2 hours (depending on the VoIP provider).

Ringback when the number is busy
= CCBS (Completion of Calls to Busy Subscriber). If a caller hears the busy tone, he or she can activate the ringback function. As soon as the connection is free the caller is rung back. As soon as the caller lifts his receiver the connection is made automatically.

ROM
Read Only Memory
A type of memory that can only be read, as opposed to RAM which can be both read and written.

Router
Routes data packets within a network and between different networks via the quickest route. Can connect Ethernet networks and WLAN. Can be a Gateway to the Internet.
Glossary

Routing
Routing is the transfer of data packets to another subscriber in your network. On their way to the recipient, the data packets are sent from one router to the next until they reach their destination. If data packets were not forwarded in this way, a network like the Internet would not be possible. Routing connects the individual networks to this global system. A router is a part of this system; it transfers data packets both within a local network and from one network to the next. Transfer of data from one network to another is performed on the basis of a common protocol.

RTP
Realtime Transport Protocol
Global standard for transferring audio and video data. Often used in conjunction with UDP. In this case, RTP packets are embedded in UDP packets.

RTP port
(Local) Port that is used to send and receive voice data packets for VoIP.

S
Server
Provides a service to other Network subscribers (Clients). The term can indicate a computer/PC or an application. A server is addressed via IP address/Domain name and Port.

SIP (Session Initiation Protocol)
Signalling protocol independent of voice communication. Used for establishing and ending a call. It is also possible to define parameters for voice transmission.

SIP address
See URI.

SIP port/Local SIP port
(Local) Port which is used to send and receive SIP signalling data for VoIP.

SIP provider
See VoIP provider.

SIP proxy server
IP address of your VoIP provider’s gateway server.

Static IP address
A static IP address is assigned to a network component manually during network configuration. Unlike the Dynamic IP address a static (fixed) IP address never changes.

STUN
Simple Transversal of UDP over NAT
NAT control mechanism.
STUN is a data protocol for VoIP telephones. STUN replaces the private IP address in the data packets of the VoIP telephone with the public address of the secure private network. To control data transfer, a STUN server is also required on the Internet. STUN cannot be implemented with symmetric NATs. See also: ALG, Firewall, NAT, Outbound proxy.

Subnet
Segment of a Network.

Subnet mask
IP addresses consist of a fixed line number and a variable subscriber number. The network number is identical for all Network subscribers. The proportion of the IP address made up of the network number is determined in the subnet mask. In the subnet mask 255.255.255.0, for e.g., the first three parts of the IP address are the network number and the last part the subscriber number.

Symmetric NAT
A symmetric NAT assigns different external IP addresses and port numbers to the same internal IP addresses and port numbers — depending on the external target address.
Glossary

T

TCP
Transmission Control Protocol
Transport protocol. Session-based transmission protocol: it sets up, monitors and terminates a connection between sender and recipient for transporting data.

TLS
Transport Layer Security
Protocol for encrypting data transmissions on the Internet. TLS is a superordinated Transport protocol.

Toggling
Toggling allows you to switch between two callers or between a conference call and an individual caller without allowing the waiting caller to screen the call.

Transmission rate
Speed at which data is transmitted in the WAN or LAN. The transfer rate is measured in data units per unit of time (Mbit/s).

Transport protocol
Controls data transport between communication partners (applications).
See also: UDP, TCP, TLS.

U

UDP
User Datagram Protocol
Transport protocol. Unlike TCP, UDP is a non session-based protocol. It does not establish a fixed connection. The data packets (datagrams) are sent as broadcast. The recipient is solely responsible for making sure the data is received. The sender is not notified about whether it is received.

URI
Uniform Resource Identifier
Character sequence for identifying resources (e.g. e-mail recipient, http://siemens.com, files).

On the Internet URIs are used as a uniform identification for resources. URIs are also described as SIP addresses.

URL
Universal Resource Locator
Globally unique address of a domain on the Internet.

A URL is a subtype of URI. URIs identify a resource by its location on the Internet. For historical reasons the term is often used as a synonym for URI.

User identification
User ID
Name/number combination for access, e.g. to your VoIP account.

V

Voice codec
See Codec.

VoIP
Voice over Internet Protocol
Telephone calls are no longer placed and transmitted over the telephone network but over the Internet (or other IP networks).

VoIP provider
A VoIP, SIP or Gateway provider is an Internet service provider that provides a Gateway for Internet telephony. As the phone works with the SIP standard, your provider must support the SIP standard.

The provider routes calls from VoIP to the telephone network (analogue, ISDN and mobile radio) and vice versa.

W

WAN
Wide Area Network
Wide-area network that is unrestricted in terms of area (e.g. Internet).
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Mounting the charging cradle to the wall, connecting the charging cradle

max. 8 mm
max. 4 mm
2x

6.5 mm
Mounting the base station to the wall

Mounting the base station to the wall

75 mm

max. ø 8 mm
max. 3 mm
max. ø 4 mm

13 mm

2x