

SIEMENS

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Gigaset
PC Card 54

Wireless LAN



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Safety precautions

- ◆ Protect the Gigaset PC Card 54 from dampness.
- ◆ The Gigaset PC Card 54 can affect medical equipment. Therefore, take note of the technical conditions in your environment.
- ◆ Make sure you include the operating instructions, when you pass on your Gigaset PC Card 54 to somebody else.
- ◆ Please dispose of the Gigaset PC Card 54 in an environmentally friendly manner.

Notes on safe operation

When you have installed and configured the Gigaset PC Card 54 on your PC, you should perform security settings on the wireless network:

- ◆ change the SSID for all wireless devices on your network
- ◆ use an encryption mechanism (WEP encryption)

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The Gigaset PC Card 54

The Gigaset PC Card 54 (named Gigaset WLAN-Adapter in the following sections) is an IEEE 802.11g wireless LAN PCMCIA card. You can use it to connect your computer to a wireless network and collectively use resources such as files or printers. With this you are no longer dependent on cables to be connected to a network. The Gigaset WLAN-Adapter operates using 2.4 GHz radio transmission. It can transmit data at speeds up to 54 Mbps. Both the Ad-hoc as well as the Infrastructure mode are supported. The 64/128 bit WEP algorithm is used for network security reasons (WEP stands for Wired Equivalent Privacy.). The device also meets the usual standards. Thus it can communicate with all IEEE 802.11g networks and is also backwards compatible with the previous standard IEEE 802.11b.

These operating instructions contain information about installation and configuration of your Gigaset WLAN-Adapter.

Your Gigaset WLAN-Adapter can be used to connect your computer to other computers equipped with wireless network adapters (ad-hoc mode).

You can also connect it to a wireless router, e.g., to the Gigaset SE505 dsl/cable, to have Internet access (infrastructure mode).

Basics about wireless LANs

In this section, a few basics about wireless LANs are covered so you will better understand how the Gigaset WLAN-Adapter operates when establishing a wireless network.

Local Area Network (LAN)

Simply stated, a LAN is a network that only exists in a relatively limited area. A network is two or more computers which are connected together in order to mutually use files as well as peripheral devices, e.g. a printer.

Using the Gigaset WLAN-Adapter you can communicate with other computers without having to route network cable. Thus you can take your computer to another place and still remain connected to the network.

You can use the Gigaset WLAN-Adapter in two different ways. On one hand, you can establish a connection to one or more PCs equipped with wireless network adapters. This is an Ad-hoc network. On the other hand, you can establish a connection to an Access Point, which is used to obtain access to an already existing wired LAN. This forms an Infrastructure wireless network.

Ad-hoc network

In an Ad-hoc network, wireless Peer-to-Peer connections are established between PCs. An Ad-hoc network is spontaneously (ad hoc) established by the participants as needed. A wireless network adapter must be installed on all participating PCs, e.g., a Gigaset PC Card 54 or a Gigaset PCI Card 54. Areas of applications for Ad-hoc networks are anywhere that communication networks should be established quickly and without an existing network infrastructure, and where participants should be mobile.

Infrastructure network

In the Infrastructure network, connections between the network participants are established via an Access Point (or multiple Access Points). The Access Point is used as a base station of the wireless network. It controls the connections between the connected participants and can also establish the connection from mobile stations of a wireless network to a wired LAN (Ethernet) or to the Internet.

Roaming

Multiple Access Points can be installed to expand the coverage range of the wireless network. Participants of the wireless network can move freely between the various Access Points, without losing contact to the network. As soon as the wireless contact threatens to be interrupted, the PC automatically looks for another Access Point offering a stronger signal. All access points and wireless network adapters must have the same SSID. (SSID stands for Service Set ID.) All access points must be connected to a common Ethernet network.

Installing the Gigaset PC Card 54

System requirements

For operation, you will require:

- ◆ a PC with one of the following operating systems:
Windows 98, Windows 98 SE, Windows ME, Windows 2000 or Windows XP
- ◆ 64 MB RAM, more memory is recommended
- ◆ at least 30 MB free hard disk space
- ◆ a free PC card slot (CardBus)
- ◆

Contents

The package contains the following components:

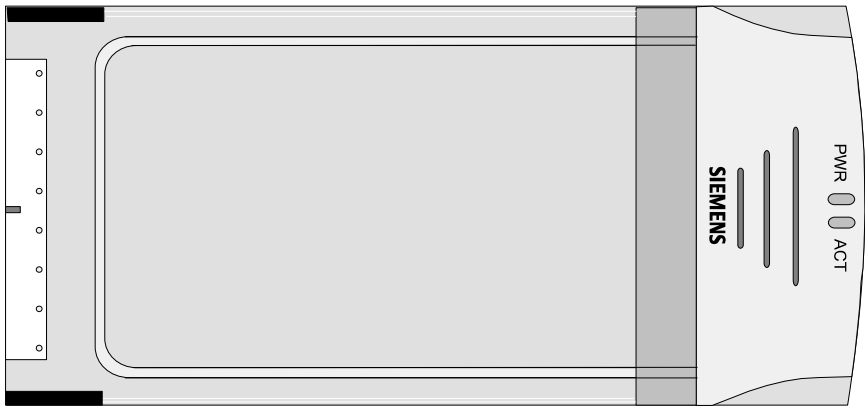
- ◆ the Gigaset WLAN-Adapter
- ◆ an installation CD including these operating instructions and the document "Practical Tips and Configuration Examples"
- ◆ a quick installation guide

Status displays

On the Gigaset WLAN-Adapter there are two green LED displays. They are used to display the:

- ◆ Operating status (PWR)
- ◆ Transmission status (ACT)

The following diagram shows the position of these displays:



The following table explains the meaning of these displays:

LED display	Colour	State	Meaning
PWR	Green	Continuously lit	The Gigaset WLAN-Adapter was installed successfully on your PC and is ready for operation.
ACT	Green	Flashing	Data is being transmitted.

Installation for Windows 98, 98 SE, ME and 2000



First install the software for the Gigaset WLAN-Adapter. Do not connect the Gigaset WLAN-Adapter to your PC until the installation procedure prompts you to do so!

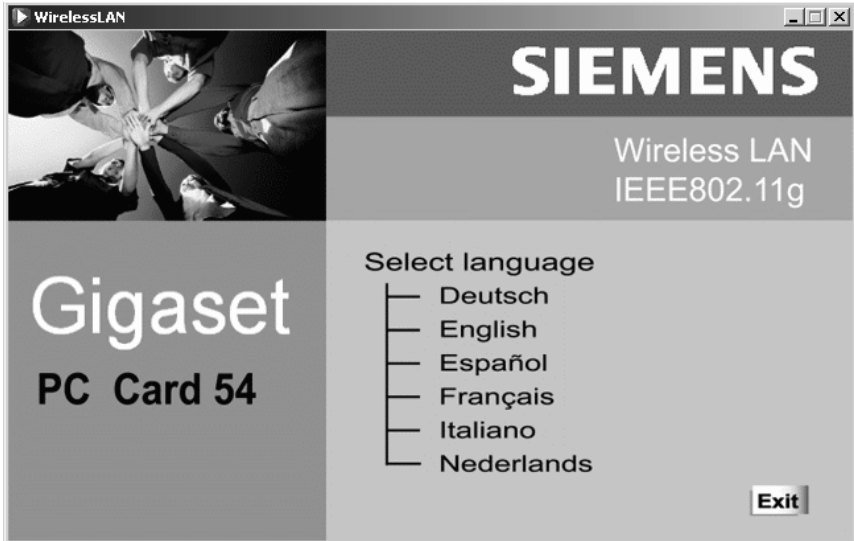
If you insert the Gigaset WLAN-Adapter in your PC before installing the software, Windows will automatically recognise the device and show the dialog box prompting for the appropriate driver. Click on **Cancel** to close the dialog box. Remove the Gigaset WLAN-Adapter from your PC. Then proceed as described below.



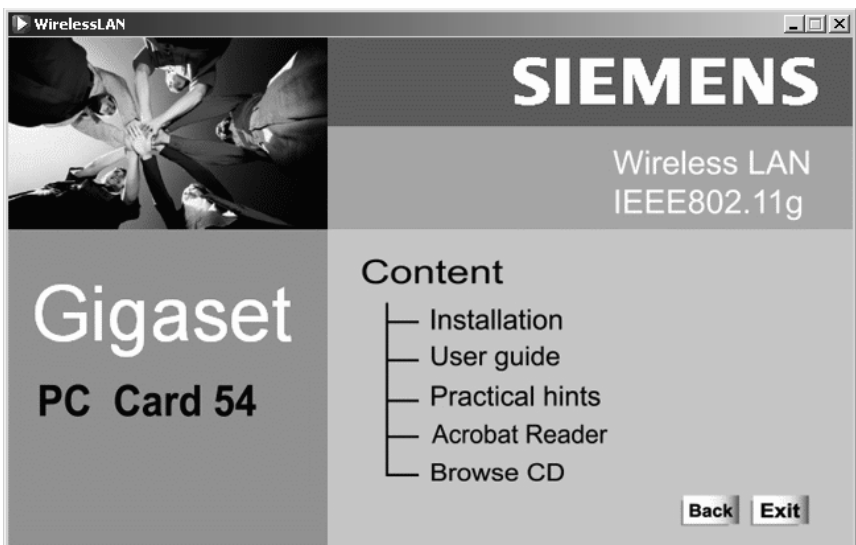
Please note that you may require administrator rights for the installation process.

To connect a Gigaset WLAN-Adapter to your PC, do the following:

1. Close all running Windows programs.
2. Insert the supplied Installation CD in your CD-ROM drive.
The installation program will start automatically. (If installation does not start automatically, run **setup.exe** from the supplied CD.)



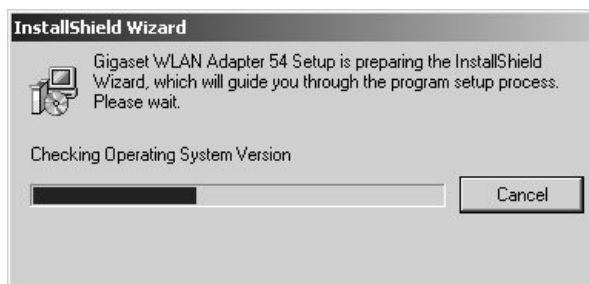
3. Select the appropriate language.



4. Select **Installation**.

Installing the Gigaset PC Card 54

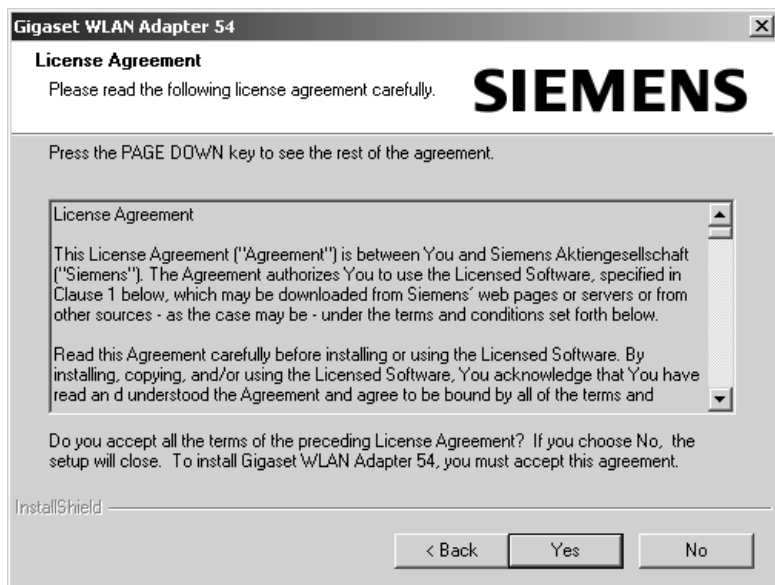
Then the installation is prepared and a corresponding message is displayed:



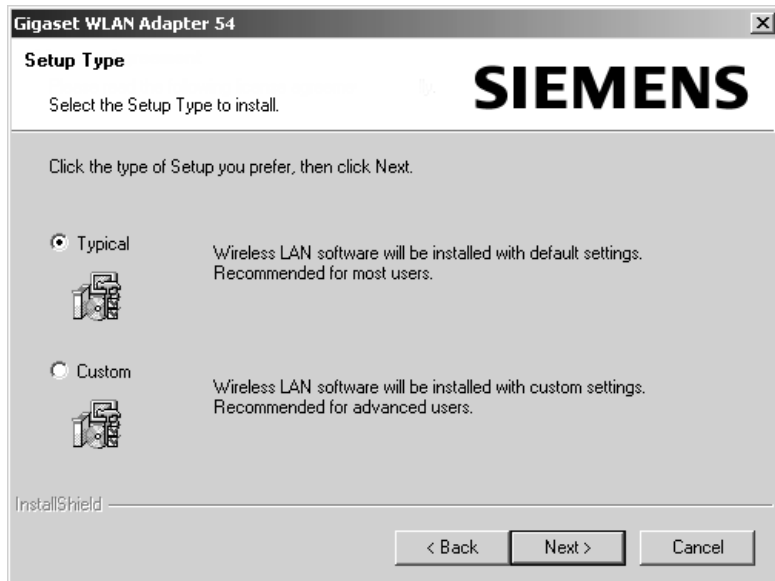
Wait until the Welcome screen is displayed.



5. As soon as the Welcome screen is displayed, click on **Next**.



6. If you accept the licence agreement, click on **Yes**.



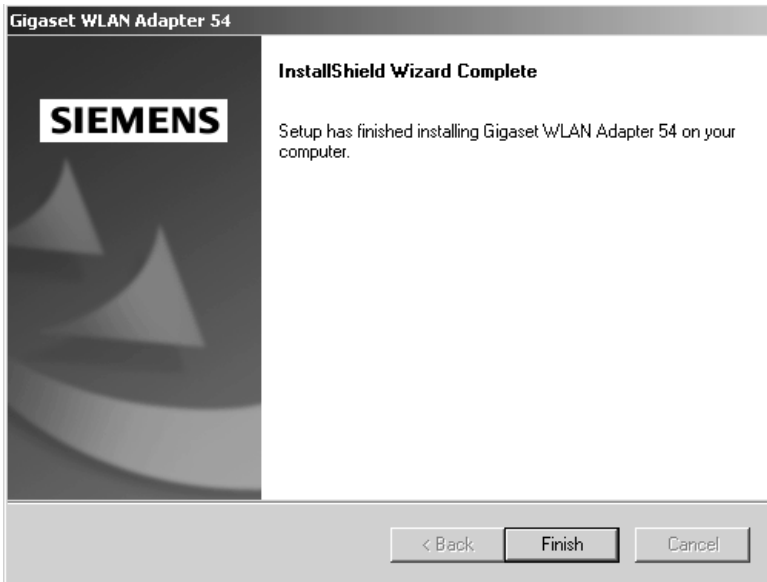
7. Select the option **Typical** and click on **Next**.

Installing the Gigaset PC Card 54

8. When prompted, insert the Gigaset WLAN-Adapter into the PCMCIA slot of your PC.
9. Once Windows recognises the hardware, it will automatically install the driver for your wireless network adapter. This may take a few minutes.

i

- ◆ Under Windows 2000: If the warning **Digital Signature not Found** appears, simply click on **YES**, to cancel it and continue with automatic installation.
- ◆ Under Windows 98 SE/ME: You may be prompted to insert your Windows 98 SE Installation CD to continue driver installation. Therefore you should have this CD handy or enter the path name where the Windows installation files are stored on your PC.
- ◆ Restart your PC if you are prompted to do so.
- ◆ If your PC already contains more recent files, answer the question whether you want to keep them with **Yes**.



10. Once all the drivers have been installed, you will see another dialog box. Click on **Finish**.
11. Close the installation program with **Exit**.

After installation has been successfully completed, you will be able to use the Gigaset WLAN Adapter Monitor to create and monitor a connection to an Access Point. This monitor is represented by an icon in the taskbar, that also displays if there is already a connection to a connection partner (see p. 20).

In a wireless network in which exclusively Siemens Gigaset products are being used, the connection to an Access Point is established automatically during installation.

The icon for the monitor in the taskbar looks like the following, where the version displayed is dependent on the connection quality:



If one of these icons appears, the connection to the Access Point is already established. You can now start your Web browser to access the Internet.



Please also refer to the precautions regarding safe operation (on p. 3).

Installation for Windows XP



First install the software for the Gigaset WLAN-Adapter. Do not connect the Gigaset WLAN-Adapter to your PC until the installation procedure prompts you to do so!

If you insert the Gigaset WLAN-Adapter in your PC before installing the software, Windows will automatically recognise the device and show the dialog box prompting for the appropriate driver. Click on **Cancel** to close the dialog box. Remove the Gigaset WLAN-Adapter from your PC. Then proceed as described below.

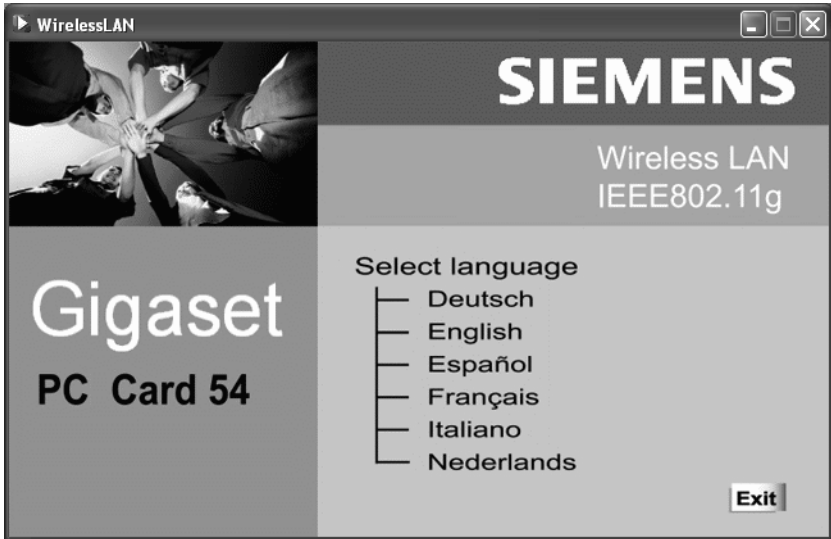


Please note that you may require administrator rights for the installation process.

To connect a Gigaset WLAN-Adapter to your PC, do the following:

1. Close all running Windows programs.
2. Insert the supplied Installation CD in your CD-ROM drive.

The installation program will start automatically. (If installation does not start automatically, run **setup.exe** from the supplied CD.)



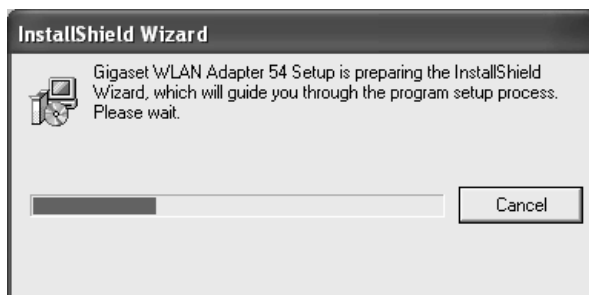
3. Select the appropriate language.



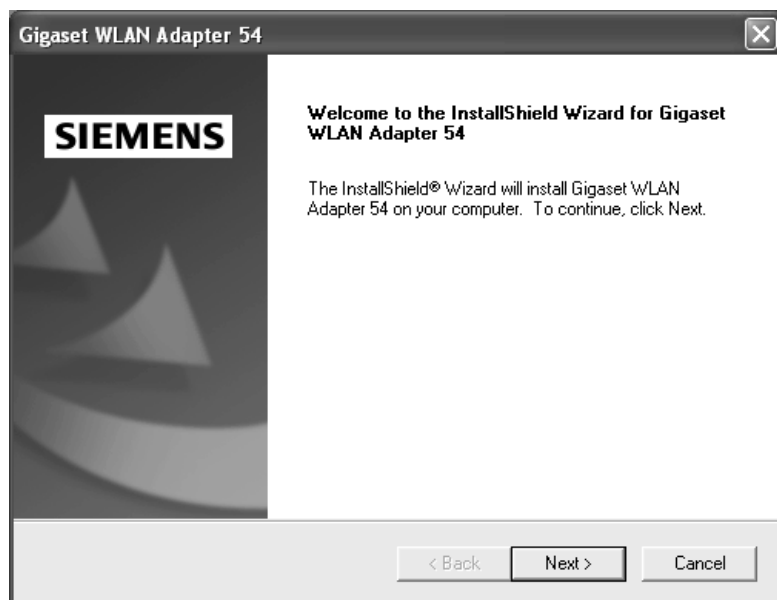
4. Select **Installation**.

Installing the Gigaset PC Card 54

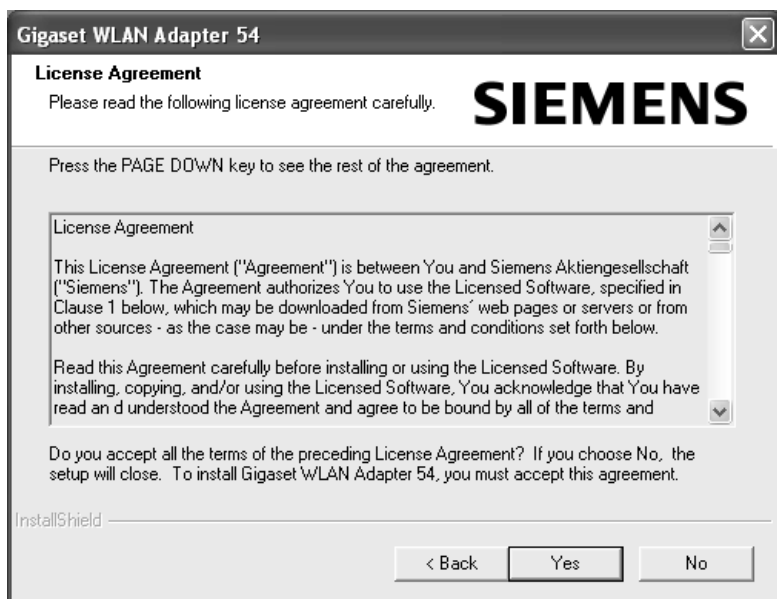
Then the installation is prepared and a corresponding message is displayed:



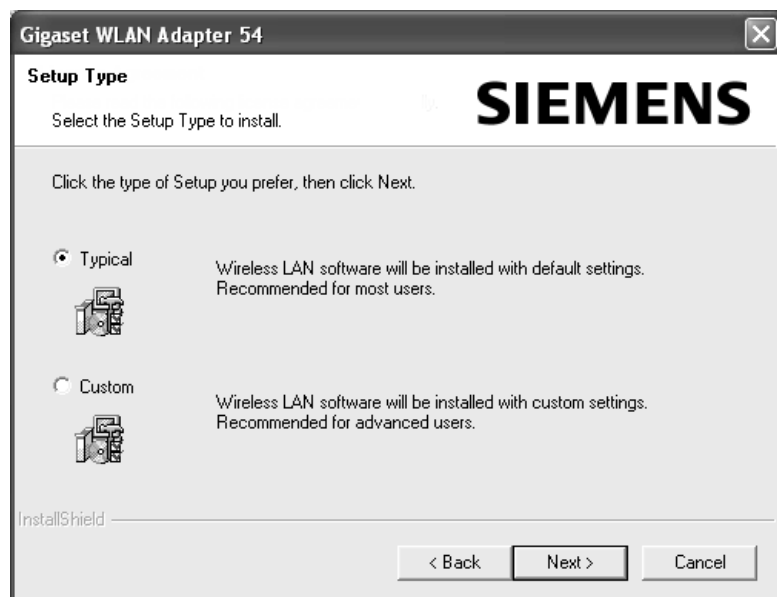
Wait until the Welcome screen is displayed:



5. As soon as the Welcome screen is displayed, click on **Next**.



6. If you accept the licence agreement, click on **Yes**.



7. Select the option **Typical** and click on **Next**.

Installing the Gigaset PC Card 54

- When prompted, insert the Gigaset WLAN-Adapter into the PCMCIA slot of your PC.



- Once Windows recognises the hardware, you will see a dialog box. Please select the option **Install the software automatically**, and click on **Next**. Depending on other settings on your PC, this dialog field might not appear. Then the installation step described here is automatically carried out by the system.
- Windows will then copy the drivers from the Installation CD.
- If a message about the compatibility test appears, click on **Continue installation**.



12. Finally click on **Finish** to complete installation.

13. Close the installation program with **Exit**.

After installation has been successfully completed, you will be able to use the Gigaset WLAN Adapter Monitor to create and monitor a connection to an Access Point. This monitor is represented by an icon in the taskbar, that also displays if there is already a connection to a connection partner (see p. 20).

In a wireless network in which exclusively Siemens Gigaset products are being used, the connection to an Access Point is established automatically during installation.

The icon for the monitor in the taskbar looks like the following, where the version displayed is dependent on the connection quality:



If one of these icons appears, the connection to the Access Point is already established. You can now start your Web browser to access the Internet.



Please also refer to the precautions regarding safe operation (on p. 3).

The monitor icon in the taskbar

When installation of the Gigaset WLAN-Adapter on your PC has been completed successfully, an icon for the Gigaset WLAN adapter monitor is displayed in the taskbar of the operating system interface:

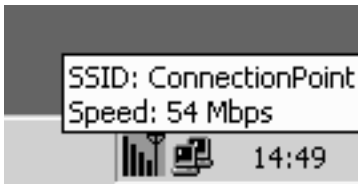


The number of vertical bars in this icon depends on the current connection quality. The icon also displays when there is no connection. A red cross then appears over the icon:



Display by cursor contact

When you touch the icon with the cursor, various properties of the current connection between your PC and a connection partner are shown:



The following properties are displayed:

- ◆ the SSID (Service Set ID)
- ◆ the transmission rate (in Mbps)

If there is no connection, cursor contact displays the status ***Disconnected***.

Reading the connection quality on an icon

The icon changes in multiple stages which display the different qualities of the connection between your PC and its respective connection partner.

The meaning of the icon in the various stages is as follows:



very good

The connection quality is very good. Communication can take place at a very high transmission rate.



good

The connection quality is good. Communication can occur at a normal transmission rate.



low

The connection quality is low. You should move your PC closer to the connection partner to have better field strength.



bad

The connection quality is bad. You should move your PC closer to the connection partner to have better field strength.



very bad

The connection quality is very bad. Your PC is possibly outside the range of the network. Move your PC closer to the connection partner.



No connection (red cross over the bars)

You have shut off the radio signal, or the configured settings are wrong, e.g., the parameters SSID or WEP encryption. Switch on the radio signal again or configure the Gigaset WLAN-Adapter appropriately for the network settings.

Configuring the Gigaset PC Card 54

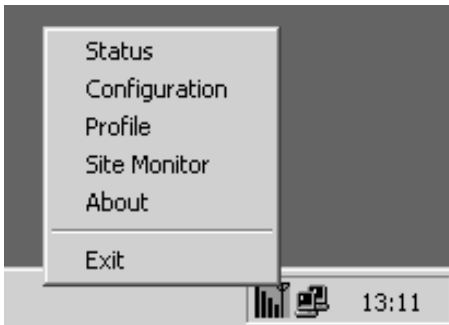
Gigaset WLAN Adapter Monitor

You can configure and monitor the Gigaset WLAN-Adapter with the Gigaset WLAN Adapter Monitor.

Launching the monitor

To launch the Gigaset WLAN Adapter Monitor, you have several options:

- ◆ Double-click on the icon for the Gigaset WLAN Adapter Monitor in the taskbar of the Windows user interface.
- ◆ Right click on the icon of the Gigaset WLAN Adapter Monitor in the taskbar. A pop-up menu appears where the various tabs of the monitor can be selected.
Select a tab (also see the overview of the tabs on p. 24).



When you select the option **Exit** in this pop-up menu, the Gigaset WLAN Monitor Adapter exits. The user interface and the icon disappear from your PC screen.

- ◆ Call up the Start menu on the Windows user interface and select **Programs – Gigaset WLAN Adapter 54 – Gigaset WLAN Adapter Monitor**.

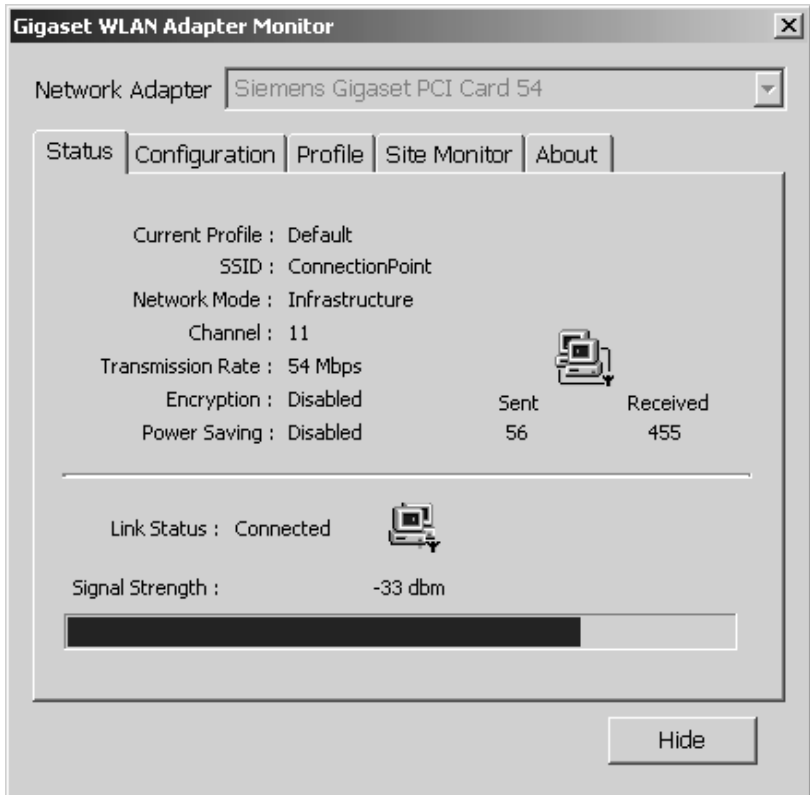
The icon of the Gigaset WLAN Adapter Monitor then appears in the taskbar of the user interface. Double-click the icon to launch the monitor.

When you have launched the Gigaset WLAN Monitor, its user interface appears. It will be described in the following sections.

User interface of the Gigaset WLAN Adapter Monitor

On the user interface of the Gigaset WLAN Adapter Monitor, various controls are arranged in three sections:

- ◆ In the upper section: Display of the network adapter used
- ◆ In the middle section: The five tabs **Status**, **Configuration**, **Profile**, **Site Monitor** and **About**
- ◆ In the lower section: **Hide** button



Display of the network adapter

In the upper section of the user interface, the **Network adapter** field displays the type of network adapter currently being used by your PC.

Configuring the Gigaset PC Card 54

Tab section

The middle section of the user interface is the tab section. In this section, five tabs can be called up so that various configuration and monitoring functions of the Gigaset WLAN-Adapter can be carried out.

How the tabs are used will be described in detail in this chapter.

- ◆ **Status** – see section "Displaying the status" (starting on p. 25)
This tab displays the current settings configured for the Gigaset WLAN-Adapter.
- ◆ **Configuration** – see section "Configuring the network adapter" (starting on p. 28)
This tab is used to configure and apply the current settings for the Gigaset WLAN-Adapter.
- ◆ **Profile** – see section "Managing profiles" (starting on p. 33)
This tab is used to create, modify, and save profiles for configuring the Gigaset WLAN-Adapter. This tab can also be used to make an existing profile current for the Gigaset PC Card 54.
- ◆ **Site Monitor** – see section "Displaying connection partners" (starting on p. 38)
This tab can be used to display a list of WLANs available for your PC. The properties of these possible connection partners are displayed here. This tab can also be used to establish a connection to one of these connection partners.
- ◆ **About** – see section "Displaying adapter information" (starting on p. 41)
This tab can be used to display the driver versions of the Gigaset WLAN Adapter Monitor for your Gigaset WLAN-Adapter as well as their MAC address.

Hide button

The **Hide** button is located in the lower section of the user interface. When you click on this button, the user interface of the Gigaset WLAN Adapter Monitor disappears from your PC screen.

To show the user interface again, double-click in the taskbar on the icon for the Gigaset WLAN Adapter Monitor.

Displaying the status

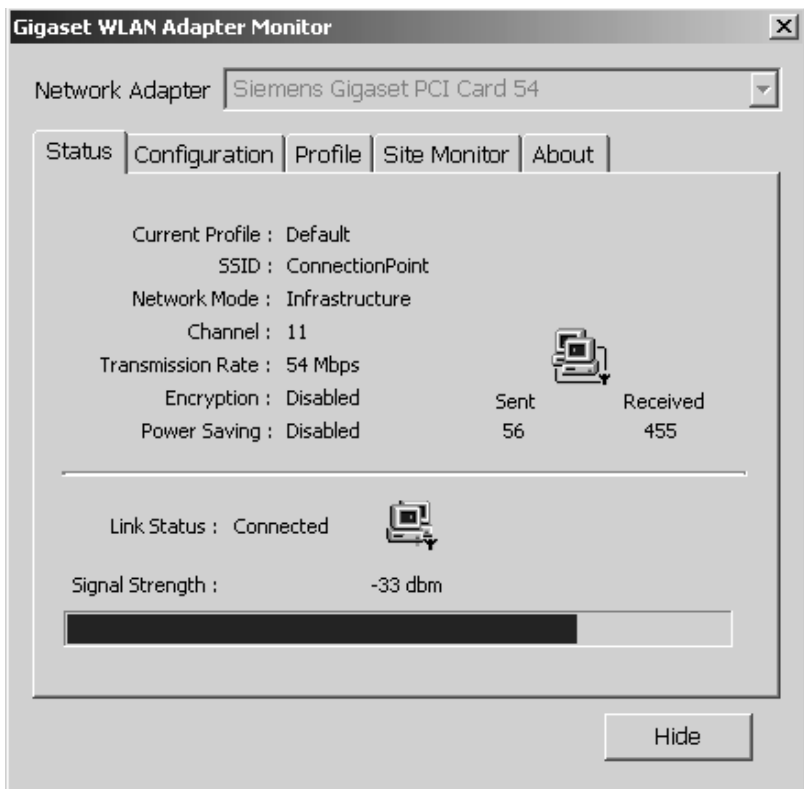
The Gigaset WLAN Adapter Monitor can display the status of your Gigaset WLAN-Adapter.

Several parameters can be seen here. They describe such specifics as which connection partner is connected to your PC, which network mode is being used by the Gigaset WLAN-Adapter, which transmission rate has been set, and the value for the current signal strength.

If you would like to display the status of your Gigaset WLAN-Adapter, call up the **Status** tab.

The Status tab

The tab has the following appearance:



Current Profile	Profile, currently configured for your Gigaset WLAN-Adapter Settings for seven different parameters are summarised in such a profile: SSID, network mode, channel number, transmission rate, transmission mode, encryption, and power saving The remaining fields of the tab display the current settings for these parameters.
SSID	SSID (Service Set ID) of the connection partners with which your PC is currently connected
Network mode	Network mode according to the type of network currently connected to your PC Values: Ad-hoc Your PC is connected to an Ad-hoc network. Infrastructure Your PC is connected to an Infrastructure network.
Channel	Channel number your PC is currently using to communicate with a connection partner (only in Ad-hoc mode) Values: 1–13 The set channel number
Transmission rate	Transmission rate, which is currently configured for data transmission Values: Auto When this value is displayed, the setting of the transmission rate is automatically regulated, dependent on the respective field strength. 54M, 48M, 36M, 24M Magnitude of the transmission rate set (in M = Mbps) 18M, 12M 11M, 9M 6M, 5.5M 2M, 1M
Encryption	Specification whether a encryption mechanism (WEP encryption) is currently set Values: 64 bit enabled An encryption mechanism is set with a 64-bit algorithm. 128 bit enabled An encryption mechanism is set with a 128-bit algorithm. Disabled There is no encryption mechanism set.
Sent	Number of data packets, that have been sent so far by your PC over the current connection

Received	Number of data packets, that have been received so far by your PC over the current connection
Power saving	Specification whether the power saving mode is currently set Values: Enabled The power saving mode is set. Disabled The power saving mode is not set.
Link status	Specification whether there is currently a connection from your PC to a connection partner Values: Connected There is a connection. For this value, several green lines appear with the icon that is displayed to the right of the value. Disconnected There is no connection. For this value, a red cross appears over the icon that is displayed to the right of the value.
Signal strength	Signal strength of the current connection between your PC and a connection partner (only in infrastructure mode) The value for the signal strength is displayed in two ways: – measured in dbm – by the length of the bar in a graphic form

Configuring the network adapter

The Gigaset WLAN Adapter Monitor can configure the settings of your network adapter. Your PC is then connected to a wireless network using these settings.

Here you can configure which connection partner is connected to your PC, in which network mode the adapter is operating, and the transmission rate used to transmit the data.

If you would like to configure the settings which apply to your network adapter, call up the **Configuration** tab.

The Configuration tab

The tab has the following appearance:

The screenshot shows the 'Gigaset WLAN Adapter Monitor' window with the 'Configuration' tab selected. The 'Network Adapter' dropdown is set to 'Siemens Gigaset PCI Card 54'. The 'Status' tab is also visible. The configuration fields are as follows:

Field	Value
SSID	ConnectionPoint
Network Mode	Infrastructure
Transmission Rate	Auto
Channel	11
Power Saving	Disable
Encryption	Disable
Type	Open Key
Default Key	Key 1
Key 1	*****
Key 2	*****
Key 3	*****
Key 4	*****

Buttons: Submit, Hide. Radio buttons: Hexadecimal (selected), ASCII.



To apply the settings you have configured using this tab, click on the **Submit** tab.

SSID

In this field, you can configure the SSID (Service Set ID) of the connection partner you want to connect your PC to. To do this, do the following:

- ◆ Infrastructure mode: Configure the SSID first at the Access Point. Configure the same SSID for all wireless network adapters of the network.
- ◆ Ad-hoc mode: Configure the same SSID for all network adapters of the network.

Default setting: **Connection Point**



Please also refer to the "Notes on safe operation" (on p. 3) when configuring the SSID and working with encryption.

Network mode

In this field you can configure the network mode according to the type of network to which your PC should be connected.

Values:

Ad-hoc Your PC should be connected to an Ad-hoc network.

Infrastructure Your PC should be connected to an Infrastructure network.

Default setting: **Infrastructure**

Transmission rate

In this field you can set the Transmission rate which should be configured for data transmission.

Values:

Auto When this value is configured, the setting of the transmission rate is automatically regulated, dependent on the respective field strength.

54M, 48M
36M, 24M Magnitude of the transmission rate set (in M = Mbps)

18M, 12M

11M, 9M

6M, 5.5M

2M, 1M

Default setting: **Auto**

Channel

In this field, the Channel number your PC should use to communicate with a connection partner can be configured. (only for Ad-hoc mode).

Values:

1–13 The set channel number

Configuring the Gigaset PC Card 54

Default setting: **11**

Power saving

In this field you can configure the setting for the Power saving mode.

Values:

Enable The power saving mode is set.

Disable The power saving mode is not set.

Default setting: **Disabled**

As appropriate, the power saving mode is only activated when the Gigaset WLAN adapter is being used in a battery-operated device (e.g., the Gigaset PC Card 54 in a notebook). It depends on the device, whether a connection is re-established automatically when data is sent to the PC, or whether a connection must be established again using the LAN Adapter Monitor.

Submit

If you would like to apply the configured settings, click on this button.

This also applies to settings for encryption which is described in the following.

Encryption

In this field you can configure whether the data transmission should be encrypted (WEP encryption). To do this, do the following:

- ◆ Infrastructure mode: Configure the encryption first at the Access Point. Configure the encryption for all wireless network adapters of the network with the same values.
- ◆ Ad-hoc mode: Configure the encryption for all network adapters of the network with the same values.

Values:

Disable Data transmission should not be encrypted.

64 bit Data transmission should be encrypted using a 64-bit algorithm.

128 bit Data transmission should be encrypted using a 128-bit algorithm.

Default setting: **Disable**

If you have set the **64 bit** or **128 bit** in this field, several additional fields are available which are required for encryption.

The tab then has the following appearance:

Type

In this field you can configure which authentication method should be used for encryption.

Values:

Open Key

This method does not require the connection partner to establish authentication. However, data can only be transmitted with the correct key.

Shared Key

In this method your PC only gets access to the requested network when the authentication indicates that both sides are using the same key.

Default setting: **Open Key**

Default key

In this field, you can select the key used to encrypt the data sent by your PC.

The four keys you have entered in the fields **Key 1** to **Key 4** are offered here.

Default setting: **Key 1**

Configuring the Gigaset PC Card 54

Key 1 to Key 4 In these fields, you can enter up to four keys. These keys are used to encrypt the data received from your PC.

The length of the keys and their format depend on the algorithm you have set in the field **Encryption** (64 or 128 bit) as well as the format you have selected in the field **Hexadecimal** or **ASCII**.

The following assignment details apply:

- Hexadecimal** 64 bit: 10 characters
(0-9, 1-F) 128 bit: 26 characters
- ASCII** 64 bit: 5 characters
128 bit: 13 characters

Hexadecimal If you would like to enter the keys in hexadecimal format in the fields **Key 1** to **Key 4**, select this field (default setting).

ASCII If you would like to enter the keys in ASCII format in the fields **Key 1** to **Key 4**, select this field.



Note that not only the key is evaluated when connected with other network components. For some devices, even its number is evaluated. This means that both the key as well as the key number should match.

Managing profiles

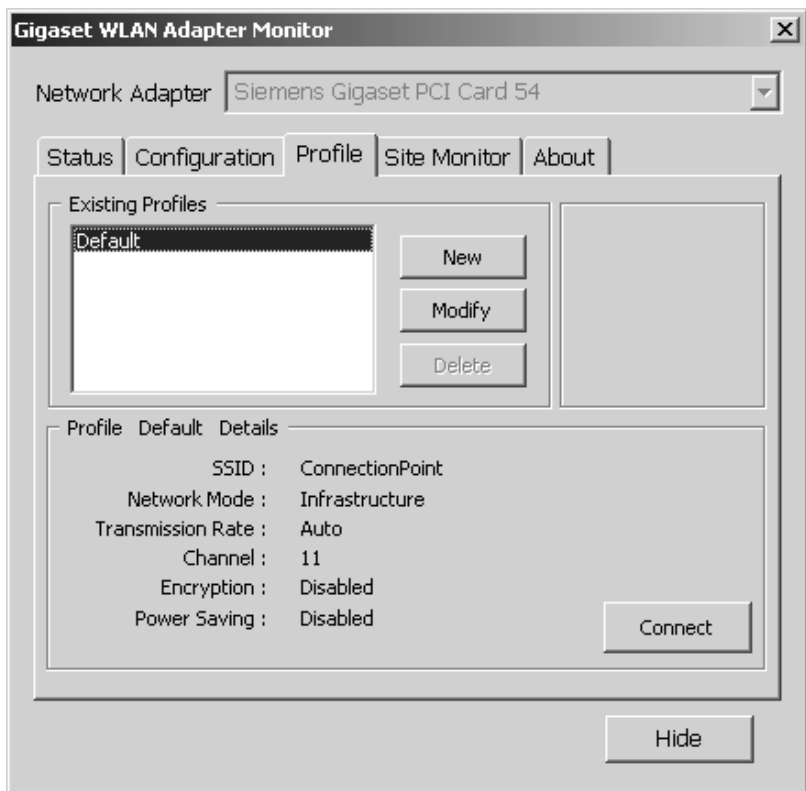
The Gigaset WLAN Adapter Monitor can be used to manage profiles in which multiple settings for the configuration of your Gigaset WLAN-Adapter are saved. You can create, modify, and save various profiles for different network situations and then call up the profile required as needed.

Included in the settings which can be saved in a profile are: the connection partner to be connected to your PC, the transmission rate for transmitting data, and the encryption mechanism to be used in the transmission.

To manage profiles, call up the **Profile** tab.

The Profile tab

The tab has the following appearance after it has been called up:



- Existing Profiles** In this list field, profiles are displayed which are available for configuring your Gigaset WLAN-Adapter.
This list will always contain the default profile **Default**.
The profiles you have created yourself are added to the list.
- New** If you would like to create a new profile, click on this button.
Further instructions are described in the section "Creating a new profile" (starting on p. 35).
- Modify** If you would like to modify an existing profile, select this profile in the list field and click on this button.
Further instructions are described in the section "Modifying a profile" (starting on p. 36).
- Delete** If you would like to delete an existing profile, select this profile in the list field and click on this button.
Note that the **Default** profile can be modified, but not deleted.
- Profile ... Details** In this field, the settings of the profile currently selected in the list field **Existing Profiles** are displayed.
The meaning of the settings is described in the section "The Status tab" (starting on p. 25).
- Connect** If you would like to connect your Gigaset WLAN-Adapter using the profile displayed, click on this button (also see p. 37).

Creating a new profile

If you would like to create a new profile for configuring your Gigaset WLAN-Adapter, do the following:

1. Click on the **New** button.

The tab then has the following appearance:

The screenshot shows the 'Gigaset WLAN Adapter Monitor' window with the 'Configuration' tab selected. The 'Network Adapter' dropdown is set to 'Siemens Gigaset PCI Card 54'. The 'Profile' tab is active, displaying various configuration fields. On the right side of the configuration area, there are 'Save' and 'Cancel' buttons. At the bottom right, there is a 'Hide' button. The configuration fields include:

- Profile Name: [Empty text box]
- SSID: [Empty text box]
- Network Mode: Infrastructure (dropdown)
- Transmission Rate: Auto (dropdown)
- Channel: 8 (dropdown)
- Power Saving: Disable (dropdown)
- Encryption: Disable (dropdown)
- Type: Open Key (dropdown)
- Default Key: Key 1 (dropdown)
- Encryption options: Hexadecimal (selected) and ASCII (radio buttons)
- Key 1, Key 2, Key 3, and Key 4: Each followed by a text box containing eight asterisks (*****).

2. In the field **Profile Name** enter the name you would like to give the new profile. The fields of the tab and the values you can set are described in the section "The Configuration tab" (starting on p. 28).
3. If you want to save the new profile with the set values, click on the **Save** button in the right section of the tab, or click on **Cancel**, if you do not want to save the set values in a new profile.

The **Profile** is then displayed again in the form it appeared when it was first called up (see p. 33). If you have saved a new profile, it can now be found in the selection list **Existing Profiles**.

If you select the new profile, you can look at the setting in the **Profile ... Details** display field and check their accuracy.

Modifying a profile

If you would like to modify an existing profile for configuring your Gigaset WLAN-Adapter, do the following:

1. Select the profile to be modified from the list field **Existing Profiles**.
2. Click on the **Modify** button.

The tab then has the following appearance:

The screenshot shows the 'Gigaset WLAN Adapter Monitor' window with the 'Configuration' tab selected. The 'Network Adapter' dropdown is set to 'Siemens Gigaset PCI Card 54'. The 'Profile' tab is active, displaying the following settings:

- Profile Name: Default
- SSID: ConnectionPoint
- Network Mode: Infrastructure
- Transmission Rate: Auto
- Channel: 11
- Power Saving: Disable

On the right side of the configuration area are 'Save' and 'Cancel' buttons. Below the main configuration area, there is an 'Encryption' section with the following options:

- Encryption: Disable
- Type: Open Key
- Default Key: Key 1
- Radio buttons: Hexadecimal (selected) and ASCII
- Key 1 through Key 4: All set to asterisks (*****).

A 'Hide' button is located at the bottom right of the window.

3. The fields and the values you can modify are described in the section "The Configuration tab" (starting on p. 28).
4. If you want to save the profile with the modified values, click on the **Save** button in the right section of the tab, or click on **Cancel**, if you do not want to save the changed values.

Then the **Profile** tab is displayed again in the form it appeared when it was first called up (see p. 33).

If you select the modified profile, you can look at the modified settings in the **Profile ... Details** display field and check their accuracy.

Enabling a profile

If you would like to use a different profile for your Gigaset WLAN-Adapter other than the valid one being used, you must enable this other profile.

To perform this step, select a profile from the **Existing Profiles** list field and click on the **Connect** button.

The selected profile is now applied to your Gigaset WLAN-Adapter.

Displaying connection partners

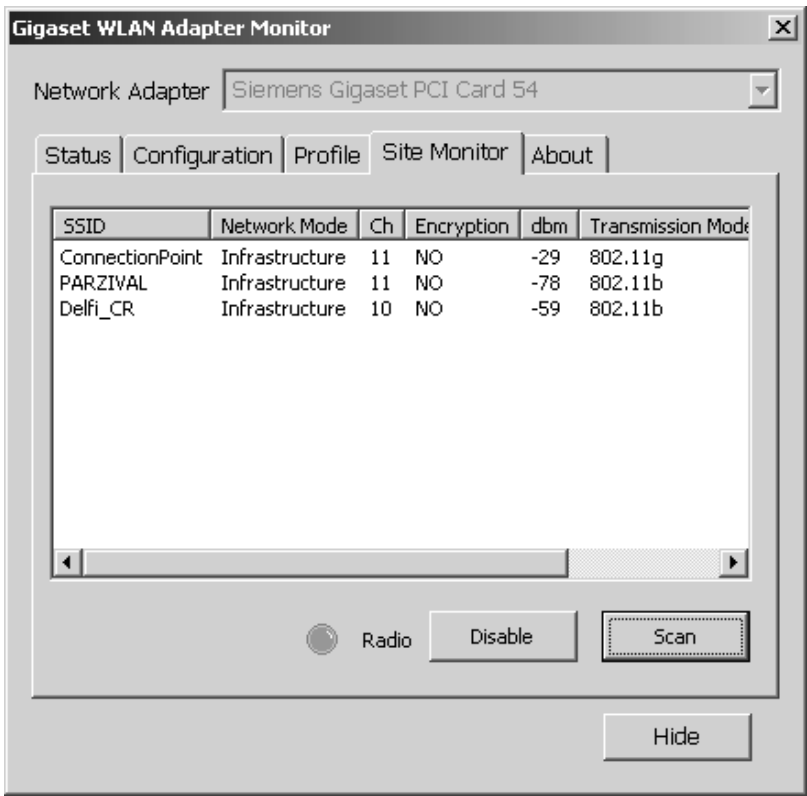
Using the Gigaset WLAN Adapter Monitor you can display the Access Points, such as the Gigaset SE505 dsl/cable, and PCs with network adapters for wireless operation, such as the Gigaset PC Card 54 or the Gigaset PCI Card 54, which are available to your PC as connection partners.

To do this, you can call up a list of possible connection partners and their properties, as well as update this list using a scan function. You can also select one of the displayed connection partners and connect it to your PC.

To display connection partners, call up the **Site Monitor** tab.

The Site Monitor tab

The tab has the following appearance:



SSID In this column, the SSIDs (Service Set IDs) are listed for connection partners available to be connected to your PC. Double-clicking on the displayed SSIDs will connect your PC to that connection partner.

Network mode	In this column, the Network mode is displayed which applies to the listed connection partners. Values: Ad-hoc Network mode for connection partners to which your PC can be connected without switching through an Access Point Infrastructure Network mode for Access Points
Channel	In this column, the Channel numbers are displayed with which the listed connection partners can be connected to your PC in Ad-hoc mode. Values: 1–13 Number of the available channel
Encryption	This column displays whether data transmission must be encrypted for communication with the listed connection partner. Values: NO Data transmission does not need to be encrypted. YES Data transmission must be encrypted with a 64-bit or 128-bit algorithm.
dbm	This column displays the current field strength (in dbm) when communicating with the respective connection partners.
Transmission mode	This column displays the Transmission mode applicable to the network to which your PC can be connected. Values: 802.11b Your PC can be connected to a network where all other components correspond to the IEEE 802.11b standard, or one IEEE 802.11g Access Point in the network is configured so that it only operates according to the IEEE 802.11b standard. 802.11g Your PC can be connected to a network where all components correspond to the IEEE 802.11g standard, or one IEEE 802.11g Access Point in the network operates in "Mixed mode". I.e., it serves clients operating according to the IEEE 802.11b standard, as well as IEEE 802.11g clients.
Network address	This column displays the network addresses of the listed connection partners.
Radio	Displays if the radio signal is enabled for the scan function Values: red Radio signal disabled

green Radio signal enabled

- Enable/Disable** This button appears in two versions:
Values:
- Enable** The radio signal is disabled. Click on the button to enable it.
 - Disable** The radio signal is enabled. Click on the button to disable it.

Scan If you would like to scan to update the list of displayed connection partners, click on this button.
If it is needed, first click on the **Enable** button.



Note that in the surroundings of your Gigaset WLAN-Adapter there could be other networks available which are not displayed in the **Site Monitor** tab. This could be due to restrictive and non-compatible configuration settings for the respective Access Points.

Establishing a connection using the Site Monitor

If you would like to connect your PC with one of the connection partners displayed in the list of the **Site Monitor** tab, double-click on the SSID of this connection partner. Your PC is then connected with that connection partner.

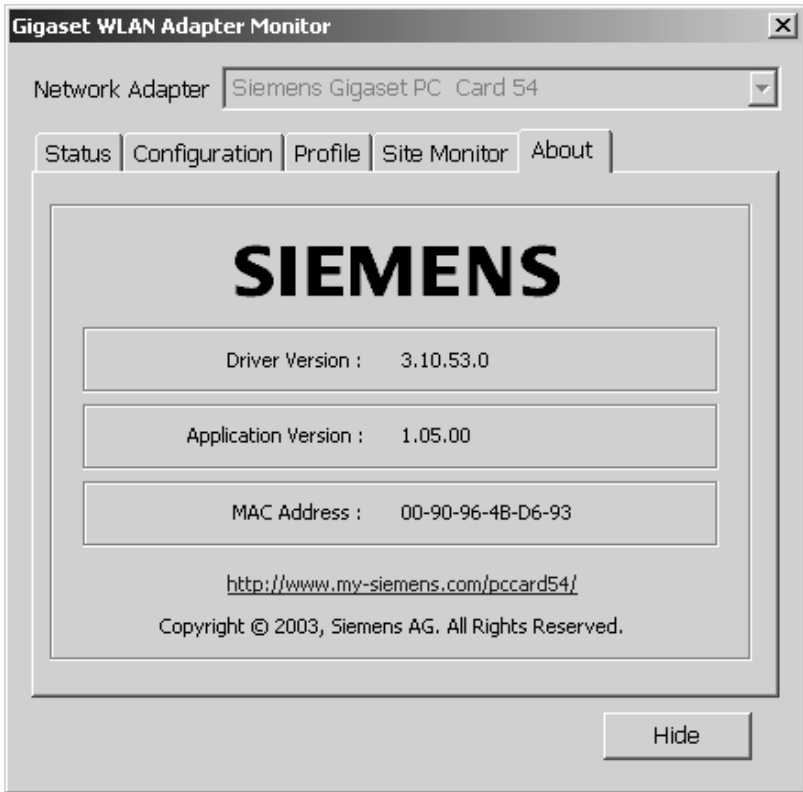
Displaying adapter information

The Gigaset WLAN Adapter Monitor can display various information about your network adapter.

To do this, open the **About** tab.

The About tab

The tab has the following appearance:



The adapter information displayed in this tab is:

- ◆ Driver version: Version of the driver for your Gigaset WLAN-Adapter
- ◆ Application version: Version of the Gigaset WLAN Adapter Monitor for your Gigaset WLAN-Adapter
- ◆ MAC address: MAC address of your Gigaset WLAN-Adapter, which allows this network adapter to be uniquely identified world-wide

The address of a Siemens Internet page where you can find more information about your Gigaset WLAN-Adapter is also displayed.

Uninstalling Gigaset PC Card 54

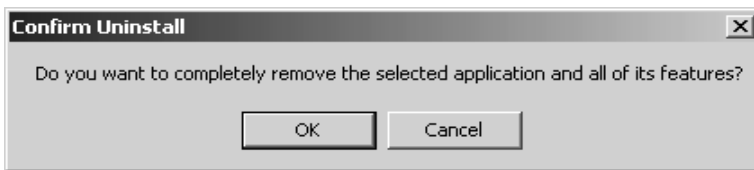
If you would like to remove the Gigaset WLAN-Adapter from your PC for any reason, do the following:

- ◆ First uninstall the software for the Gigaset WLAN-Adapter.
- ◆ Then uninstall the hardware.

Uninstalling the software

To uninstall the software for the Gigaset WLAN-Adapter from your computer, do the following:

1. Close all running Windows programs.
2. Call up the Start menu and then select **Programs – Gigaset WLAN Adapter 54 – Uninstall Gigaset WLAN Adapter Monitor**.



3. To be sure, you will be prompted if you really want to uninstall the software for the Gigaset WLAN-Adapter. Click on **OK**.



4. When the uninstall program indicates that it is finished, click on **Finish**, to finish uninstalling the software.

Uninstalling the hardware

When the software uninstall is finished, you can remove the Gigaset WLAN-Adapter from the PCMCIA slot of your PC.

Updating the device driver

You should update the driver of the Gigaset WLAN-Adapter if there is a newer driver version. You can find the latest driver updates on our website www.my-siemens.com/pccard54.

Download the latest driver. Then perform the following steps to update the device driver.

1. Uninstall the software for the Gigaset WLAN-Adapter as described in Chapter "Uninstalling Gigaset PC Card 54" (starting on p. 42).
2. Remove the Gigaset PC Card 54 from the PC.
3. Shut down your Windows session and restart your PC.
4. Depending on your Windows environment, proceed as is described in Chapter "Installation for Windows 98, 98 SE, ME and 2000" (starting on p. 8) or for Windows XP (starting on p. 14).

If you have not burned the new device driver onto a CD, execute the file **setup.exe** of the downloaded device driver.

Appendix

Fault tracing

Symptom	Causes and countermeasures
Interference	If there is interference when operating your PC with the Gigaset WLAN-Adapter, try one or more of the following measures to remedy it: ◆ Remove the Gigaset PC Card 54 from the PCMCIA slot and then re-insert it. ◆ Increase the distance between your PC and the device causing the interference. ◆ Connect your PC containing the Gigaset WLAN-Adapter to a different electric circuit (via the socket outlet) than the one the device is currently using, which could be causing the interference. ◆ Do not place your PC with the Gigaset WLAN-Adapter near microwave devices or devices with wireless video-audio transmission, e.g., wireless monitoring devices for infants, and also not near large metal objects. Ask your dealer or an experienced radio technician for advice.
Card is not detected	If the Gigaset WLAN-Adapter is not detected by your PC operating system, take one or more of the following countermeasures: ◆ Check if the Gigaset PC Card 54 is inserted correctly into the PCMCIA slot of your PC. ◆ Check if it is a PCMCIA slot for a 32-bit CardBus type network adapter and if this slot operates free from defects. ◆ Contact your dealer and arrange for an additional test of the Gigaset WLAN-Adapter.
Poor connection quality	If the connection quality is displayed as "poor" on the user interface of your PC, the following causes could be responsible. Take the respective indicated countermeasures: ◆ Interference (for countermeasures, see above) ◆ There is too much distance between your PC with the Gigaset WLAN-Adapter and the connection partner Reduce this distance.

Symptom	Causes and countermeasures
No connection to another wireless network adapter	If a connection between your PC with the Gigaset WLAN-Adapter and another wireless network adapter cannot be established, the following causes could be responsible. Take the respective indicated countermeasures: ◆ SSID is incorrectly configured Ensure that the same SSID is configured for all connection partners with network adapters for wireless operation. ◆ Changes in the configuration are not detected by your PC Restart your PC. ◆ The IP address or subnet mask is incorrectly configured Ensure that these parameters are correctly configured using the TCP/IP properties dialog box of the Network configuration tab. As a rule, it is necessary to assign fixed IP addresses when operating a network in Ad-hoc mode. To set IP addresses, also see the document "Practical Tips and Configuration Examples" on the included CD.
No connection to Access Point	If you cannot establish a connection between your PC with the Gigaset WLAN-Adapter and an Access Point, take one or more of the following countermeasures: ◆ Ensure that the physical connection of the Access Point operates reliably. ◆ Check if the same SSID was configured for both the Gigaset WLAN-Adapter and the Access Point. ◆ Check if the security settings configured for the Gigaset WLAN-Adapter match those for the Access Point, e.g., the same keys for WEP encryption. ◆ Check if your access to Access Point is blocked by other security measures, e.g., by a MAC filter or filter for IP addresses. ◆ The IP address or subnet mask is incorrectly configured Ensure that these parameters are correctly configured using the TCP/IP properties dialog box of the Network configuration tab. As a rule, it is necessary to assign dynamic IP addresses when operating a network in Infrastructure mode. To set IP addresses, also see the document "Practical Tips and Configuration Examples" on the included CD.

Symptom	Causes and countermeasures
Installation cancelled under Windows 2000	If the following error message appears when installing the Gigaset WLAN-Adapter under Windows 2000: "1608: Unable to create InstallDriver instance" and the installation is cancelled, the cause is that the Microsoft Network Client component is missing. To install this component, do the following: ◆ In Control panel double-click on the Network and dial-up connections icon. Right-click with the mouse on Local Area Connection, and select Properties. ◆ Click in succession on Installing > Client > Add > Client for Microsoft Networks > OK. ◆ The Microsoft Network Client component is now installed. Restart your PC to apply the change. ◆ Try to install the software again as is described in these operating instructions.

Specifications

The specifications are subject to change.

Software

Compliance with standards	IEEE 802.11b/802.11g
Operating modes	Ad-hoc mode Infrastructure mode
Security properties	Support of SSID network identification for security Support of data encryption using the WEP algorithm (64 bit/128 bit) Support of the authentication method Open key and Shared key
Configuration and monitoring	Monitor for configuration and monitoring Dynamic configuration 2 LED display for operation and transmission status
Supported operating systems	Windows 98, Windows 98 SE, Windows ME, Windows 2000 and Windows XP

Hardware

Interface 32-bit cardbus

Wireless properties

Frequency range	2,400 to 2,484 GHz ISM band (subject to local regulations)
Spreading	Direct Sequence Spread Spectrum (DSSS)
Modulation	CCK, OFDM
Number of channels	IEEE 802.11b: 13 (Europe, ETSI) IEEE 802.11g: 13 (Europe, ETSI)
Transmission rate	IEEE 802.11b: 1, 2, 5.5, 11 Mbps IEEE 802.11g: 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54 Mbps
Antenna	1 internal antenna
Antenna output power	<100 mW

Requirements for the power mains and the operating environment

Temperature	Operating temperature: 0 to 45 °C Storage temperature: -10 to 70 °C
Humidity	5 to 80 % (non condensing)
Power consumption	Receiving mode: 330 mA Transmission mode: 490 mA Idle mode: 180 mA
LED displays	Operating status (green) Transmission status (green)
Compliance with security conditions and regulations	CE, EN 60950

Service (Customer Care)

You have access to straightforward support concerning technical aspects of your device and how to operate it through our Online Support on the Internet:

www.my-siemens.com/customercare

or you can refer to the section "Fault tracing" on p. 45.

If you have any trouble with the equipment, please contact the **Siemens telephone service**:

United Kingdom 0 87 05 33 44 11

Ireland 18 50 77 72 77

Siemens Service is only available for device faults. Your specialist dealer will be able to help you with any questions about operating your device.

Please address any questions about the DSL or cable connection to your network provider.

The Gigaset WLAN-Adapter is intended for operation in your country, as displayed on the underside of the device.

The device complies with the R&TTE guideline, as shown by the CE mark.

Excerpt from the original declaration

"We, Siemens AG, declare, that the above mentioned product is manufactured according to our Full Quality Assurance System certified by CETECOM ICT Services GmbH in compliance with ANNEX V of the R&TTE-Directive 99/05/EC. The presumption of conformity with the essential requirements regarding Council Directive 99/05/EC is ensured."

The Declaration of Conformity (DoC) was signed. If necessary, you can obtain a copy of the original DoC using the company hotline.

☎ 06820

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 manuals.
- ◆ 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 manuals 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. The Guarantee is issued by Siemens plc, Siemens House, Oldbury, Bracknell, Berkshire, RG12 8FZ.
- ◆ 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 do 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.

Guarantee certificate (Ireland)

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 care or use and/or failure to comply with information contained in the user manuals. In particular claims under the Guarantee cannot be made if:
 - the device is opened (this is classed as third party intervention)
 - Repairs or other work done by persons not authorised by Siemens.
 - Components on the printed circuit board are manipulated
 - The software is manipulated
 - Defects or damage caused by dropping, breaking, lightning or ingress of moisture. This also applies if defects or damage was caused by mechanical, chemical, radio interference or thermal factors (e.g.: microwave, sauna etc.)
 - Devices fitted with accessories not authorised by Siemens
- ◆ 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 manuals 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 Republic of Ireland the Guarantee is issued by Siemens Ireland Limited, Ballymoss Road, Sandyford Industrial Estate, Dublin 18 - The Republic of Ireland.
- ◆ 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 Customer's 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 helpdesk on 1850 777 277. This number is also to be found in the accompanying user guide.

Kundeservice (Customer Care)

Hvis brugen af telefonen giver anledning til spørgsmål, kan du få fat i os via vores onlinesupport på web-adressen www.my-siemens.dk/service 24 timer i døgnet. Her kan du få enkel og let tilgængelig hjælp ved tekniske spørgsmål og spørgsmål vedrørende betjening af din telefon.

Du kan også kontakte vores

HelpDesk

35 25 86 00

Spørgsmål vedrørende det offentlige telefonnet bedes rettet til den pågældende operatør.

Hvis en reparation er påkrævet, skal du henvende dig hos din forhandler eller hos et af vores serviceværksteder. Du kan finde en oversigt over servicepartnere på følgende web-adresse:

www.my-siemens.dk/service

I lande, hvor vores produkt ikke sælges af autoriserede forhandlere, tilbyder vi ikke ombygning eller reparation.

Gigaset er beregnet til anvendelse i det land, som er anført på emballagen og apparatet. Der er taget hensyn til særlige forhold i det enkelte land. Spørgsmål vedrørende forskellene på de offentlige telefonnet bedes rettet til forhandleren eller netudbyderen.

CE-mærkningen bekræfter, at apparatet er i overensstemmelse med de grundlæggende krav i R&TTE-direktivet.

Uddrag fra originalerklæringen:

"We, Siemens AG, declare, that the above mentioned product is manufactured according to our Full Quality Assurance System certified by CETECOM ICT Services GmbH with the registration number "Q810820M" in compliance with ANNEX V of the R&TTE-Directive 99/05/EC. The presumption of conformity with the essential requirements regarding Council Directive 99/05/EC is ensured".

Senior Approvals Manager

The Declaration of Conformity (DoC) has been signed. In case of need, a copy of the original DoC can be made available via the company hotline.

CE 0682!

Producentens garanti (Danmark)

Slutbrugeren ydes en af forhandleren uafhængig fabriksgaranti på nedenstående vilkår:

- ◆ Hvis der inden for de første 24 måneder efter køb opdages mangler på udstyret og de tilhørende komponenter som følge af produktions- og materialefejl, kan Siemens frit vælge, om man vil foretage ombytning med et nyt, tidssvarende udstyr eller afhjælpe manglen gennem reparation. På dele, som udsættes for slitage (batterier, tastatur og bælteclips), ydes 6 måneders produktgaranti.
- ◆ Garantien bortfalder, hvis manglen skyldes forkert anvendelse og/eller manglende overholdelse af betjeningsvejledningens instruktioner.
- ◆ Garantien kan ikke udstrækkes til at omfatte servicearbejde udført af den autoriserede forhandler eller kunden selv (f.eks. installation, konfigurerings og downloadet software). Vejledninger og software leveret på et særskilt datamedium er heller ikke omfattet af garantien.
- ◆ Købskvitteringen skal sammen med købsdatoen anvendes ved fastlæggelsen af, om en given reklamation ligger inden for reklamationsperioden. Reklamationer under garantien skal fremsættes senest to måneder efter, at manglen er blevet opdaget.
- ◆ Siemens har ret til at beholde udstyr og komponenter, der ombyttes eller returneres til Siemens.
- ◆ Garantien omfatter nyt udstyr købt inden for EU. For produkter, der er solgt i Danmark, er garantien udstedt af Siemens Mobile A/S, Dybendalsvænget 3, 2630 Tåstrup.
- ◆ Krav, der ikke er omfattet af garantien, kan ikke imødekommes. Siemens kan ikke holdes ansvarlig for driftsforstyrrelser, formuetab eller tab af data og software samt andre informationer, som bruger selv har downloadet/indtastet.
- ◆ Hvis der ikke foreligger mangler, der er omfattet af denne garanti, forbeholder Siemens sig ret til at debitere kunder for ombytning eller reparation.
- ◆ Ovenstående regler ændrer ikke bevisbyrden til skade for kunden.

Asiakaspalvelu (Customer Care)

Online-tukisivumme Internetissä:

www.my-siemens.com/customer-care

Tuotteitamme koskevaa henkilökohtaista neuvontaa saat soittamalla **HelpDesk**-numeroomme:

Suomi

09-22943700

aukioloaika: maanantai - perjantai klo 9 - 18

Sinua palvelevat Siemensin asiantuntevat työntekijät, joilta saat tietoa tuotteista ja niiden asennuksesta.

Käänny vikatapauksissa Siemens HelpDeskin puoleen. Myyjä vastaa käyttöä koskeviin kysymyksiin.

DSL- ja kaapeliliittymää koskevissa kysymyksissä sinun pitää kääntyä verkko-operaattorin puoleen.

Maissa, joissa ei ole valtuutettuja myyjiä myymässä tuotettamme, ei ole saatavilla vaihto- tai korjauspalvelua.

Gigaset on tarkoitettu käytettäväksi Suomessa, kuten laitteen pohjaan on merkitty. Maakohtaiset erot on otettu huomioon.

CE-merkki vahvistaa, että laite on R&TTE-direktiivin vaatimusten mukainen. **Ote alkuperäisestä vakuutuksesta:**

"We, Siemens AG, declare, that the above mentioned product is manufactured according to our Full Quality Assurance System certified by CETECOM ICT Services GmbH with the registration number „Q810820M" in compliance with ANNEX V of the R&TTE-Directive 99/5/EC. The presumption of conformity with the essential requirements regarding Council Directive 99/5/EC is ensured"

Senior Approvals Manager

The Declaration of Conformity (DoC) has been signed. In case of need a copy of the original DoC can be made available via the company hotline.

CE 0682!

Takuuehdot (Suomi)

Tämä takuu ei rajoita niitä oikeuksia, joita laitteen käyttäjällä (ostajalla) on jälleenmyyjää kohtaan. Valmistaja myöntää laitteelle ja niiden osille seuraavien takuuehtojen mukaisen takuun:

- ◆ Siemens vastaa uusissa laitteissa ja niiden osissa ilmenevistä materiaali- ja valmistusvirheistä kahden vuoden ajan kuitissa näkyvästä ostopäivämäärästä lukien. Takuun perusteella Siemens valintansa mukaan joko korjaa viallisen laitteen tai vaihtaa sen vastaavan tuotteeseen. Kuluvien osien (esim. akut, näppäimistö, kuoret) takuu on voimassa kuusi kuukautta ostopäivästä lukien.
- ◆ Takuun piiriin eivät kuulu tuotteen käyttäjän huolimattomuudesta ja/tai käyttöohjeiden noudattamisen laiminlyönnistä aiheutuneet viat.
- ◆ Takuun piiriin eivät kuulu myöskään valtuutettujen jälleenmyyjien tai käyttäjän itsensä suorittamat työt (esim. asennus, määritysten asettaminen, ohjelmien lataus). Takuu ei kata käyttöohjeita tai erikseen toimitettuja ohjelmia.
- ◆ Ostopäivämäärän sisältävä ostokuitti on esitettävä takuuvaatimuksen yhteydessä. Takuuvaatimus on esitettävä kahden kuukauden kuluessa siitä, kun takuuehtojen mukainen virhe on havaittu.
- ◆ Siemensin vaihtamat ja Siemensille palautetut laitteet ja osat ovat Siemensin omaisuutta.
- ◆ Tämä takuu koskee uusia laitteita, jotka on ostettu ja joita käytetään Euroopan Unionin alueella. Siemens Osakeyhtiö, osoite Majurinkatu 6, 02600 Espoo, Suomi myöntää tämän takuun Suomesta ostetuille tuotteille.
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- ◆ Laitteen vikatapauksessa pyydämme teitä ottamaan yhteyttä ensisijaisesti jälleenmyyjällemme.

Takuuta koskevista asioista kannattaa ottaa yhteyttä Siemensin asiakaspalveluun. Asiakaspalvelun puhelinnumero löytyy tuotteen mukana toimitettavista käyttöohjeista.

Kundservice (Customer Care)

Behöver du hjälp med telefonen kan du kontakta inköpsstället. Du är givetvis även välkommen att kontakta oss

www.my-siemens.com/customercare

Frågor kring nätet och tjänster ställs till din operatör.

HelpDesk 09-22943700

Se till att du har tillgång till kvittot.

I länder där vår produkt inte säljs via auktoriserade återförsäljare erbjuds ingen bytes- resp. reparationsgaranti. Gigaset är avsedd för användning i ditt land i enlighet med specifikationerna på undersidan av apparaten. Hänsyn har tagits till särskilda förhållanden i olika länder.

CE-märkningen bekräftar att apparaten uppfyller de grundläggande kraven i direktivet om radioutrustning och teleterminalutrustning.

Utdrag ur originaldeklarationen:

"We, Siemens AG, declare, that the above mentioned product is manufactured according to our Full Quality Assurance System certified by CETECOM ICT Services GmbH with the registration number "Q810820M" in compliance with ANNEX V of the R&TTE-Directive 99/05/EC. The presumption of conformity with the essential requirements regarding Council Directive 99/05/EC is ensured."

Senior Approvals Manager

The Declaration of Conformity (DoC) has been signed. In case of need, a copy of the original DoC can be made available via the company hotline.

CE 06820

Garantivillkor (Sverige)

Denna garanti begränsar inte de rättigheter som användaren (köparen) av enheten har gentemot återförsäljaren. Tillverkaren beviljar garanti för enheten och dess komponenter enligt följande garantivillkor:

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I ärenden som berör garanti lönar det sig att kontakta Siemens kundtjänst. Telefonnummer till kundtjänst finns i den medföljande bruksanvisningen.

Kundeservice (Customer Care)

Vår **online-brukerstøtte** på Internett:

www.my-siemens.com/customercare

I forbindelse med nødvendige reparasjonsarbeider eller evt. garantikrav får du rask og pålitelig bistand hos våre

servicesentre 22 70 84 00

Hold kjøpsdokumentet klart når du tar kontakt.

I land der vårt produkt ikke selges av autoriserte forhandlere, blir det ikke tilbudt utskiftings- eller reparasjonsarbeider.

Din Gigaset er godkjent for bruk i Norge, slik det fremgår av emballasjen og apparatet. Forhold som er spesifikke for landet er ivare tatt. Ved spørsmål som skyldes forskjeller mellom de offentlige telefonnettene må du ta kontakt med forhandler eller nettoperatør.

CE-merkingen bekrefter at apparatet er i samsvar med de grunnleggende kravene i EU-direktivet for aktivt telekommunikasjonsutstyr.

Utdrag fra originalerklæringen:

"We, Siemens AG, declare, that the above mentioned product is manufactured according to our Full Quality Assurance System certified by CETECOM ICT Services GmbH with the registration number "Q810820M" in compliance with ANNEX V of the R&TTE-Directive 99/05/EC. The presumption of conformity with the essential requirements regarding Council Directive 99/05/EC is ensured."

Senior Approvals Manager

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CE 0682!

Garanti (Norge)

Gyldighet

Denne apparatgarantien gjelder for sluttbrukeren ("Kunden"). Kundens lovfestede krav overfor forhandler/selger blir ikke ugyldiggjort eller begrenset av denne garantien.

- ◆ Garantien omfatter de leverte apparatene med alle tilhørende deler, men ikke installasjon, konfigurasjon og tjenester som er utført av forhandler. Håndbøker og evt. programvare på separate datamedier omfattes ikke av garantien. Denne garantien gjelder ikke for dekorerte deksler eller andre personaliserte deler eller programvare som ikke var en del av den opprinnelige leveransen. Garantien gjelder heller ikke for dekorerte over- eller underdeksler fra spesialserier.
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- ◆ Det kan ikke fremsettes garantikrav dersom
 - Mangelen eller skaden er oppstått på grunn av ukyndig bruk.

Som ukyndig bruk regnes blant annet følgende:

- Åpning av apparatet (regnes som fremmed inngrep)
 - Manipulering av enkeltkomponenter i komponentgruppen
 - Manipulering av programvaren
 - Mangler eller skader som er oppstått på grunn av fall, brudd, lynnedslag eller spilt væske. Dette omfatter også skader som er forårsaket av mekaniske, kjemiske, radiotekniske og termiske forhold (f. eks. mikrobølgeovn, badstu osv.).
 - Reparasjoner eller inngrep som er foretatt av personer som ikke er autorisert av oss.
 - Apparater som er utstyrt med ekstrautstyr eller tilbehør som ikke er godkjent av Siemens.
- ◆ Garantikrav må fremsettes umiddelbart etter at en feil/mangel er påvist.
 - ◆ Som garantibevis må kvittering eller kjøpsbevis kunne fremlegges. All garanti/reklamasjonskrav mottas med det uttrykkelige forbehold at det ved en senere kontroll kan bekreftes at garantibetingelsene er oppfylt.
 - ◆ Eiendomsretten til utskiftede apparater og deler tilhører oss.
 - ◆ Kostnadene for materialer og arbeidstid bæres av oss.
 - ◆ Vi er berettiget til å foreta tekniske endringer etter eget forgodtbefinnende for å oppgradere apparatet til gjeldende tekniske stand. Kostnadene ved dette blir ikke belastet kunden. Kunden har ingen rettslige krav på dette.
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Garantiperiode

- ◆ Lovfestede minimumsperioder for tilsvarende garantier vil alltid gå foran våre regler, men ikke mer enn 24 måneder.
- ◆ Garantiperioden begynner den datoen kunden kjøper apparatet.
- ◆ En utført garantiytelse medfører ikke at garantiperioden forlenges.
- ◆ Garantiytelser behandles over hele landet i våre kundeservicesentre.

Garantigiver er Siemens Aktiengesellschaft Tyskland, Schlavenhorst 88, D-46395 Bocholt.



Ved innfrielse av garantien ber vi deg kontakte ditt nærmeste "Kundeservice (Customer Care)" på side 59.

Serviço de Apoio Clientes (Customer Care)

O nosso **Serviço de Apoio a Clientes** na Internet:

www.my-siemens.com/customer-care

No caso de ser necessário reparar os equipamentos, que estejam dentro da garantia, poderá obter ajuda rápida e credível em:

Serviço de Apoio a Clientes

Telefone: 21 417 85 85

E-mail: customer.care@siemens.com

Por favor, conserve disponível o recibo da compra.

Para informações técnicas relacionadas com os equipamentos:

Hotline Siemens

Telefone: 808 201 521

E-mail: portuguese.helpdesk@siemenssg.com

Tenha à mão a factura de compra quando efectuar a chamada.

Nos países onde os nossos produtos não são vendidos por revendedores autorizados não são oferecidos quaisquer serviços de substituição ou reparação.

O seu Gigaset foi concebido para funcionar no seu país como está indicado na parte de baixo do aparelho. São consideradas particularidades específicas dos países.

A conformidade do aparelho com as exigências da directiva europeia R&TTE é comprovada pelo símbolo CE.

Extracto da declaração original:

"We, Siemens AG, declare, that the above mentioned product is manufactured according to our Full Quality Assurance System certified by CETECOM ICT Services GmbH in compliance with ANNEX V of the R&TTE-Directive 99/5/EC. The presumption of conformity with the essential requirements regarding Council Directive 99/5/EC is ensured"

Senior Approvals Manager

The Declaration of Conformity (DoC) has been signed. In case of need a copy of the original DoC can be made available via the company hotline.

CE 0682 

Garantia (Portugal)

Independentemente dos seus direitos por causa de defeitos perante o vendedor, ao consumidor (cliente) é concedida uma garantia do fabricante, sujeita aos seguintes termos e condições:

- ◆ Os equipamentos novos e os respectivos componentes que apresentarem defeito de fabrico dentro de 24 meses a partir da data da compra serão gratuitamente reparados ou substituídos por um equipamento que corresponda ao nível técnico actual. Fica ao critério da Siemens reparar ou substituir o equipamento. Para as peças sujeitas a desgaste (por ex. teclados, baterias, caixas), esta garantia tem validade de seis meses a partir da data da compra.
- ◆ Excluem-se desta garantia todos os danos causados por manuseamento incorrecto e/ou por inobservância das informações nos manuais.
- ◆ Esta garantia não é aplicável ou extensível a serviços executados por vendedores autorizados ou pelo próprio cliente (por ex., instalação, configuração, download de software). Manuais e software fornecidos num suporte de dados separado também estão excluídos da garantia.
- ◆ O talão de compra (com data) é válido para a comprovação da garantia. As reclamações devem ser apresentadas dentro de um mês após a constatação do defeito com direito a garantia.
- ◆ Os equipamentos ou componentes substituídos e devolvidos à Siemens passam a ser propriedade da Siemens.
- ◆ Esta garantia é válida para novos equipamentos adquiridos na União Europeia. A emissora da garantia é, para Produtos vendidos em Portugal Siemens S.A, Rua Irmão Siemens nº 1, 2720-093 Amadora
- ◆ Estão excluídos outros direitos adicionais ou diferentes dos referidos nesta garantia do fabricante. A Siemens não assume a responsabilidade por interrupções operacionais, lucros cessantes, danos indirectos, nem pela perda de dados, de software adicional instalado pelo cliente ou de outras informações. O cliente é responsável pelas cópias de segurança das suas informações. A exclusão da garantia não é válida nos casos em que a garantia seja obrigatória por lei, por exemplo, segundo a lei de responsabilidade civil do produtor, ou em casos de dolo, danos à saúde ou à vida.
- ◆ A duração da garantia não é prorrogada após a execução de um serviço no âmbito da garantia.
- ◆ A Siemens reserva-se o direito de cobrar do cliente os custos decorrentes de uma substituição ou de uma reparação que não sejam defeitos abrangidos pela garantia.
- ◆ As condições mencionadas nos parágrafos anteriores não estão vinculadas a uma alteração das regras do ónus da prova para a desvantagem do cliente.

Para exercer os seus direitos de garantia, contacte o serviço de assistência técnica por telefone da Siemens. Os números encontram-se no manual de utilização fornecido.

Glossary

Access Point

An Access Point, such as the Gigaset SE505 dsl/cable, is the centre of a wireless local network (WLAN). It handles the connection of the wireless linked network components and regulates the data traffic in the wireless network. The Access Point also serves as an interface to other networks, e.g. an already existing Ethernet LAN or via modem to the Internet. The operating mode of wireless networks with an Access Point is called Infrastructure mode.

Ad-hoc mode

Ad-hoc modus describes wireless local networks (WLAN) in which the network components set up a spontaneous network without an Access Point, e.g. several notebooks in a conference. All the network components are peers. They must have a wireless network adapter.

Bridge

A bridge connects several network segments to form a joint network, e.g. to make a TCP/IP network. The segments can have different physical characteristics, e.g. different connections such as Ethernet and wireless LANs. Linking individual segments via Bridges allows local networks of practically unlimited size.

See also Gateway, Hub, Router, Switch

Broadcast

A Broadcast is a data packet not directed to a particular recipient but to all the network components on the network. The Gigaset SE505 dsl/cable does not pass broadcast packets on; they always remain within the local network (LAN) it administers.

DHCP

Dynamic Host Configuration Protocol

DHCP handles the automatic assignment of IP addresses to network components. It was developed because in large networks – especially the Internet – the defining of IP addresses is very complex as participants frequently move, drop out or new ones join. A DHCP Server automatically assigns the connected network components (DHCP clients) dynamic addresses from a defined IP pool range thus saving a great deal of configuration work. It also allows address pools to be used more effectively: Since not all participants are on the network at the same time, the same IP address can be assigned to different network components in succession as and when required.

The Gigaset SE505 dsl/cable includes a DHCP Server and so it can automatically assign IP addresses for the PCs on its local network. You can specify special PCs so that their IP address will never change.

DHCP Server

See DHCP

DNS

Domain Name System

DNS permits the assignment of IP addresses to computer or domain names that are easier to remember. A DNS server has to administer this information for each LAN with an Internet connection. As soon as a page on the Internet is called up, the browser obtains the corresponding IP address from the DNS Server so that it can establish the connection.

On the Internet the assignment of Domain names to IP addresses follows a hierarchical system. A local PC only knows the address of the local Name Server. This in turn knows all the addresses of the computers in the local network and the next higher Name Server, which again knows addresses in its network and that of the next Name Server.

DNS Server

See DNS

Domain name

The domain name is the reference to one or more web servers on the Internet. The domain name is mapped via the DNS service to the corresponding IP address.

DSL

Digital Subscriber Line

DSL is a data transmission technology in which a connection to the Internet can be run at 1.5 Mbps over normal telephone lines. A DSL connection is provided by an Internet provider. It requires a DSL modem.

Dynamic IP address

A dynamic IP address is assigned to a network component automatically via DHCP. This allows the IP address of a network component to **change** every time it logs on or in certain time intervals.

See also Static IP address

Encryption

Encryption protects confidential information against unauthorised access. With an encryption system data packets can be sent securely over a network. The Gigaset PC Card 54 and the Gigaset PCI Card 54 can use WEP encryption for secure data transmission over wireless networks.

Ethernet

Ethernet is the most widely-distributed network technology for local networks. It was defined by IEEE as standard 802.3. Ethernet uses a base band cable for data transmission with a transmission speed of 10 or 100 Mbps.

Gateway

A gateway is a device for connecting networks with completely different architectures (addressing, protocols, application interfaces etc.). Although it is not totally correct, the term is also used as a synonym for router.

See also Bridge, Hub, Router, Switch

Hub

A hub connects several network components in a star-topology network by sending all the data it receives from one network component to all the other network components.

See also Bridge, Gateway, Router, Switch

IEEE

Institute of Electrical and Electronics Engineers

IEEE is an international body for defining network standards, especially for standardising LAN technologies, transmission protocols and speeds, and wiring.

IEEE 802.11

IEEE 802.11 is a standard for wireless 2.4-GHz band LANs. In Infrastructure mode, end devices can be connected to a base station (Access Point) or connect with each other spontaneously (Ad-hoc mode).

Infrastructure mode

Infrastructure mode is a way of operating wireless local networks (WLAN), in which an Access Point handles the data traffic. Network components cannot establish a direct connection with each other as is the case in Ad-hoc mode.

Internet

The Internet is a wide-area network (WAN) linking several million users around the world. A number of protocols have been defined for exchanging data known by the name TCP/IP. All participants on the Internet are identifiable by an IP address. Servers are addressed by a domain name (e.g. siemens.com). Domain Name Service (DNS) is used to assign domain names to IP addresses.

Among the most important Internet services are:

- ◆ electronic mail (email)
- ◆ the World Wide Web (WWW)
- ◆ file transfer (FTP)
- ◆ discussion forums (Usenet / Newsgroups)

Internet Service Provider

An Internet Service Provider offers access to the Internet for a fee.

IP

Internet Protocol

The IP protocol is one of the TCP/IP protocols. It is responsible for the addressing of participants in a network using IP addresses and routes data from the sender to the recipient. It decides the paths along which the data packets travel from the sender to the recipient in a complex network (routing).

IP address

An IP address is a network-wide unique address of a network component in a network based on the TCP/IP protocol (e.g. in a local network (LAN) or on the Internet). The IP address has four parts (decimal numbers) separated by periods (e. g. 192.168.1.1). The IP address comprises the network number and the computer number. Depending on the subnet mask one, two or three parts form the network number, the remainder the computer number. You can find out the IP address of your PC using the `ipconfig` command.

IP addresses can be assigned manually (see Static IP address) or automatically (see Dynamic IP address).

On the Internet domain names are normally used instead of the IP addresses. DNS is used to assign domain names to IP addresses.

ISP

Internet Service Provider see Internet Service Provider

LAN

Local Area Network

A local network links network components so that they can exchange data and share resources. The physical range is restricted to a particular area (a site). As a rule the users and operators are identical. A local network can be connected to other local networks or a wide-area network (WAN) such as the Internet.

Mbps

Million bits per second

Specification of the transmission speed in a network.

MAC address

Media Access Control

The MAC address is used for the globally unique identification of a network adapter. It comprises six parts (hexadecimal numbers), e. g. 00-90-96-34-00-1A. The MAC address is assigned by the network adapter manufacturer and cannot be changed.

Network

A network is a group of devices connected in wired or wireless mode so that they can share resources such as data and peripherals. A general distinction is made between local networks (LAN) and wide-area networks (WAN).

Network adapter

The network adapter is the hardware device that implements the connection of a network component to a local network. The connection can be wired or wireless. A wired network adapter is for example an Ethernet network card. Wireless network adapters are the Gigaset PC Card 54 and the Gigaset PCI Card 54, for example.

A network adapter has a unique address, the MAC address.

Protocol

A protocol describes the agreements for communicating on a network. It contains rules for opening, administering and closing a connection, about data formats, time frames and error handling. Communications between two applications require different protocols at various levels, e.g., the TCP/IP protocols for the Internet.

Roaming

To expand the range of the local wireless network for roaming, multiple Access Points are implemented which use the same SSID and channel number, and are connected with each other via Ethernet. The PCs of the network can change dynamically between several Access Points without an existing network connection being interrupted.

Router

A router directs data packets from one local network (LAN) to another via the fastest route. A router permits networks with different network technologies to be connected. For example, it can link a local network with Ethernet or WLAN technology to the Internet.

See also Bridge, Gateway, Hub, Switch

SSID

Service Set Identifier

The SSID is used to identify the stations of a wireless network (WLAN). All wireless network components with the same SSID form a common network. The SSID can be assigned by the network operator.

Static IP address

A static IP address is assigned to a network component manually during network configuration. Unlike a dynamic address, a static IP address never changes.

See also Dynamic IP address

Subnet mask

The subnet mask determines how many parts of the IP addresses of a network represent the network number and how many parts represent the computer number.

The subnet mask administered by the Gigaset SE505 dsl/cable is always 255.255.255.0. That means the first three parts of the IP address form the network number and the final part is used for assigning computer numbers. The first three parts of the IP address of all network components are in this case always the same.

Subnetwork

A subnetwork divides a network into smaller units.

Switch

A switch, like a hub, is an element for linking different network segments or components. Unlike a hub, the switch has its own intelligence that enables it to further packets to only that subnetwork or network component they are meant for.

See also Bridge, Gateway, Hub, Router

UDP

User Datagram Protocol

UDP is a protocol of the TCP/IP protocol family that handles data transport between two communication partners (applications). Unlike TCP, UDP is a non-session based protocol. It does not establish a fixed connection. The data packets, called datagrams, are sent as a broadcast. The recipient is responsible for making sure the data is received. The sender is not notified about whether it is received or not.

WAN

Wide Area Network

A WAN is a network that is not restricted to one particular area, such as the Internet. A WAN is run by one or more public providers to enable private access. You access the Internet via an Internet provider.

WEP

Wired Equivalent Privacy

WEP is a security protocol defined in the IEEE 802.11 standard. It is used to protect wireless transmissions in a WLAN against unauthorised access through encryption of the data transmitted.

Wireless network

See WLAN

WLAN

Wireless LAN

Wireless LANs enable network components to communicate with a network using radio waves as the transport medium. A wireless LAN can be connected as an extension to a wired LAN or it can form the basis for a new network. The basic element of a wireless network is the cell. This is the area where the wireless communication takes place. A WLAN can be operated in Ad-hoc mode or Infrastructure mode.

WLAN is currently specified in standard IEEE 802.11. The Gigaset WLAN-Adapter complies with standard 802.11g.

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