

SIEMENS



Gigaset WLAN Camera

Gigaset

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For your Safety

Safety Precautions

- ◆ The Gigaset WLAN Camera is suitable for indoor use only.
- ◆ Do not install the unit during a thunderstorm. Cable connections should also not be made or detached in order to avoid the risk of electric shocks.
- ◆ Only use the mains adapter (5 V) that is supplied with the Gigaset WLAN Camera. Comply with the connection values and ratings when connecting the device to the mains.
- ◆ Protect the equipment from moisture.
- ◆ Never open the unit. For electrical safety reasons it may only be opened by authorised service technicians.
- ◆ Disconnect the unit from electricity mains before cleaning.
- ◆ The Gigaset WLAN Camera may affect medical equipment. Take account of the technical conditions in the relevant environment.
- ◆ Make sure you include this User Guide and the CD-ROM when you pass on your Gigaset WLAN Camera to someone else.

Notes on the User Guide

User guide

You can also print out the whole user guide, which can be found in *.pdf format on the CD-ROM supplied. To read the user guide you will need the Adobe Reader program, which you can install directly from the CD-ROM. For installation, you have a double click on the CD-ROM drive:\Adobe Acrobat Reader\AdbeRdr60_enu_full.exe

➔ Read the user guide carefully before using for the first time.

Up to date information

The Gigaset WLAN Camera CD-ROM also includes the file **readme.txt**. This contains further important information that only became available after the manual had been printed.

➔ Read the additional information contained in the file **readme.txt** carefully.

➔ Also note the product information on the Internet at <http://www.siemens.com/gigasetwlancamera>

Trademarks

Windows 2000, Windows XP, Windows Media Player and Windows Internet Explorer are registered trademarks of the Microsoft Corporation.

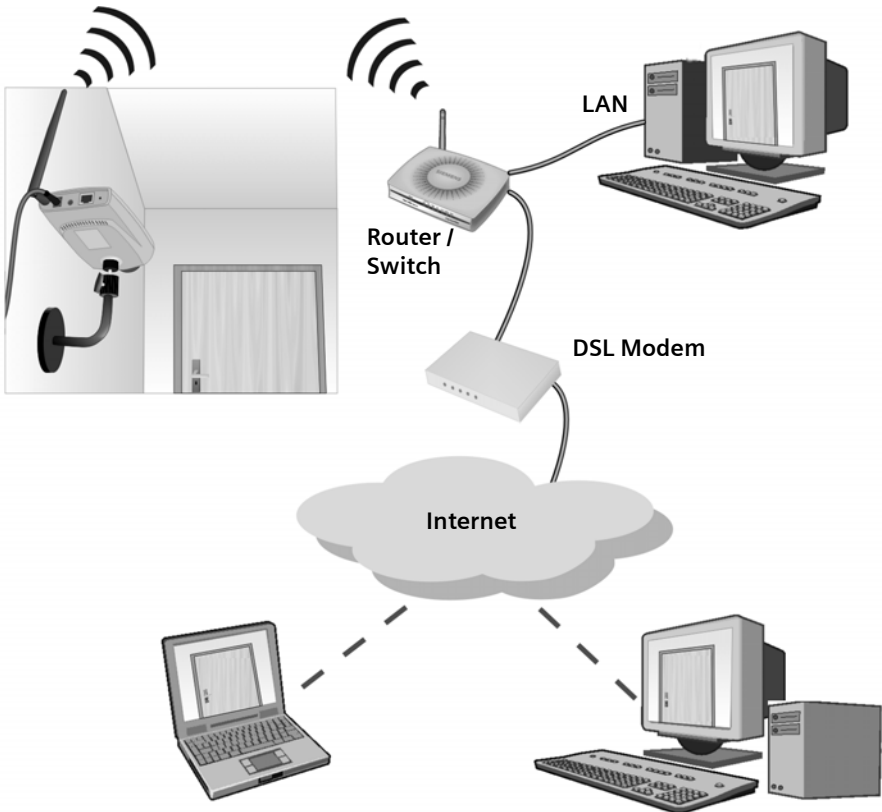
Adobe Reader is a registered trademark of Adobe Systems Incorporated.

Introduction

The Gigaset WLAN Camera has an integrated microcomputer and a high-quality CMOS digital image sensor. Therefore it is able to display high-quality live streaming video over your wired LAN, the Internet and an 802.11g Wireless LAN.

Using enhanced MPEG-4 technologies, the Gigaset WLAN Camera is able to stream high-quality video and audio directly to your PC. The high compression capabilities of MPEG-4 reduce network bandwidth requirements to amazingly low levels.

A convenient and user-friendly Windows program is provided for both viewing and recording video. If necessary, you can even view video using your web browser.



Features

- ◆ **Standalone design** – The Gigaset WLAN Camera is a standalone system with built-in CPU and video encoder. It requires only a power source and a connection to your LAN or Wireless LAN.
- ◆ **Suitable for home, business or public facilities** – Whether for home, business or public facility surveillance, or just for entertainment and fun, the Gigaset WLAN Camera has the features you need.
- ◆ **Multi-protocol support** – Supporting TCP/IP networking, SMTP (e-mail), HTTP and other Internet related protocols, the Gigaset WLAN Camera can be easily integrated into your existing network.
- ◆ **Easy configuration** – A Windows-based wizard is provided for initial setup. Subsequent administration and management can be performed using a standard web browser. The administrator can configure and manage the Gigaset WLAN Camera via the LAN or Internet.
- ◆ **Viewing & recording facility** – A user-friendly Windows utility is provided for viewing live video. For periods when you are absent, or for scheduled recording, this application also allows you to record video to an ASF file on your PC. The recorded files are in a standard Windows media format and are thus usable by a wide variety of programs if required.
- ◆ **Motion detection** – This feature will send you an e-mail when motion is detected. The Gigaset WLAN Camera will compare consecutive frames to detect changes caused by the movement of large objects. This function only works indoors due to the sensitivity of the CMOS sensor. If desired, a short video can be included as an attachment to the e-mail.
- ◆ **Audio support** – You can listen as well as look! Audio is included with the video if desired. You can use either the built-in microphone or an external microphone.

Internet Features

- ◆ **User-definable HTTP port number** – This allows Internet gateways to use "port mapping" so the Gigaset WLAN Camera and a web server can share the same Internet IP address.
- ◆ **DDNS support** – In order to view video over the Internet, users must know the Internet IP address of the gateway used by the Gigaset WLAN Camera. But if the gateway has a dynamic IP address, DDNS (Dynamic DNS) is required. Since many existing gateways do not support DDNS, this function is incorporated into the Gigaset WLAN Camera.
- ◆ **NTP (Network-Time-Protocol) support** – NTP allows the Gigaset WLAN Camera to calibrate its internal clock from an Internet time server. This ensures that the time stamp on video from the Gigaset WLAN Camera will be correct.

Security Features

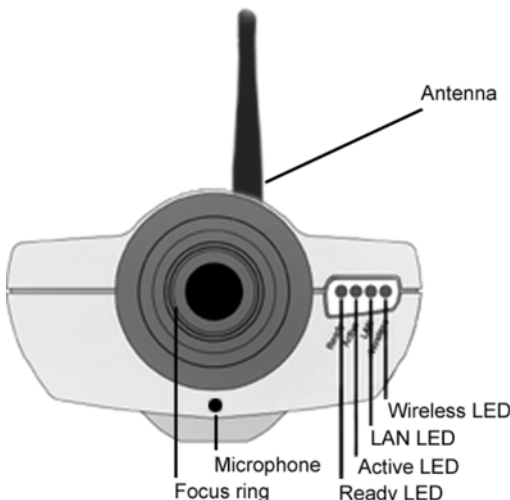
- ◆ **User authentication** – If desired, access to live video can be restricted to known users. Users have to enter their user name and password before being able to view the video stream. Up to 20 users can be entered.
- ◆ **Password-protected configuration** – Configuration data can be password protected, so that it can only be changed by the Gigaset WLAN Camera administrator.

Wireless Features

- ◆ **Standards compliant** – The wireless router complies with the IEEE802.11g (DSSS) specifications for Wireless LANs.
- ◆ **Supports both 802.11b and 802.11g wireless stations** – The 802.11g standard provides for backward compatibility with the 802.11b standard, so both 802.11b and 802.11g wireless stations can be used simultaneously.
- ◆ **Speeds to 54 Mbps** – All speeds up to the 802.11g maximum of 54 Mbps are supported.
- ◆ **Wired and wireless network support** – The Gigaset WLAN Camera supports both wired and wireless transmission.
- ◆ **WEP support** – Full WEP support (64-/128-bit) on the wireless interface is provided.
- ◆ **WPA-PSK support** – Security for your WLAN due to dynamically changing keys.

Physical Details

Front Panel



Antenna

The antenna is adjustable; best results are usually obtained with the antenna positioned vertically.

Focus ring

Normally, it is not necessary to adjust the focus. The default focus range is from 1 meter (3 feet) to infinity. If the image is not clear, try adjusting the focus.

Microphone

The built-in microphone is mounted on the front. There is also a connection for an external microphone on the rear. Connecting an external microphone will disable the built-in microphone.

Introduction

Ready LED

On – Power on.

Off – No power.

Blinking – The Ready LED will blink during start up. This will take 15 to 20 seconds.

Active LED

Off – Idle.

Blinking – Gigaset WLAN Camera is providing a live video stream to at least one viewer.

LAN LED

On – LAN port is connected to a hub or switch.

Off – LAN port is not connected.

Blinking – Data is being transmitted or received via the LAN port.

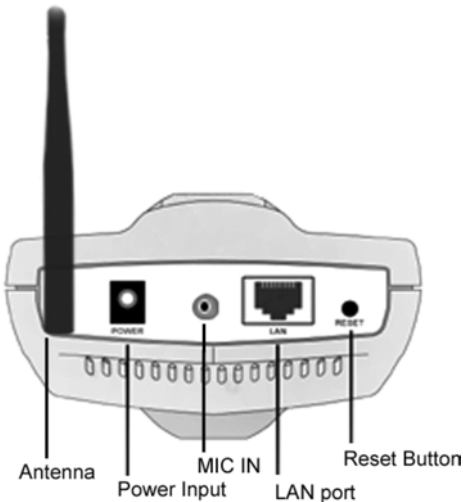
Wireless LED

On – Wireless interface is active.

Off – Wireless interface is not available.

Blinking – Data is being transferred via the wireless interface.

Rear Panel



Antenna

Attach the supplied antenna here.

Power Input

Connect the supplied power adapter here.

MIC IN

If required, an external microphone can be attached here. Attaching a microphone here will disable the built-in microphone on the front. Microphones designed to be used with PCs are usually compatible with this microphone input.

LAN port

Use a standard LAN cable to connect your Gigaset WLAN Camera to a 10/100BaseT hub or switch.

Note:

On the Gigaset WLAN Camera, attaching the LAN cable will disable the wireless interface. Only 1 interface can be active at any time.

Reset Button

This button has two functions:

- ◆ **Restore default IP address:** When pressed and released, the Gigaset WLAN Camera will reset its IP address to the default value of 192.168.2.252.
- ◆ **Restore default IP address, administrator ID and administrator password:** When pressed and held for 3 seconds, the IP address, administrator ID and administrator password settings will be set to their default values.
 - IP address: 192.168.2.252
 - Administrator ID: admin
 - Administrator password: null (no password)

Note:

When the process is completed, the **Ready LED** will blink three times to confirm that the reset was completed successfully.

Package Contents

The following items should be included: If any of these items are damaged or missing, please contact your dealer immediately.

1. Gigaset WLAN Camera
2. CD-ROM with software and User Guide (english)
3. Quick Installation Guide
4. Power adapter
5. Base, stand and swivel connector
6. Extender unit
7. Mounting screws
8. Antenna

Basic Setup

Safety instructions for connection

- ◆ Never use damaged or unapproved cables.
- ◆ Connect the unit to the sockets provided only using approved cables and plugs. Connect only approved accessories.
- ◆ Lay the cables in such a way that nobody can tread on or trip over them.
- ◆ Connect the unit only with the supplied mains cable.
- ◆ Connect the unit only to sockets that correspond to the values shown on the rating plate.

System Requirements

- ◆ PC with a LAN interface 10/100BaseT hub or switch – for the configuration.
- ◆ Ethernet cable (CAT-5) – for connecting the camera to the hub/switch.
- ◆ To use the wireless interface on the Gigaset WLAN Camera, other wireless devices must be compliant with the IEEE802.11b or IEEE802.11g specifications. All wireless stations must use compatible settings.
- ◆ Web browser with ActiveX 8.0, e.g. Internet Explorer, min. V6. For configuration you can use any web browser, for viewing live pictures you need the ActiveX Plugin.
- ◆ Windows 98 SE, Windows 2000, Windows ME, Windows XP

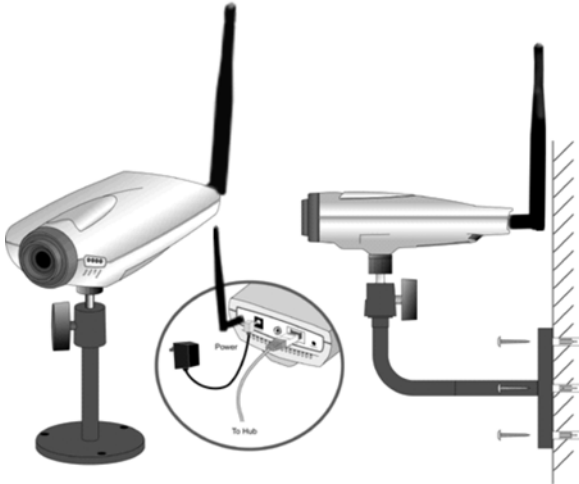
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If you already have installed the Gigaset WLAN Camera on your PC, you have to uninstall it. Please see chapter "Uninstalling Software" on page 12.

Mounting and connecting the Gigaset WLAN Camera



Protect the Gigaset WLAN Camera against falling down. Even during installation, mount the stand and secure it against tilting.



- ➔ Mount the camera on the supplied base and stand.
 - Join the base, stand and swivel connector to the camera, as shown in the diagram above.



The thread of the camera is the same as that of a standard tripod, instead of the supplied accessory you can use your tripod for mounting.

- ➔ Connect the LAN cable.
 - Connect the Gigaset WLAN Camera to a 10/100BaseT hub or switch.



Connecting the LAN cable disables the wireless interface, because only one interface can be active. The LAN interface is recommended for initial configuration.

The default wireless settings for the Gigaset WLAN Camera are:

Mode: Infrastructure

SSID: ANY

Security features: Disabled

- ➔ Adjust the antenna.
 - Screw the antenna to the rear mounting point.
 - Set the antenna to the upright position to improve wireless reception.

Basic Setup

- ➔ Power up.
 - Connect the supplied power adapter to the Gigaset WLAN Camera and power up. Use only the power adapter provided. Using a different one may cause hardware damage.
- ➔ Check the LEDs.
 - The **Ready LED** will turn on briefly, then start blinking. It will blink during startup, which takes 15 to 20 seconds. When startup is completed, the **Ready LED** should remain **ON**.
 - The **Active LED** should be **OFF**. It will flash when anyone is viewing live video.
 - Either the **LAN LED** OR the **Wireless LED** should be **ON**.

Uninstalling Software

Before you install the Gigaset WLAN Camera software, you have to uninstall former versions of the software.

- ➔ Shut down all currently running programs.
- ➔ Open the control panel of your operating system.
- ➔ Double click Add/Remove Programs.
- ➔ Highlight the software, that should be uninstalled, and click Install/Uninstall (or Change/Remove).
- ➔ Follow the prompts to uninstall the software.

Installing the Gigaset WLAN Camera

Installation information

- ◆ In the Windows 2000 and Windows XP operating systems, you must be logged in as a user with administration rights. Contact your system administrator for details if necessary.
- ◆ Before installing the Gigaset Wireless Camera software, read the information under "System Requirements" on page 10.

Configuring with the Basic Setup

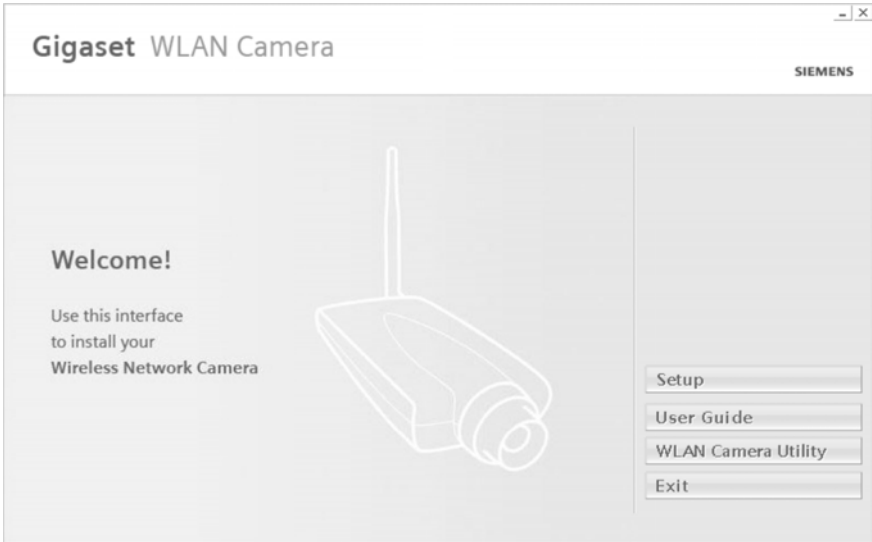
Initial setup should be performed using the supplied Windows-based setup wizard. This program can locate the Gigaset WLAN Camera even if its IP address is invalid for your network. You can then configure the Gigaset WLAN Camera with appropriate TCP/IP settings for your LAN.

Subsequent administration can be performed with your web browser, as explained in the chapter "Advanced Viewing Setup" on page 20.

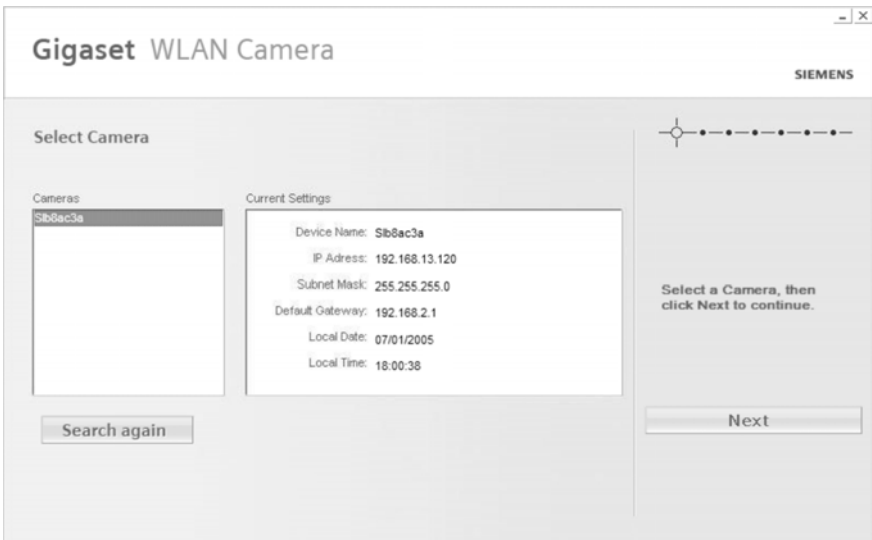
Setup Procedure

- ➔ Insert the supplied CD-ROM into your drive. If the setup program does not start automatically, run **wlancamera_setup.exe** in the root folder.

You will see the **Welcome** screen shown below.



- ➔ Click the **Setup** button to start the setup wizard. The next screen, shown below, will list all the cameras on your LAN.

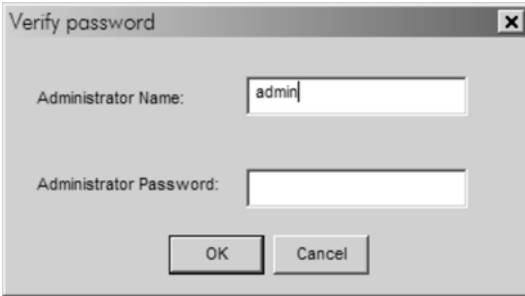


Basic Setup

- ➔ Select the desired camera from the list on the left. The current settings for the selected camera will be displayed in the table on the right.
- ➔ Click **Next** to continue.

Then you will be prompted to enter the administrator ID and password.

- ➔ If using the default values, enter **admin** for the name, leave the password field blank and click on **OK**.
- ➔ Otherwise, enter the administrator ID and password set on the User screen and click on **OK**.

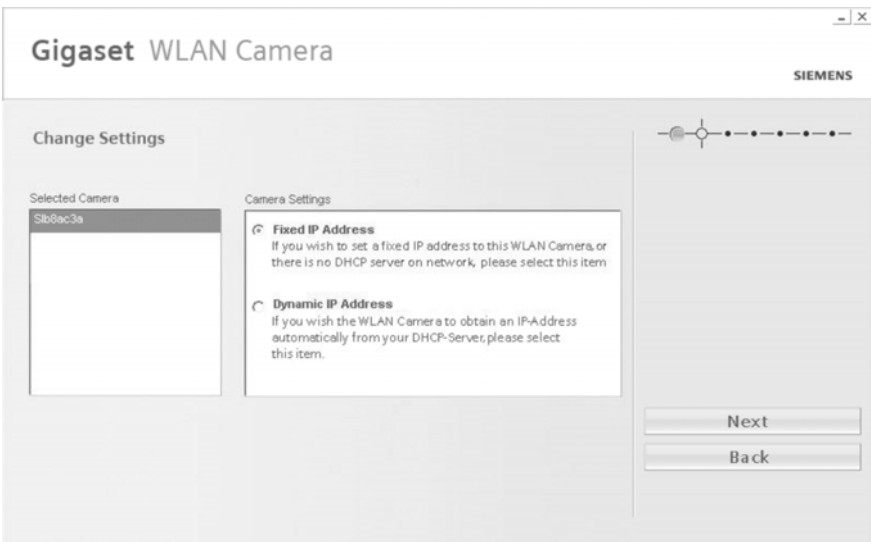


A dialog box titled "Verify password" with a close button (X) in the top right corner. It contains two input fields: "Administrator Name:" with the text "admin" entered, and "Administrator Password:" which is empty. Below the fields are two buttons: "OK" and "Cancel".

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The administrator ID and password can be set on the **User** screen of the web interface. The web interface can be accessed via the **Web UI** button on the final screen of the wizard.

- ➔ On the following TCP/IP screen, shown below, choose **Fixed IP Address** or **Dynamic IP Address**.



The screenshot shows the "Gigaset WLAN Camera" web interface. The title bar includes "Gigaset WLAN Camera" and "SIEMENS". The main content area is titled "Change Settings". On the left, under "Selected Camera", a list shows "Sib8ac3a". On the right, under "Camera Settings", there are two radio button options: "Fixed IP Address" (selected) and "Dynamic IP Address". Below each option is a short explanatory text. At the bottom right, there are two buttons: "Next" and "Back". A progress indicator at the top right shows a series of dots, with the first dot highlighted.

- **Fixed IP Address** is recommended; a fixed IP address can be reserved in every LAN.
- You choose **Dynamic IP Address**, if your LAN has a DHCP server.

➔ Click **Next** to continue.

If you chose **Dynamic IP Address**, the server settings will be displayed.

If you chose **Fixed IP Address**, the following TCP/IP settings screen will be displayed.

The screenshot displays the 'TCP/IP Settings' configuration page for a Gigaset WLAN Camera. The interface includes a 'Selected Camera' dropdown menu showing 'Sib9ac3a'. The 'Camera Settings' section is divided into several rows of input fields:

- IP Address:** 192 . 168 . 13 . 120
- Subnet Mask:** 255 . 255 . 255 . 0
- Default Gateway:** 192 . 168 . 2 . 1
- Primary DNS:** 194 . 25 . 2 . 129
- Secondary DNS:** 192 . 168 . 114 . 1

At the bottom right, there are two buttons: 'Next' and 'Back'. The Siemens logo is visible in the top right corner of the window.

- **IP Address** – Enter an unused IP address from within the address range used on your LAN.
- **Subnet Mask, Default Gateway** – The Subnet Mask and Default Gateway fields must match the values used by PCs on your LAN.
- **Primary DNS** – The primary DNS address is required in order to use the E-Mail Alert or Dynamic DNS features. Enter the DNS (Domain Name Server) address recommended by your Internet Service Provider.
- **Secondary DNS** – The secondary DNS is optional. If provided, it will be used if the Primary DNS is unavailable.

➔ Click **Next** to continue.

Basic Setup

Wireless settings

➔ If required, you configure the Wireless Settings as follows:

The screenshot shows the 'Gigaset WLAN Camera' configuration window. The title bar includes the text 'Gigaset WLAN Camera' and 'SIEMENS'. The main content area is titled 'Wireless Settings'. On the left, under 'Selected Camera', a list contains 'S1b9ac3a'. The 'Wireless Settings' section contains the following fields:

- Mode: Infrastructure (dropdown)
- Authentication Type: Open System (dropdown)
- SSID: ANY (text input)
- Domain: Europe (dropdown)
- Channel: -- (dropdown)

At the bottom right, there are two buttons: 'Next' and 'Back'. A progress indicator at the top right shows a series of dots, with the second dot from the left being filled, indicating the current step in the setup process.

- **Mode** – If you have an Access Point, select **Infrastructure**. Otherwise, select **Ad Hoc**.
- **Authentication Type** – Select the value used on your WLAN.
- **SSID** – Enter the value used by your other wireless devices.
- **Domain** – Select the domain to match your location.
- **Channel** – For Ad Hoc mode, select the channel used by your other wireless devices.
(For Infrastructure mode, the Access Point determines the channel used.)

➔ Click **Next** to continue to the encryption settings, shown below.

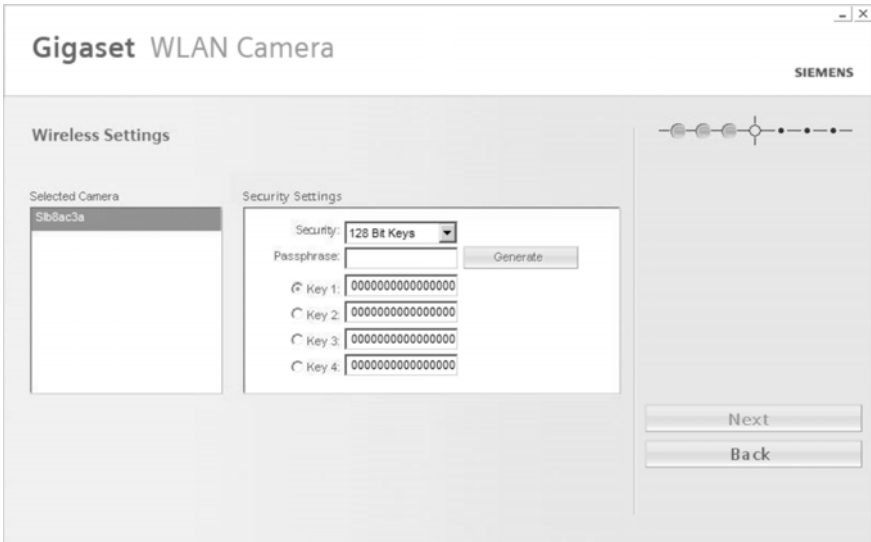
WLAN Encryption

To prevent your WLAN from unauthorised access, you should activate encryption on your WLAN. Depending on the security settings of the other components of your WLAN you choose one of the following encryption methods:

- ◆ WEP 64-bit keys
- ◆ WEP 128-bit keys
- ◆ WPA-PSK encryption (recommended)



All components of a WLAN must have the same security settings (encryption method and keys).



WEP encryption

- ➔ Choose either **64 Bit Keys** or **128 Bit Keys**, depending on the settings of the other WLAN components.
- ➔ Enter the key, that is used by your other WLAN components.
 - **Passphrase** – Enter the string, with which you generated the key for the other WLAN components. Then click **Generate**.
The generated key will be inserted into the field **Key 1**.
- Or
 - **Keys** – Activate one of the fields and enter the key.
- ➔ If required, enter more keys.
- ➔ Click **Next** to continue with the camera settings.

WPA encryption

The WPA encryption generates keys using TKIP (Temporal Key Integrity Protocol). TKIP consists of various keys and has the advantage, that the components of a WLAN use different keys. The keys will be generated and renewed automatically.

- ➔ Enter that key in the **Pre-Shared Key** field, that you used for WPA encryption of your WLAN router.
- ➔ Click **Next** to continue with the camera settings.

Basic Setup

Gigaset WLAN Camera SIEMENS

Camera Settings

Selected Camera: Sib8ac3a

Current Settings:

Device Name: Sib8ac3a

Description: Gigaset WLAN Camera

Time Zone: (GMT+01:00) Amsterdam, B

Local Date: 07 / 01 / 2005 (D/M/Y)

Local Time: 6 : 00 PM

- ➔ This screen allows you to enter a suitable **Description** and set the correct **Time Zone, Date** and **Time**. Make any desired changes, then click **Next** to continue. The next screen displays all details of the Gigaset WLAN Camera.

Gigaset WLAN Camera SIEMENS

Save Settings

Selected Camera: Sib8ac3a

Camera Settings:

Device Name: Sib8ac3a

IP Address: 192.168.13.120

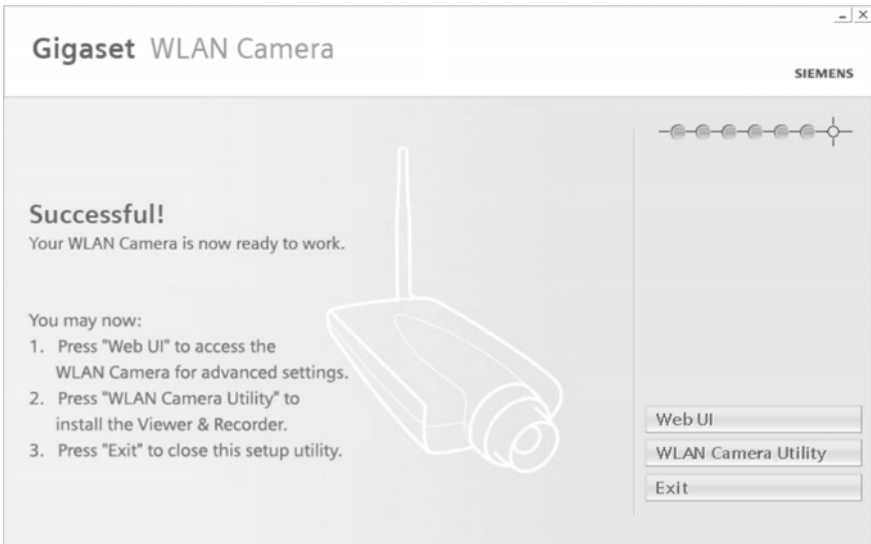
Subnet Mask: 255.255.255.0

Default Gateway: 192.168.2.1

Local Date: 07/01/2005

Local Time: 18:00:00

- ➔ Click **Back** to modify any incorrect values.
- Or
- ➔ Click **Save** if the settings are correct.
- ➔ Click **OK**, then you will see the screen below.



➔ If desired, you can click the **Web UI** button to connect to the camera using your web browser.

Or

➔ Click **WLAN Camera Utility** for installing the Viewing & Recording tool, please refer to chapter "Installing the WLAN Camera Utility" on page 53.

Or

➔ Click **Exit** to end the wizard.
Setup is now complete.

Advanced Viewing Setup

After finishing setup via the Windows-based wizard, the Gigaset WLAN Camera can immediately be used by all users on your LAN.

Refer to chapter "Viewing & Recording" on page 53 for details on viewing and recording live video.

This chapter describes some additional settings and options for viewing live video:

- ◆ Adjusting the video image
- ◆ Controlling user access to the live video stream
- ◆ Making video available from the Internet
- ◆ Using the Motion Detection/E-Mail feature

Adjusting the Video Image

If necessary, the Gigaset WLAN Camera administrator can adjust the video image. Settings are provided for:

- ◆ **Resolution** – Select the desired size. The larger sizes require greater bandwidth.
 - ◆ **Image Quality** – This determines the degree of compression applied to the video stream. Higher quality requires greater bandwidth.
 - ◆ **Power line frequency** – Select 50 Hz power line frequency, as used in your region. The correct setting will improve the picture quality under fluorescent lighting.
 - ◆ **Brightness** – Adjust the brightness of the image, if the automatic setting does not give satisfactory results.
 - Red, Green, Blue intensity can be adjusted.
 - ◆ **Time Stamp** – If enabled, the time will be displayed on the video image.
 - ◆ **Text Overlay** – If enabled, up to 20 characters can be superimposed on the video image. This is useful for identifying the camera.
 - ◆ **Audio** – If desired, audio can be included in the video stream.
- ➔ Connect to the web-based interface of the Gigaset WLAN Camera. (See chapter "Web-based Management" on page 32 for details.)
- ➔ In the **Administration** menu, select **Image**. You will see the screen below.



➔ Make the required adjustments:

Video Settings

Resolution Select the desired video resolution. The default resolution is set to **320 x 240**.

Image Quality Select the desired image quality. The default image quality is set to **Normal**.

Note: Higher image quality requires more bandwidth.

Power line frequency Select the power line frequency (**50 Hz** or **60 Hz**) used in your region, to improve the picture quality under fluorescent lighting.

Advanced Viewing Setup

Adjustments

Brightness

Select **Automatic** or **Manual**.

The default is set to **Automatic** in which case the camera will automatically adjust the brightness based on the current environment.

Select **Manual** if you want to adjust the brightness manually. You can then enter the desired values.

Red, Green, Blue

Adjust these colour settings to the preferred values.

Note: When **Automatic** is selected, this setting will not take effect.

Default button

Clicking this will set all the **Adjustment** fields to their default values.

Options

Time Stamp

Tick the check box if you want the time to be displayed on the video image.

Text Display

If you want text to be displayed on the video image, enable this feature by ticking the checkbox. You can enter text up to 20 characters. This feature is often used to identify a camera when multiple cameras are installed.

Audio

If you want audio to be included with the video, enable this option. Some bandwidth will be allocated to the audio stream. In some situations, this may affect the quality of the video.

➔ Click on **Preview Video** to check your settings.

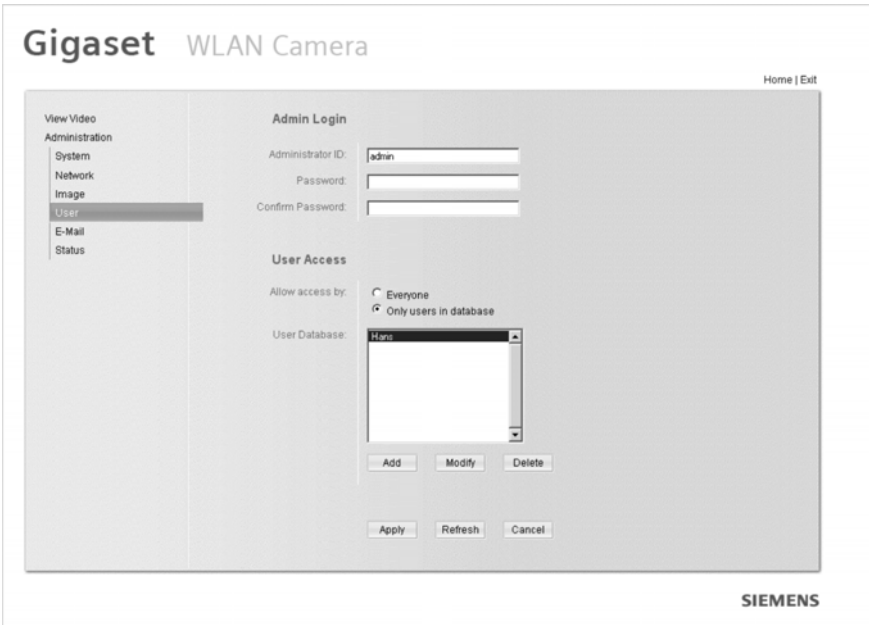
➔ Click on **Apply** to save your changes.

Controlling User Access to the Video Stream

By default, all users can connect to the Gigaset WLAN Camera and view live video. If desired, you can limit access to known users, by requiring all users to log in to the Gigaset WLAN Camera with their individual user name and password.

Enabling the Feature

- ➔ Connect to the web-based interface of the Gigaset WLAN Camera. (See chapter "Web-based Management" on page 32 for details.)
- ➔ In the **Administration** menu, select **User**.
- ➔ Select the setting **Allow access by: Only users in database**, as shown below.



- ➔ To add users to the database, click the **Add** button and enter the name and password for each user.

Operation

- ◆ When users connect, they will be prompted for their **user** name and password. They must enter the name and password defined on the **User** screen above.
- ◆ If using the Windows WLAN Camera Utility, the user name and password can be entered into the program, so that users do not need to provide the login data each time.

Making Video available from the Internet

If your LAN is connected to the Internet, typically by a broadband gateway/router and broadband modem, you can make the Gigaset WLAN Camera available via the Internet.

The Gigaset WLAN Camera configuration does NOT have to be changed, unless:

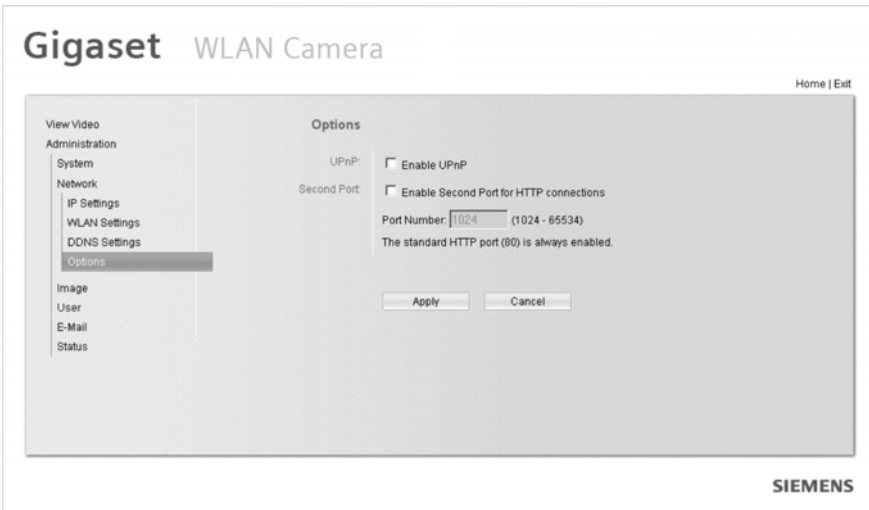
- ◆ You wish to change the port number from the default value (80).
- ◆ You wish to use the DDNS (Dynamic DNS) feature of the Gigaset WLAN Camera.

Configuring a Second Port

Normally, HTTP (web) connections use port 80. Since the Gigaset WLAN Camera uses HTTP, but port 80 is likely to be used by a web server, you can use a different port for the Gigaset WLAN Camera. This port is called the "Second Port". (The first port is port 80.)

The default "Second Port" number is 1024. If you prefer to use a different port number, proceed as follows:

- ➔ Connect to the web-based interface of the Gigaset WLAN Camera.
- ➔ In the **Administration** menu, select **Network** and then **Options**.



The **Network – Options** screen is part of the web-based administration interface. See chapter "Web-based Management" on page 32 for further details on using this interface.

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Viewers need to know this port number in order to connect and view live video, so you must inform viewers of the current port number.

Router/Gateway Setup

Your router or gateway must be configured to pass incoming TCP (HTTP) connections (from viewers) to the Gigaset WLAN Camera. The router/gateway uses the **Port Number** to determine which incoming connections are intended for the Gigaset WLAN Camera. This feature is normally called "Port Forwarding" or "Virtual Servers", and is illustrated below. The Port Forwarding/Virtual Server entry tells the router/gateway that incoming TCP connections on port 1024 should be passed to the Gigaset WLAN Camera. If necessary, check the user manual for your router/gateway for further details.

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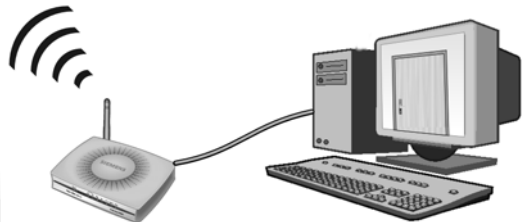
If you are using more than one camera, each camera needs an own second port.

Example: LAN configuration

IP address of the camera (default):

192.168.2.252

Second port enabled (1024)



Router / Switch

Camera access via LAN:
http://192.168.2.252

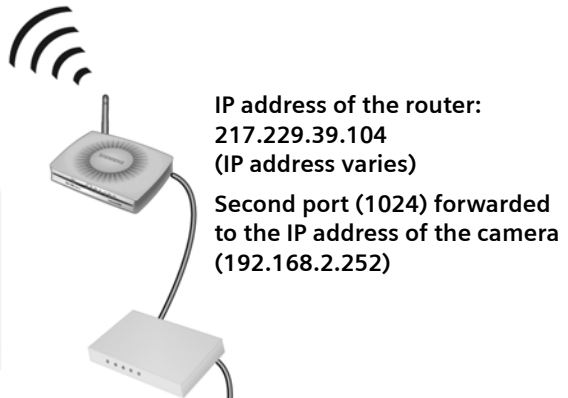
Advanced Viewing Setup

Example: Internet configuration

IP address of the camera (default):

192.168.2.252

Second port enabled (1024)



IP address of the router:

217.229.39.104

(IP address varies)

Second port (1024) forwarded
to the IP address of the camera
(192.168.2.252)



Camera access via Internet:

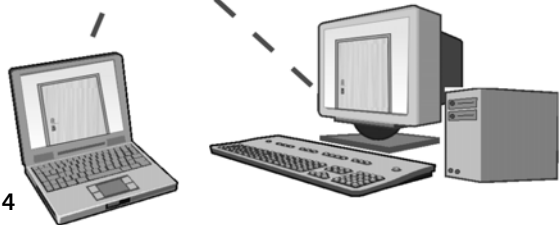
<http://217.229.39.104>

(IP address varies)

Or

Camera access via DDNS:

<http://mycam.dyndns.org:1024>



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The "Port" for the "Port Forwarding" / "Virtual Server" entry above is the **Second Port** number specified on the **Network** screen of the Gigaset WLAN Camera.

Using DDNS (Dynamic DNS)

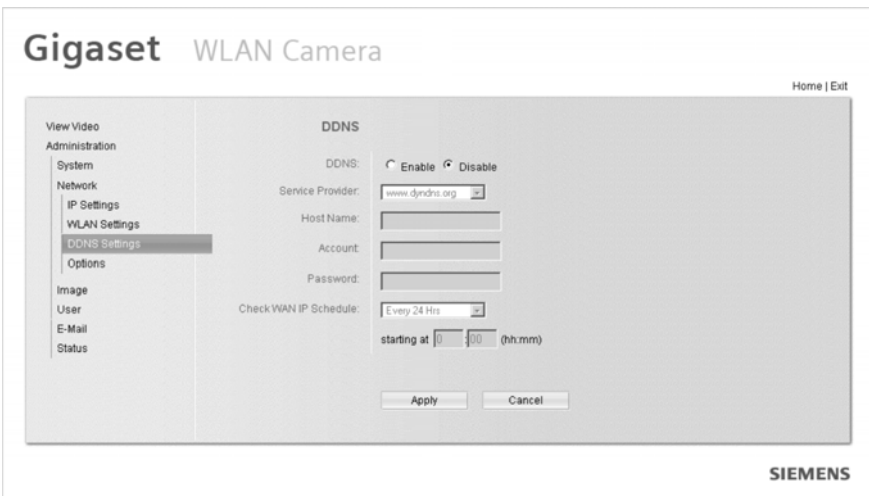
Many Internet connections use a "Dynamic IP address", where the Internet IP address is allocated whenever the Internet connection is established.

This means that other Internet users don't know the IP address, so can't establish a connection.

DDNS is designed to solve this problem, by allowing users to connect to your LAN using a domain name, rather than an IP address.

If you prefer to use DDNS, proceed as follows:

- ➔ Register for the DDNS service with a supported DDNS service provider. You can then apply for, and be allocated, a Domain Name.
- ➔ In the **Administration** menu, select **Network** and then **DDNS Setting**.



- ➔ Enter and apply the correct DDNS settings.

Operation is then automatic:

- ◆ The Gigaset WLAN Camera will automatically contact the DDNS server whenever it detects that the Internet IP address has changed, and inform the DDNS server of the new IP address.
- ◆ Internet users can connect to your LAN using the domain name allocated by the DDNS service provider.

Viewing via the Internet

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Clients (viewers) will also need a broadband connection; dial-up connections are NOT recommended.

Using the Windows WLAN Camera Utility

If using the WLAN Camera Utility (see chapter "Viewing & Recording" on page 53), the details of the Gigaset WLAN Camera must be entered there.

- ➔ Open the software **WLAN Camera Utility**.
- ➔ Click the **Add Camera** button and open the tab **Internet**.
- ➔ Enter the **IP Address**, the **Port Number** and, if required, the user name and password.

Add Camera From	
LAN and WLAN	Internet
Test Results	
Testing Success	
Camera Data	
Device Name	Slb8ac3a
Description	Gigaset WLAN
Address	192.168.2.252
Port Number	80
Login (if required)	
Name	admin
Password	
Test	
Add	
Clear	

- ➔ Click the **Test** button for checking the connection.
- ➔ Click the **Add** button for adding the camera to the **Camera List**.
- ➔ Close the window.
- ➔ Select the camera in the **Camera List** on the main screen and click **View** to establish a connection and view live video.

Using your web browser

If using your web browser (see chapter "Web-based Management" on page 32), you need to know the address of the camera (either the Internet IP address or the domain name) and the correct port number.

- ➔ Open the Internet Explorer.
- ➔ Enter the address of the Gigaset WLAN Camera and its port number in the **Address** (or **Location**) field of your browser.

Example – IP address:

HTTP://203.70.212.52:1024

Where the router/gateway's Internet IP address is **203.70.212.52** and the **Second Port** number on the Gigaset WLAN Camera is **1024**.

Example – domain name:

HTTP://mycamera.dyndns.tv:1024

Where the router/gateway's Domain name is **mycamera.dyndns.tv** and the **Second Port** number on the Gigaset WLAN Camera is **1024**.

Motion Detection / E-Mail Alerts

The **Motion Detection** feature will capture a short video and send it to your e-mail address when motion is detected.

The Gigaset WLAN Camera will compare consecutive frames to detect changes caused by the movement of large objects.

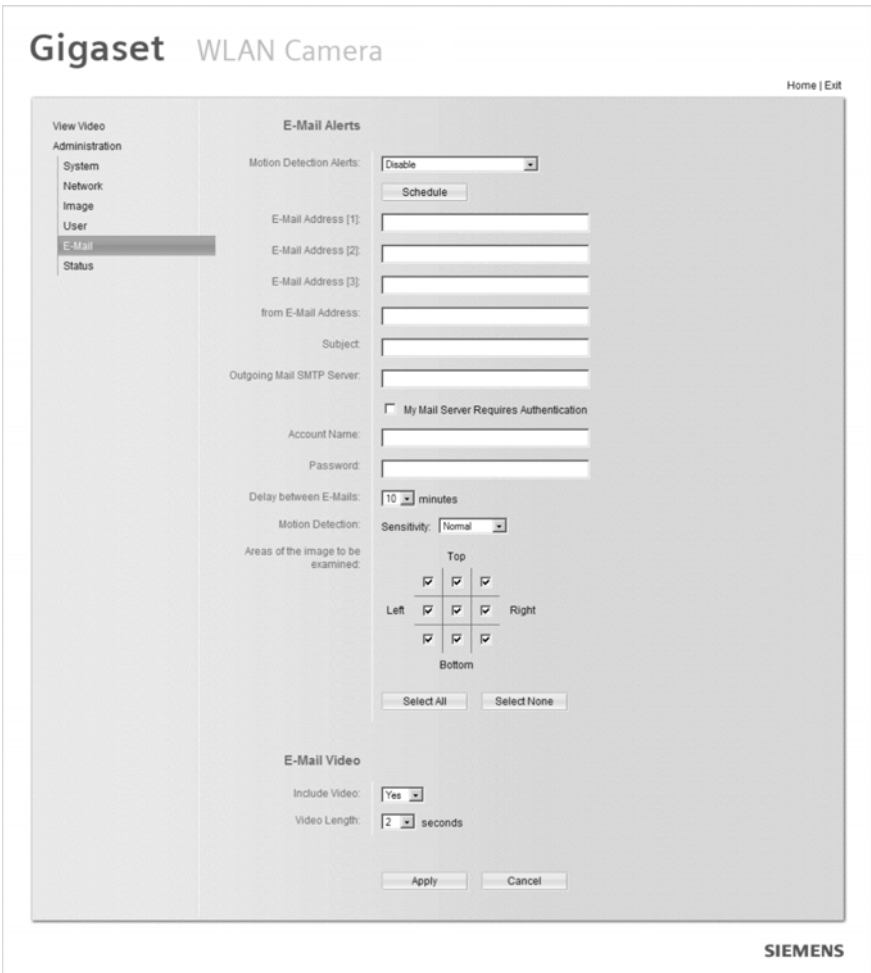
But the motion detector can also be triggered by:

- ◆ Sudden changes in the level of available light
- ◆ Movement of the camera itself

Try to avoid these situations. The motion detection feature works best in locations where there is good steady illumination and the camera is mounted securely. It cannot be used outdoors due to the sensitivity of the CMOS sensor.

Using Motion Detection / E-Mail Alert

- ➔ Connect to the web-based interface of the Gigaset WLAN Camera.
- ➔ In the **Administration** menu, select **E-Mail**.



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If you don't know the parameters of your e-mail account, please ask your Internet service provider.

- ➔ Tick the box **Send E-Mail Alert when Motion Detected**.
- ➔ Enter at least one e-mail address.

- ➔ In the **Show "From" as** field, enter the e-mail address you wish to display as the sender when you receive the mail. This should be a genuine e-mail address, otherwise spam filters may block your mail.
- ➔ Enter a suitable **Subject** for the e-mails.
- ➔ Enter the address of the SMTP server in the **Outgoing Mail SMTP Server** field. If the SMTP server requires a "login" in order to send mail, tick the box **My Mail Server Requires Authentication** and enter your user name and password.
- ➔ Select the desired time interval for sending mails in the **Delay between E-Mails** field. This feature is used to prevent your e-mail inbox being flooded with e-mails.
- ➔ **Motion Detection: Sensitivity** determines how readily the motion detection sensor is activated. You can select the sensitivity and also select the areas of the image to be examined.
Note: You must select at least one area. If you don't, the motion detection will never be triggered and no e-mail alerts will ever be sent.
- ➔ In the **E-Mail Video** section, select the desired options
 - Set **Include Video** to **Yes** if you want to include a video with the e-mail.
 - Set **Video Length** as desired. Note that if using higher resolution and lower compression, even a short video file could be quite large.
- ➔ Click on **Apply** to save your settings.

Web-based Management

The Gigaset WLAN Camera can be configured using your web browser. The Gigaset WLAN Camera must have an IP address that is compatible with your PC.

The recommended method to ensure this is to use the supplied Windows-based wizard, as described in chapter "Viewing via the Internet" on page 28.

Connecting to Gigaset WLAN Camera

- ◆ If you have run the Windows-based setup wizard, the final screen provided a button **Web UI**. Clicking this button will immediately connect to the Gigaset WLAN Camera using your web browser.
- ◆ If using only your web browser, use the following procedure to establish a connection from your PC to the Gigaset WLAN Camera.
- ◆ Once connected, you can add the Gigaset WLAN Camera to your browser's **Favorites** or **Bookmarks**.

Connecting using your Web Browser

- ➔ Start your web browser.
- ➔ In the **Address** box, enter **HTTP://** and the IP address of the Gigaset WLAN Camera, as in this example, which uses the Gigaset WLAN Camera's default IP address:
HTTP://192.168.2.252
- ➔ If the **Administrator ID** and **Password** have been assigned, you will then be prompted for a user name and password. Enter the name and password you assigned.

Welcome Screen

When you connect, the following screen will be displayed.



The menu options available from this screen are:

- ◆ **View Video** – View live video using your web browser.
- ◆ **Administration** – Access the administration menu.

These options are explained in the following sections.

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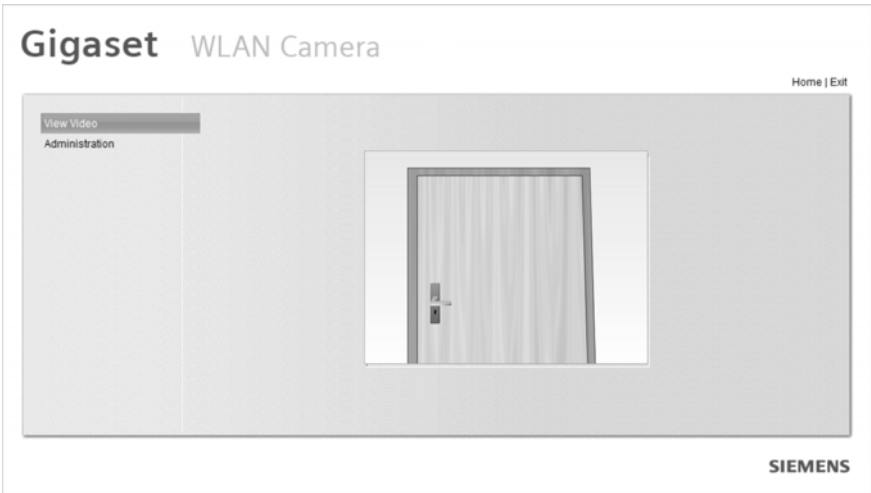
For viewing live video you must use Internet Explorer. For administration, any web browser can be used.

Besides the viewing and administrating options there are always on top of the screen:

- ◆ **Home** – Open the **Welcome Screen**
- ◆ **Exit** – Terminate the connection to the Gigaset WLAN Camera and close the window.

Viewing Video Screen

→ Click on **View Video**.



You may be prompted regarding a video applet like the example below.
You must install this applet in order to view the Video.

→ Click **Yes**.



Video will start playing automatically. There may be a delay of a few seconds while the video stream is buffered.

Administration Menu

→ Click on **Administration** in the menu.

The **Administration** menu contains all the settings for the Gigaset WLAN Camera:

- ◆ **System** – Description date / time, and NTP
- ◆ **Network** – All network and wireless settings
- ◆ **Image** – Adjust the video image
- ◆ **Users** – Administrator login, user access, and user database
- ◆ **E-Mail** – E-mail alerts and e-mail video
- ◆ **Status** – Current status information

System Settings

→ Click on **System** in the **Administration** menu.

→ Enter data in the appropriate fields:

System Settings

- Device Name** This displays the name for the Gigaset WLAN Camera.
- Description** This field is used for entering a description, such as the location of the Gigaset WLAN Camera.
- LED Operation** Enable or disable the LEDs on your device. If disabled, the Gigaset WLAN Camera works secretly.

- Time** Enter the current time.
- Date** Enter the current date.
- Timezone** Choose the timezone for your location from the drop-down list.
If your location is currently using daylight saving, enable the **Adjust for daylight saving** checkbox. **You must UNTICK this checkbox when daylight saving finishes.**

NTP (Network Time Protocol)

- Time Server** Enable or disable the Time Server feature as required.
If enabled, the Gigaset WLAN Camera will contact a network time server at regular intervals and update its internal timer.
- Server Address** Enter the address for the desired network time server.
- Update Schedule** The schedule determines how often the Gigaset WLAN Camera contacts the network time server.
Select the desired options.

Network Settings

- Click on **Network** in the **Administration** menu.
The **IP Setting** screen is displayed first.

The screenshot shows the Gigaset WLAN Camera web interface. The title bar reads "Gigaset WLAN Camera" and "Home | Exit" is in the top right. A left-hand navigation menu includes "View Video", "Administration", "System", "Network" (highlighted), "WLAN Settings", "DDNS Settings", "Options", "Image", "User", "E-Mail", and "Status". The "IP Setting" page is displayed, featuring two radio buttons: "Obtain Address automatically (DHCP)" (unselected) and "Fixed IP Address" (selected). Below these are input fields for IP Address (192, 168, 2, 252), Subnet Mask (255, 255, 255, 0), Gateway (192, 168, 2, 1), Primary DNS (194, 25, 2, 129), and Secondary DNS (192, 168, 114, 1). "Apply" and "Cancel" buttons are at the bottom.

- Select **Obtain Address automatically** or **Fixed IP Address**:

Obtain Address automatically (DHCP)

The Gigaset WLAN Camera will obtain its IP address and related information from a DHCP server. Only select this option if your LAN has a DHCP server.

Fixed IP Address

You must assign the following data to the Gigaset WLAN Camera.

- ◆ **IP Address** – Enter an unused IP address from the address range used on your LAN.
- ◆ **Subnet Mask** – Use the same value as PCs on your LAN.
- ◆ **Gateway** – Use the same value as PCs on your LAN.
- ◆ **Primary DNS** – Use the same value as PCs on your LAN. Normally, your Internet service provider will provide this address.
- ◆ **Secondary DNS** – This is optional. If entered, this DNS will be used if the Primary DNS does not respond.

WLAN Settings

➔ Click on **WLAN Setting** in the **Administration – Network** menu.

The following screen will be displayed:

The screenshot displays the 'Gigaset WLAN Camera' web interface. The main content area is titled 'Wireless Setting' and contains the following configuration options:

- Mode:** Infrastructure (dropdown menu)
- Authentication Type:** Open System (dropdown menu)
- SSID:** ANY (text input field)
- Domain:** Europe (dropdown menu)
- Channel No.:** (dropdown menu)
- Security:** WEP (dropdown menu)
- WEP Encryption:** 128 Bit Keys (26-Hex chars) (dropdown menu)
- Passphrase:** (text input field) with a **Generate** button below it.
- Default Key:** Key Value (text input field)
- Key 1:** (text input field)
- Key 2:** (text input field)
- Key 3:** (text input field)
- Key 4:** (text input field)
- Clear Keys** (button)

At the bottom of the configuration area are **Apply** and **Cancel** buttons. On the left side, there is a navigation menu with the following items: View Video, Administration, System, Network, IP Settings, **WLAN Settings** (highlighted), DDNS Settings, Options, Image, User, E-Mail, and Status. The top right corner of the interface shows 'Home | Exit' and the bottom right corner features the 'SIEMENS' logo.

Web-based Management

→ Enter data into the fields:

Mode	The connection Mode determines the type of wireless communication used by the Gigaset WLAN Camera. <ul style="list-style-type: none">◆ If you have an Access Point, select Infrastructure.◆ Otherwise, select Ad-hoc.
Authentication Type	Select the appropriate value – Open System or Shared Key , as used on your WLAN. Note: In Infrastructure mode, both settings will normally work, since most Access Points can use both methods.
SSID	This must match the value used by other devices on your wireless LAN. Note! The SSID is case sensitive.
Domain	Select your region from the drop-down list.
Channel No	<ul style="list-style-type: none">◆ In Infrastructure mode, this setting is ignored. The Gigaset WLAN Camera will use the channel set on the Access Point.◆ For Ad-hoc mode, select the channel you wish to use on your Gigaset WLAN Camera. Other wireless stations should use the same setting.◆ If you experience interference (shown by lost connections and/or slow data transfers) you may need to experiment with different channels to see which one is the best.
Security	This shows the current security settings: <ul style="list-style-type: none">◆ Disabled◆ WEP: WEP encryption (64 or 128 bit)◆ Pre-Shared Key: WPA encryption After selecting the security feature, click on Apply . Please refer to the next chapter for configuring the security settings.

Security Features



To avoid unauthorised access to your wireless network, you should use one of the following security features.

WEP encryption

This screen is accessed by selecting **Security: WEP** on the **Network** screen. A sample WEP screen is shown below.

WEP Encryption: 128 Bit Keys (26 Hex chars) ▾

Passphrase:

Default Key: Key Value

Key 1:

Key 2:

Key 3:

Key 4:

WEP Encryption

WEP Encryption Select the option used on your Wireless LAN.

- ◆ **64-Bit Keys (10 Hex chars)** – If selected, data is encrypted using the default key before being transmitted. You must enter a default key. Other wireless stations must be set to use 64-bit encryption, and have the same key value in the same position in their key table.
- ◆ **128-Bit Keys (26 Hex chars)** – If selected, data is encrypted using the default key before being transmitted. You must enter a default key. Other wireless stations must be set to use 128-bit encryption, and have the same key value in the same position in their key table.

Passphrase

The **Passphrase** feature will generate a key from the phrase you enter, which may be easier than entering keys in Hex (0–9 and A–F).

To use the **Passphrase** feature, enter the desired Passphrase in the field provided and click the **Generate** button.

Web-based Management

Default Key

Select a key to be used as the default key.

Key Value

If WEP encryption is used, you must enter at least one key value for the **Default Key**. All transmissions are encrypted using the **Default Key**.

Other wireless stations must use the same key value in the same position in their key table. (It does not have to be selected as the default key.)

The other key values are optional, and are used only for decrypting data. This allows you to use different keys for transmitting and receiving, if required.

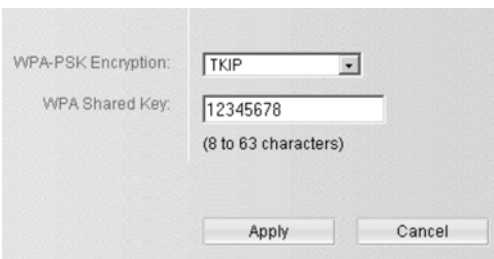
When inputting a key value, follow these rules:

- ◆ For 64-bit encryption, keys must be 10 characters.
- ◆ For 128-bit encryption, keys must be 26 characters.
- ◆ Keys must be entered in Hex.
Hex characters are 0–9 and A–F.

WPA encryption

WPA increases the security of wireless networks due to a temporary key encoding. With TKIP (Temporal Key Integration Protocol), the encryption code is generated as a combination of the MAC address and your entered key.

This screen is accessed by selecting **Security: WPA-PSK** on the **Network** screen. A sample WPA screen is shown below.



WPA-PSK Encryption: TKIP

WPA Shared Key: 12345678
(8 to 63 characters)

Apply Cancel

WPA-PSK Encryption

WPA-PSK

Select **TKIP** for WPA-PSK encryption.

Encryption

WPA Shared Key

Type in 8–63 characters as **WPA Shared Key** (all characters are allowed, it must match other wireless stations of your WLAN).

DDNS Settings

The Domain Name Service (DNS) is using name servers that allocate the host names to the respective IP addresses. If your camera has a static IP address, you can enter this IP address into the address field of your web browser and you will get a connection to your camera.

If your camera obtains its IP address dynamically via DHCP server, the DNS is not able to allocate the host name to the IP address. The IP address of your camera is changing every time a connection is established. Therefore, the Dynamic Domain Name Service (DDNS) has been introduced. The DynDNS updates frequently the allocation of the used IP address to the host name.

Requirements for using DDNS

- ◆ You need to register a host name for your camera with a DDNS service (e.g. <http://mycam.dyndns.org>). The DDNS service provider will allocate a domain name to you upon request.

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For registering DDNS you can use the following characters: **a–z, A–Z, 0–9** and the special characters **.** and **-**.

- ◆ The DDNS settings on the **Network** screen below must be correct.
- ◆ The Gigaset WLAN Camera will then contact the DDNS server whenever it detects that the Internet IP address has changed, and inform the DDNS server of the new IP address. (The **Check WAN IP Schedule** determines how often the Gigaset WLAN Camera checks if the Internet IP address has changed.)

This system allows other Internet users to connect to you using the domain name allocated by the DDNS service provider.

➔ Click on **DDNS Setting** in the **Administration – Network** menu.

Web-based Management

➔ Enter data into the fields:

DDNS

Enable/Disable

Enable or disable the DDNS function, as required.
Only enable this feature if you have registered for the DDNS service with a DDNS service provider.

Service Provider

Choose a service provider from the list.

Host Name

Enter the host name (domain name) allocated to you by www.dyndns.org.

Account

Enter the login name for the DDNS account.

Password

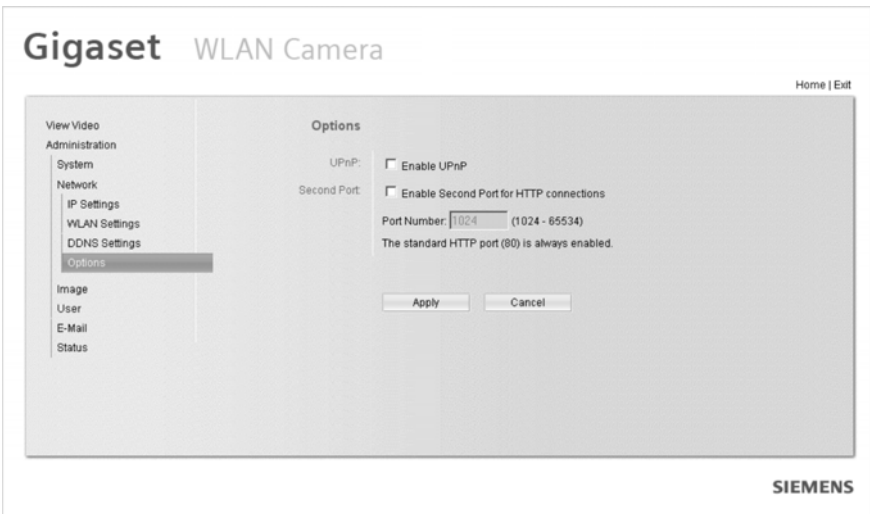
Enter the password for the DDNS account.

Check WAN IP Schedule

Set the schedule for checking if the Internet IP address has changed. If the IP address has changed, the DDNS server will be notified.

Settings: UPnP Support and Port Forwarding

➔ Click on **Options** in the **Administration – Network** menu.



UPnP

Enable UPnP support if required. If enabled, the Gigaset WLAN Camera will broadcast its availability using UPnP. UPnP compatible systems such as Windows XP will then be able to detect the presence of the Gigaset WLAN Camera.

Second Port

Enable this feature if required. If enabled, then HTTP connections (using your web browser or Media Player) can use this port number instead of the standard HTTP port 80.

- ◆ If you already have a web server on your LAN, then you should enable the second port and use this port number instead of port 80.
- ◆ If enabled, enter the desired port number for connections to the Gigaset WLAN Camera. The default is 1024.

Image Settings

With the image settings you adjust resolution and quality of the video and you enable text and audio settings to be transmitted together with the video.

➔ Click on **Image** in the **Administration** menu.

Gigaset WLAN Camera Home | Exit

View Video
Administration
 System
 Network
Image
 User
 E-Mail
 Status

Video Settings

Resolution:

Image Quality:

Power line frequency: (for fluorescent lighting)

Adjustments

Brightness:

Manual

Red: (0 ~ 64, Default 32)

Green: (0 ~ 64, Default 32)

Blue: (0 ~ 64, Default 32)

Options

Time Stamp: Enable

Text Display:

Audio: Enable Audio

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Web-based Management

➔ Change the settings:

Video Settings

Resolution Select the desired video resolution format. The default resolution is set to **320 x 240**.

Image Quality Select the desired image quality. The default image quality is set to **Normal**.

Note: Higher image quality requires more bandwidth.

Power line frequency Select the power line frequency (**50 Hz** or **60 Hz**) used in your region to improve the picture quality under fluorescent lighting.

Adjustments

Brightness Select **Automatic** or **Manual**. The default is set to **Automatic** in which case the camera will automatically adjust the brightness based on the current environment. Select **Manual** if you want to adjust the brightness manually.

Red, Green, Blue Adjust these colour settings to the preferred values.
Note: When **Automatic** is selected, these settings will not take effect.

Default button Clicking this will set all the **Adjustment** fields to their default values. You must click **Apply** to save these changes.

Options

Time Stamp Enable the check box if you want the time to be displayed on the video image.

Text Display If you want text to be displayed on the video image, enable this feature by ticking the checkbox. You can enter text up to 20 characters. This feature is often used to identify a camera when multiple cameras are installed.

Audio If you want audio to be included with the video, enable this option. Some bandwidth will be allocated to the audio stream. In some situations, this may affect the quality of the video.

Preview Video Click the button to open a preview window showing your changed settings.

User Settings

With the user settings you may change the login data and you can restrict the access on the camera.

➔ Click on **User** in the **Administration** menu.

➔ Change the settings:

Admin Login

Administrator ID

Enter the name for the administrator here. Spaces, punctuation, and special characters must **NOT** be used in the name.

The name is case insensitive (case is ignored), so you cannot have 2 names that differ only by case.

Password

Enter the password for the administrator.

Verify Password

Re-enter the password for the administrator to ensure it is correct.

User Access

Allow access by

- ◆ **Everyone** – Anyone can view the video stream.
- ◆ **Only users in database** – Allow viewing only by people in the user database. If selected, users will be prompted for a user name and password when they attempt to view the video.

Web-based Management

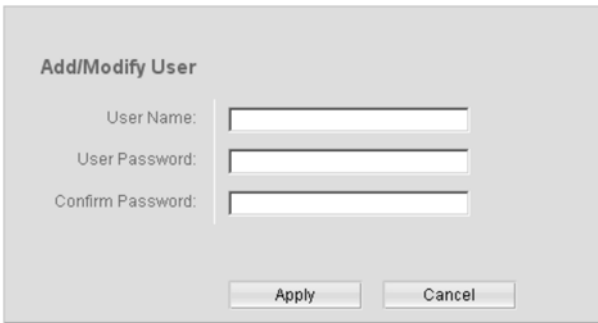
User Database

- User List** This displays all users you have entered into the user database. If you have not entered any users, this list will be empty.
- Buttons** Use the **Add**, **Delete**, and **Modify** buttons to manage the user database.

Adding/Modifying User

For adding and modifying user data you need to know the user names and passwords of those users, that should have access to the camera.

- ➔ Click on **User** in the **Administration** menu.
- ➔ Select **Only users in database**.
- ➔ Click **Add** for adding users to the database or select a user and click **Modify** for changing the data of the selected user.



The screenshot shows a dialog box titled "Add/Modify User". It has three text input fields labeled "User Name:", "User Password:", and "Confirm Password:". At the bottom of the dialog, there are two buttons: "Apply" and "Cancel".

- ➔ Enter the data into the fields:

- User Name** Enter the name for the user. Spaces, punctuation and special characters must **NOT** be used in the name.
The names are case insensitive (case is ignored), so you cannot have 2 names that differ only by case.
- User Password** Enter the password for the user above.
- Confirm Password** Re-enter the password to ensure it is correct.

E-Mail Settings

If desired, you can use the e-mail feature to have an e-mail sent to you whenever motion is detected. Note that because of the sensitivity of the CMOS digitizer, the motion detection feature is not usable in situations where the level of illumination may change rapidly. In this situation, the change in light intensity will trigger the motion detection.

→ Click on **E-Mail** in the **Administration** menu.

Gigaset WLAN Camera Home | Exit

View Video
Administration
System
Network
Image
User
E-Mail
Status

E-Mail Alerts

Motion Detection Alerts:

E-Mail Address [1]:

E-Mail Address [2]:

E-Mail Address [3]:

from E-Mail Address:

Subject:

Outgoing Mail SMTP Server:

My Mail Server Requires Authentication

Account Name:

Password:

Delay between E-Mails: minutes

Motion Detection: Sensitivity:

Areas of the image to be examined:

	Top			
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Left	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Right
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Bottom			

E-Mail Video

Include Video:

Video Length: seconds

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→ Enter data into the fields:

E-Mail Alerts

Motion Detection Choose one of the options:

Alerts

Enable: An e-mail will be sent always when motion is detected.

Disable: No e-mail will be sent.

Enable during scheduled periods: An e-mail will be sent only during the periods, which are defined in the Schedule screen. See "E-Mail Alert Schedule" on page 49.

Disable during scheduled periods: During the periods, which are defined in the Schedule screen, no e-mail will be sent. See "E-Mail Alert Schedule" on page 49.

Note:

Motion detection can be triggered by rapid changes in lighting condition as well as by moving objects. For this reason, it should only be used indoors.

E-Mail Address

Enter at least one e-mail address; the 2nd and 3rd addresses are optional. The e-mail alert will be sent to the e-mail address or addresses specified here.

from E-Mail Address

Enter the e-mail address to be shown in the "**From**" field when the e-mail is received.

Subject

Enter the desired text to be shown as the "**Subject**" for the e-mail when it is received. Subject cannot exceed 48 alphanumeric characters.

Outgoing Mail SMTP Server

Enter the address of the SMTP (Simple Mail Transport Protocol) server to be used to send e-mail.

If the SMTP server requires a "login" in order to send mail, tick the box **My Mail Server Requires Authentication** and enter your user name and password for the SMTP server. (This is usually the same as the POP3 server used to receive e-mail.)

Delay between E-Mails

Use this to ensure your e-mail inbox is not flooded with e-mail alerts. Select the desired time delay between e-mail alerts.

Motion Detection

◆ **Sensitivity**

Select the desired option to suit your environment. If covering a large area, you usually need higher sensitivity, since a moving object will take only a small portion of the image.

◆ **Areas of the image to be examined**

Use the checkboxes to determine which areas of the image are examined for motion. You can also use the **Select All** and **Select None** buttons if desired.

Note: If you don't select any checkbox, no e-mails will be sent.

E-Mail Video

Include Video Set to **Yes** to include a short video in your e-mail alert.

Video Length Select the desired length. The size of the file depends on this setting, and also the video size and degree of compression.



If you get no e-mails, even though you enabled the e-mail alerts, please contact your Internet service provider.

E-Mail Alert Schedule

You can define the periods for sending e-mail alerts for example to exclude periods with regular motion in the supervised room.

- ➔ Choose **Enable during scheduled periods** or **Disable during scheduled periods** in the options of **Motion Detection Alerts**.
- ➔ Click the **Schedule** button.

- ➔ Choose the day and the start and the end time to define a period.
- ➔ Click **Add** to take over the defined period into the schedule window.
- ➔ Define as many periods as required.

Deleting a scheduled period

- ➔ Click on the period.
- ➔ Click the **Delete** button to delete the chosen period.

Status Informations

In the status informations you find the actual settings of the camera. You could upgrade the firmware and reset the camera.

➔ Click on **Status** in the **Administration** menu.

The screenshot displays the web management interface for a Gigaset WLAN Camera. The page title is "Gigaset WLAN Camera" and there is a "Home | Exit" link in the top right corner. On the left side, there is a navigation menu with the following items: "View Video", "Administration", "System", "Network", "Image", "User", "E-Mail", and "Status". The "Status" item is currently selected and highlighted. The main content area is divided into several sections:

- System**:
 - Device Name: Slb8ac3a
 - Description: Gigaset WLAN Camera
 - FW version: V1.08
 - Upgrade Firmware button
- Network**:
 - MAC Address: 00:c0:02:b8:ac:3a
 - IP Address: 192.168.13.120
 - Network Mask: 255.255.255.0
 - Gateway: 192.168.2.1
- Wireless**:
 - Network Type: Infrastructure
 - SSID: ANY
 - Channel: 6
 - Encryption: WEP
- Video**:
 - Resolution: 320 x 240
 - Current Viewers: 0
- Log**:
 - 08/01/2005 11:54:49 Lan activated.

At the bottom of the main content area, there are three buttons: "Restore Factory Defaults", "Refresh", and "Restart". The "SIEMENS" logo is located in the bottom right corner of the interface.

You find the following informations:

System

Device Name	This shows the name of the Gigaset WLAN Camera.
Description	This shows the description of the Gigaset WLAN Camera, such as location.
F/W version	The version of the current firmware installed. You can upgrade the firmware by clicking the Upgrade Firmware button. Before updating, you need to obtain the firmware upgrade file. Please refer to chapter "Upgrading Firmware" on page 52.

Network

MAC Address	The current IP address of the Gigaset WLAN Camera.
IP Address	The IP address of the Gigaset WLAN Camera.
Network Mask	The network mask associated with the IP address above.
Gateway	The IP address of the remote gateway associated with the IP address above.

Wireless

Network Type	It shows the network type currently in use (Ad-hoc or Infrastructure).
SSID	This displays the wireless SSID.
Channel	This shows the wireless channel currently used.
Encryption	This shows if the WEP or WPA-PSK encryption is enabled.

Video

Resolution	The image size of the video stream.
Current Viewers	This shows how many viewers are currently viewing the video stream.

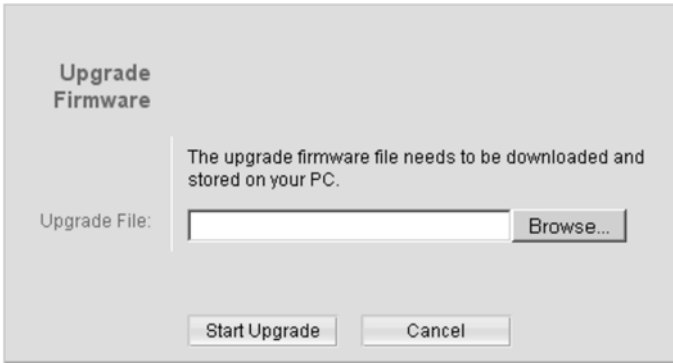
Log

System Log	This is a log of system activity. Date, time and IP address of the video access is noted in the text field.
Restore Factory Defaults	Clicking this button restores the factory default configuration settings.
Refresh	Take over the current settings to the Status screen.
Restart	Restart the camera.

Upgrading Firmware

Upgrading the firmware (software) of your Gigaset WLAN Camera may be useful, if your camera doesn't work well anymore. Before updating the firmware, you have to download the upgrade file to your PC.

- ➔ Download the firmware update from: <http://www.siemens.com/gigasetwlancamera>
- ➔ Click on **Status** in the **Administration** menu.
- ➔ Click on the **Upgrade Firmware** button.



While progressing, the firmware update must not be interrupted. Otherwise your unit may be damaged. The firmware update will take up to ten minutes.

- ➔ Click the **Browse** button and choose the upgrade file.
- ➔ Select this file and click **OK**. The file name will then appear in the **Upgrade File** field.
- ➔ Click the **Start Upgrade** button to transfer the file to the Gigaset WLAN Camera and start the upgrade procedure.

Note:

- ◆ The upgrade may take several minutes.
- ◆ When the upgrade is completed, the Gigaset WLAN Camera will restart. This will terminate all current connections. Any users viewing or recording the video will recognize this as an error.

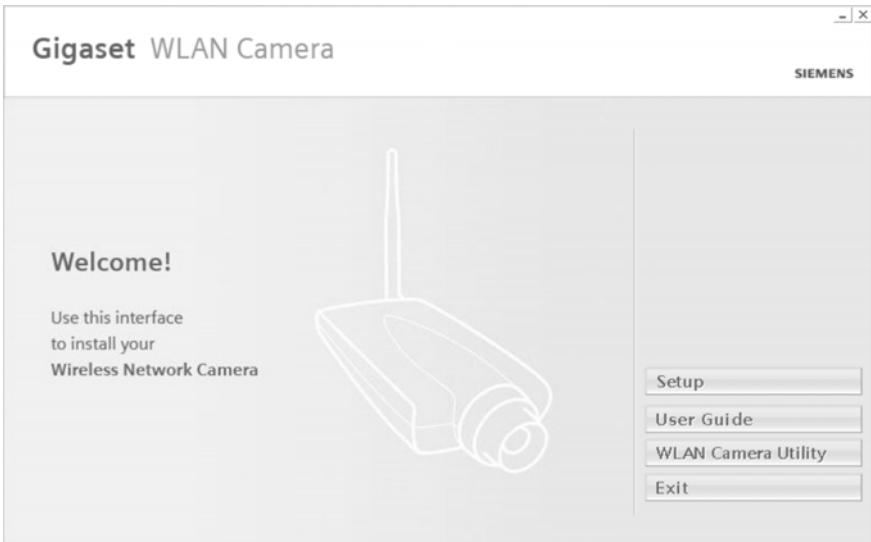
Viewing & Recording

The recommended method to view video is to use the supplied Windows WLAN Camera Utility.

Installing the WLAN Camera Utility

- ➔ Insert the supplied CD-ROM into your drive. If the setup program does not start automatically, run **wlancamera_setup.exe** in the root folder.

You will see the **Welcome** screen shown below.



- ➔ Click the **WLAN Camera Utility** button to start the installation of the WLAN Camera Utility. The installer will be opened.
- ➔ Click on the **Next** button and choose the path and program directory.
- ➔ Follow the prompts to complete the installation by clicking **OK**.

Starting the WLAN Camera Utility

If you didn't change the program directory during installation, you open the software in the following directory:

- ➔ Click on **Start > Programs > Gigaset WLAN Camera > WLAN Camera Utility**.

Or

Viewing & Recording

➔ Double click on this icon on your desktop:



System Tray Icon

When started, the program will create an icon in the Windows system tray on the taskbar, as shown below.

WLAN Camera Utility icon

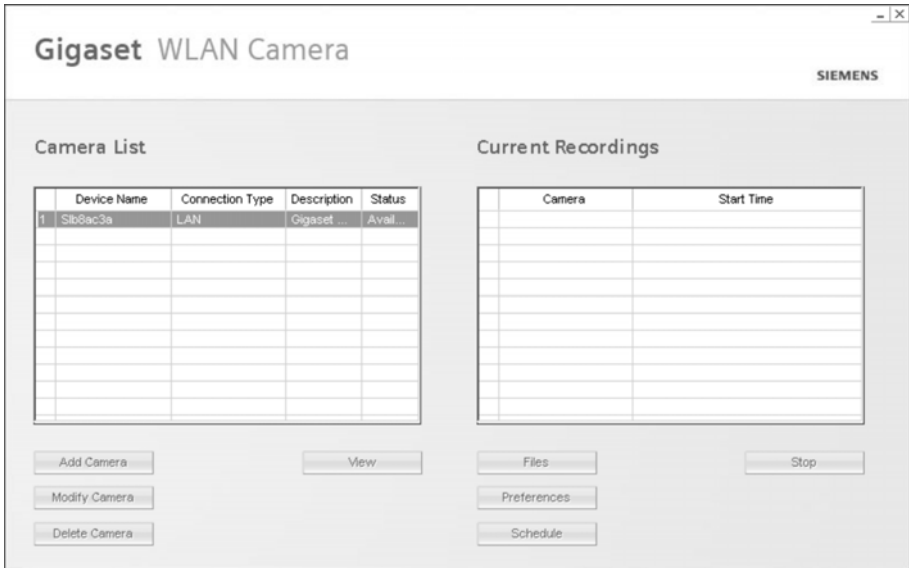


This icon has the following functions:

- ◆ **Animation** – If a recording is in progress, this icon will be animated. Otherwise, it is stationary.
- ◆ **Hover** – Hovering your mouse over this icon will generate a pop-up informing you of the current status.
- ◆ **Double-click** – This will display the main screen, shown below.
- ◆ **Right click** – This provides a menu, which allows you to view program details, view the main screen or terminate the program.

Main Screen

When started, a screen like the example below will be displayed.



The main screen is splitted into two areas: The left area shows the camera list and the right area shows the recordings list.

Camera List

- ◆ The **Camera List** displays all Gigaset WLAN Camera you have defined. If you have not defined any cameras, this list will be empty. For each listed camera, the following data is shown:
 - **Device Name** – The name of the camera.
 - **Connection Type** – This will be either **LAN and WLAN** or **Internet**, indicating the type of connection used to connect to the camera.
 - **Description** – If the camera administrator has entered a description, it will be displayed here.
 - **Status** – Indicates the availability of the camera.
- ➔ Click the **Add Camera** button to add a Gigaset WLAN Camera. See the following section for further details.
- ◆ Once one or more cameras are listed, you can select one and then use the **Modify Camera**, **Delete Camera** and **View** buttons.
- ◆ To view live video, select a camera and click the **View** button.

Current Recordings

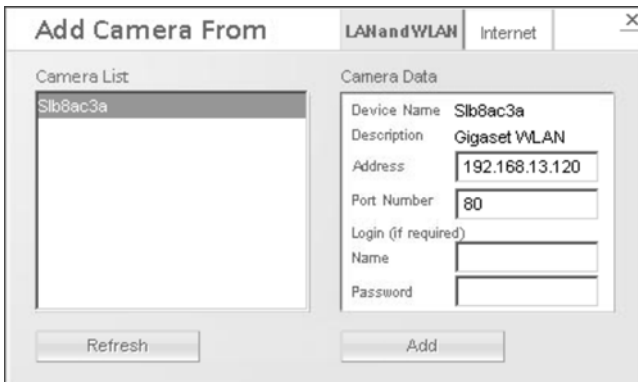
This panel lists all scheduled recordings currently in progress.

Any recording currently in progress can be terminated by selecting it and clicking the **Stop** button.

Please refer to chapter "Viewing & Recording" on page 53 for more information.

Adding Cameras to the Camera List

- ➔ Open the WLAN Camera Utility.
- ➔ Click the **Add Camera** button on the left side of the main screen.



- ◆ The **Cameras List** panel, on the left, displays all wireless cameras found on your LAN/WLAN. This list can be updated by clicking the **Refresh** button.
- ◆ The **Camera Data** panel, on the right, displays the data for the selected camera.

- ➔ Select a camera in the list on the left.
- ➔ Check if the **Camera Data** shown on the right is correct:

Device Name This is the default name for the Gigaset WLAN Camera and cannot be changed.

Description This displays the description entered by the Gigaset WLAN Camera administrator.

Address The current IP address of the Gigaset WLAN Camera.

Port Number This will normally display **80**. Only change this if requested to do so by the Gigaset WLAN Camera administrator.

Login The camera administrator can require that users provide a user name and password before being allowed to view the live video.

- ◆ If the administrator has not enabled this option, the **Login** fields can be left blank.
- ◆ Otherwise, you must enter the user name and password allocated to you by your administrator.

➔ Click the **Add** button. Then the camera will appear in the **Camera List** on the main screen.

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You can add the same camera twice, once for the LAN (using the LAN IP address), and again for the Internet (using the Internet IP address). This will allow viewing the camera whether you are on the same LAN as the camera or in a remote location.

Adding Cameras on the Internet

If the Gigaset WLAN Camera you wish to add is not on your LAN, but is available via the Internet, you can insert the data of the camera for adding it.

- ➔ Open the WLAN Camera Utility.
- ➔ Click the **Add Camera** button on the left side of the main screen.
- ➔ Click the **Internet** tab.

The screenshot shows a dialog box titled "Add Camera From" with two tabs: "LAN and WLAN" and "Internet". The "Internet" tab is selected. On the left, there is a "Test Results" section with a text box containing "Testing Success" and a "Test" button below it. On the right, there is a "Camera Data" section with several input fields: "Device Name" (Sib8ac3a), "Description" (Gigaset WLAN), "Address" (192.168.2.252), "Port Number" (80), "Login (if required) Name" (admin), and "Password" (empty). Below these fields are "Add" and "Clear" buttons.

➔ Enter the **Camera Data** on the panel on the right.

Viewing & Recording

- Device Name** This is the default name for the Gigaset WLAN Camera and cannot be changed.
This field will be displayed automatically once a connection to the Gigaset WLAN Camera has been established.
- Description** This displays the description entered by the Gigaset WLAN Camera administrator.
This field will be displayed automatically once a connection to the Gigaset WLAN Camera has been established.
- Address** Enter the domain name or Internet IP address of the desired Gigaset WLAN Camera.
- Port Number** Enter the port number used by the Gigaset WLAN Camera. The Gigaset WLAN Camera administrator can advise you of the port to use. The default value is 80.
- Login** The camera administrator can require that users provide a user name and password before being allowed to view the live video.
- ◆ If the administrator has not enabled this option, the **Login** fields can be left blank.
 - ◆ Otherwise, you must enter the user name and password allocated to you by your administrator.

- ➔ Click the **Test** button to check that a connection and login can be performed successfully.
- ➔ Click the **Add** button. The camera will now appear in the **Camera List** on the main screen.



You can add the same camera twice, once for the LAN/WLAN, and again for the Internet. This will allow viewing the camera whether you are on the same LAN as the camera or in a remote location.

Modifying an Existing Camera

- ➔ Open the WLAN Camera Utility.
- ➔ Click on one of the cameras in the **Camera List** on the left side.
- ➔ Click the **Modify Camera** button on the left side of the main screen.

Modify Camera [X]

Test Results

Testing Success

Camera Data

Device Name: S1b8ac3a
Description: Gigaset WLAN
Address: 192.168.13.120
Port Number: 80
Login (if required):
Name:
Password:

Test Save

- ➔ Data on this screen is the same as for the **Add Camera** screens, please refer to chapters "Adding Cameras to the Camera List" on page 56 and "Adding Cameras on the Internet" on page 57.
- ➔ Click the **Test** button to check that a connection and login can be performed successfully.

Viewing and Recording Live Video

- Open the WLAN Camera Utility.
- Click on one of the cameras in the **Camera List** on the left side.
- Click the **View** button to view live video.

The viewing window will be opened. If required, you could view live video of all cameras in the **Camera List** simultaneously. For each camera, a new viewing window will open.



- Click the buttons to stop and start viewing and to start recording the video stream:



Play – Use this to re-start viewing after using the **Stop** button.



Record – Click this to start recording the current video stream. While recording, this button will be red. To stop recording, click the **Stop** button.

Use the **Preferences** button on the main screen to set the folder where these files are stored, see chapter "Recording Preferences" on page 61.

You can record video while watching, or schedule recordings to occur when you are absent. Recordings are stored in a standard Microsoft ASF file format and can be played using Microsoft Media Player.



Stop – In recording mode, this will stop the current recording. In viewing mode, this will stop the viewing of live video.



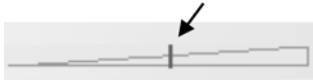
Snapshot – Click this to take a single JPEG "snapshot" image of the current video.

Use the **Preferences** button on the main screen to set the folder where these files are stored.



Audio – This can be used to select the audio stream that can be heard. (Only one audio stream can be selected at any time.) If audio is disabled on the camera, this option is unavailable and a red “X” will cover this icon. For enabling audio tick the checkbox in the **Image** settings, see chapter “Image Settings” on page 43.

Push the slider to the required volume level.



2x

2x – Clicking this will set the viewing image to double size. The icon will then change to the **1x** icon below.

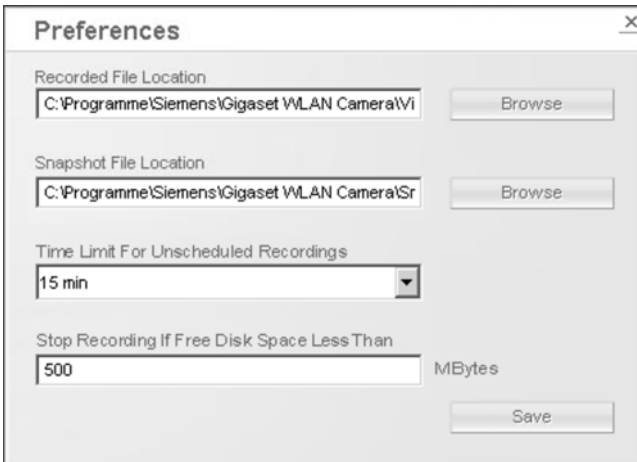
1x

1x – Clicking this will set the viewing image to standard size. The icon will then change to the **2x** icon above.

Recording Preferences

Before doing any recording, you should review the recording preferences to ensure they are suitable for your PC.

- ➔ Open the WLAN Camera Utility.
- ➔ Click the **Preferences** button on the right side.



- ➔ If necessary, change these settings:

Viewing & Recording

Recorded File Location This is the drive and folder on your PC where recorded files will be stored. You need a drive that has large amounts of free space (approx. 2.5 MB / minute, resolution 320 x 240).

➔ Click the **Browse** button to select the drive and folder.

Note that file names are automatically assigned using the date and time.

Übersicht Werte kommt

Snapshot File Location This shows the location where snapshot images (still images, in JPEG format) will be stored.

➔ Click the **Browse** button to select the drive and folder.

Note that file names are automatically assigned using the date and time.

Time Limit For Unscheduled Recordings This sets the maximum size of a recording, which is started by clicking the **Record** button on the **View** screen.

If the recording is not stopped manually, it will be terminated after the time period indicated here.

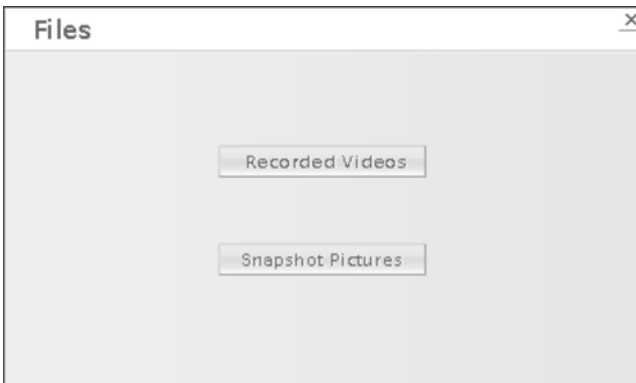
Stop Recording If Free Disk Space Less Than Set the minimum disk space of the recording drive in MB, which can not be used by recordings of your camera.

Files

To view recorded videos or snapshot (still image) pictures, click the **Files** button under the **Files** panel on the main screen, then select the desired option.

➔ Open the WLAN Camera Utility.

➔ Click the **Files** button on the right side.



➔ Click the **Recorded Videos** button to view a list of all recorded files.

Name	Camera	Start Time	End Time
lrJan04_1818.a...	Slb8ac3a		
lrJan05_0004.a...	Slb8ac3a		
SrJan05_0004....	Slb8ac3a	5/1/2005 0:04	5/1/2005 0:05
lrJan04_1818.a...	Slb8ac3a		
lrJan05_0004.a...	Slb8ac3a		
SrJan05_0004....	Slb8ac3a	5/1/2005 0:04	5/1/2005 0:05

Play Delete Explore

This list shows all of the recorded files. The following operations are supported:

- ◆ **Play** – Play the selected file using Microsoft Media Player.
- ◆ **Delete** – Delete the selected file.
- ◆ **Explore** – Open the folder containing these files using Windows Explorer.

Scheduled Recordings

Recordings can be scheduled at any time, for any known Gigaset WLAN Camera. (Of course, your PC must be ON at the scheduled time.)

- ➔ Open the WLAN Camera Utility.
- ➔ Click the **Schedule** button on the right side.

Camera	Date	Time	Type
Slb8ac3a	10/01/2005	13:20	One Time

Add Modify Delete

This screen lists all scheduled recordings. For each recording, the following data is shown:

- ◆ **Camera** – The camera that will be recorded.
- ◆ **Date** – The date the recording will be made. If the recording schedule is repetitive, this is the date of the next recording.
- ◆ **Time** – The time the recording will be made.

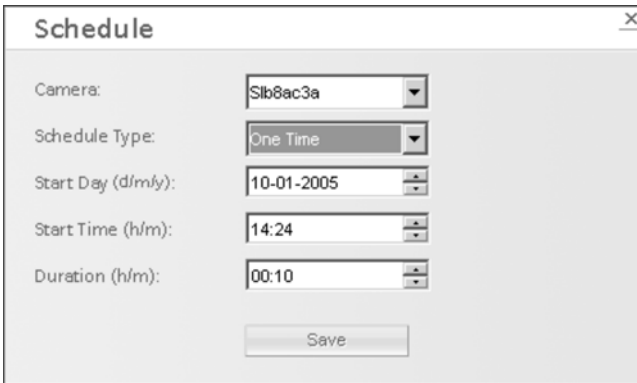
Viewing & Recording

- ◆ **Type** – Indicates if the recording is **One Time**, **Everyday**, or on a particular day each week.

If a scheduled recording is selected, the **Modify** and **Delete** buttons can be used to edit or delete the selected entry.

Schedule Definition Screen

- ➔ Open the WLAN Camera Utility.
- ➔ Click the **Schedule** button on the right side.
- ➔ Click on the **Add** or the **Modify** button.



- ➔ Enter or modify the details of the schedule:

Camera Select the camera to be used. If the desired camera is not listed, you must define it by using the **Add Camera** button on the main screen.

Schedule Type Select the desired option:

- ◆ **One Time** – Only one recording is made, on the specified date, at the specified time.
- ◆ **Everyday** – The recording is made every day, at the specified time. The **Start Day** indicates when the first recording will be made.
- ◆ **Every Sunday, Every Monday, ...** – The recording is made on the specified day each week. The **Start Day** indicates when the schedule becomes active.

Start Day Select the desired date. For a single recording, this is the day the recording will be made. For daily (**Everyday**) recordings, this is the starting date. For weekly recordings, this determines when the schedule becomes active.

Start Time Select the desired start time.

Duration Enter or select the desired duration of the recording.

Viewing with your Web Browser

The recommended method to view live video from the Gigaset WLAN Camera is to use the Windows utility.

However, you can also use your web browser if necessary.

Viewing over your LAN

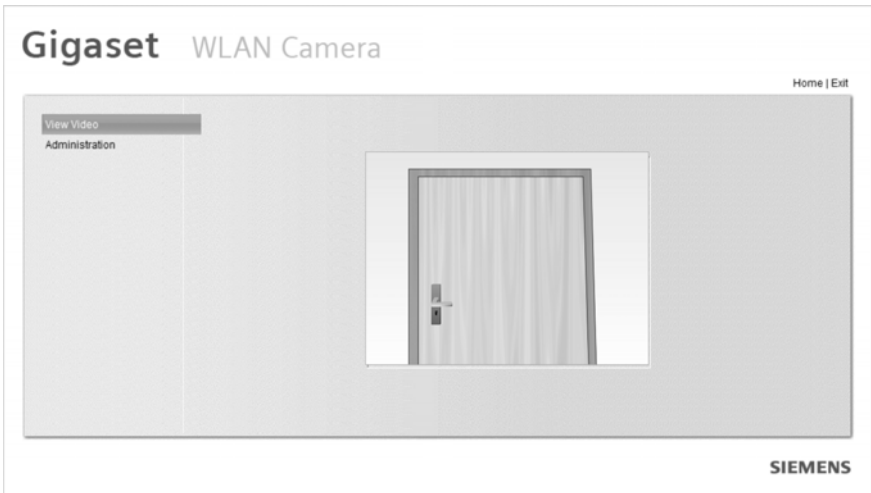
To establish a connection from your PC to the Gigaset WLAN Camera:

- ➔ Start the Internet Explorer.
- ➔ In the Address box, enter **HTTP://** and the IP address of the Gigaset WLAN Camera, as in this example, which uses the Gigaset WLAN Camera's default IP address:
HTTP://192.168.2.252
- ➔ If the administrator has enabled the user security feature, you will then be prompted for a user name and password.
Enter the name and password assigned to you by the Gigaset WLAN Camera administrator.
- ➔ When you connect, the following screen will be displayed.



Viewing & Recording

→ Click **View Video** to see a screen like the example below.



If you get a message, that there has to be installed the **Gigaset WLAN Camera video applet**, click on **Yes** for installing it. The applet is required for viewing live video via the Internet Explorer.

Video will start playing automatically. There may be a delay of a few seconds while the video stream is buffered.

Viewing via the Internet

If the LAN with the Gigaset WLAN Camera is connected to the Internet and configured correctly, you can connect to the Gigaset WLAN Camera via the Internet.

See chapter "Making Video available from the Internet" on page 24 for details of the required LAN configuration.

To establish a connection from your PC to the Gigaset WLAN Camera via the Internet:

- Obtain the Internet address and port number of the Gigaset WLAN Camera from the administrator.
- Start your web browser.
- In the address box, enter the following:

HTTP://Internet_Address:port_number

Example using an IP address:

HTTP://203.70.212.52:1024

Where the router/gateway's Internet IP address is **203.70.212.52** and the "Second Port" number on the Gigaset WLAN Camera is **1024**.

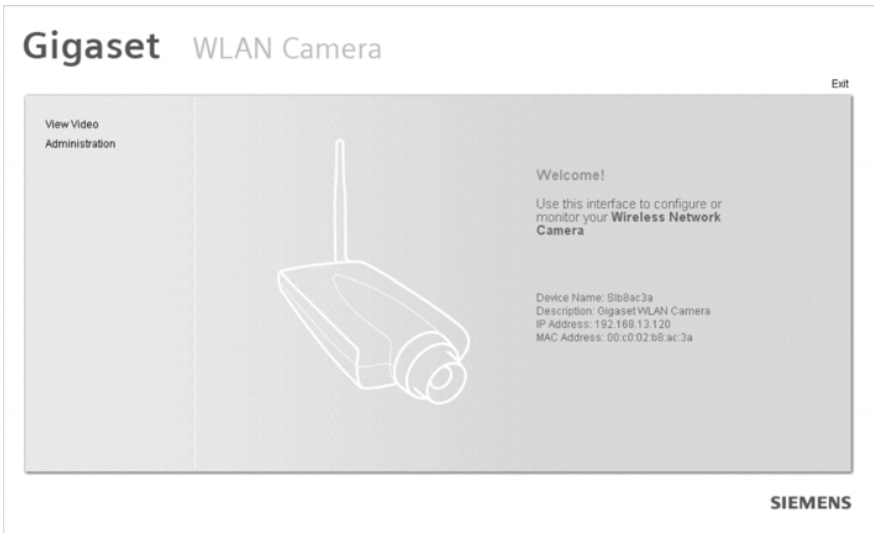
Example using a domain name:

HTTP://mycamera.dyndns.tv:1024

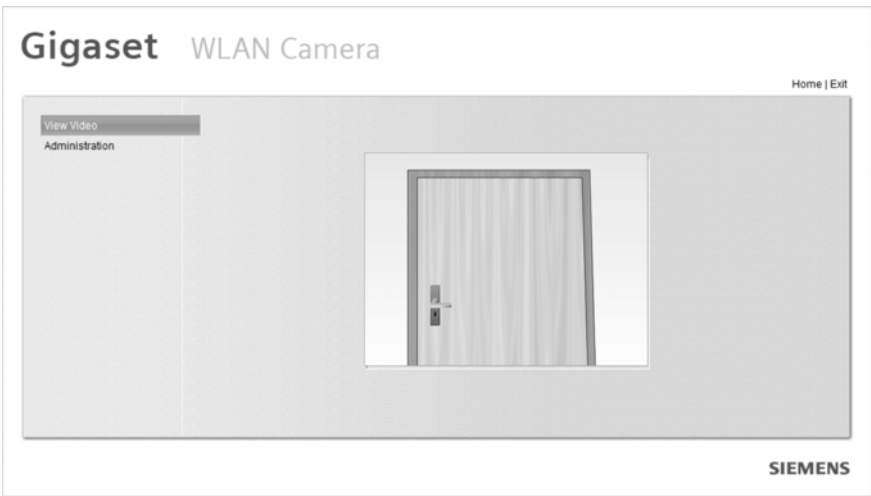
Where the router/gateway's Internet domain name (using DDNS in this example) is mycamera.dyndns.tv and the "Second Port" number on the Gigaset WLAN Camera is 1024.

- ➔ If the administrator has enabled the user validation feature, you will then be prompted for a user name and password.
Enter the name and password assigned to you by the Gigaset WLAN Camera administrator.

When you connect, the following screen will be displayed.



- ➔ Click **View Video** to see a screen like the example below.



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If you get a message, that there has to be installed the **Gigaset WLAN Camera video applet**, click on **Yes** for installing it. The applet is required for viewing live video via the Internet Explorer.

Video will start playing automatically. There may be a delay of a few seconds while the video stream is buffered.

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Viewers need a broadband Internet connection to view video effectively. Dial-up connections are NOT recommended.

Appendix

Troubleshooting

This chapter covers some common problems that may be encountered while using the Gigaset WLAN Camera and some possible solutions to them. If you follow the suggested steps and the Gigaset WLAN Camera still does not function properly, contact your dealer for further advice.

Problem	Solution
I can't install the Gigaset WLAN Camera.	For installation in the Windows 2000 and Windows XP operation systems, you need administrator rights. Please contact your system administrator.
I can't connect to the Gigaset WLAN Camera with my web browser to configure it.	It is possible that your PC's IP address is not compatible with the IP address of the Gigaset WLAN Camera. Use the Windows utility to configure the Gigaset WLAN Camera with a valid IP address.
The Windows utility doesn't list any Gigaset WLAN Cameras.	<p>Check the following:</p> <ul style="list-style-type: none"> ◆ The Gigaset WLAN Camera is installed, LAN connections are OK, it is powered ON and startup is complete. ◆ Ensure that your PC and the Gigaset WLAN Camera are on the same network segment. (If you don't have a router, this must be the case.) ◆ Ensure that your PC has the TCP/IP network protocol loaded. In Windows e.g. XP, this is done by using Control Panel > Network. If an entry for TCP/IP > Network card is not listed, use Add > Protocol > Microsoft > TCP/IP to add it. You then need to select the new entry (TCP/IP > Network card), click Properties, and configure the IP Address tab. <ul style="list-style-type: none"> – If your LAN has a DHCP server, you can select Obtain an IP Address automatically. – Otherwise, you must select Specify an IP Address, and enter values for IP Address, Subnet Mask, and Gateway. All devices on your LAN must use compatible values. Remember that each device needs a unique IP address and the same subnet mask.

Problem

Solution

When I try to connect to the Gigaset WLAN Camera, I get prompted for a user name and password.

You SHOULD be prompted for a user name and password if trying to access the **Administration** menu. Enter the **Administrator ID** and **Password** set on the **User** screen.

If you are just trying to view video, the user name/password prompt indicates that the administrator has restricted access to specified users. Ask the administrator for your user name and password.

I can't connect to the Gigaset WLAN Camera using a wireless connection.

1. If a LAN cable is connected to the LAN port, the wireless interface is disabled. Only one interface can be active.
2. Check that your PC and the Gigaset WLAN Camera have compatible wireless settings.
 - Mode (Infrastructure or Ad-hoc) must be correct.
 - ESSID must match.
 - WEP settings must match.
 - In Ad-hoc mode, the channel should match, although this is often not required.

Video quality may suddenly deteriorate.

This can happen when an additional viewer connects to the Gigaset WLAN Camera, overloading the camera or the available bandwidth. The image size and quality can be adjusted to cater for the required number of viewers and the available bandwidth.

The motion detection feature doesn't send me any e-mails.

It may be that the SMTP (Simple Mail Transport Protocol) server used by the Gigaset WLAN Camera to send the e-mail will not accept mail from the Gigaset WLAN Camera. Try using a different SMTP server. The Gigaset WLAN Camera derives the address of the SMTP server from the e-mail address you enter in the **Show "From" as** field.

Using the motion detection feature, I receive e-mails that don't show any moving objects.

The motion detection feature doesn't actually detect motion. It compares frames to see if they are different. Major differences between frames are assumed to be caused by moving objects.

But the motion detector can also be triggered by:

- ◆ Sudden changes in the level of available light.
- ◆ Movement of the camera itself.

Try to avoid these situations. The motion detection feature works best in locations where there is good steady illumination and the camera is mounted securely. The feature can NOT be used if the camera is outdoors.

The image is blurry.

Try cleaning the lens and adjusting the focus ring.

Specifications

Model	Gigaset WLAN Camera
Dimensions	164 mm (L) * 88 mm (W) * 54 mm (H) 6.4 inch (L) * 3.5 inch (W) * 2.1 inch (H)
Operating Temperature	0 °C to 40 °C
Storage Temperature	-10 °C to 70 °C
Network Protocols	TCP/IP, DHCP, SMTP, NTP, HTTP
Network Interface	1 Ethernet 10/100BaseT (RJ45) LAN connection
Wireless interface	IEEE 802.11b/802.11g compatible, Infrastructure/Ad-hoc mode, WEP and WPA security support, roaming support
LEDs	4
Power Adapter	5 V DC External

Approval

This device is intended for use within the European Union and Switzerland except Poland and Czech Republic. If used in other countries, it must first be approved nationally in the country in question.

Country-specific requirements have been taken into consideration.

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Author: Noel V Aguilar

Version: 1.4

Filename: cgi-lib.h

Program Library: CGI-LIB

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Appendix

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END OF TERMS AND CONDITIONS

Disposing



Dispose of devices in accordance with statutory requirements.

Kundenservice (Customer Care)

Wir bieten Ihnen schnelle und individuelle Beratung!

- ◆ Unser **Online-Support im Internet** ist immer und überall erreichbar:

www.siemens.com/gigasetcustomercare

Sie erhalten 24 Stunden Unterstützung rund um unsere Produkte. Sie finden dort ein interaktives Fehler-Suchsystem, eine Zusammenstellung der am häufigsten gestellten Fragen und Antworten sowie Bedienungsanleitungen und aktuelle Software-Updates zum Download.

Häufig gestellte Fragen und Antworten finden Sie auch in dieser Bedienungsanleitung.

- ◆ Persönliche Beratung zu unserem Angebot erhalten Sie bei der **Premium-Hotline:**

Deutschland 01 90 74 58 20 (1,24 Euro/Min.)

Österreich 09 00 30 08 08 (1,35 Euro/Min.)

Es erwarten Sie qualifizierte Siemens-Mitarbeiter, die Ihnen bezüglich Produktinformation und Installation kompetent zur Seite stehen.

- ◆ Im Falle einer notwendigen Reparatur, evtl. Garantie- oder Gewährleistungsansprüche erhalten Sie schnelle und zuverlässige Hilfe bei unseren **Service-Centern** in:

Deutschland 0 18 05 33 32 20 (0,12 Euro/Min.)

Österreich 05 17 07 50 04 (österreichweit zum Ortstarif)
(Telefon und FAX)

Schweiz 0848 212 000 (0,08 Sfr/Min.)

Belgien 0 78 15 22 21

Die persönliche Abgabe Ihres Siemens-Gerätes ist ausschließlich möglich in:

- Österreich**
 - ◆ Siemens Arts & Service
Dorotheengasse 12, A-1010 Wien
Mo. - Fr.: 10.00 - 18.00 Uhr, Sa.: 10.00 - 15.00 Uhr
 - ◆ Siemens Service Shop
Erdberger Lände 28, A-1030 Wien
Mo. - Do.: 8.30 - 17.00 Uhr, Fr.: 8.30 - 15.00 Uhr
 - ◆ Service Shop (ITWORX)
Quellenstraße 2, A-1100 Wien
Mo. - Fr.: 8.00 - 18.00 Uhr

Bitte halten Sie Ihren Kaufbeleg bereit.

In Ländern, in denen unser Produkt nicht durch autorisierte Händler verkauft wird, werden keine Austausch- bzw. Reparaturleistungen angeboten.

Garantie-Urkunde (Deutschland)

Dem Verbraucher (Kunden) wird unbeschadet seiner Mängelansprüche gegenüber dem Verkäufer eine Haltbarkeitsgarantie zu den nachstehenden Bedingungen eingeräumt:

- ◆ Neugeräte und deren Komponenten, die aufgrund von Fabrikations- und/oder Materialfehlern innerhalb von 24 Monaten ab Kauf einen Defekt aufweisen, werden von Siemens nach eigener Wahl gegen ein dem Stand der Technik entsprechendes Gerät kostenlos ausgetauscht oder repariert. Für Verschleißteile (z. B. Akkus, Tastaturen, Gehäuse) gilt diese Haltbarkeitsgarantie für sechs Monate ab Kauf.
- ◆ Diese Garantie gilt nicht, soweit der Defekt der Geräte auf unsachgemäßer Behandlung und/oder Nichtbeachtung der Handbücher beruht.
- ◆ Diese Garantie erstreckt sich nicht auf vom Vertragshändler oder vom Kunden selbst erbrachte Leistungen (z. B. Installation, Konfiguration, Softwaredownloads). Handbücher und ggf. auf einem separaten Datenträger mitgelieferte Software sind ebenfalls von der Garantie ausgeschlossen.
- ◆ Als Garantienachweis gilt der Kaufbeleg mit Kaufdatum. Garantieansprüche sind innerhalb von zwei Monaten nach Kenntnis des Garantiefalles geltend zu machen.
- ◆ Ersetzte Geräte bzw. deren Komponenten, die im Rahmen des Austauschs an Siemens zurückgeliefert werden, gehen in das Eigentum von Siemens über.
- ◆ Diese Garantie gilt für in der Europäischen Union erworbene Neugeräte. Garantiegeberin ist die Siemens Aktiengesellschaft, Schlavenhorst 88, D-46395 Bocholt.
- ◆ Weitergehende oder andere Ansprüche aus dieser Herstellergarantie sind ausgeschlossen. Siemens haftet nicht für Betriebsunterbrechung, entgangenen Gewinn und den Verlust von Daten, zusätzlicher vom Kunden aufgespielter Software oder sonstiger Informationen. Die Sicherung derselben obliegt dem Kunden. Der Haftungsausschluss gilt nicht, soweit zwingend gehaftet wird, z. B. nach dem Produkthaftungsgesetz, in Fällen des Vorsatzes, der groben Fahrlässigkeit, wegen der Verletzung des Lebens, des Körpers oder der Gesundheit oder wegen der Verletzung wesentlicher Vertragspflichten. Der Schadensersatzanspruch für die Verletzung wesentlicher Vertragspflichten ist jedoch auf den vertragstypischen, vorhersehbaren Schaden begrenzt, soweit nicht Vorsatz oder grobe Fahrlässigkeit vorliegt oder wegen der Verletzung des Lebens, des Körpers oder der Gesundheit oder nach dem Produkthaftungsgesetz gehaftet wird.
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- ◆ Eine Änderung der Beweislastregeln zum Nachteil des Kunden ist mit den vorstehenden Regelungen nicht verbunden.

Zur Einlösung der Garantie wenden Sie sich bitte an den Siemens Telefonservice. Die Rufnummer entnehmen Sie bitte der Bedienungsanleitung.

Garantie-Urkunde (Österreich)

Dem Verbraucher (Kunden) wird unbeschadet seiner Mängelansprüche gegenüber dem Verkäufer eine Haltbarkeitsgarantie zu den nachstehenden Bedingungen eingeräumt:

- ◆ Neugeräte und deren Komponenten, die aufgrund von Fabrikations- und/oder Materialfehlern innerhalb von 24 Monaten ab Kauf einen Defekt aufweisen, werden von Siemens nach eigener Wahl gegen ein dem Stand der Technik entsprechendes Gerät kostenlos ausgetauscht oder repariert. Für Verschleißteile (z. B. Akkus, Tastaturen, Gehäuse) gilt diese Haltbarkeitsgarantie für sechs Monate ab Kauf.
- ◆ Diese Garantie gilt nicht, soweit der Defekt der Geräte auf unsachgemäßer Behandlung und/oder Nichtbeachtung der Handbücher beruht.
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- ◆ Als Garantienachweis gilt der Kaufbeleg mit Kaufdatum. Garantieansprüche sind innerhalb von zwei Monaten nach Kenntnis des Garantiefalles geltend zu machen.
- ◆ Ersetzte Geräte bzw. deren Komponenten, die im Rahmen des Austauschs an Siemens zurückgeliefert werden, gehen in das Eigentum von Siemens über.
- ◆ Diese Garantie gilt für in der Europäischen Union erworbene Neugeräte. Garantiegeberin ist die Siemens Aktiengesellschaft, Quellenstraße 2, A-1100 Wien.
- ◆ Weitergehende oder andere Ansprüche als die in dieser Herstellergarantie genannten sind ausgeschlossen. Siemens haftet nicht für Betriebsunterbrechung, entgangenen Gewinn und den Verlust von Daten, zusätzlicher vom Kunden aufgespielter Software oder sonstiger Informationen. Die Sicherung derselben obliegt dem Kunden. Der Haftungsausschluss gilt nicht, soweit gesetzlich zwingend gehaftet wird, z. B. nach dem Produkthaftungsgesetz, in Fällen des Vorsatzes oder wegen der Verletzung des Lebens, des Körpers oder der Gesundheit.
- ◆ Durch eine erbrachte Garantieleistung verlängert sich der Garantiezeitraum nicht.
- ◆ Soweit kein Garantiefall vorliegt, behält sich Siemens vor, dem Kunden den Austausch oder die Reparatur in Rechnung zu stellen.
- ◆ Eine Änderung der Beweislastregeln zum Nachteil des Kunden ist mit den vorstehenden Regelungen nicht verbunden.

Zur Einlösung der Garantie wenden Sie sich bitte an den Siemens Telefonservice. Die Rufnummer entnehmen Sie bitte der Bedienungsanleitung.

Garantie-Urkunde (Belgien)

Dem Verbraucher (Kunden) wird unbeschadet seiner Mängelansprüche gegenüber dem Vertragshändler eine Garantie zu den nachstehenden Bedingungen eingeräumt:

- ◆ Wenn das neue Gerät oder Zubehör innerhalb von 24 Monaten nach Ankauf Defekte aufweist infolge von Produktions- bzw. Materialfehlern, hat Siemens die Wahl, das Gerät kostenlos zu reparieren oder durch ein anderes, dem Stand der Technik entsprechendes Gerät zu ersetzen. Im Falle von Teilen, die dem Verschleiß ausgesetzt sind (wie Batterien, Tastatur, Gehäuse), gilt diese Garantie für eine Dauer von sechs Monaten nach Kaufdatum.
- ◆ Diese Garantie gilt nicht, soweit der Defekt der Geräte auf unsachgemäßer Behandlung und/oder Nichtbeachtung der Handbücher beruht.
- ◆ Diese Garantie erstreckt sich nicht auf vom Vertragshändler oder vom Kunden selbst erbrachte Leistungen (z. B. Installation, Konfiguration, Softwaredownloads). Handbücher und ggf. auf einem separaten Datenträger mitgelieferte Software sind ebenfalls von der Garantie ausgeschlossen.
- ◆ Als Garantienachweis gilt der Kaufbeleg mit Kaufdatum. Garantieansprüche sind innerhalb von zwei Monaten nach Feststellung des Defekts geltend zu machen.
- ◆ Ersetzte Geräte bzw. deren Komponenten, die im Rahmen des Austauschs an Siemens zurückgeliefert werden, gehen in das Eigentum von Siemens über.
- ◆ Diese Garantie gilt für in der Europäischen Union erworbene Neugeräte. Garantiegeberin für in Belgien erworbene Geräte ist Siemens S.A., Chaussée de Charleroi 116, B-1060 Bruxelles.
- ◆ Weitergehende oder andere Ansprüche aus dieser Garantie sind ausgeschlossen, ausgenommen soweit die Haftung auf zwingendem Recht beruht wie etwa die gesetzliche Regelung zur Produkthaftung.
- ◆ Durch eine erbrachte Garantieleistung verlängert sich der Garantiezeitraum nicht.
- ◆ Soweit kein Garantiefall vorliegt, behält sich Siemens vor, dem Kunden den Austausch oder die Reparatur in Rechnung zu stellen.
- ◆ Eine Änderung der Beweislastregeln zum Nachteil des Kunden ist mit den vorstehenden Regelungen nicht verbunden.

Zur Einlösung dieser Garantie wenden Sie sich bitte an den Siemens Telefonservice. Die Rufnummer entnehmen Sie bitte der Bedienungsanleitung.

Garantie-Urkunde (Schweiz)

Dem Verbraucher (Kunden) wird unbeschadet seiner Mängelansprüche gegenüber dem Verkäufer eine Haltbarkeitsgarantie zu den nachstehenden Bedingungen eingeräumt:

- ◆ Neugeräte und deren Komponenten, die aufgrund von Fabrikations- und/oder Materialfehlern innerhalb von 12 Monaten ab Kauf einen Defekt aufweisen, werden von Siemens nach eigener Wahl gegen ein dem Stand der Technik entsprechendes Gerät kostenlos ausgetauscht oder repariert. Für Verschleissteile (z. B. Akkus, Tastaturen, Gehäuse, Gehäusekleinteile, Schutzhüllen – soweit im Lieferumfang enthalten) gilt diese Haltbarkeitsgarantie für sechs Monate ab Kauf.
- ◆ Diese Garantie gilt nicht, soweit der Defekt der Geräte auf unsachgemässer Behandlung und/oder Nichtbeachtung der Handbücher beruht.
- ◆ Diese Garantie erstreckt sich nicht auf vom Vertragshändler oder vom Kunden selbst erbrachte Leistungen (z. B. Installation, Konfiguration, Softwaredownloads). Handbücher und ggf. auf einem separaten Datenträger mitgelieferte Software sind ebenfalls von der Garantie ausgeschlossen.
- ◆ Als Garantienachweis gilt der Kaufbeleg mit Kaufdatum. Garantieansprüche sind innerhalb von zwei Monaten nach Kenntnis des Garantiefalles geltend zu machen.
- ◆ Ersetzte Geräte bzw. deren Komponenten, die im Rahmen des Austauschs an Siemens zurückgeliefert werden, gehen in das Eigentum von Siemens über.
- ◆ Diese Garantie gilt für in der Schweiz erworbene Neugeräte. Garantiegeberin ist die Siemens Schweiz AG, Albisriederstrasse 245, CH-8047 Zürich.
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- ◆ Durch eine erbrachte Garantieleistung verlängert sich der Garantiezeitraum nicht.
- ◆ Soweit kein Garantiefall vorliegt, behält sich Siemens vor, dem Kunden den Austausch oder die Reparatur in Rechnung zu stellen. Siemens wird den Kunden hierüber vorab informieren.
- ◆ Die Siemens Schweiz AG behält sich das Recht vor seine Servicearbeiten durch ein Subunternehmen ausführen zu lassen. Anschrift siehe www.siemens.ch/gigasetservice.
- ◆ Eine Änderung der Beweislastregeln zum Nachteil des Kunden ist mit den vorstehenden Regelungen nicht verbunden.
- ◆ Zur Einlösung dieser Garantie, wenden sie sich bitte an unsere Hotline Tel. 0848 212 000.

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:

www.siemens.com/gigasetcustomer-care

It will give you 24/7 support for all our products. It also provides interactive troubleshooting, a list of FAQs and answers plus user guide and current software updates for you to download.

You will also find frequently asked questions and answers in this user guide and in the document "Practical Tips and Configuration Examples" on the included CD.

- ◆ You will be given personal advice about our range of products on our **Premium Hotline:**

United Kingdom 0906 9597555 (0.75 £/minute)

You can talk to qualified Siemens technicians who will guide you expertly through product information and installation.

- ◆ For fast and dependable assistance with any repairs or guarantee/warranty claims, contact our **Service Centres:**

United Kingdom 0 87 05 33 44 11

Ireland 18 50 77 72 77

Please have your record of purchase ready when calling.

In some countries repair and replace services are impossible where the products are not sold through our authorised dealers.

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

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 to 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 is 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 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 make a claim under this Guarantee, please contact the Siemens helpdesk on 1850 777 277. This number is also to be found in the accompanying user guide.

Service clientèle (Customer Care)

Nous vous proposons une aide rapide et personnalisée !

- ◆ Notre **Support technique en ligne sur Internet** est accessible en tout lieu et en toute heure :

www.siemens.fr/servicegigaset

Vous disposez d'une assistance 24 heures sur 24 sur tous nos produits. Vous trouverez à cette adresse un système de détection d'erreurs, une compilation des questions les plus fréquemment posées et des réponses, ainsi que les manuels d'utilisation des produits et les dernières mises à jour des logiciels à télécharger.

La liste des questions les plus fréquemment posées et les réponses figure également dans ce manuel d'utilisation et dans le document « Cas d'application pratiques et exemples de configuration », sur le Cd-Rom fourni.

- ◆ Vous trouverez des conseils personnalisés sur nos produits en contactant notre **ligne d'assistance Premium** :

France	08 99 70 01 85	(1,35 EuroTTC/Appel puis 0,34 EuroTTC/Minute)
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Des collaborateurs de Siemens qualifiés vous y fourniront des informations produits et des conseils d'installation éclairés.

- ◆ Pour vos besoins de réparation ou vos questions liées à la garantie, vous obtiendrez une assistance rapide et fiable auprès de nos **Service Clients Siemens**, aux numéros suivants :

France	01 56 38 42 00	
Suisse	0848 212 000	(0,08 CHF/min)
Belgique	0 78 15 22 21	

Munissez-vous de votre preuve d'achat.

Nous ne proposons pas d'échange ou de services de réparation dans les pays où notre produit n'est pas distribué pas des revendeurs autorisés.

Pour les questions concernant votre connexion ADSL ou câble, contactez votre opérateur réseau.

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La présente garantie bénéficie, dans les conditions ci-après, à l'utilisateur final ayant procédé à l'acquisition de ce Produit Siemens (ci-après le Client). Pour la France, la présente garantie ne limite en rien, ni ne supprime, les droits du Client issus des articles 1641 et suivants du Code Civil Français relatifs à la garantie légale des vices cachés.

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- ◆ La présente garantie n'est pas valable en cas de non-respect des informations contenues dans le mode d'emploi, ou en cas de dommage manifestement provoqué par une manipulation ou une utilisation inadéquate.
- ◆ La présente garantie ne s'applique pas aux éléments et données fournis par le vendeur du Produit Siemens, ou installés par le Client lui-même (par ex. l'installation, la configuration, le téléchargement de logiciels, l'enregistrement de données). Sont également exclus de la présente garantie le manuel d'utilisation ainsi que tout logiciel fourni séparément sur un autre support de données, ainsi que les Produits Siemens dotés d'éléments ou d'accessoires non homologués par Siemens, les Produits dont les dommages sont causés volontairement ou par négligence (bris, casses, humidité, température inadéquate, oxydation, infiltration de liquide, surtension électrique, incendie, ou tout autre cas de force majeure), les Produits Siemens présentant des traces d'ouverture (ou de réparation et/ou modifications effectuées par un tiers non agréé par Siemens), et les Produits envoyés en port dû à Siemens ou à son centre agréé.
- ◆ La facture ou le ticket de caisse comportant la date d'achat par le Client sert de preuve de garantie. Une copie de ce document justifiant de la date de départ de la garantie est à fournir pour toute mise en œuvre de la présente garantie. Un justificatif d'achat doit au moins comporter le nom et le logo de l'enseigne, la date d'achat, le modèle concerné et le prix. Le Client doit faire valoir ses droits à garantie dans les deux mois de la découverte du vice du téléphone, sauf disposition impérative contraire.
- ◆ Le présent Produit Siemens ou ses composants échangés et renvoyés à Siemens ou son prestataire deviennent propriété de Siemens.
- ◆ La présente garantie s'applique uniquement aux Produits Siemens neufs achetés au sein de l'Union Européenne. Elle est délivrée par Siemens SAS, 9, rue du Docteur Finot, F- 93200 Saint Denis pour les téléphones achetés en France.
- ◆ La présente garantie représente l'unique recours du Client à l'encontre de Siemens pour la réparation des vices affectant le Produit Siemens. Siemens exclut donc toute autre responsabilité au titre des dommages matériels et immatériels directs ou indirects, et notamment la réparation de tout préjudice financier découlant d'une perte de bénéfice ou d'exploitation, ainsi que des pertes de données. En aucun cas Sie-

Siemens n'est responsable des dommages survenus aux biens du Client sur lesquels est connecté, relié ou intégré le Produit Siemens, sauf disposition impérative contraire. De même, la responsabilité de Siemens ne peut être mise en cause pour les dommages survenus aux logiciels intégrés dans le Produit Siemens par le Client ou tout tiers à l'exception de Siemens.

- ◆ La mise en jeu de la présente garantie, et l'échange ou la réparation concernant le Produit Siemens ne font pas naître une nouvelle période de garantie, qui demeure en tout état de cause la durée initiale, sauf disposition impérative contraire.
- ◆ Siemens se réserve le droit de facturer au client les frais découlant du remplacement ou de la réparation du Produit Siemens lorsque le défaut du Produit Siemens n'est pas couvert par la garantie. De même, Siemens pourra facturer au Client les frais découlant de ses interventions sur un Produit Siemens remis par le Client et en bon état de fonctionnement.

Pour faire usage de la présente garantie, veuillez contacter en priorité votre revendeur, ou bien le service téléphonique de Siemens dont vous trouverez le numéro dans le manuel d'utilisation ci-joint.

Certificat de garantie (Belgique)

Nonobstant ses droits vis-à-vis du dealer, l'utilisateur (client) peut faire valoir son droit de garantie aux conditions suivantes :

- ◆ Si le nouvel appareil ou ses accessoires présentent des défauts dans les 24 mois après l'achat suite à des vices de fabrication et/ou fautes de matériel, Siemens a le choix soit de réparer gratuitement l'appareil soit de le remplacer par un autre appareil de technique récente. Dans le cas de pièces exposées à l'usure (batteries, clavier, boîtier), cette garantie sera valable pour une période de six mois après la date d'achat.
- ◆ Cette garantie n'est pas d'application dans la mesure où le défaut de l'appareil résulte d'une mauvaise utilisation et/ou du non-respect des instructions contenues notamment dans le manuel d'utilisateur.
- ◆ Cette garantie ne s'applique pas aux services qui sont effectués par des dealers autorisés ou le client lui-même (tels que installation, configuration, téléchargement de logiciels). Les instructions d'utilisation et logiciels éventuels livrés sur des supports d'information séparés sont également exclus de cette garantie.
- ◆ La preuve d'achat datée tient lieu de certificat de garantie. Pour être recevable, tout appel à cette garantie devra être exercé dans les deux mois après constatation du défaut.
- ◆ Les appareils resp. accessoires échangés qui sont retournés à Siemens dans le cadre du remplacement, deviennent la propriété de Siemens.
- ◆ Cette garantie est valable pour les nouveaux appareils achetés en Union Européenne. La garantie pour les appareils achetés en Belgique est assurée par Siemens S.A, Chaussée de Charleroi 116, B 1060 Bruxelles.
- ◆ Des droits de garantie autres que ceux stipulés dans cette garantie sont exclus, sauf si la responsabilité repose sur des dispositions impératives telles que la législation sur la responsabilité du fait des produits.
- ◆ La durée de garantie ne se prolonge pas par la prestation de services fournis dans le cadre de la garantie pendant la période de garantie.
- ◆ Pour autant qu'il ne s'agisse pas d'un cas de garantie, Siemens se réserve le droit de facturer au client les frais de réparation ou de remplacement.
- ◆ Les dispositions susmentionnées n'impliquent aucun changement à la charge de preuve incombant au client.

Pour bénéficier de cette garantie, veuillez prendre contact téléphoniquement avec Siemens. Vous trouverez le numéro de téléphone dans le manuel d'utilisateur ci-joint.

Certificat de garantie (Suisse)

La présente garantie bénéficie, dans les conditions ci-après, à l'utilisateur (Client), sans préjudice de ses droits de réclamation envers le vendeur :

- ◆ Si un produit neuf et ses composants présentent des vices de fabrication et/ou de matière dans les 12 mois suivant l'achat, Siemens, à sa seule discrétion, procédera à sa réparation ou le remplacera gratuitement par un modèle équivalent correspondant à l'état actuel de la technique. La présente garantie est valable pendant une période de six mois à compter de la date d'achat pour les pièces soumises à l'usure (par ex. batteries, claviers, boîtiers, petites pièces de boîtiers, housses – si compris dans la fourniture).
- ◆ La présente garantie n'est pas valable en cas de non-respect des informations contenues dans le mode d'emploi, et/ou en cas de dommage provoqué par une manipulation ou une utilisation non conforme.
- ◆ La présente garantie ne s'étend pas aux prestations du distributeur ou du Client lui-même (p. ex. l'installation, la configuration, le téléchargement de logiciels). Sont également exclus de la présente garantie les manuels d'utilisation et, le cas échéant, tout logiciel fourni séparément sur un autre support de données.
- ◆ Le ticket de caisse comportant la date d'achat sert de preuve de garantie. Le Client doit faire valoir ses droits à garantie dans les deux mois qui suivent la découverte du défaut.
- ◆ Les appareils remplacés et leurs composants échangés et renvoyés à Siemens deviennent la propriété de Siemens.
- ◆ La présente garantie s'applique aux appareils neufs achetés en Suisse. Elle est délivrée par la société Siemens Schweiz AG, Albisriederstrasse 245, 8047 Zurich, Suisse.
- ◆ Des recours autres ou plus étendus que ceux cités dans la présente garantie du fabricant sont exclus. Siemens décline toute responsabilité en cas d'arrêt d'exploitation, de perte de bénéfices et de perte de données, de logiciels supplémentaires utilisés par le Client ou d'autres informations. L'assurance les concernant est à la charge du Client. Si des dispositions légales imposent la responsabilité, notamment conformément à la loi sur la responsabilité du fait du produit, en cas de préméditation ou de négligence grave, suite à une atteinte portée à la vie, à l'intégrité physique ou à la santé, la clause de non-responsabilité ne s'applique pas.
- ◆ Une mise en jeu de la présente garantie ne prolonge pas la durée de garantie.
- ◆ Siemens se réserve le droit de facturer au Client les frais découlant du remplacement ou de la réparation lorsque le défaut n'est pas couvert par la garantie. Siemens en informera le Client au préalable.
- ◆ La société Siemens Schweiz AG se réserve le droit de sous-traiter ses prestations de réparation après-vente. Voir adresse sur www.siemens.ch/giqasetservice.
- ◆ Une modification des règles de charge de la preuve au détriment du Client n'est pas liée aux règles précitées.
- ◆ Pour faire usage de la présente garantie, veuillez contacter notre ligne d'assistance au numéro 0848 212 000.

Servizio Clienti (Customer Care)

Un supporto semplice e rapido in caso di domande tecniche o sull'uso del dispositivo è sempre disponibile tramite il nostro Supporto Online in Internet al sito:

www.siemens.com/customer-care

Il sito offre supporto 24 ore su 24 per tutti i nostri prodotti e propone anche un sistema interattivo di ricerca guasti, una raccolta delle domande ricorrenti e la possibilità di scaricare gli aggiornamenti del software.

Le domande più frequenti, e le relative risposte, si trovano anche nel presente manuale al capitolo "Troubleshooting" a pagina 69.

Per consulenza personalizzata riguardo a: applicazioni e servizi dati rivolgetevi alla **Hot Line Premium:**

Italia	899 842 423	1 euro/minuto da telefono fisso e 1,42 euro/minuto da cellulare; durata massima del servizio 10 minuti
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Per altre informazioni commerciali, servizio di assistenza, difetti del dispositivo o richiesta di riparazione, rivolgersi al Servizio Telefonico Siemens.

Italia	Numero dedicato	02 24 36 44 00
Svizzera	Centro di servizio	0848 212 000

Il servizio Siemens è a disposizione in caso di anomalie del dispositivo. In caso di domande sul suo uso, rivolgersi al proprio rivenditore.

Le domande relative alla linea DSL e via cavo vanno rivolte al gestore della rete.

Nei paesi in cui il prodotto non venga commercializzato tramite la rete dei rivenditori autorizzati, non è disponibile il servizio di sostituzione o riparazione.

Certificato di garanzia (Italia)

Al consumatore (cliente) viene accordata dal produttore una garanzia alle condizioni di seguito indicate, lasciando comunque impregiudicati, nei confronti del venditore, i diritti di cui al D. Lgs. 02/02/2002 n. 24:

- ◆ In caso dispositivi nuovi e relativi componenti risultassero viziati da un difetto di fabbricazione e/o di materiale entro 24 mesi dalla data di acquisto, Siemens si impegna, a sua discrezione, a riparare o sostituire gratuitamente il dispositivo con un altro più attuale. Per le parti soggette a usura (quali batterie, tastiere e alloggiamenti) la validità della garanzia è di 6 mesi dalla data di acquisto.
- ◆ La garanzia non vale se il difetto è stato provocato da un utilizzo non conforme e/o se non ci si è attenuti ai manuali d'uso.
- ◆ La garanzia non può essere estesa a prestazioni (quali installazioni, configurazioni, download di software) effettuate dal concessionario o dal cliente stesso. Sono altresì esclusi dalla garanzia i manuali e il software eventualmente fornito su supporto a parte.
- ◆ Per ottenere il riconoscimento della garanzia è necessario conservare un documento fiscalmente valido comprovante la data di acquisto. I difetti di conformità devono essere denunciati entro il termine di due mesi dal momento della loro constatazione.
- ◆ I dispositivi o i componenti resi a fronte di una sostituzione diventano di proprietà di Siemens.
- ◆ La presente garanzia è valida per tutti i dispositivi acquistati all'interno dell'Unione Europea. Garante per i prodotti acquistati in Italia è la Siemens S.p.A., Viale Piero e Alberto Pirelli 10, 20126 Milano.
- ◆ Si escludono ulteriori responsabilità di Siemens, salvo il caso di comportamento doloso o gravemente colposo di quest'ultima. A titolo esemplificativo e non limitativo si segnala che Siemens non risponderà in nessun caso di: eventuali interruzioni di funzionamento del dispositivo, mancato guadagno, perdita di dati, danni a software supplementari installati dal cliente o perdita di altre informazioni.
- ◆ La prestazione eseguita in garanzia non prolunga il periodo di garanzia.
- ◆ Nei casi non coperti da garanzia, Siemens si riserva il diritto di addebitare al cliente le spese relative alla sostituzione o riparazione.
- ◆ Il presente regolamento non modifica in alcun caso le regole probatorie a svantaggio del cliente.

Per l'adempimento della garanzia contattare il Centro telefonico Siemens. I numeri telefonici sono riportati nell'allegato manuale d'uso.

Certificato di garanzia (Svizzera)

Al consumatore (cliente) è concessa una garanzia di durata del prodotto, salvo i propri diritti in caso di vizi del prodotto nei confronti del rivenditore, per le condizioni indicate di seguito.

- ◆ Gli apparecchi nuovi e i relativi componenti che, per errori di fabbricazione e/o nei materiali presentino un difetto entro 12 mesi dall'acquisto, vengono, a scelta di Siemens, riparati o sostituiti gratuitamente con un apparecchio di livello tecnico equivalente. Per le parti soggette a usura (per es. batterie, tastiere, alloggiamenti, piccole parti degli alloggiamenti e foderine di protezione – se inclusi nella fornitura) la validità della garanzia è di sei mesi dalla data di acquisto.
- ◆ La garanzia perde ogni validità nel caso in cui il guasto degli apparecchi sia provocato da un utilizzo improprio e/o dall'inosservanza dei libretti di istruzione.
- ◆ Questa garanzia non si estende alle prestazioni aggiunte dal rivenditore o dal cliente stesso (per esempio installazione, configurazione, download di software). Sono altresì esclusi dalla garanzia i manuali e il software eventualmente fornito su supporto a parte.
- ◆ Per ottenere il riconoscimento della garanzia è necessario conservare un documento fiscalmente valido comprovante la data di acquisto. I difetti di conformità devono essere denunciati entro il termine di due mesi dal momento della loro constatazione.
- ◆ Gli apparecchi sostituiti e i relativi componenti, restituiti a Siemens nell'ambito dello scambio, diventano di proprietà di Siemens.
- ◆ La presente garanzia è valida per tutti gli apparecchi acquistati in Svizzera. Garante per i prodotti acquistati è Siemens Schweiz AG, Albisriederstrasse 245, CH-8047 Zurigo.
- ◆ La presente garanzia esclude qualsiasi altro tipo di richiesta o indennizzo. Siemens non risponderà in nessun caso di eventuali interruzioni di funzionamento dell'apparecchio, mancato guadagno, perdita di dati, danni a software supplementari installati dal cliente o perdita di altre informazioni. La sicurezza degli stessi spetta al cliente. L'esonero da responsabilità non è applicabile, nella misura in cui si è obbligatoriamente responsabili, per esempio ai sensi della legge sulla responsabilità dei prodotti, in casi di intenzionalità, di incuranza grave, a causa di ferimento, uccisione o danni alla salute
- ◆ La prestazione eseguita in garanzia non prolunga il periodo di garanzia.
- ◆ Nel caso non esista alcuna operatività della garanzia, Siemens si riserva il diritto di addebitare al cliente la sostituzione o la riparazione. In questo caso, Siemens provvederà ad avvertire anticipatamente il cliente.
- ◆ Siemens Schweiz AG si riserva il diritto di far eseguire i lavori di manutenzione da un subappaltatore. Per l'indirizzo, vedere www.siemens.ch/gigaset-service. Il presente regolamento non modifica in alcun caso le regole probatorie a svantaggio del cliente.
- ◆ Per l'adempimento della garanzia, contattare la nostra Hotline al numero 0848 212 000.

Klantenservice (Customer Care)

Wij geven u snel en individueel advies! U heeft drie mogelijkheden om met ons in contact te komen:

Onze **on-linesupport op internet**:

www.siemens.com/customercare

Altijd en overal bereikbaar. U krijgt 24-uurs-ondersteuning rondom onze producten. U vindt daar een verzameling van de meest gestelde vragen en antwoorden alsmede bedieningshandleidingen en actuele software-updates om te downloaden.

Nadere informatie vindt u in een uitvoerige installatiehandleiding en in het document "Praktische toepassingen en configuratie voorbeelden" op de product-CD.

De meest gestelde vragen en antwoorden vindt u ook in de gebruiksaanwijzing.

In geval van een noodzakelijke reparatie of eventuele garantieclaims krijgt u snelle en betrouwbare hulp bij onze **klantenservice** in:

Nederland **0900 - 333 3104**

België **0 78 15 22 21**

Houd uw aankoopbewijs a.u.b. bij de hand.

Voor vragen over DSL- of kabelaansluiting kunt u terecht bij uw netwerkaanbieder.

In landen waar ons product niet door gemachtigde dealers wordt verkocht, wordt geen vervanging of reparatie aangeboden.

Garantie (België)

Ongeacht zijn aanspraken ten opzichte van de dealer, kan de gebruiker (klant) aanspraak maken op een garantie onder de onderstaande voorwaarden:

- ◆ Wanneer het nieuwe apparaat en bijbehorende componenten binnen 24 maanden na aankoop defecten vertonen als gevolg van productie- en/of materiaalfouten, zal Siemens naar eigen keuze het apparaat kosteloos repareren of vervangen door een ander apparaat volgens de laatste stand van de techniek. In geval van delen die aan slijtage onderhevig zijn (zoals batterijen, keypads, behuizing), geldt deze garantiebepaling voor een periode van zes maanden na aankoopdatum.
- ◆ Deze garantie is niet van toepassing voor zover het defect aan het apparaat het gevolg is van onoordeelkundig gebruik en/of het niet in acht nemen van de informatie zoals vermeld in de gebruiksaanwijzingen.
- ◆ Deze garantie geldt niet voor diensten die zijn uitgevoerd door geautoriseerde dealers of de klant zelf (zoals installatie, configuratie, software-downloads). Gebruiksaanwijzingen en eventueel op aparte informatiedragers meegeleverde software zijn eveneens van deze garantie uitgesloten.
- ◆ Als garantiebewijs geldt de aankoopbon met de aankoopdatum. Aanspraken die onder deze garantie vallen, dienen binnen twee maanden nadat het defect vastgesteld is geldend te worden gemaakt.
- ◆ Vervangen apparaten resp. bijbehorende componenten die in het kader van de vervanging aan Siemens zijn teruggestuurd, worden eigendom van Siemens.
- ◆ Deze garantie geldt voor nieuwe apparaten die gekocht zijn in de Europese Unie. De garantie voor toestellen aangekocht in België wordt verleend door N.V. Siemens, Charleroisesteenweg 116, B 1060 Brussel.
- ◆ Verdergaande of. andere aanspraken dan vermeld in deze garantie zijn uitgesloten, behoudens voor zover aansprakelijkheid berust op bepalingen van dwingend recht, zoals de wettelijke regeling inzake productaansprakelijkheid.
- ◆ De duur van de garantie wordt niet verlengd door diensten die in het kader van de garantie tijdens de duur van de garantie worden verleend.
- ◆ Voor zover het niet om een garantiegeval gaat, behoudt Siemens zich het recht voor, de klant voor het vervangen of repareren kosten in rekening te brengen.
- ◆ De bovenvermelde bepalingen beogen geen verandering in de bewijslast ten nadele van de klant.

Neem, om gebruik te maken van deze garantie, telefonisch contact op met Siemens. Het telefoonnummer vindt u in de bijgevoegde gebruikshandleiding.

Garantie (Nederland)

Siemens verleent de consument een garantie van 24 maanden voor dit toestel, te rekenen vanaf de datum van aankoop. Als bewijs hiervoor geldt de aankoopfactuur. Binnen de garantietermijn zal Siemens alle gebreken die het gevolg zijn van materiaal- en/of productiefouten kosteloos repareren of het defecte toestel vervangen. In dit geval kan contact worden opgenomen met de Siemens Klantenservice, alwaar de reparatie dient te worden aangemeld. Bij de Klantenservice worden een zogenaamd RMA nummer (Return Material Authorisation) en verzendinstructies verstrekt. Wanneer de consument wordt verzocht het product aan Siemens Nederland ter reparatie aan te bieden, zullen de verzendkosten voor eigen rekening zijn.

De garantie vervalt indien:

- ◆ reparaties, vervanging of uitbreidingen aan het toestel zijn verricht door anderen dan Siemens zonder haar schriftelijke toestemming;
- ◆ het toestel naar het oordeel van Siemens is verwaarloosd dan wel onvoorzichtig en/of ondeskundig is gebruikt, behandeld en/of onderhouden, en/of er sprake is van normale slijtage;
- ◆ typenummers en/of serienummers en/of garantiestickers zijn beschadigd, verwijderd en/of veranderd;
- ◆ wijzigingen in garantiekaart en/of aankoopfactuur zijn aangebracht;
- ◆ door verkeerd inleggen en/of lekkage van vervangbare accu's (oplaadbare batterijen) door gebruik van niet voorgeschreven accu's (oplaadbare batterijen) defecten zijn ontstaan;
- ◆ defecten zijn ontstaan door het niet volgens voorschriften aansluiten en/of installeren van de (goedgekeurde) zaken;
- ◆ defecten zijn ontstaan ten gevolge van afwijkende omgevingscondities, voor zover dergelijke condities zijn aangegeven;
- ◆ defecten zijn ontstaan door overige van buitenaf komende oorzaken;
- ◆ de verzegeling, voorzover aanwezig, is verbroken.

De garantietermijn wordt niet verlengd of vernieuwd door uitvoering van garantiwerkzaamheden, met dien verstande dat de garantie op uitgevoerde werkzaamheden drie maanden bedraagt.

Wettelijke aanspraken van de consument, waaronder tevens begrepen wettelijke aanspraken jegens de verkoper, worden door deze garantie noch uitgesloten, noch beperkt.

Deze garantie wordt verleend door:

Siemens Nederland N.V.

Servicio Técnico (Servicio de Atención al Cliente)

Nuestro **Servicio de Asistencia Online** en Internet:

www.siemens.com/customercare

En caso de averías del equipo o consultas acerca de la garantía, diríjase a nuestro

Servicio de Asistencia 902 115061

Por favor tenga a mano el resguardo de compra.

En los países en los que no se compran nuestros productos a través de proveedores autorizados no se ofrecen servicios de sustitución o reparación.

Certificado de garantía

Sin perjuicio de las reclamaciones que presente al vendedor, se otorgará al usuario (cliente) la garantía del fabricante bajo las condiciones detalladas a continuación:

- ◆ En caso de que los nuevos terminales y sus componentes resulten defectuosos como consecuencia de la fabricación o defectos de material dentro de un plazo de 24 meses a partir de su adquisición, Siemens, discrecionalmente y de forma gratuita, reparará dicho terminal o sustituirá el terminal por otro que corresponda al estado tecnológico del terminal actual. En cuanto a las partes sometidas a desgaste (p.ej. pilas, teclados, carcasas) esta garantía será válida durante seis meses a partir de la fecha de su adquisición.
- ◆ Esta garantía perderá su validez en caso de que el defecto del equipo se pueda atribuir al manejo indebido o al incumplimiento de la información detallada en el manual de usuario.
- ◆ Esta garantía no incluye los servicios prestados por el vendedor autorizado ni los que el cliente instale (p.ej. instalación, configuración, descargas de software). Asimismo se excluye de la garantía los manuales y cualquier software que se hayan proporcionado en un medio de datos separado.
- ◆ El recibo y la fecha de compra constituyen el comprobante para exigir el cumplimiento de la garantía. Cualquier reclamación de garantía deberá presentarse dentro de un plazo de dos meses tras haber ocurrido el defecto cubierto por la garantía.
- ◆ Los terminales o componentes reemplazados y devueltos a Siemens volverán a ser propiedad de Siemens.
- ◆ Esta garantía se aplica a nuevos dispositivos adquiridos en la Unión Europea. La garantía la concede Siemens S.A., Ronda de Europa, 5 28760 Tres Cantos.
- ◆ Se excluirán aquellas reclamaciones que difieran de o excedan las citadas en la garantía de este fabricante, siempre que no estén cubiertas por la legislación española de protección a los consumidores. Siemens no se responsabiliza de interrupciones operativas, lucro cesante ni pérdida de datos, software adicional cargado por el cliente ni de ninguna otra información, ni de cualquier daño indirecto, o que no sea previsible y típico para este tipo de contratos. Será responsabilidad del cliente obtener una copia de seguridad de dicha información. Más allá de esta garantía, quedan excluidas cualesquiera otras responsabilidades de Siemens en relación con este terminal o con cualquiera de sus componentes, sin perjuicio de lo establecido en la legislación española sobre protección de los consumidores y sobre responsabilidad civil por daños causados por productos defectuosos, y siempre que no medie dolo o culpa grave de Siemens.
- ◆ La duración de la garantía no se extenderá en virtud de los servicios prestados según las condiciones de garantía.
- ◆ Siemens se reserva el derecho de cobrarle al cliente el reemplazo o la reparación en caso de que el defecto no sea cubierto por la garantía, siempre que dicho cliente haya sido informado previamente de esta circunstancia.

- ◆ Las normas antes mencionadas no suponen ninguna exigencia de inversión de la carga de la prueba en detrimento del cliente.
- ◆ Para solicitar el cumplimiento de esta garantía, contacte con el servicio telefónico de Siemens.

El número correspondiente figura en la guía de usuario adjunta.

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