#### **Types of access** 7

Communication with the heat exchanger (GMM - Güntner Motor Management) can be carried out in two ways. In access point mode, direct communication is established between the terminal (smartphone, laptop, tablet) and the GMM. The device settings can be specified either using the downloadable app or with a standard browser (Internet Explorer, Mozilla Firefox, Chrome, etc.). Direct access via Internet Explorer is set up using the default IP address: 192.168.0.1 This IP address is entered into the address field of the Explorer.

In client mode a connection is set up between the heat exchanger (GMM - Güntner Motor Management) and the corporate network. The system data is accessed from the terminal device (PC, laptop, etc.) via a standard browser (Internet Explorer, Mozilla Firefox, Chrome, etc.). For this type of access the server needs to assign the module a fixed IP address. In networks that possess a DHCP server, this IP address is assigned automatically. The unit can be uniquely identified within the network by the MAC address printed on the GCM module, and this MAC address can be seen in the mapping table of the DHCP server. For networks without DHCP servers, the IP address has to be assigned manually in the router settings.



Direct access (access point)

Indirect access (client)



# 8 Commissioning

#### Direct access (access point)

1.Direct access can use either an Ethernet cable or WLAN. You will need to have the right settings on your GCM (W)LAN module.

 $\rightarrow$  Slide switches: the upper slide switch must be set to "ON". The setting for the lower slide switch depends on how the module is wired to the bus. If the Rail module is in the middle of the bus cabling, then the switch must be set to "OFF". If the module is at the beginning or the end of the bus cabling, then the slide switch must be set to "ON".

 $\rightarrow$  The LED "WLAN" or "Ethernet" (depending on what access mode you are using) should flash green; if it doesn't then there is no connection to the terminal device. The Ethernet LED is right next to the Ethernet socket.

2.Set up a connection from your terminal equipment to the module. You do this by connecting to the network "Güntner-<xxxx>". This will be one of the available networks offered by the network configuration. For a WLAN connection you will also need the network key. This is "guentnerpwd" as standard and will need to be changed after successful commissioning in order to prevent any unauthorised access to the system. The network name and network key can subsequently be changed under "Settings".

3.Now open the app or your web browser (Internet Explorer, Mozilla Firefox, Google Chrome, etc.).

 $\rightarrow$  In the app, select "Direct Access (Access Point)" and confirm the controller type (EC, phase cut, ...) and your language.

 $\rightarrow$  In your browser, enter the default IP address 192.168.0.1 in the address bar. Next you will be prompted to enter the user name and password.

For commissioning, enter the **default user name: "admin"** and the **default password** "guentnerpwd".

Both will need to be changed later under "Settings".

### NOTICE

The password (network key) needs to be changed after commissioning in order to avoid any unauthorised external intervention.

4.You should now see the Home menu.



#### Indirect access (client):

1.Indirect access operates via the (corporate) network, which is connected via WLAN or Ethernet to the GCM (W)LAN module. For this you will need the correct settings on your GCM (W)LAN module:

 $\rightarrow$  Slide switches: the top slide switch must be set to "ON". The setting for the lower slide switch depends on how the module is wired to the bus. If the Rail module is in the middle of the bus cabling, then the switch must be set to "OFF". If the module is at the beginning or the end of the bus cabling, then the slide switch must be set to "ON".

 $\rightarrow$  The LED "WLAN" or "Ethernet" (depending on what access mode you are using) should flash green; if it doesn't then there is no connection to the terminal device. The Ethernet LED is right next to the Ethernet plug.

You can now access the GMM from the network.

2.Before any of the PCs, tablets, laptops, etc., in the network can access the GMM, it will have to be assigned a fixed IP address by the server.

If there is a DHCP server, the module can be identified within the network by the MAC address printed on its case. For networks without DHCP servers, IP addresses are assigned in the router settings.



## 9 Menus

The app functions are laid out in five menus. The menus Home, Features, Device Info, Settings and Service give you a clear overview and make for a control unit that is quick and easy to use.



The **Home** menu gives you a concise overview of the current status of your heat exchanger. Among other things, it shows you fault reports, actual values, control values of fans and the activated functions.

Under **Features** you will find functions that are especially geared to the features of refrigeration engineering, such as night limiter, low capacity motor management, cleaning run or the tear-off function, in order to configure your heat exchanger for your particular application.

The menu **Device Info** is your primary information panel. Here you can view actual values and status information at a glance, such as the condensing temperature and the power consumption and speed of the fans.

Under **Settings** you can carry out specific configuration functions for your system, such as specifying setpoints, activating manual operation (inverse or normal) or changing threshold settings.

In the **Service Menu** you can modify other settings, for example to configure the PID controller, specify the refrigerant or reset the controller to its factory settings.

Password Service Menu = guentnerpwd



# 10 Other

## 10.1 Info Button

The Info button provides information about all the app's functions and settings. In the app you will find the Info button at top right; click on it to open it. It is indicated by a grey "i" in a circle.



## 10.2 Fault reports

If there is any malfunction in the heat exchanger, the fault report lamp in the Home menu will appear red. You can call up the current fault and the alarm history by clicking on the arrow (after the faults) for detailed information about the cause of the problem and how to resolve it.

Info menu	-		
	0		
Operating signal	•		
External enabling			
Errors	•	←	Errors
Actual value [°C]	29.4		
Setpoint [°C]	28		
Control value [%]	100%		
GMM date / time	10.03.15 / 14:55		
🎁 👙 🕼	) 0, 6		

## 10.3 Upload/Download Parameters

The functions for uploading and downloading parameters may be found under "Settings". You can store all the settings – for instance to protocol the initial commissioning – on your smartphone. The saved parameter files can be uploaded to the GMM again at a later date or transferred to other units.



# 11 LAN and WLAN configuration

A number of steps are needed to integrate the GCM (W)LAN optimally in a network. You need to know the IP address of the unit in order to access it in the network. You will need the IP address for the following actions:

-Configuration of the actual LAN IP address, i.e. assignment via DHCP or fixed IP address -Configuration of the parameters of the connected GMM

-WLAN configuration

-Configuration of the GMM and GHM BACnet server

-Configuration of the GMM and GHM Modbus TCP/IP server

The GCM (W)LAN is configured in the delivery settings as a DHCP client. In other words, it expects a DHCP server in the LAN network, which will assign it a valid IP address for participating in the LAN network.

This LAN IP address can then be used to access the unit in the network, for example with the aid of a standard browser. Because this IP address is dynamic, in other words it can change every time the unit is switched on and off, or there is no DHCP server available in the network, it is advisable to assign a fixed IP address to the module. The first step required to perform this configuration, however, is to connect to the unit in the network. Various options are illustrated in the further course of this manual to show you how to do this.

As soon as you have established the IP address of your unit, you can enter it in the browser and access the web configuration:

To do this, open your browser and enter this IP address in the address bar.

You should then see the homepage of the configuration interface.

The default user name is "admin" and the default password is "guentnerpwd".



The website password can be changed subsequently under "Settings"  $\rightarrow$  with the "Change website password" option.



Make sure that you can also access this password later on.



## 11.1 MAC address

The GCM (W)LAN label contains important information, which you will need below. The Ethernet MAC address is important to note in this respect.

Every network device has a unique Ethernet MAC address.

The Ethernet MAC is for the LAN interface.





## **11.2** Establishing access options and the IP address

## 11.2.1 Option 1: Connection via WLAN

The WLAN wireless network is enabled by default in the delivery settings.

Make sure also that the small slide switch on the GCM (W)LAN is set to "**WLAN AP**" or "**Hotspot**". The GCM (W)LAN will then operate as an access point.

You now have to: Connect the PC with WLAN or a mobile device, for example a smartphone or tablet, to the WLAN wireless network, which should now be visible. See also <u>Commissioning</u>, page 14.

Now open a browser on your device and enter 192.168.**0**.1 in the address bar. You can now log in and make further settings.





## 11.2.2 Option 2: Direct connection to a standard PC

A very simple way to access GCM (W)LAN is to establish a direct network connection between a standard PC and the GCM (W)LAN module. The computer's network card or any additional network card (e.g. a USB/LAN adapter) has to be configured for this purpose however. In other words, appropriate admin rights are required on the computer.

The next example shows a computer connected directly to the GCM (W)LAN in a GMM EC via a separate USB/Ethernet adapter and a network cable.



Alternatively, however, you can also use the existing network interfaces on your computer. Establish a direct connection between the computer and GCM (W)LAN for this purpose. **Caution!** A standard (untwisted) patch cable can be used on most computers nowadays, since current network components automatically establish the correct wire pair for communication when switched on.

In the case of older network interfaces, it may be necessary to use a twisted network cable.

Now open the relevant interface configuration in your network configuration. You may be asked at this point to enter your administrator name and password.



-		
Verbindung	_	
IPv4-Konnektivit	ät:	Kein Netzwerkzugriff
IPv6-Konnektivit	ät:	Kein Netzwerkzugriff
Medienstatus:		Aktiviert
Dauer:		00:24:45
Übertragungsra	te:	100,0 MBit/s
AktivitātG	esendet —	🚛 — Empfangen
Aktivität G	iesendet — 388	Empfangen

Choose the Internet protocol 4 (TCP/IPv4) and choose "Properties".

/erbindung berstellen i	iber		
	ISB 3.0 to Gigshit Etherne	t Adapter	
	ob 5.0 to digubit Eliterne		
		Konfigurier	en
iese Verbindung verw	vendet folgende Elemente	i.	_
Fortinet NDIS6	Packet Filter Driver		*
🗹 📇 QoS-Paketplar	ier		
Datei- und Druc	kerfreigabe für Microsoft-	Netzwerke	
Internetprotoko	Il Version 6 (TCP/IPv6)		=
<ul> <li>Internetprotoko</li> <li>Internetprotoko</li> </ul>	Il Version 6 (TCP/IPv6) Il Version 4 (TCP/IPv4)		Ш
<ul> <li>Internetprotoko</li> <li>Internetprotoko</li> <li>E/A-Treibertur</li> </ul>	II Version 6 (TCP/IPv6) II Version 4 (TCP/IPv4) Verbindungsschicht-Top	ologieerkennungs	∃ szu
<ul> <li>Internetprotoko</li> <li>Internetprotoko</li> <li>Internetprotoko</li> <li>E/A-1 reiber fur</li> <li>Antwort für Verb</li> </ul>	Il Version 6 (TCP/IPv6) Il Version 4 (TCP/IPv4) Verbindungsschicht-Topo indungsschicht-Topologi	ologieerkennungs eerkennung	szu 🗧
Internetorotoko     Internetorotoko     Internetprotoko     Internetprotoko     Internetprotoko     Internetprotoko     Internetorotoko     I	II Version 6 (TCP/IPv6) II Version 4 (TCP/IPv4) Verbindungsschicht-Topo indungsschicht-Topologi III	ologieerkennungs eerkennung	szu -
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<ul> <li>✓ Internetprotoko</li> <li>✓ Internetprotoko</li> <li>✓ E/A-Treiber fur</li> <li>✓ Antwort für Verb</li> <li>✓ Installieren</li> <li>Beschreibung</li> <li>TCP/R des Standa</li> </ul>	Il Version 6 (TCP/IPv6) Il Version 4 (TCP/IPv4) Verbindungsschicht-Top indungsschicht-Topologi III Deinstallieren	ologieerkennungs eerkennung Eigenschaft	szu •
<ul> <li>✓ Internetprotoko</li> <li>✓ Internetprotoko</li> <li>✓ E/A-Treiber fur</li> <li>✓ Antwort für Vert</li> <li>✓ Installieren</li> <li>Beschreibung</li> <li>TCP/IP, das Standa</li> <li>Datenaussch übe</li> </ul>	Il Version 6 (TCP/IPv6) Il Version 4 (TCP/IPv4) Verbindungsschicht-Top- indungsschicht-Topologi III Deinstallieren rdprotokoll für WAN-Netz ar verschiedene, miteinan	eerkennung Eigenschaft verke, das den der verbundene	szu •
<ul> <li>✓ Internetprotoko</li> <li>✓ Internetprotoko</li> <li>✓ EA-Treibertur</li> <li>✓ Antwort für Vert</li> <li>✓ Installieren_</li> <li>Beschreibung</li> <li>TCP/IP, das Standa</li> <li>Datenaustausch üb</li> <li>Netzwerke ermöglic</li> </ul>	Il Version 6 (TCP/IPv6) Il Version 4 (TCP/IPv4) Verbindungsschicht-Topi indungsschicht-Topologi III Deinstallieren rdprotokoll für WAN-Netzi er verschiedene, miteinan ht	ologieerkennungs eerkennung Eigenschaft verke, das den der verbundene	en
A Internetprotoko     A Internetprotoko     A Internetprotoko     A E/A-Treibertur     Antwort für Verb     Installieren Beschreibung     TCP/IP, das Standa     Datenaustausch übe     Netzwerke ermöglic	Il Version 6 (TCP/IPv6) Il Version 4 (TCP/IPv4) Verbindungsschicht-Topr indungsschicht-Topologi III Deinstallieren rdprotokoll für WAN-Netza er verschiedene, miteinan ht	ologieerkennungs eerkennung Eigenschaft werke, das den der verbundene	en

The GCM (W)LAN uses the default IP address 192.168.1.1 in the LAN. In other words, you have to assign your computer an IP address from the same segment.

You could configure 192.168.1.10 as the fixed IP address, for example, and 255.255.255.0 as the subnet mask.



Ilgemein	
IP-Einstellungen können automati: Netzwerk diese Funktion unterstüt den Netzwerkadministrator, um d beziehen.	sch zugewiesen werden, wenn das tzt. Wenden Sie sich andernfalls an ie geeigneten IP-Einstellungen zu
DP-Adresse automatisch bezi	ehen
Folgende IP-Adresse verwer	nden:
IP-Adresse:	192.168.1.10
Subnetzmaske:	255.255.255.0
Standardgateway:	2.2.4
DNS-Serveradresse automat	fisch beziehen
Folgende DNS-Serveradress	en verwenden:
Bevorzugter DNS-Server:	
Alternativer DNS-Server:	
Einstellungen beim Beender	n überprüfen
	Erweitert
	-

Confirm all input with OK.

Establish the network connection using a patch cable, if this has not already been done, and switch on the GMM.

**CAUTION!** It can take up to 120 seconds before the GCM (W)LAN can be accessed with the default IP address 192.168.1.1 in the LAN.



Enter 192.168.1.1 in the address bar of your browser.



## 11.2.3 Option 3: Identify the IP address via the DHCP table of the connected router

If you have access and the appropriate rights for your network router, you can check the IP address of the GCM (W)LAN in the overview. Search for the MAC address of the unit. Next to this you will find the IP address that the DHCP server assigned to the unit.

If possible, configure this subscriber in the router such that it is always assigned the same IP address.



Enter 192.168.178.24 in the address bar of your browser in this specific case.

## 11.2.4 Option 4: Identify the IP address based on the MAC address and your company's IT department

Inform your IT department of the Ethernet MAC address (see label).

Your IT department can assign an IP address to this unit in the DHCP server, which it is assigned every time it restarts. Please take note of this IP address at the unit.

Now enter the IP address in your browser.

### 11.2.5 Option 5: Identifying the IP address using a network sniffer

Use of a network sniffer tool is a somewhat more complex method and more suitable for an experienced network user. The GCM (W)LAN must be connected in the same network phase as your computer in this case.

The freely available tool "Wireshark" can be used as the network sniffer. You can use it to check the network trace to see which IP address is assigned to the GCM (W)LAN.

Install and start the Wireshark tool.

Select the network interface via which the network traffic is to be exchanged.

As the filter enter: ether host: <MAC address of your unit> e.g.: ether host c4:ed:ba:7f:6b:e4



e Espression Com Apply Seve		
VIRESHARK The World's Most Popular Network Protocol Analyzer Vireshark Vireson 1.1224 (v1.124-0-g1.94861ds Born master-1.12)		
Capture	-	Winelliak:CaptaneOptions
Interface List     Insertance     In	E 07	Optimie         Descritions         Lefe Stayse Insight Prom. Model Suspires (EI) Buffer (DAB)         Cupture Fitter           Optimie         Versaußtor Michology 2         Ethernet         enabled         262244         2           Optimie         Optimies Centre Severalisation         Ethernet         enabled         262244         2           Optimies Centre Severalisation         Ethernet         enabled         262244         2         ether Not of ethers//fdoed           Optimies on all interfaces         Ethernet         enabled         262244         2         ether Not of ethers//fdoed           Optimies on all interfaces         Ethernet         enabled         262244
Canture Hele		Capture Files Display Options File Browns. If Lighter birt of packets in real time
How to Capture     How to Capture     Metwork Media     Sector relationship to the former dealers     Metwork Media     Sector relationship to the former dealers		Ubergulapis files         (2) Ubergulapis files <td< td=""></td<>

#### Start the recording.

Now switch on the GMM/GHM on which the GCM (W)LAN is installed.

In a few seconds you will be able to see the DHCP request in the trace and from the response establish which IP address is assigned to the unit. In this case it is 10.24.100.4.

4	LAN	Verbindung (ether host C4:ED:BA:7f:6	b:e4) [Wireshark 1.12.4 (v1.12.4-0	)-gb4861 da fro	m master-1.12)]
Eile	Edi	t <u>V</u> iew <u>Go</u> <u>Capture</u> <u>Analyze</u>	tatistics Telephony Iools In	nternals <u>H</u> elp	
0	0	1 = d   B 🕆 X 😂	옥 수 수 속 중 👱 🌔		L Q, Q, 🖾   🖉 🕵 🎋   🧱
Filte			-	Expression	. Clear Apply Save
No.		Time Source	Destination	Protocol I	Length Info
	1	0.000000000.0.0.0	255.255.255.255	DHCP	342 DHCP Request - Transaction ID 0xc1180d7c
Ç	2	0.21242000 0.0.0.0	255.255.255.255	DHCP	342 DHCP Discover - Transaction ID 0x4a85f376
1	3	0.21533100 0.0.0.0	255.255.255.255	DHCP	342 DHCP Request - Transaction ID 0x4a85f376
1	4	5. 30481800 10. 24. 100. 4	224.0.0.22	IGMPV3	60 Membership port / Join group 239.255.255.250 for any sources
	5	6.00484700 10.24.102.4	224.0.0.22	IGMPV3	60 Membership & port / Join group 239.255.255.250 for any sources
	6	8.19825000 TexasIn 1 :6b	:e4 Broadcast	ARP	60 who has 10.24 45.14? Tell 192.168.0.1
	7	8.19829300 Dell_d9:b5:32	TexasIns_7f:6b:e4	ARP	42 10.24.45.14 1 at b8:ca:3a:d9:b6:32
	8	8.19863900 192.168.0.1	10.24.45.14	UDP	409 Source port: 10501 Destination port: 59737
	9	8.19896200 192.168.0.	10.24.45.14	UDP	409 Source port: 5 501 Destination port: 59737
	10	8.19920100 10.24.100.4	10.24.45.14	UDP	409 Source port: 50 30 Destination port: 59737
5-			40.34 15.44		+O topo



## **11.3** Performing the network configuration

B Homemenü GÜNT 0 Betriebsmeldung • Externe Freigabe • Störungen 5 Homemenü 102 Istwert (psig) Sollwert [psig] 181 83 Funktionen Stellwert [%] 0% 24.03.17/13:54 GMM Datum / Zeit in 5 std 🗸 Wartungslauf (i) Geräteinfo Losreißfunktion ~ C, Einstellungen Servicemenü

You will find the network configuration under "Settings".

# Einstellungen

Sollwerte	>
Handbetrieb	>
Datum und Uhrzeit	>
LAN Einstellungen	>
WLAN Einstellungen	>
Modbus TCP/IP Server Einstellungen	>
BACnet GMM Server Einstellungen	>
BACnet GHM Server Einstellungen	>
Webseiten Passwort ändern	>
GCM-Update	>



### 11.3.1 LAN settings

### **IP** address

If you want the unit to be assigned an IP address automatically every time it restarts, then select "Obtain an IP address automatically". The subnet mask and standard gateway are likewise assigned in this case to the GCM (W)LAN. If you want the unit to be assigned a fixed IP address, then select "Use the following IP address".

The **IP address** is a 4-digit number sequence with values from 0-255. An IP address may only be used once throughout the entire network.

The subnet mask determines the local IP subnet. An IP subnet is a sub-network in which all computers can access each other directly, so in other words without the mediation of routers, gateways, etc.

If a network subscriber wants to send an IP packet to another IP address, it will first examine the destination IP address. If it establishes that the destination IP address is located in its own subnet, it sends the packet directly. In case of all other destination IP addresses, it sends the IP packet to the standard gateway. The standard gateway host generally knows what to do now.

< LAN Einstellungen		
IP Adresse		LAN Einstellungen
IP-Adresse automatisch beziehen		1
Folgende IP-Adresse verwenden		
IP Adresse	10.24.53.124	
Subnetmaske	255.255.0.0	
Standardgateway	10.24.4.20	
ОК		



## 11.3.2 WLAN settings

### WLAN off/on

The WLAN wireless network is enabled in the delivery settings. It can be disabled if needed using the symbolic slide switch.

The WLAN status indicates whether the wireless network is active or not active .

If *WLAN mode is active,* a distinction is made between access point = *wlan\_ap* (also referred to as a hotspot) and client mode = *wlan\_client*. The mode can be changed using a small slide switch on the unit itself. (See also <u>Slide switch, page 10</u>)

WLAN Einstellungen		
WLAN Aus/An		tellungen
Wlan Status	An, Aktiv	
Aktiver WLAN Modus	wlan_ap	

### WLAN wireless channel

The WLAN wireless channel is an important factor in determining the speed and thus the reliability of the wireless connection. If connections are very slow or impaired, this may be because there are too many devices active in the **same** WLAN wireless channel or **adjacent** frequency ranges. There is a very simple solution to this problem. The WLAN channel simply has to be changed.

#### Problem 1: Other wireless networks are using the same channel

If other devices are using the same channel, they do not disrupt each other in any way. However, they do slow each other down. The reason for this is that every channel or transmission path can only allow one transmission to be active at a time. Therefore, if the data link is currently occupied, the next request is queued. The rule of thumb therefore is: The more devices transmitting at the same time in the same channel, the slower the data rate.

#### Problem 2: Other wireless networks are transmitting using adjacent wireless channels



First of all, the second scenario sounds less dramatic, but in reality has a more extreme impact on the speed. The problem in this case is the frequency range, primarily in the 2.4 GHz range. Every WLAN channel is located at a distance of 5 MHz to its neighbour. However, fast data transmission requires at least 20 MHz (= 4 channels). If devices are occupying the adjacent wireless channel, for example, they do not recognise each other initially and transmit at the same time, as a result of which however both transmission rates deteriorate.



### Changing the WLAN channel, but properly

It is therefore not sufficient to simply change the WLAN channel, the frequency range is likewise important. If there are only three subscribers in the network, for example, these should be assigned as follows. Channels 1, 6 and 11, since these do not overlap at all. Alternatively, the unit should operate in the wireless channel that is used by the fewest networks.

The wireless network can be browsed to check which channels are occupied by which units. To do this simply click "Search" .



You will be shown the result of the network scan after a few seconds. The next example shows that the channel (Channel 1) is occupied by the wireless channel "Controls". The GCM (W)LAN itself (identified by an **orange** bar) occupies Channel 2 in this case. Wireless channel 11 is occupied by two wireless networks (WT2017 and "GastzugangWT" (guest access)).





In this specific case, therefore, the GCM-WLAN should be configured to operate in Channel 6 instead of Channel 2.

The GCM (W)LAN can be configured to search for a wireless channel itself. To do this, set the channel selection to "*Auto*". The unit now searches for a free channel but does not take account of the frequency distance. Alternatively, it selects the wireless channel with the fewest units in this channel, in ascending order from Channel 1.

Kanalauswahl	
<ul> <li>Auto</li> <li>Manuell</li> </ul>	
Gewählter Kanal: 2 💌	

Alternatively, select "*Manual*" and then choose a suitable wireless channel (see description above).

Kanalauswahl	
C Auto Manuell	
Gewählter Kanal: 6	

The GCM (W)LAN is defined in the delivery settings so that the channel selection is set to "Manual" and wireless channel 2 is selected.



#### Access point configuration

The small slide switch on the module must be set to WLAN AP (or hotspot) so that the GCM (W)LAN operates as an access point.

You can configure the SSID (**S**ervice **S**et Identifier), i.e. the name of the wireless network, in the "Access Point SSID" input field and confirm with OK.

This name is required so that the unit obtains a name in the wireless network and can then be selected. The network key (access point password) has to be entered then to connect to the wireless network. You can likewise configure this here.

In the delivery settings, SSID = GUENTNER-xxxxx (xxxxx=serial number, see label) and access point password = guentnerpwd

Accesspoint Konfiguration	
Access Point SSID	GMM EC 00124
Access Point Passwort	guentnerpwd
Neues Passwort	guentnerpwd

### NOTICE

The changes will only be effective following a restart (Power OFF/ON).

Are you sure? The changes become	e active after restarting	the device!
	OK At	brechen

#### **Client configuration**

The GCM (W)LAN can also be integrated as a client in an existing wireless network, similar to a mobile phone, which you register on your WLAN point at home. Use the slide switch in this case to set the GCM (W)LAN to WLAN client. Configure the required access credentials for the access point under "Client SSID" (i.e. the name of the network to which you want to establish the connection) and "New password" and then choose OK.



Client Konfiguration	
Client SSID	GUENTNER_22
Client Passwort	dNXd5oic
Neues Passwort	dNXd5oic
	ОК



The changes will only be effective following a restart (Power OFF/ON).

Are you sure? The changes become active after restarting the device!
OK Abbrechen

