

# Manual how to bind the DGS-1210 Switches into the Nuclias Connect

For Nuclias Connect Hardware DNH-100 Rev.A and Nuclias Connect Software DNC-100 For DGS-1210 Rev.F and Rev.G

To bind the **DGS-1210** with **Hardware Revision (Rev.) F and G** into the **Nuclias Connect** please follow these steps.

## 1. Requirements

- DGS-1210 Switch in Rev.F with firmware version 6.30.xx or higher

- **DGS-1210** Switch in **Rev.G** with **firmware version 7.30.xx or higher** This you can download from our D-A-CH-BE-NE-LUX web sites <u>https://www.dlink.com</u> or from <u>https://ftp.dlink.de/dgs/dgs-1210/driver\_software/</u>

- **DNH-100** Nuclias Connect Hub with the actual **Firmware 1.2.0.1** or higher. Or **DNC-100** Nuclias Connect Software in the actual **Version 1.2.0.9** or higher.

# 2. Preparations

Different to the DAP Access Points the DGS-1210 must be pre-configured so far that it got an IP-address from the DHCP-Server in the network or has a static IP-address compatible to the network.

By default the DGS-1210 has the static IP-address **10.90.90.90** with subnet mask **255.0.0.0** Change the TCP/IP of the network connection temporarily to configure the DGS-1210.

Alternative or if you don't know the IP-address of your DGS-1210 you can use our Software **D-Link Network Assistant (DNA)** to find it out or to change it. See following screenshot.

You can download the **DNA** from <u>https://ftp.dlink.de/software/DNA/D-Link Network Assistant DNA 40021 all en.zip</u>

With the PC mouse go over the DGS-1210 entry and then click onto **IP** on the right. Then you can change the IP-address of the DGS-1210.

	Default Workspace (Online / Offline: 2 /	0)				
C	☐ Type / ✓ Status Auth. ♦ System Name ♦	IP Address 0	MAC	Model 0	SNMP	FW Ver.
Q,		192.168.0.11	80-26-89-f5-12-a7	DGS-1100-08P		1.00.B031
IP		10.90.90.90	00-ad-24-d9-66-38	DGS-1210-16		7.10.008



#### Note:

In the following steps granting that you already made a setup in your DNH-100 / DNC-100 (**following named as NC**) and have it in use with DAP-models, so the NC has a basic setup already.

3. Call the setup of your NC and log-in. We recommend to use the English setup because the translation in other languages isn't fine sometimes.

- Chose English.
- Enter the username **admin** and your configured Admin-password.
- If necessary enter the displayed CAPTCHA.
- Click onto Login.

<b>∢ nuclias</b> connect	
Login to your account	English v
admin	
•••••	
5616 <b>5</b> 6 16	Forgot password?
Login	

4. On the left go to the menu **Configuration** and then **Create Profile**. Upper-right click onto **Add Network** to create a new Switch-Profile.

<nuclias< th=""><th>DNH-100-9400</th><th></th><th></th><th></th><th></th><th></th><th>10:3</th><th>0:42 2022-12-08</th><th>A 😵 🖉 E</th></nuclias<>	DNH-100-9400						10:3	0:42 2022-12-08	A 😵 🖉 E
() Dashboard	All Sites V All Netw	orks 🗸 😥 Total 4 Netwo	Access Points: Total	18/18 Online	Switches: Total 0/0 Online Clients: Total 0				Add Network
Monitor >			Cilents: Iogil V						
Topology	Site Name 🔺	Network Name 🔺 👻	Network ID ×	Total Devices	✓ Online Devices ✓	Clients	~ Profile	Discovery	Action
Floor Plan	inis_DNH_DIS	inis_DNH_DIS		2	2	0	e d e	Q	ß Î
	inis_DNH_NC_WPA3	inis_DNH_NC_WPA3		3	3	0	K D B	Q,	ı î
🗙 Configuration 🗸	inis_DNH_NC_kvr	inis_DNH_NC_kvr		2	2	0	K D B	Q	B û
Create Profile	inis_DNH_NucliasConnect	inis_DNH_NucliasConnect		11	11	0	e o e	0	e i

#### Note:

Switches can't be bound into AP-Profiles, also AP not into Switch-Profiles.

## 5. Create a **newSite**.

Give the site and the network a name and then click onto **Next**.

Site	newSite v DGS-1210_RevF_EG	
Network Name	DGS-1210_RevF_EG	
Network ID		
	The network ID will be used for REST API.	



6.

- Chose the **Country** where the switch has to work.
- If necessary modify the **Time Zone**.
- Set a hook at **Switch**.
- At Series Supported a hook must be at DGS-1210.

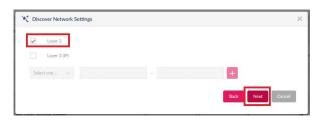
- At **Password** you must enter the Admin-password this the DGS-1210 has to get from the NC-Profile as soon as it will be bound-in.

Click onto Next.

General Settings		^
Country	Germany	
	WiH4EU function can be turned on in Profile Configuration	
Time Zone	(GMT+01:00) Amsterdam, Berlin, Bern, Rome, Stockhol $\sim$	
Device Type	Access Point Switch	
	Please select the device type that will be managed in the network.	
Access Point		~
Switch		^
Series Supported *	🗹 DGS-1210	
Username	admin	
Password *	······	
		_

7. Normally it is fine to use **Layer 2**.

Click onto Next.



8. Upper-left click onto **Discovery** to let search for DGS-1210 switches.

Configurable	Managed					
		Device Type	Switch $\times$	MAC Address	Search 'Keyword'	
State	<ul> <li>IP Address</li> </ul>	<ul> <li>MAC Address</li> </ul>	<ul> <li>Model Number</li> </ul>	Import Result ~	NMS URL	<ul> <li>Network</li> </ul>
			No Device ye	rt.		
						,



9. The in the network available and compatible DGS-1210 will be found.

Mark the DGS-1210 this you want to bid into the NC-Profile.

Enter the Admin-password this the DGS-1210 actually has.

- The default Admin-password is admin.
- If you already have changed the Admin-password then enter this.

Click onto **Import** to take over the marked DGS-1210 into the NC-Profile.

		aged									_
					Device Type	Switz	h ×		MAC Address	Search 'Keyword'	
St	ate	- 1	P Address	÷	MAC Address	~	Model Number 🗠	Import	t Result ~	NMS URL	Networ
St	andalone	3	92.168.0.107		00:ad:24:d9:66:38	8	DG5-1210-16			192.168.0.200.8443	
🖌 St	andalone	3	92.168.0.108		40:9b:cd:53:ad:b0	,	DGS-1210-10			192.168.0.200.8443	
2											

#### **Recommendation!!**

For each DGS-1210 create an own NC-Profile.

Else it can become difficult because the NC displays all LAN ports of all DGS-1210 in the NC-profile like they are one DGS-1210.

Example: The LAN ports of three DGS-1210-10P will be listed as 30 ports – a differentiation which port if from which switch won't be so easy.

#### 10. Click onto Yes.





11. The displayed NC **flickers** a few times now. Please what until this ends.

# Click onto Apply & Exit.

Config	urable M	inage	đ								
					Device Type	Swit	tch ×		MAC Address	Search 'Keyword'	R
	State	190	IP Address	٣	MAC Address	×	Model Number Y	Import	t Result 👻	NMS URL *	Networ
	Standalone		192.168.0.107		00:ad:24:d9:66:38	1	DG5-1210-16			192.168.0.200.8443	
~	Standalone		192.168.0.108		40.9b:cd:53:ad:b0	ec.	DGS-1210-10	Succes	15	192.168.0.200.8443	
	<										

12. After 3-5 minutes the switch will be displayed in the  $\ensuremath{\textbf{Dashboard}}$  . Click onto this...

<b>&lt; nuclias</b>	DNH-100-9400					10:36:18 2022-12-08	1990	2	× E
Dashboard									
Monitor >		5 Sites	5 Networks	(((_))) 18/18 Access Points	Clients	Switches		-	
Topology									

... then the **Status** of the DGS-1210 will be displayed. Normally at this moment it is boarding. Status is orange = Boarding

							All	Configuration $\lor$	Search By	Local IP Address $\qquad \lor$	Search 'Key	word'
lo.	Status ~	Action	Local IP Address	MAC Address ~	Model Number 😙 Name	✓ Network ✓ 1	Network ID	) Y Clients	<ul> <li>Power D</li> </ul>	elivered Y Power B	ludget ~	Ports ~
		060	192.168.0.108	40:9b:cd:53:ad:b0	DGS-1210-10	DGS-1210 RevF		0				10

After additionally 3-5 minutes the Status is green = Connected

The DGS-1210 can be managed and configured via the NC now.

All Sites	3	All Network	s v R	Total: <mark>1</mark> /1 Switches												
									All Configura	tion v	Search By	Local IP Address	s v	Search 'Key	word'	[ @
0000000	Status 💙	Action	Local IP Address **	MAC Address Y	Model Number Y Name	Ŷ	Network ~	Netwo	rk ID 🛛 🗡	Clients	Power D	elivered Y	Power Bud	lget ~	Ports	v u ₽
1	•	0  💬	192.168.0.108	40:9b:cd:53:ad:b0	DG5-1210-10		DGS-1210_RevF			24	-		-		10	Profile



13. To access the possible settings of the DGS-1210 in the NC, on the left go to the menu **Configuration** and then **Profile Settings**.

There inside the created profile of the DGS-1210 you can make several settings.

<nuclias< th=""><th>DNH-100-9400</th><th>10:37:59 2022-12-08 🦉 🚨 🛪</th><th>¢ EN</th></nuclias<>	DNH-100-9400	10:37:59 2022-12-08 🦉 🚨 🛪	¢ EN
() Dashboard	C <sup>0</sup> Profile	Profile > DGS-1210_RevF_EG > DGS-1210_RevF_EG	
Monitor >	DGS-1210_RevF_EG		^
Topology	Ø DGS-1210_RevF_EG	Upload Configuration	
~	Switch	Please note that the network will be unstable during the configuration. Time Start Immediate	
Floor Plan	Common		
Configuration 🗸	RADIUS Server	Apply Clear	
Create Profile	Time Profile		
	DGS-1210		
Profile Settings	Basic	Run Status	
Firmware Update     SSL Certificate	IPv4 ACL Access Policy	Apply Status 0/1	
Payment Gateway	Port Setting SNTP	Results Run Time * V Name V IP Address V MAC Address V Model Number V Result. V	

#### Note:

Unfortunately it is not possible to make all settings of a DGS-1210 via the NC (yet).

The DGS-1210 still has the fully setup like a standalone switch. The access is via a web browser via his IP-address.

The Admin-password is this you configured via the NC profile (see step 9 on page 4).

With it the binding of the DGS-1210 Rev.F and/or G into the Nuclias Connect is finished.

## Example: Each a DGS-1210 Rev.F and G is bound into the Nuclias Connect:

VI Sites		<ul> <li>All Network</li> </ul>	s v [d]	Total: 2/2 Switches												
									All Configura	ition v	Search By Local	I IP Address	s ~ ]	Search 'Keyi	word	6
lo.	Status ~	Action	Local IP Address 🔺 🗸	MAC Address ~	Model Number	× Name	~ Network ~	Networ	rk ID 🛛 👻	Clients ~	Power Delivered	d Y	Power Budg	get ~	Ports ~	4
No.	Status ~	Action	Local IP Address ** 192.168.0.107	MAC Address ~ 00:ad:24:d9:66:38	Model Number DGS-1210-16	✓ Name	<ul> <li>Vetwork</li> <li>DGS-1210_RevG</li> </ul>		rk ID 👻	Clients ~ 24	Power Deliverer     0.00 W		Power Budg	get ×	Ports ~	Profi