

**D-Link**  
**DNH-100**  
**Compatible**  
**Access**  
**Points**



## D-Link DNH-100 Compatible Access Points User Guide

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# D-Link

### D-Link DNH-100 Compatible Access Points



### Product Information

## **Specifications:**

- **Model:** DNH-100
- **Default IP Address:** 192.168.0.200
- **Language:** English
- **Username:** admin
- **Password:** admin (default, change recommended)

## **Product Usage Instructions**

### **Initial Setup**

- Make sure your PC's IP address is temporarily adjusted to 192.168.0.200.
- Open a web browser and go to.

### **Browser Configuration**

- Follow the specific instructions based on your web browser (Chrome, Edge, Firefox) to proceed with the connection.

### **Connecting Access Points:**

- Connect DAP/DIS access points to the PoE switch or power supply and wait for them to start.
- Ensure all APs have the latest firmware and are reset to the factory default.

### **Language and Login**

- Choose English as the language.
- Use 'admin' as the username and password to log in.

### **Changing Password**

- Change the default password 'admin' to a new admin password for DNH-100.

### **LAN Settings**

- Accept and apply the LAN settings of the DNH-100.

### **IP Configuration**

- If needed, adjust your PC's IP settings and access the DNH-100 setup with its new IP address.

### **Device Access Address**

- Do not change the Device Access Address. Configure the Server-IP into the APs and select the country of use.

## Creating Nuclias Connect Profile

- Create a new Nuclias Connect profile with the Site and Network Name.
- Set passwords, SSID names, and WPA keys for the APs.

## AP Integration

- Set a hook at Layer 2 and start discovering APs.

## Confirmation

- Confirm when prompted and proceed with the setup.

## Frequently Asked Questions

### Q: How do I reset the DNH-100 to factory default settings?

**A:** To reset the DNH-100, locate the reset button on the device and hold it down for at least 10 seconds until the device restarts.

## Basic Setup Guide

### Basic Setup Guide for DNH-100 and compatible Access Points

Also for DNC-100 Nuclias Connect software

1. The DNH-100 has the fixed IP address 192.168.0.200 by default, temporarily adjust the IP address of the PC to it.
2. Open a web browser and open the address.
  - At the first login, a message appears that the connection is not secure.
  - In the web browser Chrome click on Advanced and then click on Continue to 192.168.0.200 (insecure).



## Dies ist keine sichere Verbindung

Hacker könnten versuchen, deine Daten von **192.168.0.200** zu stehlen, zum Beispiel Passwörter, Nachrichten oder Kreditkartendaten. [Weitere Informationen](#)

NET::ERR\_CERT\_AUTHORITY\_INVALID



Schalte für größtmögliche Sicherheit in Chrome das [erweiterte Safe Browsing](#) ein

Erweitert

Zurück zu sicherer Website

Dieser Server konnte nicht beweisen, dass er **192.168.0.200** ist. Sein Sicherheitszertifikat wird vom Betriebssystem deines Computers als nicht vertrauenswürdig eingestuft. Mögliche Gründe sind eine fehlerhafte Konfiguration oder ein Angreifer, der deine Verbindung abfängt.

[Weiter zu 192.168.0.200 \(unsicher\)](#)

- In the web browser Edge click on Advanced and then click on Continue to 192.168.0.200 (unsure).



## Ihre Verbindung ist nicht privat.

Angreifer versuchen möglicherweise Ihre Informationen von **192.168.0.200** zu stehlen (z. B. Kennwörter, Nachrichten oder Kreditkarten).

NET::ERR\_CERT\_AUTHORITY\_INVALID

Erweitert

Zurück

Dieser Server konnte nicht nachweisen, dass es sich bei ihm um **192.168.0.200** handelt. Das Sicherheitszertifikat wird vom Betriebssystem Ihres Computers nicht als vertrauenswürdig eingestuft. Dies kann auf eine Fehlkonfiguration zurückzuführen sein oder auf einen Angreifer, der Ihre Verbindung abfängt.

[Weiter zu 192.168.0.200 \(unsicher\)](#)

- In the web browser Firefox click on Advanced and then click on Accept Risk and continue.



## Warnung: Mögliches Sicherheitsrisiko erkannt

Firefox hat ein mögliches Sicherheitsrisiko erkannt und **192.168.0.200** nicht geladen. Falls Sie die Website besuchen, könnten Angreifer versuchen, Passwörter, E-Mails oder Kreditkartendaten zu stehlen.

[Weitere Informationen...](#)

Zurück (empfohlen)

Erweitert...

192.168.0.200 verwendet ein ungültiges Sicherheitszertifikat.

Dem Zertifikat wird nicht vertraut, weil es vom Aussteller selbst signiert wurde.

Fehlercode: [MOZILLA\\_PKIX\\_ERROR\\_SELF\\_SIGNED\\_CERT](#)

[Zertifikat anzeigen](#)

Zurück (empfohlen)

Risiko akzeptieren und fortfahren

3. Connect the DAP/DIS access points (hereinafter called APs) to the PoE switch or a power supply and the network and wait 3 minutes until they are started.
  - The DNH-100 and the PC, which you use to set up the DNH-100, must also be connected to this local network.
  - **Important:** Please make sure that all APs, you want to add to the Nuclias Connect profile, have the latest firmware installed, you can download them from <https://www.dlink.com/de/de>
  - <https://www.dlink.com/be/fr>
  - <https://www.dlink.com/be/nl>
  - <https://www.dlink.com/nl/nl>
  - **Important:** The APs must be reset to factory default to be able to integrate them easily into the Nuclias Connect profile.
4. As language choose English.
  - The username is admin
  - The default password is admin
  - Enter the displayed number and click on Login

5. Now change the password of the DNH-10.

- The default password is admin.
- Then enter the new admin password for your DNH-100 twice and click on Modify.

6. Please be aware, that the DNH-100 must have the same IP address at all times.

- Else the APs would no longer be able to communicate to the address of the
- DNH-100 as a server, if the IP address of the DNH-100 would be changed after the setups are finished.
- **Our recommendation:** Leave the setting at Static IP Address.
- Adjust the IP Address and Subnet Mask to the network in this the DNH-100 will be used.
- Enter the Gateway and Primary DNS address that will be used in the network if the DNH-100 must have access to the Internet, for example, to be able to set its time via an NTP server.
- Adjust the Time Zone and enable NTP.
- Then click on Save.

System Settings

LAN Settings

Get IP Address From: Static IP Address (manual) ← !!!

IP Address\*: 192.168.0.200 Subnet Mask\*: 255.255.255.0

Gateway: 192.168.0.1

Primary DNS: 192.168.0.1 Secondary DNS:

☒ Synchronize Device Access Address

Date And Time

Time Zone\*: (GMT+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna

☒ NTP

NTP Server 1: ntp1.dlink.com

NTP Server 2: IP Address / Domain Name

Save

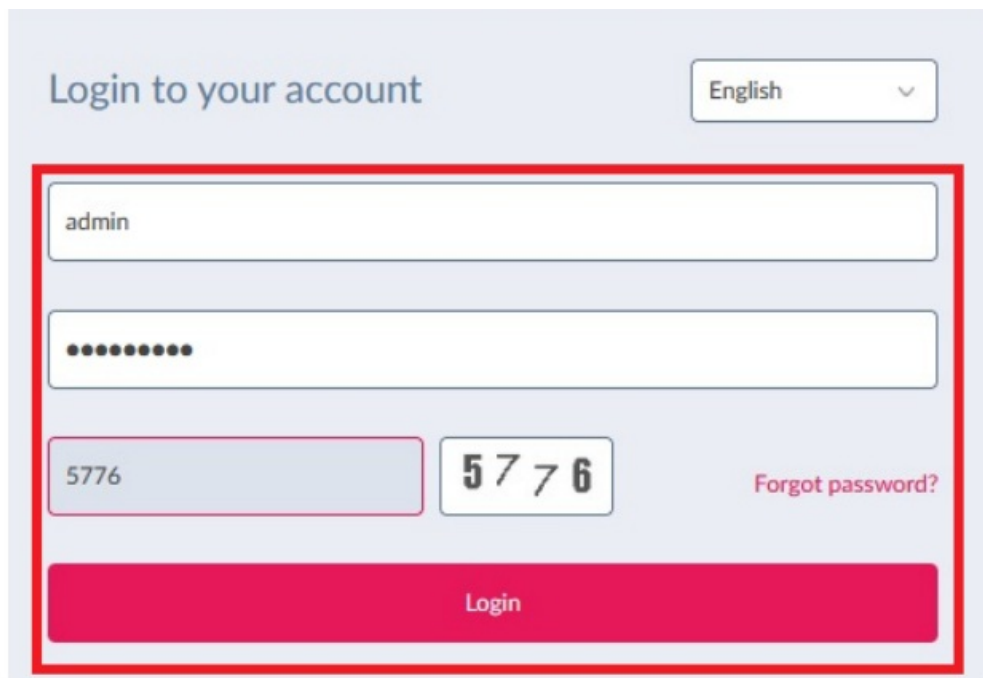
7. The LAN settings of the DNH-100 will be taken over. Please click on Yes.

LAN Settings

? Your LAN settings are about to be updated. Your device may be disconnected.

Yes No

8. If necessary, adjust the IP settings of your PC, with this you are configuring the DNH-100, and recall the setup of the DNH-100 with and its new IP address.
- Login again with your configured admin password.



Login to your account

English ▼

admin

••••••••

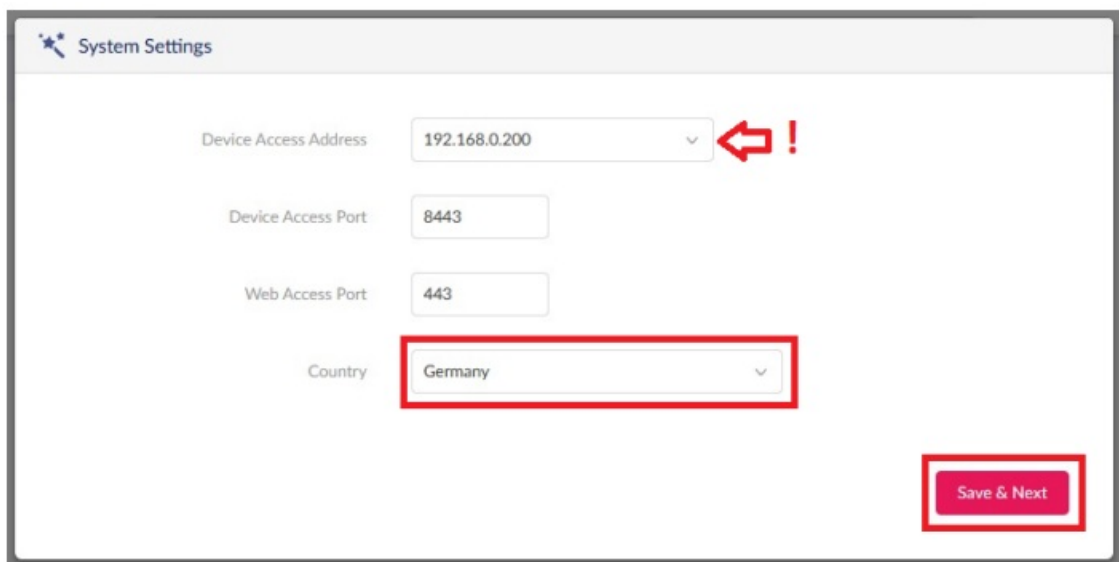
5776 5 7 7 6

Forgot password?

Login

9. Please do not change the displayed Device Access Address.

- This is the IP-address of your DNH-100 and will be configured as Server-IP into the APs.
- At Country select the country in which the DNH-100 will be used.
- **Tip:** You can change the Web Access Port.
- Especially if you already have a web server running with HTTPS (TCP port 443) in the network, which should also be addressed from the Internet via port forwarding in the router.
- Click on Save & Next.



System Settings

Device Access Address 192.168.0.200

Device Access Port 8443

Web Access Port 443

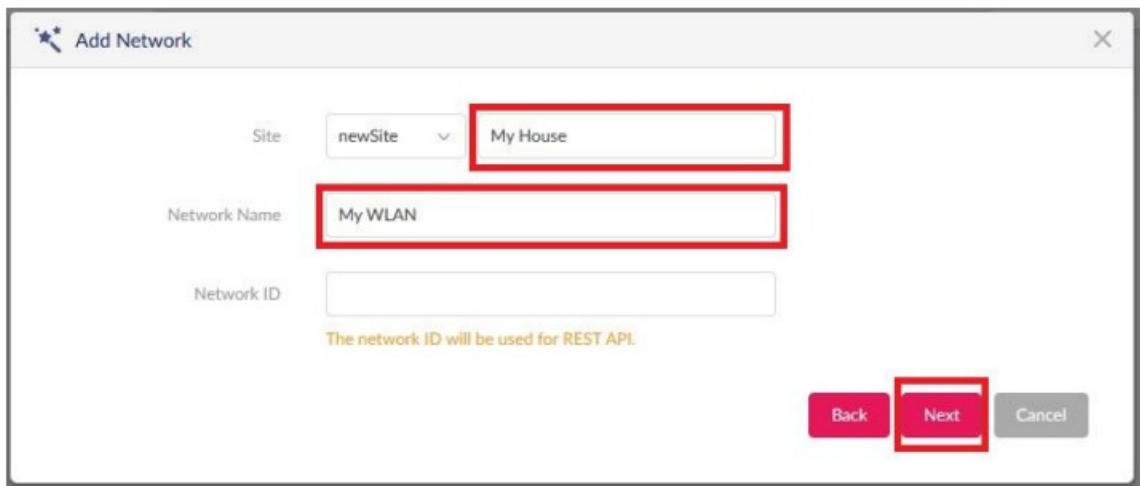
Country Germany

Save & Next

10. Now create the (first) Nuclias Connect profile.

- Give the Site and the Network Name a name. Both can have the same name.
- Click on Next.





**Add Network**

Site: newSite ▼ My House

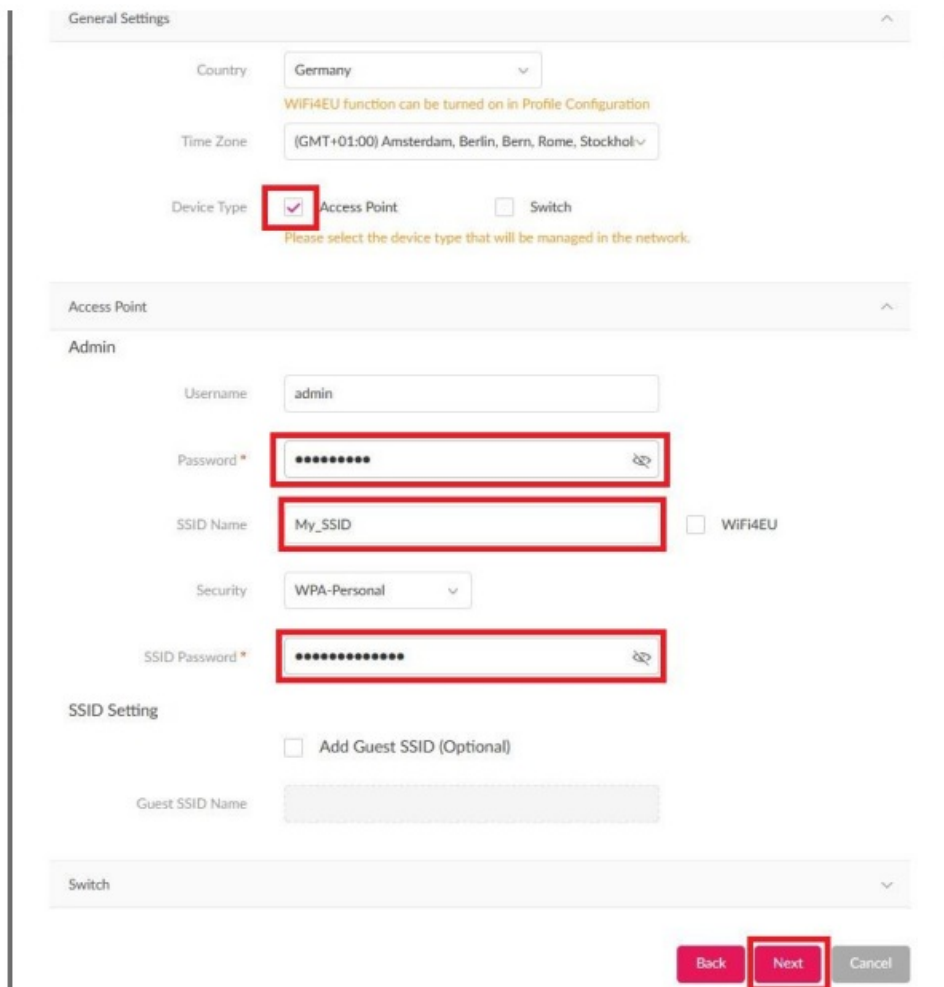
Network Name: My WLAN

Network ID:   
The network ID will be used for REST API.

Back Next Cancel

11. At Access Point set a hook.

- At Password enter the password the APs will get by integrating them into the Nuclias Connect profile.
- At SSID Name enter the WLAN name (SSID) that the APs have to provide.
- For SSID Password you must enter the WPA key.
- This must be at least 8 and not more than 63 characters long and consist of numbers and upper/lower case letters.
- Then click on Next.



**General Settings**

Country: Germany ▼

WiFi4EU function can be turned on in Profile Configuration

Time Zone: (GMT+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm ▼

Device Type: ☒ Access Point ☐ Switch  
Please select the device type that will be managed in the network.

**Access Point**

**Admin**

Username: admin

Password \*

SSID Name: My\_SSID ☐ WiFi4EU

Security: WPA-Personal ▼

SSID Password \*

**SSID Setting**

☐ Add Guest SSID (Optional)

Guest SSID Name:

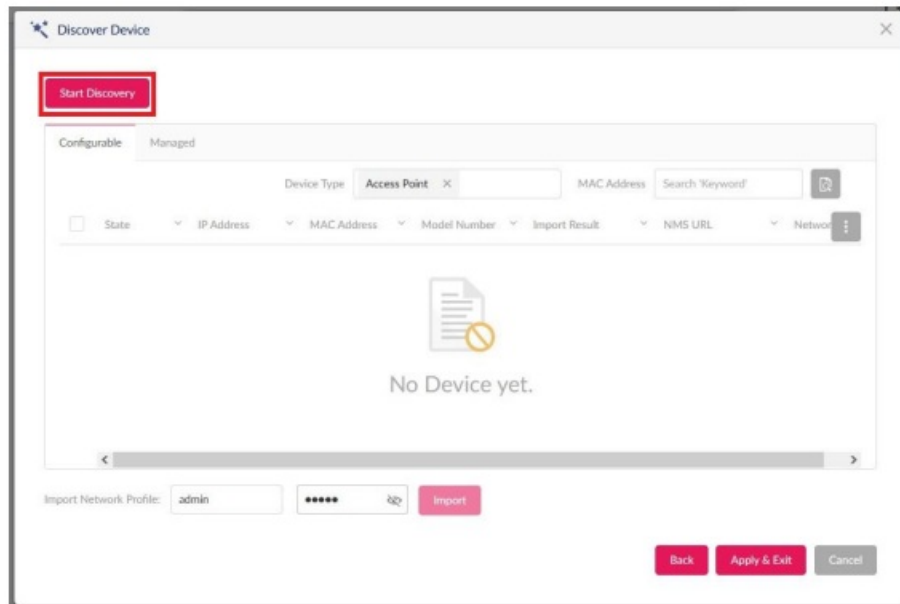
**Switch**

Back Next Cancel

12. Set a hook at Layer 2 and click on Next.

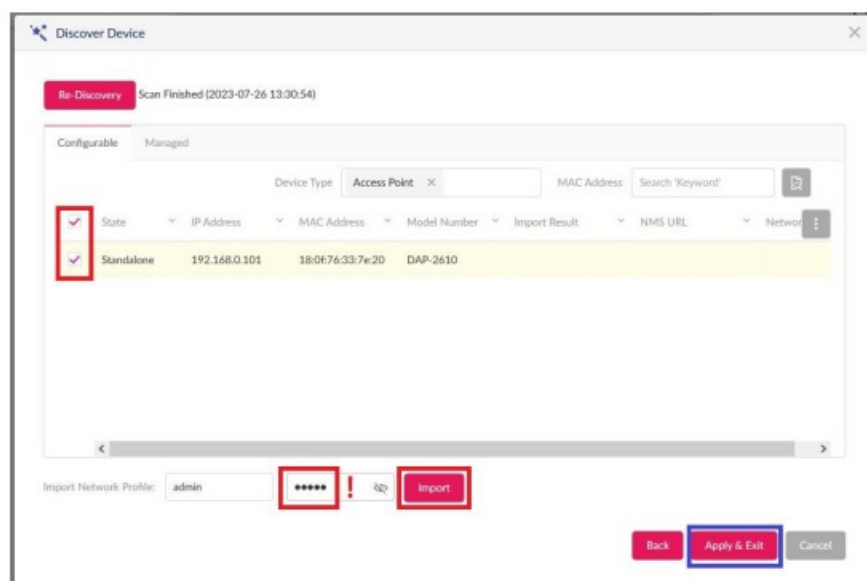


13. Click on Start Discovery to start searching for APs.

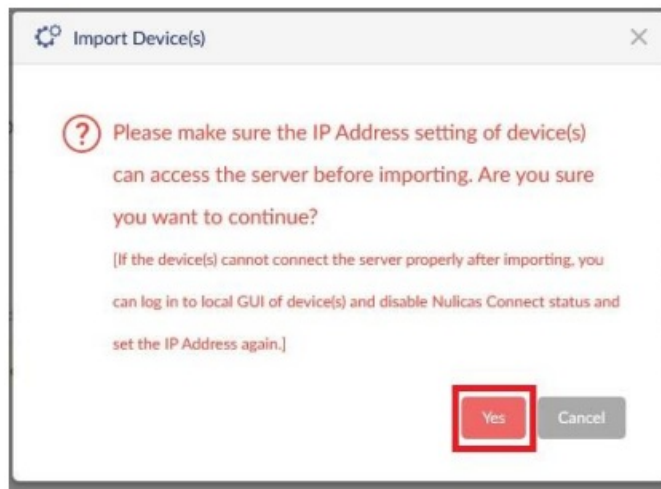


14. The APs will be found and listed.

- Set a hook in front of the APs that you want to add to the DNH-100 profile and then click on Import.
- **Note:** Just in case you don't want to add any APs at this moment and you want to do it later, then just click on Apply & Exit.
- **Tip:** At Import Network Profile the default admin password is displayed: admin
- Just for the case, if you want to add APs, they are configured and running as Standalone AP already and not/added into a Nuclias Connect before, then you must enter the admin password that these APs have.
- Then click on Import to add these APs to the Nuclias Connect profile.

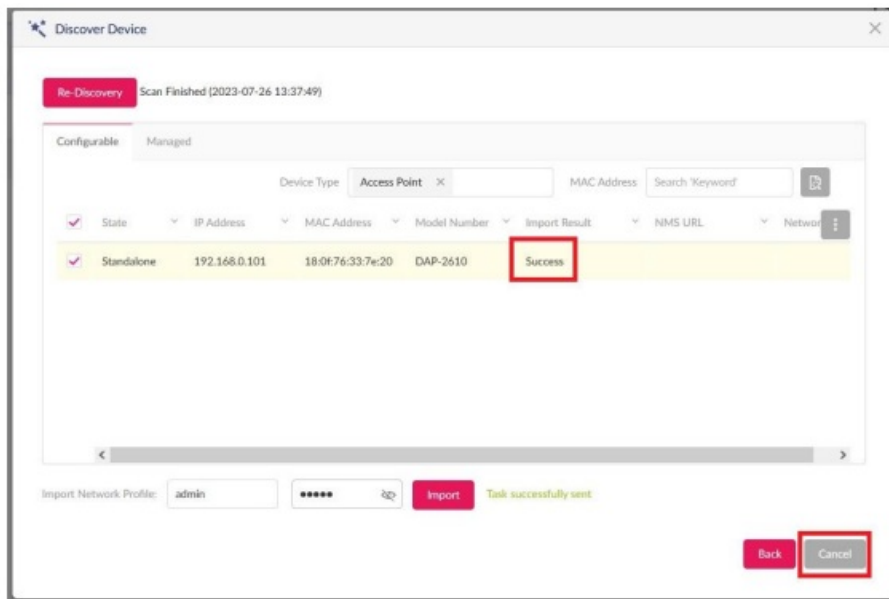


15. A message appears. Please click on Yes.



16. Then the displayed image twitches a few times and it has to show Success.

- When the displayed image no longer twitches then click on Cancel.

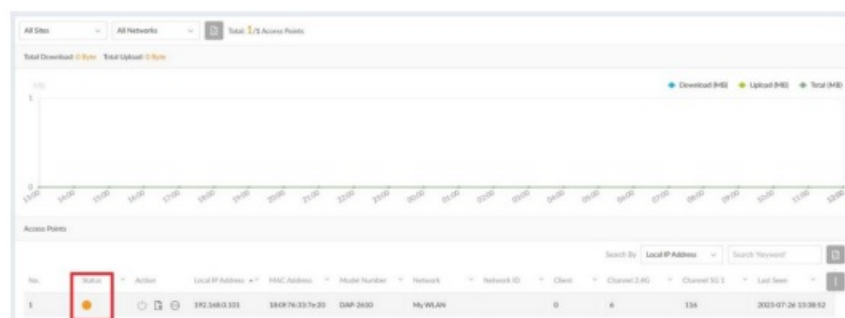


17. After some minutes the DNH-100 Dashboard displays the number of added access points at the top.

- If you click on it... you will get the added APs listed.



- If there is an orange symbol in front of an AP, this means the AP is in a “Boarding” state.
- It is in the process of obtaining and connecting the settings from the DNH-100 profile. Please wait for some minutes.



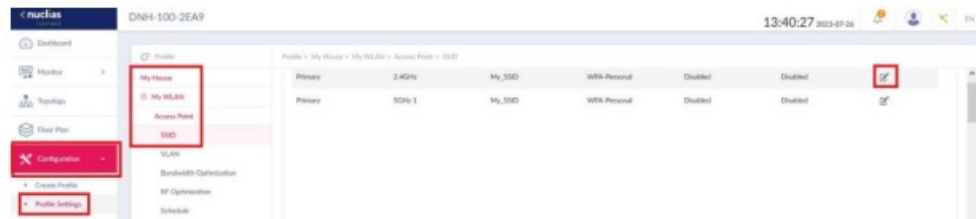
- If the symbol is green, this means the AP is added to the DNH-100 profile and is running.



- So far the basic setup of the DNH-100 is finished.
- **Other recommended settings**
- We recommend to configure a WPA2/WPA3 encryption for the WLAN.
- Depending on the DAP/DIS model, you can set the WPA Mode to WPA2 Only or WPA2 or WPA3. Of course, just WPA3 would be also possible.
- What WPA-Mode do the DAP/DIS models support, please see the details at Nuclias Connect-enabled DAP models support WPA3 (WPA2 or WPA3).

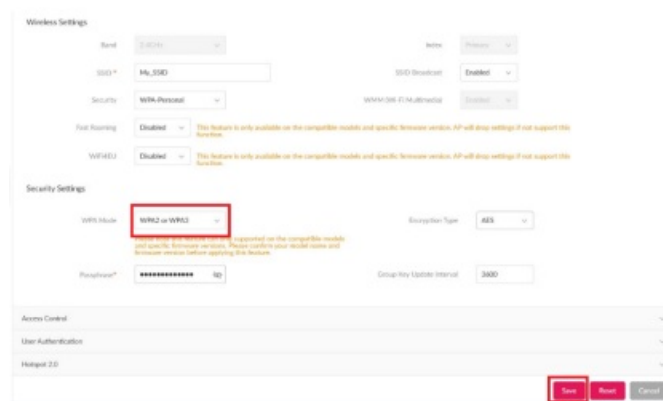
18. To modify the WLAN settings of the APs in the DNH-100 profile, click on the left on Configuration and then on Profile Settings.

- Click into the profile and then click on Access Point.
- Click on SSID and then click on the Edit button on the right side.

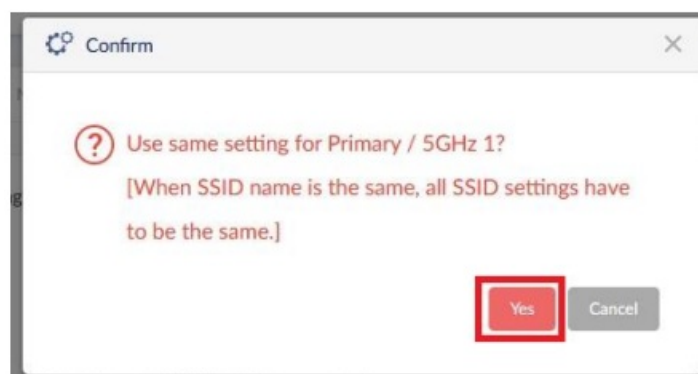


19. There you can modify the Wi-Fi settings.

- Then click on Save.

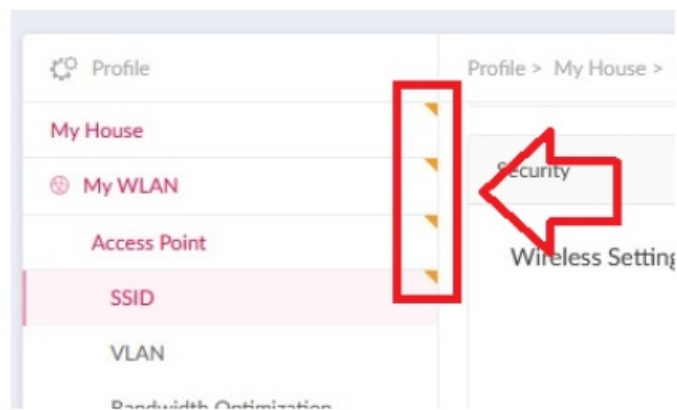


20. Click on Yes to accept the setting for the 2.4 and 5 GHz frequency bands.

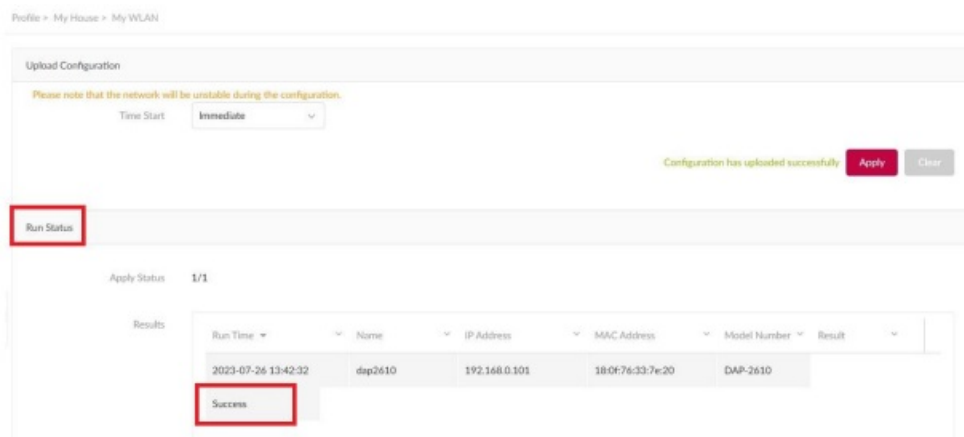


21. **Important:**

- Whenever you have made settings in the DNH-100 profile, they are not yet transferred/active into the APs.
- An orange sign is displayed, if settings are not transferred to the APs yet.



- Then click on the Site Network Name.
- Immediate must be selected and then click on Apply to transfer the made settings into the APs.
- The settings will be transferred into the APs and a Success has to be displayed.



- After a few seconds, the settings will be active.
- Depending on the changed setting, it can take some minutes.
- For example, if the APs in the 5 GHz use a DFS channel (100-140), it takes up to five minutes until the 5 GHz WLAN is available, because of the DFS procedure

My_SSID	18-0F-76-33-7E-28	802.11n/ac	-25	99	99.0	5,580	116
My_SSID	18-0F-76-33-7E-20	802.11g/n/ac	-35	96	97.5	2,462	11

245	15	D-Link International	WPA2-PSK + WPA3-Personal	CCMP
191	15	D-Link International	WPA2-PSK + WPA3-Personal	CCMP

## Which Nuclias Connect

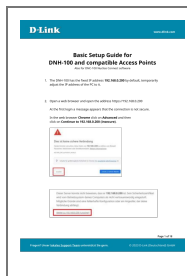
### Which Nuclias Connect compatible AP models support WPA3 (also WPA2/WPA3)?

- Information September 2023
- EOL = End of Live product, no further function development in the firmware.

	WPA3 Personal	WPA3 Enterprise
DAP-2230 EOL	X	X
DAP-2310 EOL	X	X
DAP-2360 EOL	X	X
DAP-2610	V	V
DAP-2620	X	X
DAP-2622 EOL	V	X
DAP-2660 EOL	X	X
DAP-2662	V	X
DAP-2680 EOL	X	X
DAP-2682	V	X
DAP-2695 EOL	X	X
DAP-3315 EOL	X	X
DAP-3662 EOL	X	X
DAP-3666	V	V
DAP-X2810	V	V
DAP-X2850	V	V
DIS-2650AP	V	X
DIS-3650AP	V	X

- Please see also the following manuals
- The Nucleus Connect app: [https://ftp.dlink.de/dnh/dnh-100/documentation/DNH-100\\_howto\\_reva\\_NucliasConnectApp\\_de.pdf](https://ftp.dlink.de/dnh/dnh-100/documentation/DNH-100_howto_reva_NucliasConnectApp_de.pdf)
- **Tips:** [https://ftp.dlink.de/dnh/dnh-100/documentation/DNH-100\\_howto\\_reva\\_Tipps\\_de.pdf](https://ftp.dlink.de/dnh/dnh-100/documentation/DNH-100_howto_reva_Tipps_de.pdf)
- For further manuals please visit our FTP server <https://ftp.dlink.de/dnh/dnh-100/documentation/> and our websites
- <https://www.dlink.com/de/de>
- <https://www.dlink.com/be/fr>
- <https://www.dlink.com/be/nl>
- <https://www.dlink.com/nl/nl>

## Documents / Resources



[D-Link DNH-100 Compatible Access Points](#) [pdf] User Guide  
DNH-100, DNH-100 Compatible Access Points, Compatible Access Points, Access Points, Points

## References

- [D Smart Home, SMB and Enterprise solutions | D-Link](#)
- [D Solutions Smart Home, PME et Entreprise | D-Link Belgium](#)
- [D Smart Home, SMB and Enterprise solutions | D-Link](#)
- [D Hersteller IP-basierter Netzwerklösungen | D-Link Deutschland](#)
- [D Kontakt | D-Link Deutschland](#)
- [D Smart Home, SMB and Enterprise solutions | D-Link](#)
- [User Manual](#)

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