

# 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 <https://192.168.0.200>

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 (unsafe)**.



**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, this you use to set up the DNH-100, must also be connected to this local network.

**Important:**

Please make sure that all APs, these you want to add into the Nuclias Connect profile, have the latest firmware installed, these you can download 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:**

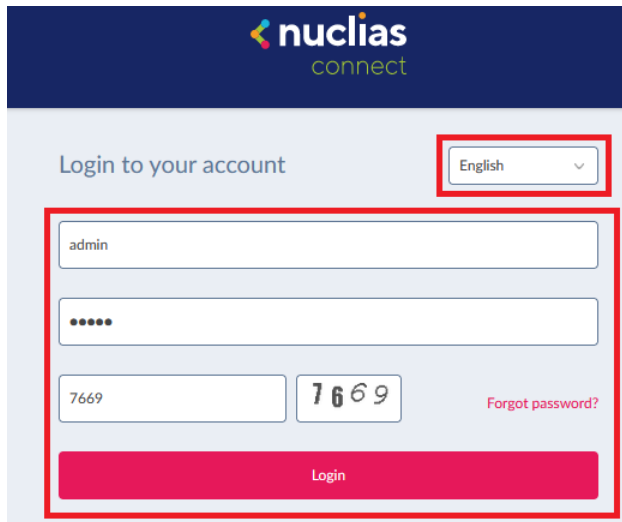
The APs must be reset to factory default in order to be able to integrate them easily into the Nuclias Connect profile.

4. As language choose **English**.

The username is **admin**

The default password is **admin**

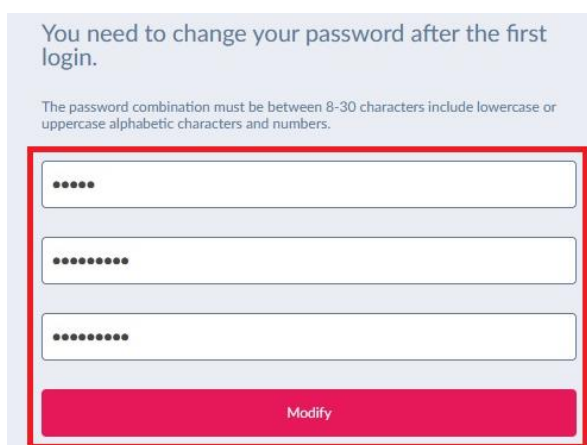
Enter the displayed number and click on **Login**



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**.



- Please aware, the DNH-100 must have the same IP address at all times. Else the APs would no longer be able communicate to the address of the DNH-100 as 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.

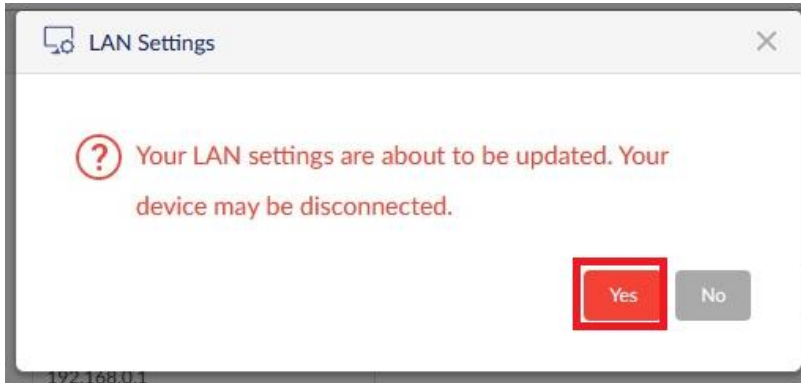
Enter the **Gateway** and **Primary DNS** address that will be used in the network if the DNH-100 must has access to the Internet, for example to be able to set its time via an NTP server.

Adjust the **Time Zone** and enable **NTP**.

Then click on **Save**.

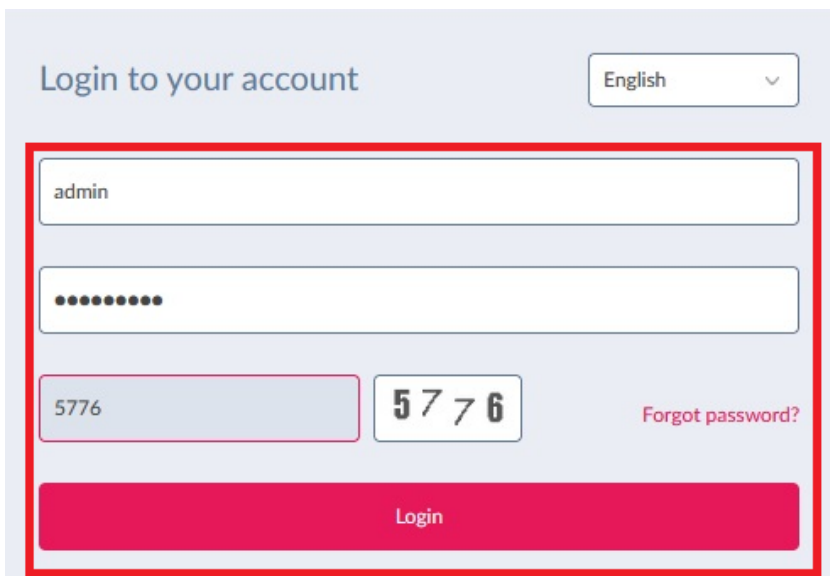
The screenshot displays the 'System Settings' interface. Under 'LAN Settings', the 'Get IP Address From' dropdown is set to 'Static IP Address (manual)', with a red arrow and '!!!' pointing to it. The IP Address is 192.168.0.200, Subnet Mask is 255.255.255.0, Gateway is 192.168.0.1, and Primary DNS is 192.168.0.1. A checkbox for 'Synchronize Device Access Address' is checked. Under 'Date And Time', the Time Zone is '(GMT+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna', and the 'NTP' checkbox is checked. NTP Server 1 is 'ntp1.dlink.com' and NTP Server 2 is 'IP Address / Domain Name'. A red box highlights the 'Save' button at the bottom right.

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



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 **https://** and its new IP address.

Login again with your configured admin password.



- 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**.

The screenshot shows the 'System Settings' interface. It contains four input fields: 'Device Access Address' (192.168.0.200), 'Device Access Port' (8443), 'Web Access Port' (443), and 'Country' (Germany). A red arrow points to the Device Access Address field, and a red box highlights the Country dropdown menu. A red box also highlights the 'Save & Next' button at the bottom right.

- 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.

The screenshot shows the 'Add Network' interface. It contains three input fields: 'Site' (newSite), 'Network Name' (My WLAN), and 'Network ID' (empty). A red box highlights the Site dropdown menu and the text 'My House'. Another red box highlights the Network Name field. A red box also highlights the 'Next' button at the bottom right.

11. At **Access Point** set a hook.

At **Password** enter the password this 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.

At **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**.

The screenshot shows the configuration interface for an Access Point. It is divided into two main sections: 'General Settings' and 'Access Point'.

**General Settings:**

- Country: Germany
- Time Zone: (GMT+01:00) Amsterdam, Berlin, Bern, Rome, Stockhol
- Device Type:  Access Point,  Switch

**Access Point:**

- Admin:
  - Username: admin
  - Password: [Redacted]
  - SSID Name: My\_SSID
  - Security: WPA-Personal
  - SSID Password: [Redacted]
- SSID Setting:
  - Add Guest SSID (Optional)
  - Guest SSID Name: [Redacted]

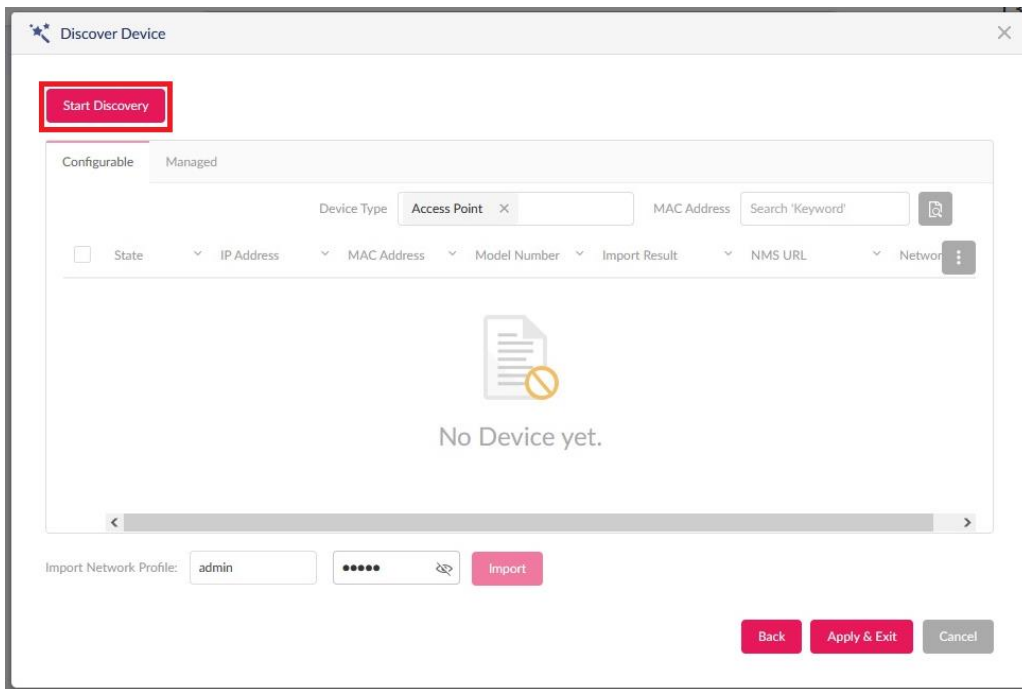
At the bottom right, there are three buttons: 'Back', 'Next', and 'Cancel'. The 'Next' button is highlighted with a red box.



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



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



14. The APs will be found and listed.

Set a hook in front of the APs that you want to add into the DNH-100 profile and then click on **Import**.

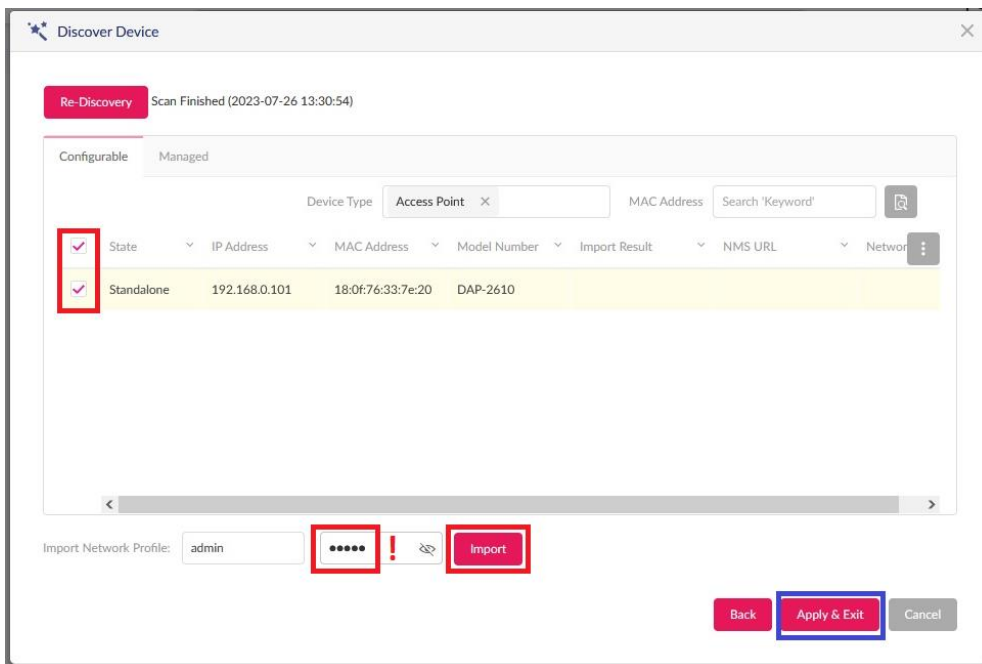
**Note:** Just in case if you don't want to add any APs in this moment and you want to do it later, then just click on **Apply & Exit**.

**Tip:**

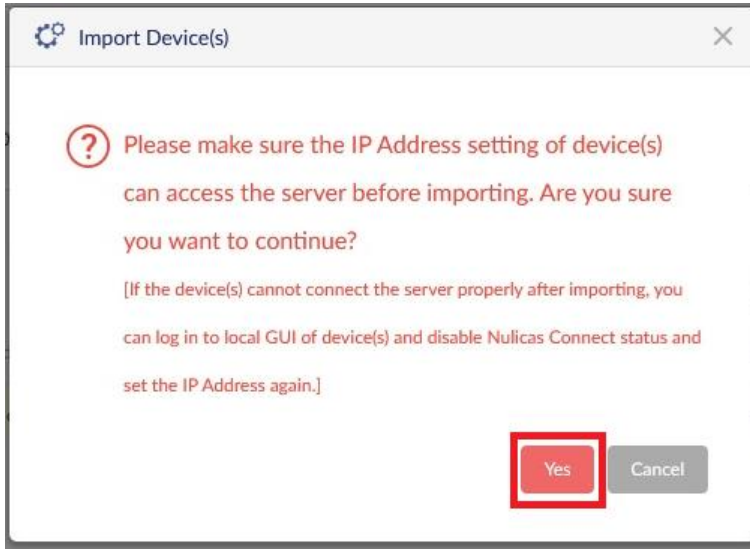
At **Import Network Profile** the default admin password is displayed: **admin**

Just for the case, if you want to add APs, they are configured and running as Standalone AP already and not/never added into a Nuclias Connect before, then you must enter the admin password that these APs have.

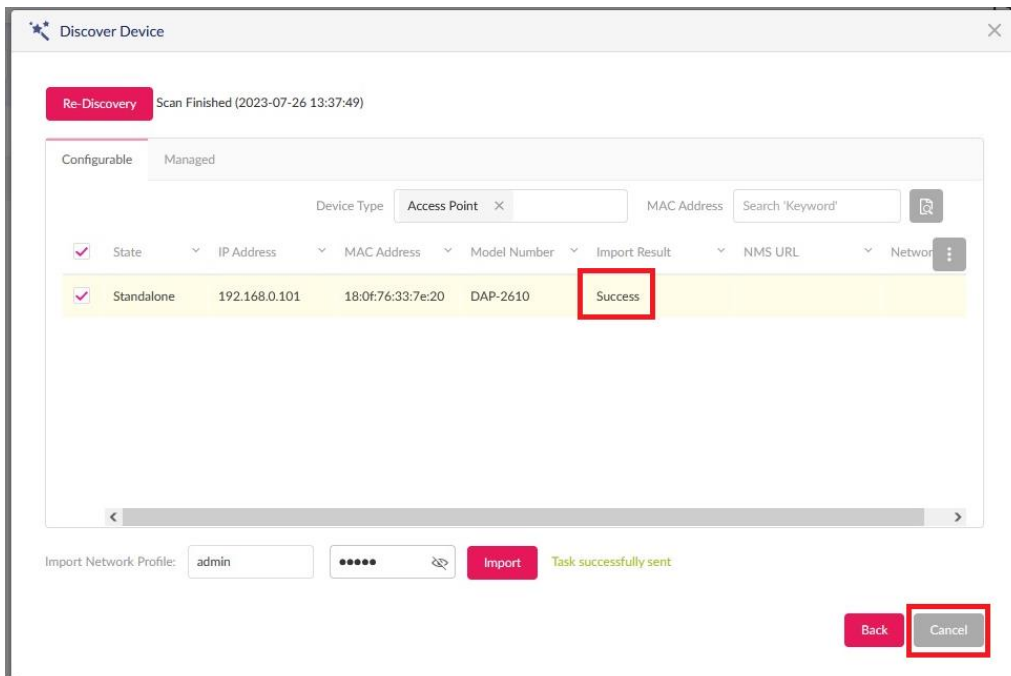
Then click on **Import** to add these APs to the Nuclias Connect profile.



15. A message appears. Please click on **Yes**.

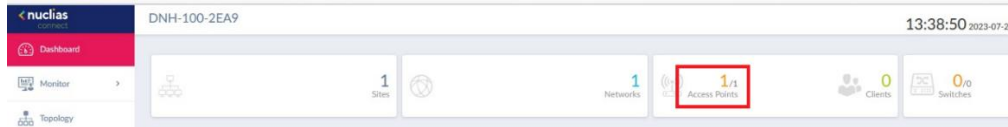


16. Then the displayed image twitches a few times and it has to show **Success**. When the displayed image no longer twitches then click on **Cancel**.



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

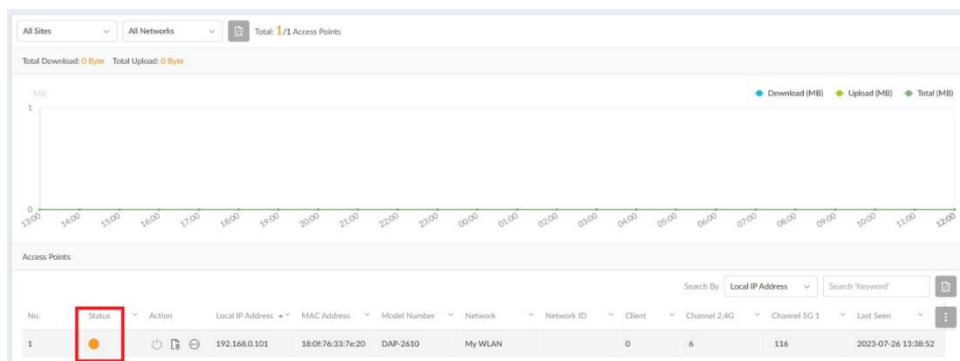
If you click on it...



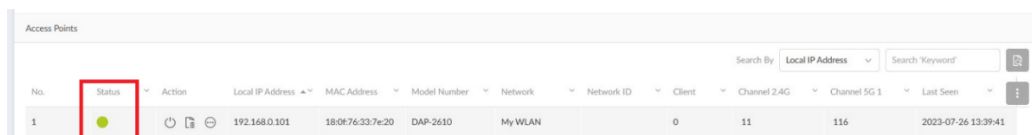
... you will get the added APs listed.

If there is an **orange** symbol in front of an AP, this means the AP is in "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 into 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.

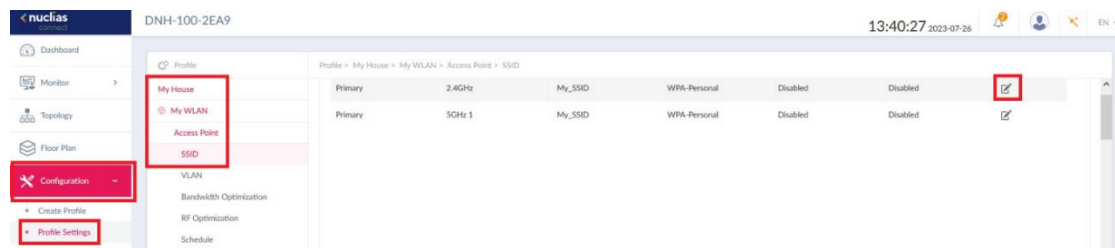
Depending on the DAP/DIS model, you can set the **WPA Mode** to **WPA2 Only** or **WPA2 or WPA3**. Of course, just WPA3 would be also possible.

What WPA-Mode the DAP/DIS models support, please see the details at [Nuclias Connect-enabled DAP models support WPA3 \(WPA2 or WPA3\) on page 17](#).

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.

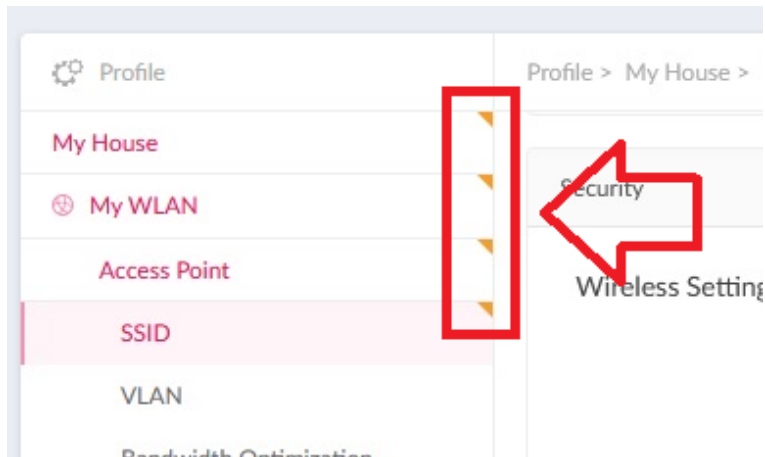
Then click on **Save**.

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

**21. Important:**

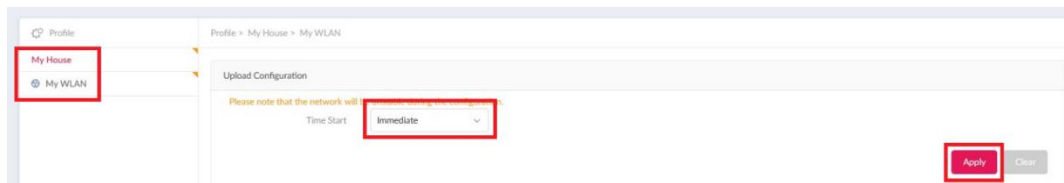
Whenever you have made settings in the DNH-100 profile, they are not yet transferred/active into the APs.

An **orange** sign is displayed, if settings are not transferred to the APs yet.

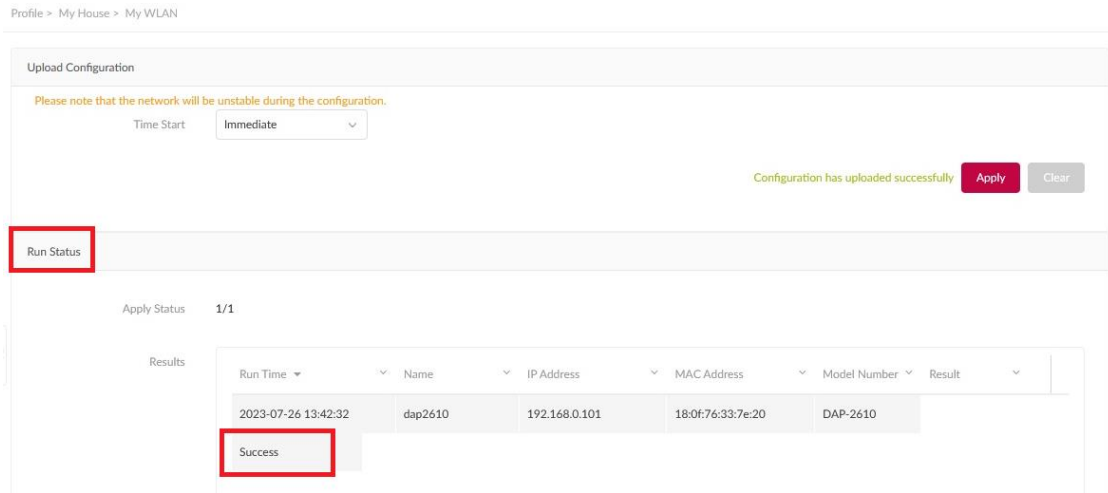


Then click on the **Site Network Name**.

**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 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 Nuclias 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>