



**Firmware Version:** 1.2.1.5

**Published Date:** 2024/Jan/4

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These release notes include important information about D-Link Nuclias Connect. Please verify that these release notes are correct for your products:

- If you plan to upgrade or install this new software release, please read System Requirement first to ensure the system you would like to install Nuclias Connect can fulfill the requirements and refer to the Installation and Upgrade Instructions for the correct upgrade procedures.
- For the detailed software version and support information, please refer to the Revision History.

Related Documentation and Information:

- For more detailed information regarding this product, please refer to Related Documentation.
- For the latest software and documentation, please visit Nuclias Connect web site <https://nuclias.com> and <https://www.dlink.com>.

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## Revision History and System Requirement:

Software Version	Date	Model	Hardware Version
1.2.1.5	2024/Jan/4	DNC-100	A1

## System Requirement:

	Large Scale Install	Small Scale Install
Maximum AP Managed	1500 AP	100 AP
Recommended Processor	Intel 8 <sup>th</sup> i7	Intel i5 3.2GHz
Recommended RAM	24G	8G
Recommended Storage	4TB	2TB
Ethernet NIC	Gigabit Ethernet card	Gigabit Ethernet card
Monitor resolution	1080P	1080P
Platform (Windows)	Windows 10 PRO or server 2016(64bit)	Windows 10 PRO(64bit)
Platform (Linux)	Ubuntu, CentOS	Ubuntu, CentOS
Browser for Nuclias Connect mgt.	Edge, Chrome and Safari	Edge, Chrome and Safari
Uplink bandwidth* (Nuclias Connect)	20Mbps	10Mbps

## Installation and Upgrade Instructions:

Visit Nuclias Connect Web site <https://download.nuclias.com/> to get the latest software version.

2 Please refer to Nuclias Connect Configuration Guide and User Manual to install your Nuclias Connect; be sure to read through following notices before you start the installation processes.

## New Features:

### Version 1.2.1.5

#### 1. Switch management

DGS-1100 H/W: Ax/Jx ; S/W: 4.00.010 or later

DGS-1100-16 H/W: A1, A2

DGS-1100-24 H/W: A1, A2

DGS-1100-24P H/W: A1, A2, A3

DGS-1100-18P H/W: A1, A2, A3

DGS-1100-18P H/W: J1, J2

DGS-1100-10MP H/W: A1, A2, A3

DGS-1100-10MPP H/W: A1, A2, A3

DGS-1100-26MP H/W: A1, A2, A3

DGS-1100-26MPP H/W: A1, A2, A3

DXS-1210 H/W: B1 ; S/W: R2.1 or later

DXS-1210-10TS H/W: B1

DXS-1210-12TC H/W: B1

DXS-1210-12SC H/W: B1

DXS-1210-16TC H/W: B1

2. Monitor>AP>Wireless Client, add two new fields, Username and Host name
3. Add SNMP settings for SNMP utility to gather data from nuclias connect managed devices.  
(DAP-2680 and DAP-X2810 BETA firmware support only)

### **Version 1.2.0.9**

#### 1. Switch management

DGS-1210 H/W: Fx ; S/W: 6.30.016 or later

DGS-1210-10P H/W: F1, F2

DGS-1210-10MP H/W: F1, F2

DGS-1210-10 H/W: F1

DGS-1210-20 H/W: F1, F2

DGS-1210-28 H/W: F1, F2, F3

DGS-1210-26 H/W: F1, F2, F3

DGS-1210-52 H/W: F1, F2, F3

DGS-1210-28P H/W: F1, F2, F3, F4

DGS-1210-28MP H/W: F1, F2, F3, F4

DGS-1210-52MP H/W: F1, F2, F3, F4

DGS-1210 H/W Gx FW Rev. 7.30.004 or later

DGS-1210-08P: G1, G2

DGS-1210-16: G1, G2

DGS-1210-24: G1, G2, G3

DGS-1210-24P: G1, G2, G3, G4

DGS-1210-48: G1, G2, G3

2. Add four languages support on GUI (Thailand, Vietnam, Malaysia and Indonesia).

**Version 1.2.0.5**

3. Switch management (DGS-1210 H/W: Fx ; S/W: 6.30.016 or later)

Model List:

DGS-1210-10P H/W: F1

DGS-1210-10MP H/W: F1

DGS-1210-10 H/W: F1

DGS-1210-20 H/W: F1, F2

DGS-1210-28 H/W: F1, F2, F3

DGS-1210-26 H/W: F1, F2, F3

DGS-1210-52 H/W: F1, F2, F3

DGS-1210-28P H/W: F1, F2, F3

DGS-1210-28MP H/W: F1, F2, F3

DGS-1210-52MP H/W: F1, F2, F3

4. Allow e-mail format on admin name of DNC-100
5. Improve the firmware online check mechanism.

**Version 1.1.0.6**

6. Support social login (Facebook, google)
7. Support fast roaming
8. Support AP firmware online check and download (FOTA)
9. Add Custom view page (Floor plan)
10. Support neighbor AP detection
11. Add walled garden and time control option on each captive portal authentication
12. Support captive portal page editor
13. Up to 1500 AP management per server
14. Add event and alert notification via email
15. Support change log on DNC-100
16. Captive/MAC authentication support MSCHAP v2 and secondary radius server
17. Update Terms of use and privacy policy
18. Add LED on/off setting on DNC-100
19. Rename SLA Login to Click Through
20. Add accounting and NAS ID settings on remote radius of captive portal
21. Add help page for Hotspot 2.0
22. Add resource item for online manual
23. Support 2FA on SSO(Single sign on)

NOTE. New function that related AP functions, new AP firmware is required.

**Version 1.0.2.12**

1. Support single sign on function
2. Support REST API function
3. Add 11ax selections for 11ax AP model
4. Add WPA3 function (for 11ax AP only)
5. Add LAN3 item in VLAN settings (For DAP-2622 only)
6. Support WIFI4EU function (For Europe project only)

## Version 1.0.1.6

1. Nuclias Connect will automatically restart after windows system reboot
2. 11k/v/r support (This feature is only available for DAP-2662 and DAP-3666)
3. Hotspot 2.0 (This feature is only available for DAP-2662 and DAP-3666)
4. SLA Login (This feature is only available for WIFI4EU project with DAP-2662 and DAP-3666)
5. Add 5GHz 2 for Tri-Band AP support.
6. In front desk page, can print multiple passcodes on one page

## Problems Fixed:

Software Version	Problems Fixed
1.2.1.5	<ol style="list-style-type: none"> <li>1. [HQ20221011000014] Topology View device arrangement issue</li> <li>2. [DBG22080250] DNC warns 'Please specify a valid IP address' always.(With DGS-1210 Gx 7.30.004)</li> <li>3. [DBG22090365] L3 Discovery did not work.</li> <li>4. [DBG22090415] In Monitor/Switch, the client translates in Chinese is typo.</li> <li>5. [HQ20221206000010] Hotspot: NAI Realm List settings cannot be saved.</li> <li>6. [HQ20221222000006] DAP-X2810 display old channel.</li> <li>7. [HQ20221226000002] Hotspot 2.0 settings cannot assign to DAP-3666.</li> <li>8. [HQ20221227000001] Modification some Japanese wordings.</li> <li>9. [HQ20230131000009] Cannot be saved a map file on floor plan.</li> <li>10. [HQ20230131000004] Core server is not running.</li> <li>11. [HQ20230207000008] Captive portal problem</li> <li>12. [DBG22110064][DGS-1210/Gx][7.30.004] The switches link status display error on the topology page.</li> <li>13. [HQ20230301000005] Most Active AP did not displayed in menu.</li> <li>14. [HQ20230307000001] On Monitor&gt;Access Point, the uptime sorting function did not work.</li> <li>15. [HQ20230215000010] Alert log issue on DAP-X2810</li> <li>16. [HQ20230130000001] Alerts issue</li> </ol>

	<p>17. [HQ20230502000005]View NAT IP from remote AP site is removed when upgrade.</p> <p>18. [HQ20230504000005] DNS entry check mechanism error.</p> <p>19. [HQ20230503000002] MAC description only can have one entry.</p> <p>20. [HQ20210630000001][1.1.0.6][bug]The modification of WEP Key Size in a SSID affects the settings of other SSID.</p> <p>21. HQ20230606000006] DNC-100 core server not running on windows 10</p>
1.2.0.9	<p>1. [VBG21080022] Using DNC APP aOS 1.0.21, when the sorting button is pressed in the last few columns, the position of the sorting option button that appears will be shifted to the left, and some will even be aligned to the left.</p> <p>2. [DBG21081415] REST API for "ApplyNetworkProfile" not working and will cause GUI can't login.</p> <p>3. [HQ20210702000004] Wrong Start Time at AM in Schedule issue.</p> <p>4.[HQ20210831000006] Not able to add radius server with IP 10.0.0.255.</p> <p>5. [HQ20210924000014] Fast roaming setting issue.</p> <p>6. [HQ20211019000006] large data cause system slow issue.</p> <p>7. [HQ20220517000003] The exported excel file data is not complete.</p> <p>8. [HQ20220623000002] Manage DAP-X2810 and configure it as WPA2-PSK has problem.</p> <p>9. [HQ20220401000008] EU WIFI4EU issue.</p> <p>10. [HQ20220324000003] Setup deletes Path Variable when longer than 1024 characters.</p> <p>11. [HQ20220315000005] Passcode authentication sometimes does not work properly.</p> <p>12. [HQ20220307000003] Single Sign On connection issue.</p> <p>13. [HQ20220718000008] Captive Portal Passcode unable to get the Pop-up page and username/password unable to successful login.</p> <p>14. [HQ20221011000014]Topology View, device arrangement display issue.</p> <p>15. [DBG22090365] [1.2.0.8] L2+L3 or Only L3 Discovery did not work. (only L2 OK)</p> <p>16.[DBG22090396][1.2.0.8] [DNC-100_A1][1.2.0.8]DGS-1210_Gx]Only L2 discovery function works.</p> <p>17.[DBG22090415][1.2.0.8]Monitor/Switch,The client translates in Chinese as "無線用戶".</p>

	<p>18.[DBG22090349][1.2.0.8]Install]Cannot run DNC normally, due to the core server didn't start.</p>
1.2.0.5	<ol style="list-style-type: none"> <li>1. WPA3-Only authentication will have incorrect option, TKIP and Auto once admin configure and change back to the page.</li> <li>2. REST API function cannot be active.</li> <li>3. The warning message of the NAS ID is incorrect.</li> </ol>
1.1.0.6	<ol style="list-style-type: none"> <li>1. The channel shows 'auto' on monitor AP page after apply profile.</li> <li>2. The user with the read-only privilege still can edit some part on UI.</li> <li>3. PVID/ LAN IP --&gt; All fields cannot move Cursor.</li> <li>4. Local User (or Local Admin/ Root User/ Root Admin) can adjust the AP channel on monitor page.</li> <li>5. The channel shows 'auto' on monitor AP page after apply profile.</li> <li>6. Change Device Access Port from 8443 to 8888, re-discovery, device always offline.</li> </ol>
1.0.2.12	<ol style="list-style-type: none"> <li>1. Fixed the issue that user with "local admin" privilege can not discovery devices.</li> <li>2. Fixed the issue that security value from "WPA Enterprise" turn to "Open System" automatically in wifi4eu profile</li> <li>3. Fixed the issue that the splash page always returns to "default"</li> <li>4. Fixed the issue that a blank page appears when the "Domain for Splash Page" is entered in uppercase.</li> <li>5. Add new feature that supports restarting computer after installation for windows install package.</li> <li>6. Optimize the display of the differences after the lifting version.</li> <li>7. Sorting issue on Profile Setting/ Firmware Upgrade Page.</li> </ol>
1.0.1.6	<ol style="list-style-type: none"> <li>1. Change default index in SSID&gt;Security page for new SSID creation optimization.</li> <li>2. In system&gt;Settings&gt;Connection, remove SSL certificate upload restriction.</li> <li>3. The time display on DNC-100 GUI is based on server time.</li> <li>4. Add bandsteering rule to avoid error configuration.</li> <li>5. Change password rule of admin user to fit D-Link security request.</li> <li>6. Fix issue: dashboard chart show no data when using Safari browser.</li> <li>7. Modify captive portal log table.</li> <li>8. Fix issue: sometimes there will have high cpu occupancy problem.</li> <li>9. Remove WEP Key Index item in Security Settings of SSID.</li> </ol>



	<p>10. For activation, increase maximum input character of Nuclias account name to 128.</p> <p>11. Fix issue: Cannot delete splash template on Nuclias Connect.</p> <p>12. Fix issue: Configure and save VLAN settings is inconsistent.</p>
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## Known Issues:

Software Version	Known Issues
1.2.1.5	<ol style="list-style-type: none"> <li>1. DBG23120027 - DUT link status displays an error on the topology page.</li> <li>2. DBG23120044 - The link information cannot be displayed correctly on the topology page.</li> <li>3. DBG23060315 - Combo port cannot linkup after clicking "Stop button of Locate Device"</li> </ol>
1.2.0.9	<ol style="list-style-type: none"> <li>1. DBG21081047 When uploaded the file name contains spaces SSL certificate and will show more than one results on run status even only have one managed AP on UI.</li> <li>2. VBG21050388. When device access address is mdns name, the passcode authentication will be failed. it does not pop-up authentication page on Android Chrome browser.</li> <li>3. DBG22080250 The ip address of switch cannot be entry if subnet mask incudes 192.0.0.170 and 192.0.0.171.(Based on RFC1880 and RFC7050, these two ip address cannot be used.)</li> <li>4. DBG22080284 Sometimes there is no data at Broadcast TX counter (DGS-1210 bug).</li> <li>5. DBG22080285 Sometimes there is no data Multicast TX counter (DGS-1210 bug).</li> <li>6. DBG22100041 The display of LACP settings is not correct on DNC-100 GUI</li> <li>7. DBG22110064 The switches link status display error on the topology page</li> </ol>
1.2.0.5	<ol style="list-style-type: none"> <li>1. Configuration-Profile: SSID_User Authentication Type is Passcode. The passcode cannot be typed in some specific browser (IE). And also, the CP page can't pop out in browser (Chrome). The root cause is SSL certificate is self-signed, if using customer online SSL certificate, it is no problem.</li> <li>2. Overview Packets shows inaccurate RX Broadcast counter(switch)</li> <li>3. Overview Packets shows incorrect counter information when time frame is "last 24 hours(switch)</li> <li>4. Sorting function is not work on system event log page</li> <li>5. DAP-X2810_v1.00r007_Can't update SSL with DNC-100 1.2.0.5(AP issue)</li> </ol>

	<ul style="list-style-type: none"> <li>6. SSL certificate update failed through DNC.(DAP-2620, DAP-2622, DIS-2650P, DAP-3666, DAP-3315, AP issue)</li> <li>7. DAP-2682_v1.00r022 and DAP-2720_v1.00r018_When push config to DAP more than once, will cause CP profile corrupted. (AP issue)</li> </ul>
1.1.0.6	<ul style="list-style-type: none"> <li>1. WPA3-Only authentication will have incorrect option, TKIP and Auto once admin configure and change back to the page.</li> <li>2. REST API function cannot be active.</li> <li>3. The warning message of the NAS ID is incorrect. (DBG21040654)</li> <li>4. Authentication Type is Passcode. The passcode cannot be typed in some specific browser (IE).( DBG21040748)</li> <li>5. Sorting function is not work on system event log page</li> </ul>
1.0.2.12	<ul style="list-style-type: none"> <li>1. If apply WPA3 authentication on AP that do not support this function, APs will become to radio off or abnormal.</li> <li>2. DAP-X2850 not sync with DNC-100 captive portal type 'MAC address' setting.</li> </ul>
1.0.1.6	<ul style="list-style-type: none"> <li>1. When SAT connect to DUT, in APP wireless client page will not show client connect info but DNC-100 will show correct info(AP bug).</li> <li>2. VLAN Settings did not sync from 5G primary Band. (DAP-2610/2660/2680/2682/2695/3662)</li> <li>3. Can't show authentication page automatically when android STA connect to SSID. (DAP-2662/3666)</li> </ul>

## Related Documentation:

Nuclias Connect Configuration Guide\_v1.00(WW)

Nuclias Connect User Manual\_v1.10(WW)