



## Quick Installation Guide

### Nuclias Connect AC2300 Wave 2 Access Point

**DAP-2682**



For **FREE** Nuclias Connect  
centralized management software and APP,  
please visit <https://download.nuclias.com/>

Additional documentation is also available on the D-Link website

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# Contents

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## Before You Begin

This installation guide provides instructions for installing the DAP-2682 on your network. Additional documentation is also available on the D-Link support website.

- **Nuclias Connect Manual:** For additional information and instructions on how to configure the device using Nuclias Connect.
- **DAP-2682 User Manual:** For additional information and instructions on how to configure the device using the web user interface.

## Package Contents

This DAP-2682 package includes the following items:

- DAP-2682 Access Point
- Power Adapter (Optional)
- Mounting Plate and Hardware
- Quick Start Guide

If any of the above items are damaged or missing, please contact your local D-Link reseller.

**Note:** Using a power supply with a different voltage than the one recommended for the device will cause damage and void the warranty for this product.

**Note:** No power adapter is supplied with this product. To power the unit, use an 802.3at PoE Switch or an 802.3at PoE Injector.

## System Requirements

- Computers with Windows®, Macintosh®, or Linux-based operating systems with an installed Ethernet Adapter
- Internet Explorer 11, Safari 7, Firefox 28, or Google Chrome 33 and above (for configuration)

## Hardware Overview

### LED Indicators

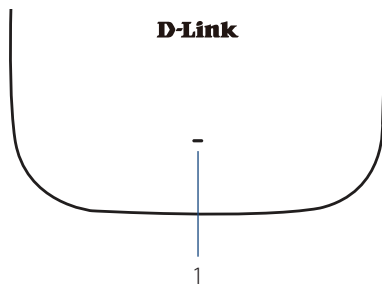


Figure 1: Front Panel LED

| # | LED          | Description                                                                                                                                                   |
|---|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Power/Status | <b>Green (Solid)</b> - Device operational<br><b>Red (Flashing)</b> - Device booting up/Device malfunctioned<br><b>Red (Solid)</b> - Device boot up has failed |

Table 1: LED Description

## Interface Connectors

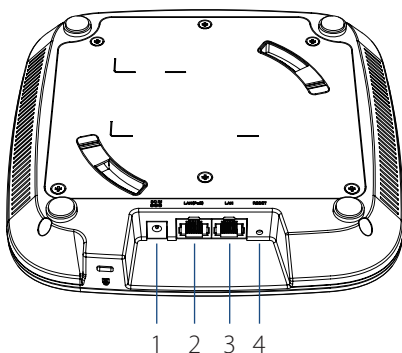


Figure 2: Rear Connectors

| # | Connector            | Description                                                                                                                                                                                     |
|---|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <b>Power Input</b>   | Input for the power adapter, however the device can be powered over Ethernet.<br><b>Note:</b> An 802.3at PoE injector is not included in the package contents, but can be purchased separately. |
| 2 | <b>LAN(PoE) Port</b> | Gigabit RJ-45 port for data and Power over Ethernet (PoE) power.                                                                                                                                |
| 3 | <b>LAN Port</b>      | Gigabit RJ-45 port for data.                                                                                                                                                                    |
| 4 | <b>Reset</b>         | Press and hold for 10 seconds to factory reset the device.                                                                                                                                      |

Table 2: Interface Description

## Installation

The DAP-2682 can be powered using one of the following two methods:

### Using Power over Ethernet (PoE)

1. Use a standard Ethernet cable to connect the LAN port on the DAP-2682 to a PoE power source device such as an 802.3at PoE switch or 802.3at PoE injector.

### Using a Power Adapter (Optional)

1. Connect the power connector of the adapter to the power input on the DAP-2682 and plug the adapter into a nearby power outlet.

## Configuration

### Using Nuclias Connect

The DAP-2682 is designed to be managed through Nuclias Connect. Refer to the **Nuclias Connect Manual** for detailed configuration instructions.

### Manual Configuration

**Note:** D-Link recommends manually configuring the device before mounting it. The management computer, DHCP server and DAP-2682 must be in the same subnet.

Use one of the following methods to access the web user interface:

### Connecting through Ethernet

1. Use an Ethernet cable to connect the DAP-2682 to the management computer, or to the switch or router the management computer is connected to.
2. Manage the access point from a computer. Enter **dap2682.local** in the address field of your browser.
3. Log in to the administration user interface. The default login information is

Username: **admin**

Password: **admin**

## Connecting Wirelessly

1. Connect the management computer to the default SSID of the DAP-2682, "dlink".
2. Manage the access point from a computer. Enter **dap2682.local** in the address field of your browser.
3. Log in to the administration user interface. The default login information is

Username: **admin**

Password: **admin**

## Mounting

### Mounting on a Solid Wall or Ceiling

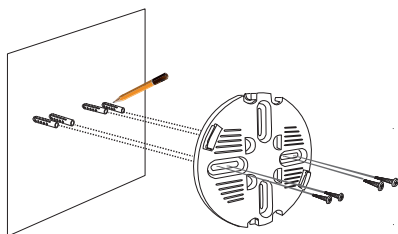


Figure 3: Attaching the Mounting Plate

1. Use the mounting plate to mark the location where to drill the holes in the wall or ceiling.
2. Drill holes on the markings and place the included anchors into the drilled holes.
3. Align and place the mounting plate on top of the anchors and use the included screws to secure the mounting plate to the surface.
4. Plug the Ethernet cable into the LAN (PoE) port of the device. **Note:** If you are powering the device with a power adapter, plug the adapter into the Power Input port.

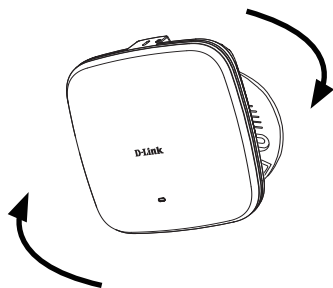


Figure 4: Mounting the Device

5. Rotate the DAP-2682 into the grooves on the mounting plate to secure it to the plate.

### Mounting with Ceiling Brackets

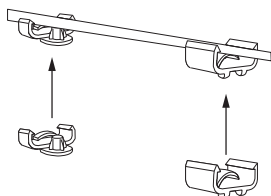


Figure 5: Attaching the Ceiling Brackets

1. Clip the two ceiling brackets onto a ceiling crossbar.

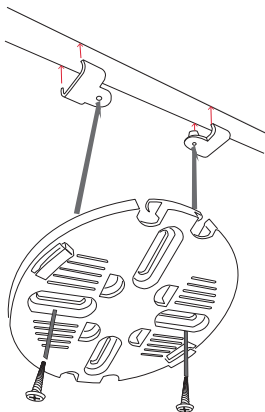


**Figure 6: Attaching the Mounting Plate**

2. Use the included screws to secure the mounting plate to the ceiling brackets.
3. Plug the Ethernet cable into the LAN (PoE) port of the device. **Note:** If you are powering the device with a power adapter, plug the adapter into the Power Input port.

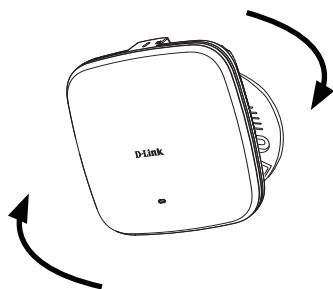


**Figure 7: Mounting the Device**

4. Rotate the DAP-2682 into the grooves on the mounting plate to secure it to the plate.

# Appendix - Statements

## ErP Power Usage

This device is an Energy Related Product (ErP) that automatically switches to a power-saving Network Standby mode within 1 minute of no packets being transmitted. It can also be turned off through a power switch to save energy when it is not needed.

Network Standby: 3.12 watts

## Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## Non-modifications Statement:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

## Caution:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter except in accordance with FCC multi-transmitter product procedures. For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

## Note

The country code selection is for non-USA models only and is not available to all USA models. Per FCC regulations, all WiFi product marketed in the USA must be fixed to USA operational channels only.

## **RF Frequency Requirements**

This device is for indoor use only when using all channels in the 5.15 to 5.25 GHz frequency range. High power radars are allocated as primary users of the 5.25 to 5.35 GHz and 5.65 to 5.85 GHz bands. These radar stations can cause interference with and/or damage this device. This device will not operate on channels which overlap the 5600-5650 MHz band.

It is restricted to indoor environments only.

## **IMPORTANT NOTICE:**

### **Innovation, Science and Economic Development Canada (ISED) Statement:**

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

### **Innovation, Science and Economic Development Canada (ISED) Statement:**

This device complies with ISED licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

(i) the device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;

(ii) les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

Operations in the 5.25-5.35 GHz band are restricted to indoor usage only.

Les opérations dans la bande de 5.25-5.35 GHz sont limitées à un usage intérieur seulement.

## **Radiation Exposure Statement**

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0.28 m between the radiator and your body.

## **Déclaration d'exposition aux radiations**

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 0.28 m de distance entre la source de rayonnement et votre corps.

## Japan Voluntary Control Council for Interference Statement

この装置は、クラス B 情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。

取扱説明書に従って正しい取り扱いをして下さい。

## Japan Voluntary Control Council for Interference Statement

This is a Class B product based on the standard of the VCCI Council. If this is used near a radio or television receiver in a domestic environment, it may cause radio interference. Install and use the equipment according to the instruction manual.

電波法により5GHz帯は屋内使用に限ります。

## Product and Warranty Information

To find out more about D-Link Nuclias product or marketing information, please visit the website <http://www.dlink.com> or <https://www.nuclias.com>.

The D-Link Limited Lifetime Warranty information is available at <http://www.dlink.com/warranty>

VCCI-B

低功率電波輻射性電機管理辦法

第十二條 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前項合法通信，指依電信法規定作業之無線電通信。

低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

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For UNII產品(5GHz WLAN/WIFI)

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1. 使用此產品時應避免影響附近雷達系統之操作。

**Industry Canada statement:**

This device complies with ISSED's licence-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

**Caution :**

- (i) the device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
- (ii) where applicable, antenna type(s), antenna models(s), and worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in section 6.2.2.3 shall be clearly indicated.

**Avertissement:**

- (i) les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;
- (ii) lorsqu'il y a lieu, les types d'antennes (s'il y en a plusieurs), les numéros de modèle de l'antenne et les pires angles d'inclinaison nécessaires pour rester conforme à l'exigence de la p.i.r.e. applicable au masque d'élévation, énoncée à la section 6.2.2.3, doivent être clairement indiqués.

**Radiation Exposure Statement:**

This equipment complies with ISSED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with greater than xx cm between the radiator & your body.

**Déclaration d'exposition aux radiations:**

Cet équipement est conforme aux limites d'exposition aux rayonnements ISSED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à plus de xx cm entre le radiateur et votre corps.

## Notes



**D-Link®**



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