

DWL-3140AP

Release 1.00

Access Point

Wireless 108G Web Smart Thin AP with PoE

Install Guide

System Requirements

- A Network with a D-Link DES-1228P Wireless Switch

Package Contents

- Access Point
- CD
- Ethernet Cable
- 5V 1.2A Power Adapter
- Mounting Bracket
- Mounting Kit

This access point can only be used with a D-Link DES-1228P wireless switch. Please refer to the xStack user manual for configuration of the access point.

Installation Considerations

D-Link wireless devices allow you access your network using a wireless connection from virtually anywhere within the operating range of your wireless network. Keep in mind, however, that the number, thickness and location of walls, ceilings, or other objects that the wireless signals must pass through, may limit the range. Typical ranges vary depending on the types of materials and background RF (radio frequency) noise in your home or business. The key to maximizing wireless range is to follow these basic guidelines:

1. Keep the number of walls and ceilings between the D-Link access point and other network devices to a minimum - each wall or ceiling can reduce your adapter's range from 3-90 feet (1-30 meters.) Position your devices so that the number of walls or ceilings is minimized.
2. Be aware of the direct line between network devices. A wall that is 1.5 feet thick (.5 meters), at a 45-degree angle appears to be almost 3 feet (1 meter) thick. At a 2-degree angle it looks over 42 feet (14 meters) thick! Position devices so that the signal will travel straight through a wall or ceiling (instead of at an angle) for better reception.
3. Building Materials make a difference. A solid metal door or aluminum studs may have a negative effect on range. Try to position access points, wireless routers, and computers so that the signal passes through drywall or open doorways. Materials and objects such as glass, steel, metal, walls with insulation, water (fish tanks), mirrors, file cabinets, brick, and concrete will degrade your wireless signal.
4. Keep your product away (at least 3-6 feet or 1-2 meters) from electrical devices or appliances that generate RF noise.
5. If you are using 2.4GHz cordless phones or X-10 (wireless products such as ceiling fans, lights, and home security systems), your wireless connection may degrade dramatically or drop completely. Make sure your 2.4GHz phone base is as far away from your wireless devices as possible. The base transmits a signal even if the phone is not in use.

Before You Begin

Please read the following before you begin:

1. Do not operate the DWL-3140AP access point near unshielded blasting caps or in an otherwise explosive environment unless the device has been modified for such use by qualified personnel.
2. Do not touch or move the DWL-3140AP access point when the antennas are transmitting or receiving.
3. Do not hold any radio device so that the antenna is very close to or touching the face, eyes, or other exposed body part while the device's radio antenna is transmitting.
4. Before using a wireless device in a hazardous location, consult the local codes, national codes, and safety directors of the location for usage constraints.
5. Do not connect or disconnect cables or otherwise work with the DWL-3140AP access point hardware during lightning storms.
6. The DWL-3140AP access point is intended for indoor use only. Do not install the device outdoors.
7. To reduce the possibility of connection interference caused by dust, clean the CAT 5 connector pins before inserting a cable into an DWL-3140AP access point.

Front Panel



Rear Panel

Power Receptor

Receptor for the supplied power adapter.



Rear Panel

Ethernet Port

Connects the DWL-3140AP to the DES-1228P switch using an Ethernet cable.

Power LED

A solid green light indicates a proper connection to the power supply.

LAN LED

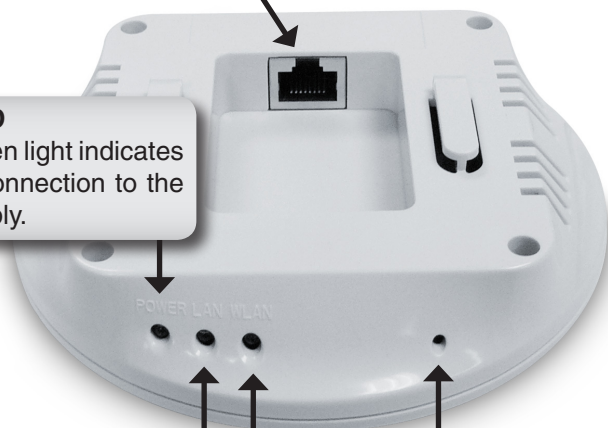
A solid green light indicates a connection to the Ethernet port. This LED blinks during data transmission.

Reset

Press the reset button to restore the access point to its original factory default settings.

WLAN LED

A solid green light indicates a wireless connection is ready. This LED blinks during data transmission.



Mounting Options

You can mount a DWL-3140AP access point on any of the following types of surfaces:

- Solid surface wall or ceiling
- Tabletop

Cable Requirement

The Ethernet ports on the DWL-3140AP access point cannot accept a CAT 5 cable that has an uneven sheath. The RJ-45 connector on the cable will not seat properly in the receptacle on the access point. Use a CAT 5 cable with an even sheath instead.

Wall Installation Recommendations

If you plan to install an AP on a partial wall or other vertical surface, orient the top of the access point (the side with the D-Link Logo) toward the intended coverage area. The radio antennas transmit through the top of the access point but not through the bottom (where the bracket is).

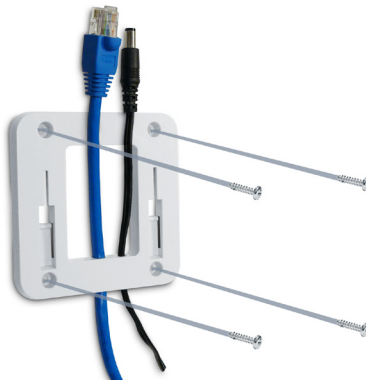
DES-1228P Wireless Switch Recommendations

D-Link recommends that you install and configure the DES-1228P wireless switch before installing an access point. If the switch is already installed and configured for the access point(s), you can immediately verify the cable connection(s) when you plug the cable(s) into the access point.

Warning: The DWL-3140AP is designed to receive power only from an 802.3af-compliant source, a D-Link DES-1228P wireless switch, or a D-Link-approved power injector. Connecting an access point to a Power over Ethernet (PoE) device that is not approved by D-Link can damage the equipment.

Solid Wall or Ceiling Installation

1. Remove the mounting bracket from the DWL-3140AP.
2. Attach the bracket to the wall or ceiling.
3. Mark the points where you will use screws. Take out the bracket.
4. Drill the marked points and insert the plastic wall mount.
5. Let the power and CAT5 cable slide through the mounting bracket.
6. Use the supplied screws to attach the bracket.



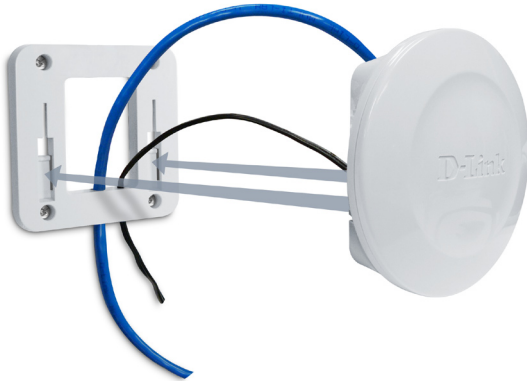
7. Plug the power cable into the access point.



8. Plug the CAT 5 cable into the access point.



9. Attach the access point to the mounting bracket.



10. Gently pull the power cable and the ethernet cable as you slide up to lock the access point onto the bracket.

Warranty

Subject to the terms and conditions set forth herein, D-Link Systems, Inc. (“D-Link”) provides this Limited Warranty:

- Only to the person or entity that originally purchased the product from D-Link or its authorized reseller or distributor, and
- Only for products purchased and delivered within the fifty states of the United States, the District of Columbia, U.S. Possessions or Protectorates, U.S. Military Installations, or addresses with an APO or FPO.

Limited Warranty:

D-Link warrants that the hardware portion of the D-Link product described below (“Hardware”) will be free from material defects in workmanship and materials under normal use from the date of original retail purchase of the product, for the period set forth below (“Warranty Period”), except as otherwise stated herein.

- Hardware: One (1) year

The customer’s sole and exclusive remedy and the entire liability of D-Link and its suppliers under this Limited Warranty will be, at D-Link’s option, to repair or replace the defective Hardware during the Warranty Period at no charge to the original owner or to refund the actual purchase price paid. Any repair or replacement will be rendered by D-Link at an Authorized D-Link Service Office. The replacement hardware need not be new or have an identical make, model or part. D-Link may, at its option, replace the defective Hardware or any part thereof with any reconditioned product that D-Link reasonably determines is substantially equivalent (or superior) in all material respects to the defective Hardware. Repaired or replacement hardware will be warranted for the remainder of the original Warranty Period or ninety (90) days, whichever is longer, and is subject to the same limitations and exclusions. If a material defect is incapable of correction, or if D-Link determines that it is not practical to repair or replace the defective Hardware, the actual price paid by the original purchaser for the defective Hardware will be refunded by D-Link upon return to D-Link of the defective Hardware. All Hardware or part thereof that is replaced by D-Link, or for which the purchase price is refunded, shall become the property of D-Link upon replacement or refund.

Non-Applicability of Warranty:

The Limited Warranty provided hereunder for Hardware and Software portions of D-Link’s products will not be applied to and does not cover any refurbished product and any product purchased through the inventory clearance or liquidation sale or other sales in which D-Link, the sellers, or the liquidators expressly disclaim their warranty obligation pertaining to the product and in that case, the product is being sold “As-Is” without any warranty whatsoever including, without limitation, the Limited Warranty as described herein, notwithstanding anything stated herein to the contrary.

Submitting A Claim:

The customer shall return the product to the original purchase point based on its return policy. In case the return policy period has expired and the product is within warranty, the customer shall submit a claim to D-Link as outlined below:

- The customer must submit with the product as part of the claim a written description of the Hardware defect or Software nonconformance in sufficient detail to allow DLink to confirm the same, along with proof of purchase of the product (such as a copy of the dated purchase invoice for the product) if the product is not registered.
- The customer must obtain a Case ID Number from D-Link Technical Support at 1-877-453-5465, who will attempt to assist the customer in resolving any suspected defects with the product. If the product is considered defective, the customer must obtain a Return Material Authorization (“RMA”) number by completing the RMA form and entering the assigned Case ID Number at <https://rma.dlink.com/>.
- After an RMA number is issued, the defective product must be packaged securely in the original or other suitable shipping package to ensure that it will not be damaged in transit, and the RMA number must be prominently marked on the outside of the package. Do not include any manuals or accessories in the shipping package. DLink will only replace the defective portion of the product and will not ship back any accessories.
- The customer is responsible for all in-bound shipping charges to D-Link. No Cash on Delivery (“COD”) is allowed. Products sent COD will either be rejected by D-Link or become the property of D-Link. Products shall be fully insured by the customer and shipped to D-Link Systems, Inc., 17595 Mt. Herrmann, Fountain Valley, CA 92708. D-Link will not be held responsible for any packages that are lost in transit to D-Link. The repaired or replaced packages will be shipped to the customer via UPS Ground or any common carrier selected by D-Link. Return shipping charges shall be prepaid by D-Link if you use an address in the United States, otherwise we will ship the product to you freight collect. Expedited shipping is available upon request and provided shipping charges are prepaid by the customer. D-Link may reject or return any product that is not packaged and shipped in strict compliance with the foregoing requirements, or for which an RMA number is not visible from the outside of the package. The product owner agrees to pay D-Link’s reasonable handling and return shipping charges for any product that is not packaged and shipped in accordance with the foregoing requirements, or that is determined by D-Link not to be defective or non-conforming.
- After an RMA number is issued, the defective product must be packaged securely in the original or other suitable shipping package to ensure that it will not be damaged in transit, and the RMA number must be prominently marked on the outside of the package. Do not include any manuals or accessories in the shipping package. DLink will only replace the defective portion of the product and will not ship back any accessories.

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Limitation of Liability:

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CE Mark Warning:

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

FCC 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 communication. 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 or more 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.

For detailed warranty information applicable to products purchased outside the United States, please contact the corresponding local D-Link office.

Notes

Registration



Product registration is entirely voluntary and failure to complete or return this form will not diminish your warranty rights.

Technical Support

D-Link's website contains the latest user documentation and software updates for D-Link products.

U.S. and Canadian customers can contact D-Link Technical Support through our website or by phone.

United States

Telephone

(877) DLink55
(877) 354-6555

Internet

<http://support.dlink.com>

Canada

Telephone

(877) 354-6560

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<http://support.dlink.com>



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