D-Link
Quick Installation Guide

This product can be set up using any current web browser, i.e. Internet Explorer or Netscape Navigator.

DWL-2700AP
Wireless G Outdoor AP/Bridge

Before You Begin

It's best to use a computer (with an Ethernet adapter) connected to a switch to configure the DWL-2700AP. The default IP address for the DWL-2700AP is **192.168.0.50** with a subnet mask of **255.255.255.0** on the **wired Ethernet side.** You will need to assign your computer a static IP address within the same range as the DWL-2700AP's IP address for the purpose of configuring the DWL-2700AP. **If you need assistance assigning a static IP address to your network adapter, please refer to the manual on the CD-ROM.**

Check Your Package Contents

DWL-2700AP
Wireless G Outdoor Access Point/Bridge

CD-ROM (Containing Manual and Warranty)

Two Rubber Dipole Antenna

Surge Arrestor

Check Your Package Contents (continued)

PoE base unit

RF jumper cable

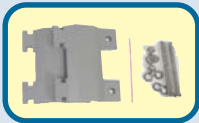30M Ethernet cable

Grounding wire

Power cord

Power Adapter

8 Screws and rubber ring

Check Your Package Contents (continued)

Mounting Option A

 Mounting Kit

Mounting Option B

 Mounting Kit

 Wall Mount Screws

If any of the above items are missing, please contact your reseller.

Important Information

This product should **ONLY** be installed by an experienced installer who is familliar with local building and safety codes and where ever applicable, is licensed by the appropriate authorities. Failure to do so may void the D-Link product warranty and may expose the end user or the service provider to legal and financial liabilities. D-Link and its resellers or distributors are not liable for injury, damage or violation of regulations associated with the installation of outdoor units or antennas.

A safety grounding system is necessary to protect your outdoor installation from lightning strikes and the build-up of static electricity. So direct grounding of the antenna mast, Outdoor AP, and Surge Arrester is very important. And so mounting the Outdoor AP on the antenna mast, you have to connect the Outdoor AP to the same grounding system with the AC wall outlet. The grounding system must comply with the National Electrical Code and safety standards that apply in your country. Always check with a qualified electrician if you are in doubt as to whether your outdoor installation is properly grounded.

1 Physical Installation for your DWL-2700AP

Step 1: Connect the supplied Ethernet cable with the waterproof enclosure to the Ethernet port on the DWL-2700AP and attach the grounding wire.

Physical Installation for your DWL-2700AP (continued)

Step 2: Install the two dipole antennas to the antenna connector, and attach the grounding wires.

Step 3: Install the mounting kits. You can select between two mounting options.
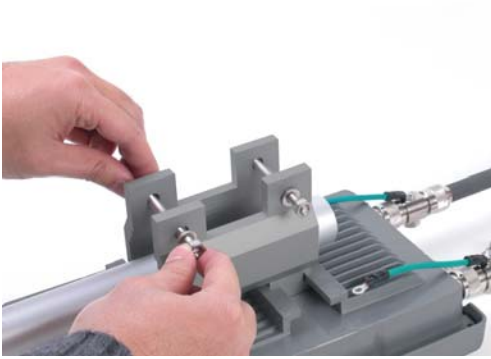
Mounting Option A:

A complete DWL-2700AP with Mounting Option A should look like this.
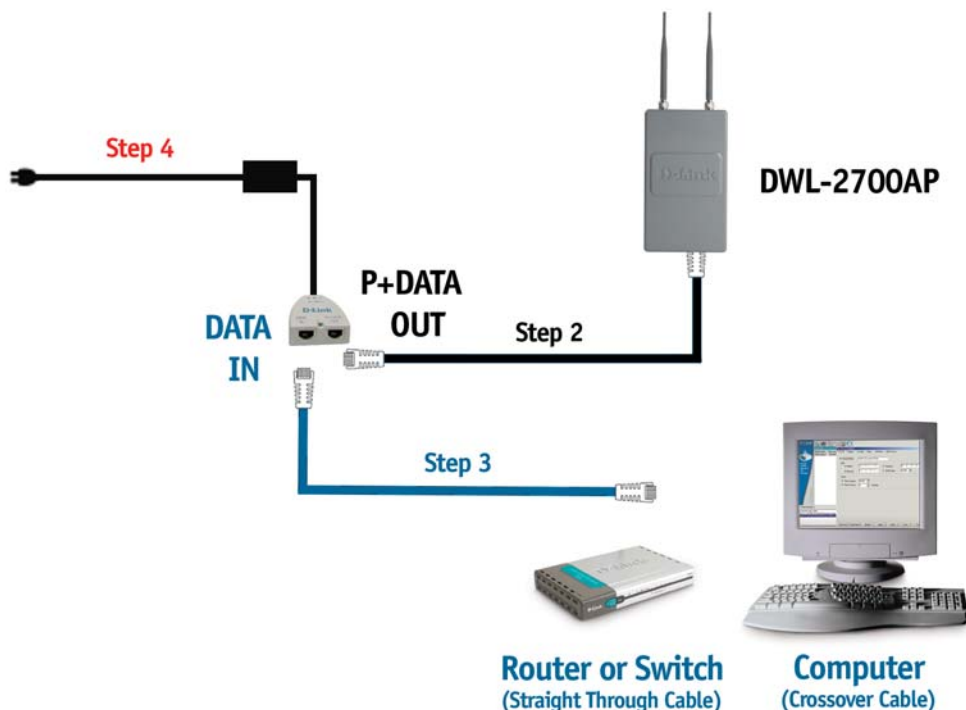
Mounting Option B:

A complete DWL-2700AP with Mounting Option B should look like this.

Connecting The DWL-2700AP Wireless Access Point To Your Network

2

Hardware Installation Overview

Step 4 P+DATA OUT DATA IN DWL-2700AP Step 2 Step 3

Router or Switch
(Straight Through Cable)

Computer
(Crossover Cable)

Step 1: Do the **Physical Installation** first (Please refer to pages 4-8).

Step 2: Connect the remaining end of the supplied Ethernet cable (Connected to the DWL-2700AP in Step 1 on page 4) to the **P+ DATA OUT** port on the PoE base unit.

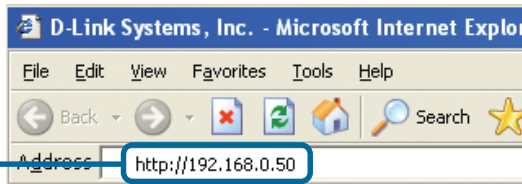**Step 3:** Connect a straight through Ethernet cable from a router/switch to the **DATA IN** port on the PoE base unit. If connecting directly to a PC instead of a router or switch, then a crossover Ethernet cable must be used.

Step 4: Attach the power adapter to the connector labeled **POWER IN** on the PoE base unit. Attach the power cord to the power adapter and into an electrical outlet.

3 **Using The Setup Wizard**

Open your Web browser and type **http://192.168.0.50** into the URL address box. Then press the **Enter** or **Return** key.
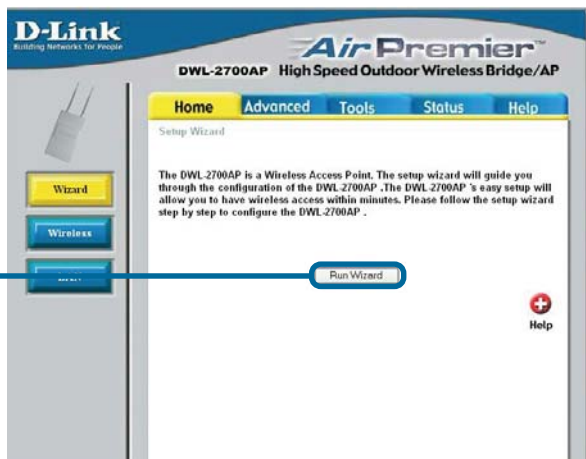
D-Link Systems, Inc. - Microsoft Internet Explor
File   Edit   View   Favorites   Tools   Help
Back | Search
Address   http://192.168.0.50

The logon pop-up screen will appear.

Connect to 192.168.0.50

DWL2700AP

Type admin for the username and leave the password field blank.

User name: admin
Password:

Remember my password

Click OK

OK   Cancel

Once you have logged in, the **Home** screen will appear.

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Air Premier
DWL-2700AP   High Speed Outdoor Wireless Bridge/AP

Home   Advanced   Tools   Status   Help

Setup Wizard

The DWL-2700AP is a Wireless Access Point. The setup wizard will guide you through the configuration of the DWL-2700AP. The DWL-2700AP 's easy setup will allow you to have wireless access within minutes. Please follow the setup wizard step by step to configure the DWL-2700AP.

Wizard

Wireless

Click Run Wizard

Run Wizard

Help

You will see the following screens.

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Building Networks for People

Air Premier™
11g High Speed Outdoor Wireless Bridge/AP

Home   Advanced   Tools   Status   Help

Setup Wizard

Welcome to the DWL-2700AP Setup Wizard. The Wizard will guide you through these four quick steps. Begin by clicking on **Next**.

Wizard

Step 1. Set your new password
Step 2. Set the SSID and Channel (802.11g)
Step 3. Set Encryption (802.11g)
Step 4. Restart

Wireless

LAN

Click Next ───────────────── Next Exit

Step 1 - **Set up your new password**. You have the option to establish a password.

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Air Premier™
11g High Speed Outdoor Wireless Bridge/AP

Home   Advanced   Tools   Status   Help

Setup Wizard

Set Password

You may change the password by entering a new password. Click Next to continue.

Wizard

Password [   ]
Verify Password [   ]

Wireless

LAN

Back Next Exit

Click Next ─────────────────

Step 2 - **Set Wireless LAN 802.11g Connection**
Enter the desired SSID and the channel that you wish to use here. This is the SSID that will be broadcast to wireless users.

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11g High Speed Outdoor Wireless Bridge/AP

Home   Advanced   Tools   Status   Help

Setup Wizard

Set Wireless LAN 802.11g Connection

Enter the SSID name and Channel number to be used for the Wireless LAN 802.11g Connection. Click Next to continue.

Wizard

SSID [default]
Channel [6 ▼]

Wireless

LAN

Back Next Exit

Click Next ─────────────────

Step 3 - **Set Security Level**
The DWL-2700AP is capable of three levels of wireless encryption: No Security, WEP, and WPA-PSK. **By default encryption is disabled.** You can change the encryption settings for a more secure wireless network.
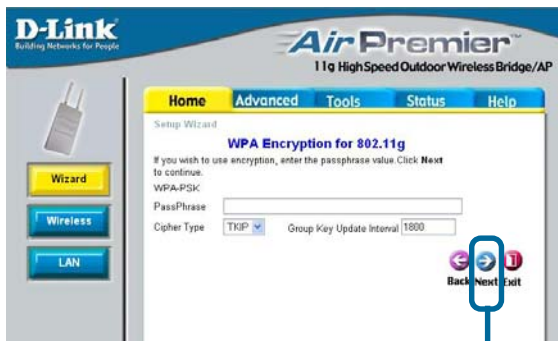

Click Next

If you choose WEP, you can select HEX or ASCII for key type using 64-bit, 128-bit, or 152-bit.

Click Next

If you choose WPA-PSK, enter the passphrase here. Cipher type TKIP is used. By default the Group Key Update Interval is 1800.

Click Next

4 Your Setup is Complete!

Click Restart

When you have completed the steps in this *Quick Installation Guide,* your connected network should look similar to this.

AP Mode:

DWL-2700

Ethernet Cable

Inline Power Injector (included)

Hub, Switch or Router

WDS Mode:

DWL-2700
DWL-2700
DWL-2700

Inline Power Injector
Ethernet Cable
Hub, Router or Switch
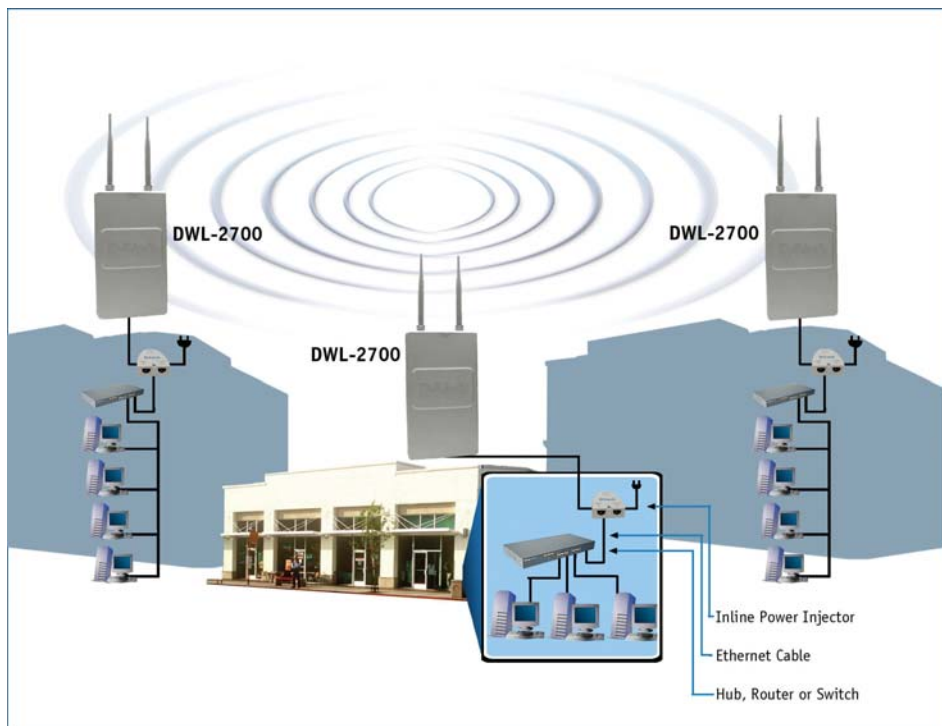
Note: Please refer to the manual for WDS Mode setup.

Appendix - High Gain External Antenna (Optional)

An external high gain antenna (not included) can be connected to the DWL-2700AP to extend the range of the network.

For high gain antenna information, please contact D-Link sales at 1-800-326-1688.

The external gain antenna attaches to the right side of the DWL-2700AP when the front panel (D-Link) is facing towards you.

An external high gain antenna connects here.

Notes

Notes

Technical Support

You can find software updates and user documentation on the D-Link website.

D-Link provides free technical support for customers within the United States and within Canada for the duration of the warranty period on this product.

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

Tech Support for customers within the United States:

D-Link Technical Support over the Telephone:
(877) 453-5465
Monday to Friday, 8:00am to 5:00pm PST

D-Link Technical Support over the Internet:
http://support.dlink.com
email:support@dlink.com

Tech Support for customers within Canada:

D-Link Technical Support over the Telephone:
(800) 361-5265
Monday to Friday, 7:30am to 9:00pm EST

D-Link Technical Support over the Internet:
http://support.dlink.ca
email:support@dlink.ca

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