

#### DWL-3260AP Release 1.20

# **Wireless Managed AP**

# User Manual

**Business Class Networking** 

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## **Package Contents**



- D-Link *Air*Premier<sup>™</sup> DWL-3260AP Managed Wireless Access Point
- Power over Ethernet base unit
- Power Adapter-DC 48V, 0.4A
- Power Cord
- Manual and Warranty on CD
- Quick Installation Guide
- Ethernet Cable
- Mounting Plate

Note: Using a power supply with a different voltage than the one included with the **DWL-3260AP** will cause damage and void the warranty for this product.

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

## Minimum System Requirements

- Computers with Windows<sup>®</sup>, Macintosh<sup>®</sup>, or Linux-based operating systems with an installed Ethernet Adapter
- Internet Explorer version 6.0 or Netscape Navigator<sup>™</sup> version 7.0 and above

# Introduction

The D-Link AirPremier DWL-3260AP is a powerful and reliable wireless access point for businessclass enterprise environments. Designed for indoor installation, this access point provides advanced functions including 108Mbps Turbo speed, security, Quality of Service (QoS), and Power over Ethernet (PoE) for network administrators to deploy a highly manageable and robust wireless network.

Up to 108Mbps Wireless Speed. The DWL-3260AP delivers reliable wireless performance with standard 802.11g wireless throughput rates of up to 54Mbps. It is also capable of reaching maximum wireless signal rates of up to 108Mbps (Turbo mode) powered by D-Link 108G technology. At the same time, the DWL-3260AP remains fully compatible with the IEEE 802.11b and 802.11g standards.

Power Over Ethernet Support. For maximum coverage, the DWL-3260AP can be placed at inconvenient locations such as on a ceiling, using a mounting plate. Industry-standard 802.3af PoE support facilitates installation of this device on high places, where AC outlets are inaccessible and providing power to these locations is difficult and expensive. From the ceiling, the DWL-3260AP can obtain power from a PoE switch located as far as 100 meters away through the unused pairs of the existing network cable, doing away with the need to install separate power wiring.

Ceiling Mounting. The DWL-3260AP has a round shape and can be camouflaged as a smoke detector to discourage the attention of network intruders. Its diagnostic LED can be turned off to make it appear even more like a smoke detector.

Advanced Wireless Security. Since wireless security remains a strong concern among businesses, the DWL-3260AP provides the latest wireless security technologies by supporting both WPA/WPA2-Enterprise and 802.1x to ensure complete network protection. In addition, the DWL-3260AP currently comes 802.11i-ready to fully support industrial grade wireless security. Other security features included in this Access Point are MAC Address Filtering, Wireless LAN segmentation, Broadcast SSID Disabled, and support for Advanced Encryption Standard (AES) data encryption.

WDS (Wireless Distribution System) Support. To maximize total return on investment, the DWL-3260AP can be configured to operate as an access point (AP mode), a point-to-point bridge or a point-to-multipoint bridge (WDS mode). In the AP mode, the DWL-3260AP uses its built-in omni-directional antenna for multi-angle coverage. In the WDS mode, the DWL-3260AP can be mounted on a high wall and externally fitted with an optional directional antenna through its SMA connector. Users will disable the built-in antenna through a slide switch, and the DWL-3260AP will communicate only with wireless bridges, using the external directional antenna, without allowing wireless clients or workstations to access them.

<sup>\*&</sup>quot;Maximum wireless signal rate derived from IEEE Standard 802.11g specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead lower actual data throughout rate."

Increased Network Flexibility and Efficiency. The DWL-3260AP supports multiple SSIDs, allowing you to separate applications based on security and performance requirements. You can enable encryption and authentication on one SSID to protect private applications and assign no security on another SSID to maximize open connectivity for public usage. Multiple SSIDs means you can mix and match the broadcasting of SSIDs. For public Internet access applications, you can broadcast the SSID to enable user radio cards to automatically find available access points. For private applications, you can disable SSID broadcast to prevent intruders from identifying your network. You can set the number of users that can associate via a particular SSID to control usage of particular applications. This can help provide a somewhat limited form of bandwidth control for particular applications.

Cost Saving and Mobile Applications. By supporting multiple SSIDs, the DWL-3260AP allows you to logically divide your access point into several virtual access points all within a single hardware platform. Rather than having two separate WLANs, you can deploy one access point to support more than one application, such as public Internet access and internal network control to increase flexibility and keep costs down.

Advanced Network Management. Network administrators can manage all the DWL-3260AP's settings via its web-based configuration utility or with Telnet. For advanced network management, the administrators can use D-Link's AP Manager II or D-View SNMP management module to configure and manage multiple access points from a single location. In addition to a streamlined management process, network administrators can also verify and conduct regular maintenance checks without wasting resources by sending personnel out to physically verify proper operation.

## **Features and Benefits**

- For Business-Class Environments The DWL-3260AP is designed to be in smoke detector shape, with is ideal for mounting on ceilings or other indoor deployments. It also comes with an optional RP-SMA external directional antenna for communicating with another DWL-3260AP.
- 3 Different Operation modes Capable of operating in one of three different operation modes to meet your wireless networking requirements: Access Point; WDS with AP, or WDS.
- **Easy Installation with PoE (Power over Ethernet).**
- Faster wireless networking with the 802.11g standard to provide a maximum wireless signal rate of up to 54Mbps\* (maximum wireless signal rate of up to 108Mbps\* in Super G mode).
- Compatible with the 802.11b standard to provide a wireless data rate of up to 11Mbps - that means you can migrate your system to the 802.11g standard on your own schedule without sacrificing connectivity.
- Better security with WPA The DWL-3260AP can securely connect wireless clients on the network using WPA (Wi-Fi Protected Access) providing a much higher level of security for your data and communications than was previously available.
- AP Manager II management software the real-time display of the network's topology and AP's information makes network configuration and management quick and simple.
- SNMP for Management The DWL-3260AP is not only fast but it also supports SNMP v.3 for better network management. Superior wireless AP manager software is bundled with the DWL-3260AP for network configuration and firmware upgrade. Systems administrators can also setup the DWL-3260AP easily with the Web-based configuration. A D-Link D-View module will be downloadable for network administration and real-time network traffic monitoring with D-Link D-View software.
- Utilizes OFDM technology (Orthogonal Frequency Division Multiplexing).
- Operates in the 2.4GHz frequency range.
- Web-based interface for managing and configuring.

<sup>\*&</sup>quot;Maximum wireless signal rate derived from IEEE Standard 802.11a and 802.11g specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead lower actual data throughout rate."

## **Wireless Basics**

D-Link wireless products are based on industry standards to provide easy-to-use and compatible high-speed wireless connectivity within your home, business or public access wireless networks. D-Link wireless products will allow you access to the data you want, when and where you want it. You will be able to enjoy the freedom that wireless networking brings.

A Wireless Local Area Network (WLAN) is a computer network that transmits and receives data with radio signals instead of wires. WLANs are used increasingly in both home and office environments, and public areas such as airports, coffee shops and universities. Innovative ways to utilize WLAN technology are helping people to work and communicate more efficiently. Increased mobility and the absence of cabling and other fixed infrastructure have proven to be beneficial for many users.

Wireless users can use the same applications they use on a wired network. Wireless adapter cards used on laptop and desktop systems support the same protocols as Ethernet adapter cards.

People use WLAN technology for many different purposes:

**Mobility** - Productivity increases when people have access to data in any location within the operating range of the WLAN. Management decisions based on real-time information can significantly improve worker efficiency.

Low Implementation Costs - WLANs are easy to set up, manage, change and relocate. Networks that frequently change can benefit from WLANs ease of implementation. WLANs can operate in locations where installation of wiring may be impractical.

**Installation and Network Expansion** - Installing a WLAN system can be fast and easy and can eliminate the need to pull cable through walls and ceilings. Wireless technology allows the network to go where wires cannot go - even outside the home or office.

**Inexpensive Solution** - Wireless network devices are as competitively priced as conventional Ethernet network devices. The DWL-3260AP saves money by providing multi-functionality that is configurable in one of four different modes.

**Scalability** - WLANs can be configured in a variety of ways to meet the needs of specific applications and installations. Configurations are easily changed and range from Peer-to-Peer networks suitable for a small number of users to larger Infrastructure networks to accommodate hundreds or thousands of users, depending on the number of wireless devices deployed.

#### **Standards-Based Technology**

The DWL-3260AP Managed Wireless Access Point utilizes the **802.11b** and the **802.11g** standards.

The IEEE **802.11g** standard is an extension of the **802.11b** standard. It increases the maximum wireless signal rate by up to 54Mbps\* (maximum wireless signal rate of up to 108Mbps\* in Super G mode) within the 2.4GHz band, utilizing **OFDM technology**.

This means that in most environments, within the specified range of this device, you will be able to transfer large files quickly or even watch a movie in MPEG format over your network without noticeable delays. This technology works by transmitting high-speed digital data over a radio wave utilizing **OFDM** (**O**rthogonal **F**requency **D**ivision **M**ultiplexing) technology. **OFDM** works by splitting the radio signal into multiple smaller sub-signals that are then transmitted simultaneously at different frequencies to the receiver. **OFDM** reduces the amount of **crosstalk** (interference) in signal transmissions.

The D-Link DWL-3260AP will automatically sense the best possible connection speed to ensure the greatest speed and range possible.

802.11g offers the most advanced network security features available today, including WPA and WPA2.

\*"Maximum wireless signal rate derived from IEEE Standard 802.11g specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead lower actual data throughout rate."

The D-Link *Air*Premier DWL-3260AP lets you access your network, using a wireless connection, from virtually anywhere within its operating range. 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 DWL-3260AP and other network devices to a minimum - each wall or ceiling can reduce your DWL-3260AP'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 can impede the wireless signal a solid metal door or aluminum studs may have a negative effect on range. Try to position wireless devices and computers with wireless adapters so that the signal passes through drywall or open doorways and not other materials.
- 4 Keep your product away (at least 3-6 feet or 1-2 meters) from electrical devices or appliances that generate RF noise.

# **Three Operational Modes**

<b>Operation Mode</b> (Only supports 1 mode at a time)	Function
Access Point (AP)	Create a Wireless LAN
WDS with AP	Wirelessly Connect Multi Networks While still Functioning as a Wireless AP
WDS	Wirelessly Connect Multi Networks

# **Getting Started**



- 1 You will need broadband Internet access.
- 2 Consult with your Cable or DSL provider for proper installation of the modem.
- 3 Connect the Cable or DSL modem to a Router. (See the printed Quick Installation Guide included with your router.)
- 4 Connect the Ethernet Broadband Router to the PoE base unit. (See the printed Quick Installation Guide included with the DWL-3260AP.)
- 5 Connect the DWL-3260AP to the PoE base unit. (See the printed Quick Installation Guide included with the DWL-3260AP.)
- If you are connecting a desktop computer to your network, install the D-Link WDA-2320 wireless PCI adapter into an available PCI slot on your desktop computer.
   (See the printed Quick Installation Guide included with the network adapter.)
- 7 Install the drivers for the D-Link WNA-2330 wireless Cardbus adapter into a laptop computer.
   (See the printed Quick Installation Guide included with the WNA-2330.)

#### Connecting PoE (Power over Ethernet)



- Step 1 Connect one end of an Ethernet cable (included with your package) to the LAN port on the DWL-3260AP and the other end of the Ethernet cable to the port labeled P+DATA OUT on the PoE base unit.
- **Step 2** Connect another Ethernet cable from the **DATA IN** port on the PoE base unit to your router/switch, using a straight through cable, or to a PC, using a crossover cable.
- **Step 3** 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.

# **Using the Configuration Menu**

To configure the DWL-3260AP, use a computer which is connected to the DWL-3260AP with an Ethernet cable (see the *Network Layout* diagram).

First, disable the *Access the Internet using a proxy server* function. To disable this function, go to **Control Panel > Internet Options > Connections > LAN Settings** and uncheck the enable box.

Start your web browser program (Internet Explorer, Netscape Navigator<sup>™</sup>).

Type the IP address and http port of the DWL-3260AP in the address field (http://192.168.0.50) and press **Enter**. Make sure that the IP addresses of the DWL-3260AP and your computer are in the same subnet.

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File	Edit	View	Favorites	Tools	Help		
G	Back	• 🖸	) - 💌	2		Search	*
Addre	ss 🙆	http://)	192.168.0.5	i0/			

After the connection is established, you will see the user identification window as shown.

Note: If you have changed the default IP address assigned to the DWL-3260AP, make sure to enter the correct IP address.

- Type admin in the User Name field
- Leave the **Password** field blank
- Click OK

Connect to 192.1	68.0.50
DWL-3260AP	
User name:	🖸 I 👻
Password:	
	Remember my password
	OK Cancel

Note: If you have changed the password, make sure to enter the correct password.

After successfully logging into the DWL-3260AP the following screen appears:



When making changes on most of the configuration screens in this section, use the Apply button at the bottom of each screen to save your configuration changes.



Click to apply configuration changes.

## Home > Basic Settings > Wireless

D-Link		802.11G Managed Access Point
🛊 Home 🤺 Tool 🔻	📙 Configuration 👻 🏐 System	💋 Logout 🛛 😰 Help
DWL-3260AP Basic Settings Wireless LAN Advanced Settings Status	Wireless Settings         Wireless Band         Mode         Wireless Network Name (SSID)         SSID Broadcast         Channel         Authentication         Key Settings         Encryption         New Type         Valid Key         First Image         Second Key         Third Key         Fourth Key	IEEE802.11g Access Point Access

Wireless Band:	IEEE 802.11g
Mode:	Access Point is selected from the pull-down menu.
SSID:	Service Set Identifier (SSID) is the name designated for a specific wireless local area network (WLAN). The SSID's factory default setting is <b>dlink</b> . The SSID can be easily changed to connect to an existing wireless network or to establish a new wireless network. The SSID can be up to 32 characters and is case-sensitive.
SSID Broadcast:	Enable or Disable SSID broadcast. Enabling this feature broadcasts the SSID across the network.
Channel:	<b>Auto Channel Scan</b> is set by default. All devices on the network must share the same channel. To change the channel, uncheck Auto Channel Scan. (Note: The wireless adapters will automatically scan and match the wireless setting.)

#### Home > Basic Settings > Wireless (continued)

<b>Auto Channel</b>	Select Enable or Disable. (Enable this feature to auto-select the
Scan:	channel for best wireless performance.)

Authentication:Open SystemShared KeyOpen System/Shared KeyWPA-EnterpriseWPA-PersonalWPA2-EnterpriseWPA2-PersonalWPA2-PersonalWPA2-PersonalWPA-Auto-EnterpriseWPA-Auto-Enterprise

Select **Open System** to communicate the key across the network.

Select **Shared Key** to limit communication to only those devices that share the same WEP settings.

Select **Open System/Shared Key** to allow either form of data encryption.

Select **WPA-Enterprise**, **WPA2-Enterprise**, **WPA-Auto-Enterprise** to secure your network with the inclusion of a RADIUS server.

Select **WPA-Personal**, **WPA2-Personal**, **WPA-Auto-Personal** to secure your network using a password and dynamic key changes. (No RADIUS server required).

Encryption: Select Disabled or Enabled. (Disabled is selected here).

Key Type\*: Select HEX or ASCII.

Key Size: Select 64-, 128-, 152-bits.

Valid Key: Select the 1st through the 4th key to be the active key.

First throughInput up to four keys for encryption. You will select one of theseFourth keys:keys in the valid key field.

\*Hexadecimal digits consist of the numbers 0-9 and the letters A-F

\***ASCII** (American Standard Code for Information Interchange) is a code for representing English letters as numbers from 0-127

# Home > Basic Settings > Wireless > WPA-Enterprise, WPA2-Enterprise, & WPA-Auto-Enterprise

D-Link	802.11g Managed Access Point	
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DWL-3260AP	Wireless Settings	
Hasic Settings Wreiss Advanced Settings Status	Wireless Band IEEE802.11g Image: Constraint of the second of the s	
Cipher Type:	When you select <b>WPA-Enterprise</b> , you must select <b>AUTO</b> , <b>AES</b> , or <b>TKIP</b> from the pull down menu.	
roup Key Update Interval:	Select the interval during which the group key will be valid. 1800 is the recommended value. A lower interval may reduce data transfer rate.	
<b>RADIUS Server:</b>	Enter the IP address of the RADIUS server.	
<b>RADIUS Port:</b>	Enter the RADIUS port.	
<b>RADIUS Secret:</b>	Enter the RADIUS secret.	
ccounting Mode:	Select if you want to use a different server for accounting.	
counting Server:	Enter the IP address of the Accounting server.	
Accounting Port:	Enter the Accounting port (1813 is default).	

Note: you can input the secondary RADIUS server and accounting server settings if you have the backup RA DIUS and accounting server.

# Home > Basic Settings > Wireless > WPA-Personal, WPA2-Personal, & WPA-Auto-Personal

	D-Link	802.11G Managed Access Point
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DML-3220AP         Wireless         Basic Settings         Wireless         Basic Settings         Wireless         Basic Settings         Wireless Band         IEEE802.119         Mode         Access Point         Wireless Network Name (SSID)         Ulink         SSID Broadcast         Enable         Channel         1         PassPhrase Settings         Cipher Type         AUTO         Group Key Update Interval         1800         Sec         PassPhrase	DWL-3260AP Basic Settings Wireless LAN Advanced Settings The Status	Wireless Settings         Wireless Band       IEEE802.11g Y         Mode       Access Point Y         Wireless Network Name (SSID)       dlink         SSID Broadcast       Enable Y         Channel       1 2.412 GHz Y Auto Channel Scan         Authentication       WPA-Personal         PassPhrase Settings       Group Key Update Interval         Cipher Type       AUTO Y         Group Key Update Interval       1800 Sec         PassPhrase       Apply

Cipher Type:	When you select <b>WPA-Personal</b> , please select <b>AUTO</b> , <b>AES</b> , or <b>TKIP</b> from the pull down menu.
Group Key Update Interval:	Select the interval during which the group key will be valid. The default value of 1800 is recommended.
PassPhrase:	When you select <b>WPA-Personal</b> , please enter a <b>PassPhrase</b> in the corresponding field.

#### Home > Basic Settings > Wireless > WDS with AP mode

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DVVL-3260AP	Wireless Settings		
Basic Settings Wreless LAN Advanced Settings Status	Wireless Band       IEEE802.11g         Mode       WDS with AP         Wireless Network Name (SSID)       dlink         SSID Broadcast       Enable         Channel       1         WDS with AP         Remote AP MAC Address         1.       2.         3.         6.       7.         Site Survey         Type       CH         Site Survey         Authentication         WPA-Personal         PassPhrase Settings         Cipher Type       AUTO         Group Key Update Interval       1800	el Scan 4. 8. SSID	Scan
	PassPhrase	C	Apply

In WDS with AP mode, the DWL-3260AP wirelessly connects multiple networks, while still functioning as a wireless AP.

Wireless Band:	IEEE 802.11g
Mode:	WDS with AP mode is selected from the pull-down menu.
SSID:	Service Set Identifier (SSID) is the name designated for a specific wireless local area network (WLAN). The SSID's factory default setting is <b>dlink</b> . The SSID can be easily changed to connect to an existing wireless network or to establish a new wireless network.
SSID Broadcast:	Enable or Disable SSID broadcast. Enabling this feature broadcasts the SSID across the network.

#### Home > Basic Settings > Wireless > WDS with AP (continued)

Channel:	<b>6</b> is the default channel. All devices on the network must share the same channel. (Note: The wireless adapters will automatically scan and match the wireless setting.)
Auto Channel Scan:	Click on the <b>Scan</b> button to search for available wireless networks. Click on the network you want to connect to.
Remote AP MAC Address:	Select Enable or Disable. (Enable this feature to auto-select the channel for best wireless performance.)
WDS Site Survey:	Enter the MAC addresses of the APs in your network that will serve as bridges to wirelessly connect multiple networks.
Authentication:	Open System Shared Key Open System/Shared Key WPA-Personal WPA2-Personal WPA-Auto-Personal
	Select <b>Open System</b> to communicate the key across the network. Select <b>Shared Key</b> to limit communication to only those devices that share the same WEP settings. Select <b>Open System/Shared Key</b> to allow either form of data encryption. Select <b>WPA-Personal</b> , <b>WPA2-Personal</b> , or <b>WPA-Auto-Personal</b> to secure your network using a password and dynamic key changes. (No RADIUS Server required).

#### Home > Basic Settings > Wireless > WDS mode

🛊 Home 🤺 Tool 🔻	🚽 Configuration 👻 🏐 System	💋 Logout	🕐 Help
Mome     Tool       DWL-3260AP       ■ Basic Settings       ■ Wireless       ■ Advanced Settings       ■ Status	Configuration       System         Wireless Settings         Wireless Band       IEEE802.11g Image: Colspan="2">IEEE802.11g Image: Colspan="2">Image: Colspan="2">IEEE802.11g Image: Colspan="2">Image: Colspan="2" Image: Colspa="2" Image: Colspan="2" Image: Colspa="2" Image: Colspa	el Scan 4 8	Help
	Type     CH     Signal     BSSID     Security     Security     Security       Authentication     WPA-Personal     Image: Security     Image: Security     Sec	SSID Sec	Apply

In WDS mode, the DWL-3260AP wirelessly connects multiple networks, without functioning as a wireless AP.

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Wireless Band:	IEEE 802.11g
Mode:	WDS is selected from the pull-down menu.
SSID:	Service Set Identifier (SSID) is the name designated for a specific wireless local area network (WLAN). The SSID's factory default setting is default. The SSID can be easily changed to connect to an existing wireless network or to establish a new wireless network.
SSID Broadcast:	Enable or Disable SSID broadcast. Enabling this feature broadcasts the SSID across the network.

Channel:	<b>6</b> is the default channel. All devices on the network must share the same channel.
Auto Channel Scan:	Select Enable or Disable. (Enable this feature to auto-select the channel for best wireless performance.)
Remote AP MAC Address:	Enter the MAC addresses of the APs in your network that will serve as bridges to wirelessly connect multiple networks.
WDS Site Survey:	Click on the <b>Scan</b> button to search for available wireless networks. Click on the network you want to connect to.
Authentication:	Open System Shared Key Open System/Shared Key WPA-Personal WPA2-Personal WPA-Auto-Personal
	Select <b>Open System</b> to communicate the key across the network. Select <b>Shared Key</b> to limit communication to only those devices that share the same WEP settings. Select <b>Open System/Shared Key</b> to allow either form of data encryption. Select <b>WPA-Personal, WPA2-Personal</b> , or <b>WPA-Auto-Personal</b> to secure your network using a password and dynamic key changes. (No RADIUS Server required).

#### Home > Wireless Modes

AP Mode	Authentication Available
Access Point	Open System Shared Key Open System/Shared Key WPA-Enterprise WPA-Personal WPA2-Enterprise WPA2-Personal WPA-Auto-Enterprise WPA-Auto-Personal
WDS with AP	Open System Shared Key Open System/Shared Key WPA-Personal WPA2-Personal WPA-Auto-Personal
WDS	Open System Shared Key Open System/Shared Key WPA-Personal WPA2-Personal WPA-Auto-Personal

#### Home > Basic Settings > LAN

D-Link		802.11G Managed Access Point
🏠 Home 🏾 🏌 Tool 👻	📕 Configuration 🔻 👙 System	🔁 Logout 👔 Help
DVWL-3260AP Basic Settings VWreless LAN Advanced Settings Status	LAN Settings Get IP From IP address Subnet Mask Default Gateway	Static (Manual)         192.168.0.50         255.255.255.0         0.0.0    Apply

LAN is short for Local Area Network. This is considered your internal network. These are the IP settings of the LAN interface for the DWL-3260AP. These settings may be referred to as private settings. You may change the LAN IP address if needed. The LAN IP address is private to your internal network and cannot be seen on the Internet.

Get IP From:	Static (Manual) is chosen here. Choose this option if you do not have a DHCP server in your network, or if you wish to assign a static IP address to the DWL-3260AP. When DHCP is selected the other fields here will be greyed out.
IP Address:	The default IP address is 192.168.0.50. Assign a static IP address that is within the IP address range of your network.
Subnet Mask:	Enter the subnet mask. All devices in the network must share the same subnet mask.
Default Gateway:	Enter the IP address of the gateway in your network. If there isn't a gateway in your network, please enter an IP address within the range of your network.

#### Home > Advanced Settings > Performance

D-Link			802.11g	y Managed	Access Point
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DWL-3260AP	Advanced Wireless Se	ttings			
Basic Settings     Basic Settings     Performance     Grouping     Muth-SSD     Rogue AP     DHCP Server     Filters     Status	Wireless Band Frequency Channel Data Rate Beacon Interval (20 - 1000) DTIM (1 - 255) Fragment Length (256 - 2346) RTS Length (256 - 2346) Transmit Power Super Mode Wireless WMM		IEEE802.11g ▼         2.472 GHz         13 ▼         Auto ▼         100         1         2346         2346         Full ▼         Disable ▼         On ▼         Enable ▼		
	Wireless B/G Mode		Mixed V		
	IGMP Snooping		Disable V		
	Advanced Data Rate Settings in 8	02.11b/g			
	Enable Data Rate Control	💿 Di	isable	0 е	nable
	Data Rate (Mb/sec)	1Mb/sec	Basic 💌	2Mb/sec	Basic 💌
		5.5Mb/sec	Basic 💌	11Mb/sec	Basic 🔽
		6Mb/sec	Enable 🔽	9Mb/sec	Enable 🔽
		12Mb/sec	Enable 💙	18Mb/sec	Enable 🗸
		24Mb/sec	Enable 💌	36Mb/sec	Enable 🗸
		48Mb/sec	Enable 💌	54Mb/sec	Enable 🗸
			Reset Data Rate	e Settings	
					Apply

Wireless Band: IEEE 802.11g.

**Frequency:** The frequency reflects the choice of the wireless channel. When IEEE 802.11g is chosen the frequency is 2.437GHz for channel 6.

**Channel:** The default channel for IEEE 802.11g is 6.

- Data Rate\*: The Data Rates are Auto, 6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbps, 48Mbps, 54Mbps.
- **Beacon Interval:** Beacons are packets sent by an access point to synchronize a network. Specify a beacon interval value. The default (100) is recommended.
  - **DTIM:** (*Delivery Traffic Indication Message*) Select a setting between 1 and 255. **1** is the default setting. DTIM is a countdown informing clients of the next window for listening to broadcast and multicast messages.

<sup>\*&</sup>quot;Maximum wireless signal rate based on IEEE Standard 802.11a and 802.11g specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead lower actual data throughout rate."

Fragment Length:	The fragmentation threshold, which is specified in bytes, determines whether packets will be fragmented. Packets exceeding the 2346 byte setting will be fragmented before transmission. 2346 is the default setting			
RTS Length:	This valu encounte value ran	e should remain at its default setting of 2346. If you r inconsistent data flow, only minor modifications to the ge between 256 and 2346 are recommended		
Transmit Power:	Choose f power.	ull, half (-3dB), quarter (-6dB), eighth (-9dB), minimum		
Super G Mode:	Super G is a group of performance enhancement features that increase end user application throughput in an 802.11g network. Super G is backwards compatible to standard 802.11g devices. For top performance, all wireless devices on the network should be Super G capable. Select either <b>Disabled</b> , <b>Super G without Turbo</b> , <b>or Super G with Dynamic Turbo</b> .			
	Disabled:	Standard 802.11g support, no enhanced capabilities.		
	Super G without Turbo:	Super G withoutCapable of Packet Bursting, FastFrames, Compression, and no Turbo mode.		
	Super G with Dynamic Turbo:	Capable of Packet Bursting, FastFrames, Compression, and Dynamic Turbo. This setting is backwards compatible with non-Turbo (legacy) devices. Dynamic Turbo mode is only enabled when all devices on the wireless network are configured with Super G with Dynamic Turbo enabled.		
Wireless:	Select <b>On</b> or <b>Off</b> .			
WMM:	Select <b>Enable</b> or <b>Disable</b> , <b>Disable</b> is selected by default. WMM stands for Wi-Fi Multimedia, by enabling this feature it will improve the user experience for audio and video applications over a Wi-Fi network.			
Preamble:	Select the default value Short and Long, or Long Only.			
Wireless B/G Mode:	This function allows you to configure the wireless network with IEEE 802.11g only, IEEE 802.11b only, or IEEE 802.11g with backward interoperability with IEEE 802.11b.			
IGMP Snooping:	Internet Group Management Protocol (IGMP) snooping allows the AP to recognize IGMP queries and reports sent between routers and an IGMP host (wireless STA). When enabled IGMP snooping, the AP will forward multicast packets to IGMP host based on IGMP messages passing through the AP.			
Enable data rate control:	Specify the data rates at which the DWL-3260AP should transmit signals. Choose from 6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbps, 48Mbps, 54Mbps.			

#### Home > Advanced Settings > Grouping

D-Link		802.11g	Managed Ac	cess Point
🔄 🏠 Home 🛛 🐒 Tool 👻	🚽 Configuration 👻 👙 System		💋 Logout	🕐 Help
DWL-3260AP	AP Grouping Settings			
····· → Wireless LAN → Advanced Settings -···· → Performance	Load Balance User Limit (0 - 64)	Disable 💌		
Grouping Multi-SSD Rogue AP DHCP Server Filters	Link integrity	Disable 💌	C	Apply

Load Balance:Load Balancing allows you to balance and share the wireless<br/>network traffic and clients using multiple DWL-3260APs. Select<br/>Enable or Disable.User Limit:Sets the maximum amount of users allowed (0-64).Link Integrity:If the Ethernet connection between the LAN and the DWL-3260AP<br/>is disconnected, the Link Integrate option will cause the wireless<br/>segment associated with the AP to be disconnected from the AP.<br/>Select Enable or Disable.

#### Home > Advanced Settings > Multi-SSID

D-Link	802.11g M	Managed Ac	cess Point
DWL-3260AP	Multi-SSID Settings		
Basic Settings Advanced Settings Advanced Settings Grouping Brownic Solo Rogue AP DHCP Server DHCP Server Static Pool Setting Current IP Mapping L D- Filters Status	✓ Enable Multi-SSID       ✓ Enable VLAN State       ✓ Enable Priority         Wireless Settings       Band       IEEE802.11g ♥         Index       Primary SSID ♥         Wireless Network Name (SSID)       dlink         SSID Broadcast       Enable ♥         Security       None         VLAN Tag Mode       Manual ♥         VLAN ID       1         Priority       0 ♥         WMM       Enable ♥         Key Settings       64 Bits ♥         Key       1 ♥ ●●●●●●●●●●●●●●●●●●●●●●●●●●●●●●●●●●●		Apply
<	Index SSID Band Encryption Primary dlink 11g OFF	VLAN ID OFF	Delete

If you want to configure the Guest and Internal networks on Virtual LAN (VLAN), the switch and DHCP server you are using must also support VLANs. As a prerequisite step, configure a port on the switch for handling VLAN tagged packets as described in the IEEE802.1Q standard.

Enable Multi-SSID:	Check to use Multi-SSID.
Enable VLAN Status:	Check to use a VLAN.
Enable Priority:	You can enable this function to set a priority to each SSID. Working with 802.1p and 802.1q, improve the user experience for audio, video and voice applications.
Band:	IEEE802.11g is selected.
Index:	You can select up to 7 multi-SSIDs. The default multi-SSIDs is the primary, which puts the total to 8 multi-SSIDs.
SSID:	Service Set Identifier (SSID) is the name designated for a specific wireless local area network (WLAN). The SSID's factory default setting is dlink. The SSID can be easily changed to connect to an existing wireless network or to establish a new wireless network.
Security:	The Multi-SSIDs security can be WPA/WPA2-Enterprise or WPA- Auto-Enterprise only when the Primary SSID's security is at the same security level. Also. They must also connect to the same RADIUS server.

VLAN Tag Mode:	Select Manual or Dynamic. You can input the VID manually, or configure as dynamic, station can get specific VLAN Tag from RADIUS server to work with VLAN supported switches or other devices when the Primary SSID's security is set to WPA-Enterprise, WPA2-Enterprise, WPA-Auto-Enterprise.
VLAN ID:	If you are enabling Guest access and configure Internal and Guest networks on the VLAN, this field will also be enabled.
	Provide a number between 1 and 4094 for the Internal VLAN.
	This will cause the access point to send DHCP requests with the VLAN tag. The switch and the DHCP server must support VLAN IEEE802.1Q frames. The access point must be able to reach the DHCP server.
	Check with the Administrator regarding the VLAN and DHCP configurations.
Ethernet WithoutTag:	You can enable this function to untag the packets from wireless to Ethernet if VLAN is enabled.
Priority:	Specific the 0-7 priority queue when priority is enabled
WMM:	Select enable or disable.
Кеу Туре:	Select HEX or ASCII.
Key Size:	Select 64-bit, 128-bit, or 152-bit.
Key:	Select from the 1st to 4th key to be set as the active key

When Primary SSID is set to any of the following security levels:	Multi-SSID can use any of these security levels:
None Open System (WEP) Shared Key (WEP) WPA-Personal WPA2-Personal	None Open System (WEP) Shared Key (WEP) WPA-Personal WPA2-Personal
WPA-Auto-Personal	WPA-Auto-Personal
WPA-Enterprise WPA2-Enterprise WPA-Auto-Enterprise 802.1x	None Open System (WEP) Shared Key (WEP) WPA-Personal WPA2-Personal WPA-Auto-Personal WPA-Enterprise WPA2-Enterprise WPA2-Enterprise

## Home > Advanced Settings > Rogue AP

D-Link	802.11G M	lanaged Acces	s Point
🕎 Home 🤺 Tool 🔻	🔚 Configuration 👻 👙 System	💋 Logout 🛛 👔	) Help
DWL-3260AP	Rogue AP Detection		
Basic Settings     Advanced Settings     Advance     Grouping     Multi-SSID     Basic Settings     DHCP Server     Filters     Status	BSS Type            • AP BSS ○ Ad Hoc ○ Both          Band          □ 11b □ 11g         Security         ♥ OFF ♥ WEP ♥ WPA-Enterprise ♥ WPA-Personal ♥ WPA2         ♥ WPA2-Personal ♥ WPA-Auto-Enterprise ♥ WPA-Auto-Personal         ♥ WPA2-Personal ♥ WPA-Auto-Enterprise ♥ WPA-Auto-Personal         Rogue AP List         □ 11b □ 11g         AP BSS 3       00:11:95:d8:de:a5         Personal       802.11b         Home_11g         AP BSS 9       00:13:46:90:54:ab         OFF       802.11g         D-Link         AP BSS 9       00:13:46:90:55:37         OFF       802.11g       D-Link         AP BSS 9       00:13:46:90:55:37       OFF         AP BSS 9       00:13:46:90:55:74       OFF	-Enterprise	
	AP List Type CH BSSID Security MODE SSID	Del	dy

BSS Type:	The Basic Service Set Type allows you to select from <b>AP BSS, Ad Hoc</b> , or <b>Both</b> .
Band:	Select the type of network (bands 11b and 11g) that you would like the AP detection to search on.

- Security: Select the Security type OFF, WEP, WPA-Enterprise, WPA-Personal, WPA2-Enterprise, WPA2-Personal, WPA-Auto-Enterprise, and WPA-Auto-Personal that you would like to consider during AP detection.
- **Rogue AP List:** This window shows all of the neighbor APs detected, which is based on your criteria from above (BSS Type, Band, and Security). If the AP is in the same network, or if you know the AP, just click on "**Add**" to save it to the AP list.
  - **AP List:** This window shows all of the APs that are allowed access on the network.

## Home > Advanced Settings > DHCP Server > Dynamic Pool Settings

D-Link		802.11G Managed Access Point
👍 Home 🤺 Tool 👻	🚽 Configuration 👻 🛬 System	🙋 Logout 🛛 🕐 Help
Mome       ✓ Tool         DWL-3260AP         ■ Basic Settings         ■ Advanced Settings         ■ Advanced Settings         ■ Grouping         ■ Mutti-SSID         ■ Rogue AP         ■ DHCP Server         ■ Dynamic Pool Setting         ■ Filters         ■ Status	Configuration       ✓ System         DHCP Dynamic Pools         DHCP Server Control         Function Enable/Disable         Dynamic Pool Settings         IP Assigned From         The Range of Pool (1-255)         SubMask         Gateway         Wins         DNS         Domain Name         Lease Time (60 - 31536000 sec)         Status	▶ Logout       ♥ Help         ▶ Disable       ●         0.0.0.0       ●         0.0.0.0       ●         0.0.0.0       ●         0.0.0.0       ●         0.0.0.0       ●         0.0.0.0       ●         0.0.0.0       ●         0       ●         ○       ●         ○       ●         ○       ●         ○       ●         ○       ●         ○       ●         ●       ●         ●       ●         ●       ●         ●       ●         ●       ●         ●       ●         ●       ●         ●       ●         ●       ●         ●       ●         ●       ●         ●       ●         ●       ●         ●       ●         ●       ●         ●       ●         ●       ●         ●       ●         ●       ●         ●       ●         ●       ●
· · ·		

DHCP Server Control:	<b>Dynamic Host Configuration Protocol</b> assigns dynamic IP addresses to devices on the network. This protocol simplifies network management and allows new wireless devices to receive IP addresses automatically without the need to manually assign new IP addresses. Select <b>Enable</b> to allow the DWL-3260AP to function as a DHCP server.
IP Assigned From:	Input the first IP address available for assignment in your network.
The Range of Pool (1-255):	Enter the number of IP addresses available for assignment.
SubMask:	All devices in the network must have the same subnet mask to communicate. Enter the submask for the network here.

- Gateway: Enter the IP address of the gateway on the network.
  - Wins: Windows Internet Naming Service is a system that determines the IP address of a network computer that has a dynamically assigned IP address.
  - **DNS:** Enter the IP address of the DNS server. The DNS (Domain Name Server) translates domain names such as www.dlink.com into IP addresses.
- **Domain Name:** Enter the domain name of the DWL-3260AP, if applicable. (An example of a domain name is: www.dlink.com.)

**Lease Time** The Lease Time is the period of time before the DHCP server will **(60-31536000 sec.):** assign new IP addresses.

Status: Turn the Dynamic Pool Settings ON or OFF here.

## Home > Advanced Settings > DHCP Server > Static Pool Settings

D-Link			802.11G Managed A	ccess Point
🛕 Home 🤺 Tool 👻	📙 Configuration 👻 👙	System	🛛 💋 Logout	🕐 Help
<ul> <li>Home</li> <li>Tool</li> <li>DWL-3260AP</li> <li>Basic Settings</li> <li>Advanced Settings</li> <li>Grouping</li> <li>Mutti-SSID</li> <li>Rogue AP</li> <li>DHCP Server</li> <li>Dynamic Pool Setting</li> <li>Static Pool Setting</li> <li>Filters</li> <li>Status</li> </ul>	Configuration Configuration Configuration Configuration Configuration Control Control Function Enable/Disable Configuration Enable/Disable Enable Enabl	System S  Disable  Disable  Disable  Disable  Disable  Aption  DFF  Aption  IP address	pplyState Edit	Delete

DHCP Server Control:	<b>Dynamic Host Configuration Protocol</b> assigns IP addresses to wireless devices on the network. This protocol simplifies network management and allows new wireless devices to receive IP addresses automatically without the need to manually assign IP addresses. Select <b>Enable</b> to allow the DWL-3260AP to function as a DHCP server.
Assigned IP:	Use the <b>Static Pool Settings</b> to assign the same IP address to a device at every restart. The IP addresses assigned in the Static Pool list must NOT be in the same IP range as the Dynamic Pool. After you have assigned a static IP address to a device via its MAC address, click <b>Apply</b> ; the device will appear in the <b>Assigned Static Pool</b> at the bottom of the screen. Edit or delete the device in this list.
Assigned MAC Address:	Enter the MAC address of the device here.
SubMask:	Enter the subnet mask here.

dateway.   Line in address of the galeway of the hetwo
--------------------------------------------------------

- Wins: Windows Internet Naming Service is a system that determines the IP address of a network computer with a dynamically assigned IP address, if applicable.
- **DNS:** Enter the IP address of the Domain Name Server, if applicable. The DNS translates domain names such as www.dlink.com into IP addresses.
- **Domain Name:** Enter the domain name of the DWL-3260AP, if applicable.
  - **Status:** This option turns the Static Pool settings ON or OFF.

#### Home > Advanced Settings > DHCP Server > Current IP Mapping List

D-Link		802.11G N	lanaged Ac	cess Point
🔶 Home 🤺 Tool 🔻	🔚 Configuration 👻 🏐 System		💋 Logout	🕐 Help
DWL-3260AP Basic Settings Advanced Settings Grouping Mutti-SSID Rogue AP DHCP Server DHCP Server Filters Filters Static Pool Setting Filters	Current IP List Current DHCP Dynamic Pools Binding MAC Address Current DHCP Static Pools Binding MAC Address	Assigned IP address Assigned IP address	Lease ti	ime

This screen displays information about the current DHCP dynamic and static IP address pools. This information is available when you enable the DHCP function of the DWL-3260AP and assign dynamic and static IP address pools.

Current DHCP Dynamic Pools:	These are IP address pools to which the DHCP server function has assigned dynamic IP addresses.
Binding MAC address:	The MAC address of a device on the network that is within the DHCP dynamic IP address pool.
Assigned IP address:	The current corresponding DHCP-assigned dynamic IP address of the device.
Lease Time:	The length of time that the dynamic IP address will be valid.
Current DHCP Static Pools:	These are IP address pools to which the DHCP server function has assigned static IP addresses.

<b>Binding MAC</b>	The MAC address of a device on the network that is within the DHCP
address:	static IP address pool.

Assigned IP The current corresponding DHCP-assigned static IP address of the device.

## Home > Advanced Settings > Filters > Wireless MAC ACL

D-Link		802.11G Managed Access Point
🏠 Home 🤺 Tool 👻	🔚 Configuration 👻 🤤 System	<u> 2</u> Logout 🛛 😰 Help
DWL-3260AP Basic Settings Advanced Settings Grouping Muti-SSID Rogue AP DHCP Server Filters Wireless MAC ACL WLAN Partition Status	Wireless Band       IEEE802.11g         Access Control       Disable         MAC Address       Image: Control state of the state	Apply

Wireless Band:	IEEE 802.11g
Access Control:	Select <b>Disabled</b> to disable the filters function. Select <b>Accept</b> to accept only those devices with MAC addresses in the Access Control List. Select <b>Reject</b> to reject the devices with MAC addresses in the Access Control List.
MAC Address:	Enter the MAC addresses that you wish to include in your filters list, and click <b>Save</b> .
MAC Address List:	When you enter a MAC address, it appears in this list. Highlight a MAC address and click <b>Delete</b> to remove it from the list.

## Home > Advanced Settings > Filters > WLAN Partition

D-Link		802.11G N	lanaged Ad	cess Point:
🛕 Home 🤺 Tool 👻	🚽 Configuration 🔻 👙 System		💋 Logout	🕐 Help
DWL-3260AP     Basic Settings     Advanced Settings     Performance     Grouping     Mutti-SSID     Rogue AP     DHCP Server     Dynamic Pool Setting     Current IP Mapping L     Filters     Wireless MAC ACL     WLAN Partition     Status	Wireless Band Internal Station Connection Ethernet to WLAN Access	IEEE802.11g ♥ Enable Enable		Apply

Wireless Band:	IEEE 802.11g
Internal Station Connection:	Enabling this feature allows wireless clients to communicate with each other. If this is disabled, wireless stations of the selected band are not allowed to exchange data through the access point.
Ethernet to WLAN Access:	Enabling this feature allows Ethernet devices to communicate with wireless clients. If this is disabled, all data from the Ethernet to associated wireless devices is blocked. Wireless devices can still send data to the Ethernet.

#### Home > Status > Device Information

			802.11g Managed Ac	cess Point
🛊 Home 🤺 Tool 🔻	🚽 Configuration 👻 💝	System	💋 Logout	🕐 Help
DWL-3260AP	Device Informatio	n		
	Ethernet MAC Address: 00 WLAN1 MAC Address : Pi Si	Firmware Version: 0:03:7f:be:f0:5e rimary : 00:03:7f:be:f0:5e econdary: 00:03:7f:be:f0:5f ~	v <b>1.10</b> 00:03:7f:be:f0:65	
Vireless LAN Advanced Settings Performance Grouping Multi-SSID Rogue AP DHCP Server Current IP Mapping L Current IP Mapping L Wireless MAC ACL WLAN Partition Client Information Client Information Client Information Client Information Log	Ethernet Get IP From IP Address Subnet Mask Gateway Wireless (802.11g) SSID Channel Super Mode Data Rate Security Level AP Status CPU Utilization Memory Utilization	Manual 192.168, 255.255, 0.0.0.0 dlink 13 Disableo Auto Open Sy 5% 26%	0.50 255.0 1 stem / Encryption Disabled	

**Device Information:** This window displays the configuration settings of the DWL-3260AP, including the firmware version and device MAC address.

#### Home > Status > Client Information

D-Link				802.11g	Manage	ed Access P	oint
🛕 Home 🤺 Tool 👻		🔹 👙 System			💋 Lo	gout 🛛 🕡 Hel	lp
Home Tool   DWL-3280AP  Basic Settings  Kireless  Advanced Settings  Status  Client Information  Client Information  Client Stats  Log	Configuration	System      MAC     00:19:d2:8f:ce:33	vith 11B/G Band G	5 : 1 Authentication Open System	Signal 82%	gout (2) Hel Power Saving Mode On	
							( drug a

**Client Information:** This window displays the wireless client information for clients currently connected to the DWL-3260AP.

The following information is available for each client communicating with the DWL-3260AP.

÷

MAC:	Displays the MAC address of the client.
Band:	Displays the wireless band the client is connected on.
Authentication:	Displays the type of authentication being used.
Signal:	Displays the strength of the clients signal.
Power Saving Mode:	Displays the status of the power saving feature.

#### Home > Status > Stats > Ethernet

D-Link		802.11g I	Managed Ac	cess Point
🏠 Home 🤺 Tool 👻	📕 Configuration 👻 👙 System		💋 Logout	🕐 Help
Wireless DWL-3260AP Basic Settings Wireless LAN Advanced Settings Status Client Information Client Information Wireless LAN Status Client Information Client Information C	Configuration System Ethernet Traffic Statistics Transmitted Count Transmitted Frame Count Transmitted Bytes Count Received Count Received Frame Count Received Bytes Count	3216 87857 2110 140434	Logout	Help      Refresh

Ethernet Traffic Statistics: This page displays statistics both the transmitted and received count for frames and bytes.

#### Home > Status > Stats > WLAN

D-Link		802.11g Managed A	ccess Point
🛕 Home 🤺 Tool 👻	📙 Configuration 👻 👙 System	💋 Logout	🕐 Help
DWL-3260AP	WLAN Traffic Statistics		
			Refresh
	Throughput		
Advanced Settings	Transmit Success Rate	77 %	
Grouping	Transmit Retry Rate	0 %	
	Receive Success Rate	0 %	
Rogue AP	Receive Duplicate Rate	0 %	
DHCP Server	RTS Success Count	0	
📄 Dynamic Pool Setting	RTS Failure Count	3703	
Static Pool Setting	Transmitted Bytes Count	9873	
Current IP Mapping L	Received Bytes Count	0	
	Transmitted Frame Count		
WI AN Dadition	Transmitted Frame Count	256	
Status	Multicast Transmitted Frame Count	81	
Device Information	Transmitted Error Count	79	
Client Information	Transmitted Total Retry Count	0	
🗄 🎯 Stats	Transmitted Multiple Retry Count	0	
Ethernet	Received Frame Count		
	Received Frame Count	0	
⊞~j Log	Multicast Received Frame Count	0	
	Received Frame FCS Error Count	3703	
	Received Frame Duplicate Count	0	
	ACK RCV failure Count	489	
	WEP Frame Error Count		
	WEP Excluded Frame Count	0	
	WEP ICV Error Count	0	

WLAN Traffic Statistics: This page displays 802.11g wireless network statistics for data throughput, transmitted and received frames, and WEP frame errors.

### Home > Status > Log > View Log

D-Link			802.11G Managed Ac	cess Point
🔶 Home 🤺 Tool 👻	📙 Configuration 👻 🏺	🍃 System	💋 Logout	🕐 Help
DWL-3260AP	View Log			
terio and the settings ∃ for the settings ■ fo	Time	Туре	Message	Clear Log
Client Information	THU DEC 21 10:27:32 2006	System	AP cold start with f/w version: v1.00	
View Log	THU DEC 21 10:27:32 2006	Wireless	WLAN1 Normal AP ready	
Eog Settings	THU DEC 21 10:27:43 2006	Wireless	Association:11G STA 00:0e:35:76:43:cb associated with WLAN1 SSID = 3260	
	THU DEC 21 10:28:02 2006	System	Web login success from 192.168.0.105	
	THU DEC 21 10:29:37 2006	System	Web login success from 192.168.0.105	
	THU DEC 21 10:33:32 2006	System	Web logout from 192.168.0.105	

**View Log:** The log displays system and network messages including a time stamp and message type.

### Home > Status > Log > Log Settings

D-Link		802.11G Managed Access Point
🔶 Home 🤺 Tool 👻	🔚 Configuration 👻 🏐 Syste	em 🖉 Logout 👔 Help
DVVL-3260AP	System Log Settings	
	Log Settings	
Device Information	Log Server / IP address	
	Log Type	System Activity
Log Settings		✓ Wireless Activity ✓ Notice
	SMTP Settings	
	SMTP	Enable
	SMTP Sender	
	SMTP Recipient	
		Apply
Log Setting	JS	

Log Server / IP Address:	Enter the IP address of the server you would like to send the DWL-3260APs log to.
Log Type:	Check the box for the type of activity you want to log. There are three types: <b>System, Wireless</b> and <b>Notice</b> .
SMTP Settings	
SMTP:	Check the box to enable SMTP.
SMTP Server / IP Address:	Enter the IP address of the SMTP server.
SMTP Sender:	Enter the e-mail address of the SMTP sender.
SMTP Recipient:	Enter the e-mail address of the SMTP recipient.

### **Tool > Administrator Settings**

D-Link		802.11	g Managed Access Point
👌 Home 🤺 Tool 👻	💂 Configuration 👻 🍹 Sy	stem	💋 Logout 🛛 🕐 Help
OWL-3260AP	Administrator Setting	<b>j</b> s	
Advanced Settings	Limit Administrator		
e p sans	Administrate AP with WLAN	Enable	
	Limit Administrator VID	Enable 1	
	Limit Administrator IP	Enable	
	IP Range	From: To:	bb
	ID From	To Delete	
	Login Settings		
	User Name	admin	
	Old Password		
	New Password		
	Confirm New Password		
	Console Settings		
	Status	Enable	
	Console Protocol	Teinet OSSH	
	Timeout	3 Mins 🖌	
	SNMP Settings		
	Status	Enable	
	Public Community String	public	
	Private Community String	private	
	Trap Status	Enable	
	Trap Server IP	0.0.00	
	Trap Type	System Trap	
		Anteress trap	
	LED Status		
	External LED indicators	Enable 🛩	
	Ping Control Setting		
	Status	Enable	
			Apply

Administrator AP with WLAN:	Check to enable the administrator can manage AP from WLAN.
Limit Administrator VLAN ID:	Check the box provided and enters the specific VLAN ID that the administrator will be allowed to log in from.
Limit Administrator IP:	Check to enable the Limit Administrator IP address.
IP Range:	Enter the IP address range that the administrator will be allowed to log in from and then click the Add button.
Login Settings	
User Name:	Enter a user name. The default is admin.
Old Password:	When changing your password, enter the old password here.
New Password:	When changing your password, enter the new password here.
Confirm New Password:	Confirm your new password here.

#### Tool > Administrator Settings (continued)

#### **Console Settings**

Status:	Status is Enabled by default.	Uncheck the box to disable the
	console.	

**Console Protocol:** Select the type of protocol you would like to use, Telnet or SSH.

#### **SNMP Settings**

Status:	Status is Enabled by default. Uncheck the box to disable the SNMP functions.
Public Community String:	Enter the public SNMP community string.

- Private Community Enter the private SNMP community string. String:
  - **Trap Status:** Check the box to enable the trap status.
  - Trap Server IP:Enter the trap server IP address. This is the IP address of the SNMP<br/>manager to receive traps sent from the wireless access point.
    - **Trap Type:** You can specify what kind of trap type (System, Wireless) should be sent to the trap server.

#### **External LED Indicators**

- **Default:** The LED is ON by default. Uncheck the box to disable the LED indicator.
- **Status:** When the LED is turned ON, there are two status: steady ON when link is ok, blinking when there is traffic.
- **Ping Control** Setting: Check the box to enable Ping control. Ping works by sending ICMP "echo request" packets to the target host and listening for ICMP echo response replies. By disabling the Ping control setting, the AP will not respond to the ICMP echo request packets. Default is set to enabled.

## Tool > Firmware and SSL Certification Upload

D-Link		802.11g Managed Access Point
🔹 Home 🔏 Tool 👻	📕 Configuration 👻 🏐 System	🛛 🖉 Logout 🛛 😰 Help
DWL-3260AP	Firmware and SSL Certification Upload	
⊞ Advanced Settings ⊡ Status	Update Firmware From Local Hard Drive Firmware Version: v1.10	
	Upload Firmware From File :	Browse
	Update SSL Certification From Local Hard Drive	
	Upload Certificate From File :	Browse Upload
	Upload Key From File :	Browse Upload
<b>Upload Firmware</b> After downloading the most recent version of firmware for DWL-3260AP from http://support.dlink.com to your local com use the <b>Browse</b> button to locate the firmware file on your com Click <b>Upload</b> to update the firmware version.		nt version of firmware for the ink.com to your local computer, firmware file on your computer. re version.
Upload Certifica	<b>SSL</b> Click <b>Browse</b> to locate the SSL tion: computer. After selecting and op upload the file to the DWL-3260AF	Certification file on your local ening the file, click <b>Upload</b> to 2.

## Tool > Configuration File Upload and Download

D-Link		802.11g Managed Access Point
🛕 Home 🛛 🔏 Tool 👻	📙 Configuration 👻 🏐 System	💋 Logout 👔 Help
DWL-3260AP Advanced Settings Status	Configuration File Upload and Down Upload Configuration File Upload File : Download Configuration File Load settings to Local Hard Drive Download	Browse Upload
	I.	

Upload File:	Click <b>Browse</b> to locate a previously saved configuration file on your local computer. After selecting the file, click <b>Upload</b> to apply the configuration settings to the DWL-3260AP.
Download Configuration File:	Click <b>Download</b> to save the current DWL-3260AP configuration to your local computer.

hoose file					2
Look in	: 📋 My Docume	ents	•	+ 🗈 💣 🎟+	
My Recent Documents Desktop	My Music My Pictures My Videos				
My Documents My Computer					
My Network	File name:	file.dcf			Open
Tiduca	Files of type:	All Files (**)			Canaal

#### Tools > Cfg File > Choose file

When you click **Browse** in the previous screen, the dialog box shown above appears.

Select the file you wish to download and click **Open**. Click **OK** to begin loading.



Click **Restart** for the settings to take effect. The dialog box above will appear as the device restarts. Please wait for a few seconds.

## Tools > Date and Time Settings

D-Link	802.11g	Managed Ac	cess Point
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DWL-3260AP Basic Settings Wireless LAN Advanced Settings Grouping Mutti-SSD Rogue AP DHCP Server DHCP Server Static Pool Setting Current IP Mapping L Current IP Mapping L Filters Wireless MAC ACL WLAN Partition Stats Client Information Client Information Ethernet WLAN Device Information Ethernet WLAN Device Information Client Information Client Information Client Information Device Information Client Information Device Information Client Information Client Information Device Information Device Information Device Information Client Information Client Information Client Information Device Information Client Information	Date and Time Settings         Date and Time Information         Local Time       Not Available         Date and Time Configuration <ul> <li>SNTP/NTP Settings</li> <li>SNTP/NTP Server IP</li> <li>SNTP/NTP Time Zone</li> <li>(GMT) Greenwich Mean Time : Dublin, Edinburgh, Lisbon, Londor</li> <li>Daylight Saving Time</li> <li>Enable</li> </ul> <li>Set Date and Time manually</li> <li>Year 2008 Month</li> <li>Jan Day 14</li> <li>Hour 11 Minute 51 Second 6</li> <li>Copy Your Computer's Time Settings</li>		Apply

SNTP/NTP Information:	Displays the current SNTP/NTP settings.
SNT/NTP Server IP Address:	Enter the SNTP/NTP server IP address.
SNTP/NTP Time Zone:	Select your correct Time Zone.
Daylight Saving Time:	Check the box to <b>Enable</b> Daylight Saving Time.
Set Date and Time manually:	You can either manually set the time for your AP here, or you can click the Copy Your Computer's Time Settings button to copy the time from the computer you are using (Make sure that the computer's time is set correctly).

## System > System Settings

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<ul> <li>Home</li> <li>Tool ▼</li> <li>DVML-3260AP</li> <li>Basic Settings</li> <li>Advanced Settings</li> <li>Status</li> </ul>	Configuration       System         System Settings         Apply Settings and Restart         Restore to Factory Default Settings         Restore	Cogout 🕐 Help

Click **Restart** to restart the DWL-3260AP.

Click **Restore** to restore the DWL-3260AP back to factory default settings.

#### Help

#### Home

#### Advanced Settings

#### Performance

You can customize the network radio to fit your needs by tuning radio parameters in performance section. Performance functions are designed for advanced users who are familiar with 802.11 wireless networks and radio configuration.

#### Wireless Band

IEEE 802.11g is supported.

#### Frequency

The operation frequency display will change according to the channel selected.

#### Channel

By default, the AP is set to Auto Channel Scan. The channel can be changed to fit the channel setting for an existing wireless network or to customize the wireless network.

#### Data Rate

Indicate the base transfer rates based on the speed of wireless adapters on the wireless local area network (WLAN). The default value is set to "Auto" which adjusts the base transfer rate depending on the base rate of the connecting device.

#### Beacon Interval (20-1000)

Beacons are packets sent by an access point to synchronize a wireless network. Specify a Beacon interval value between 20 and 1000. The default value is set to 100 milliseconds.

#### DTIM (1-255)

DTIM Interval specifies the number of AP beacons between each Delivery Traffic Indication Message (DTIM). It informs associated stations of the next window for listening to broadcast and multicast messages. You can specify a DTIM value range from 1 to 255. The AP will send the next DTIM with specified DTIM value to stations if there is any buffered broadcast or multicast message. Stations hear the beacons and get ready to receive the broadcast or multicast messages. The default value for DTIM interval is 1.

#### Fragment Length (256-2346)

The default value is 2346 for fragmentation. By fragmenting packets into shorter fragments, the time spent on re-transmissions can be reduced if the packet error rate is high. However, unnecessary short fragment length will result in poor performance due to low transmission efficiency.

#### RTS Interval (1-2346)

The default value for request to send (RTS) threshold is 2346. With smaller RTS length value, the wireless network can recover from interference and collisions quicker since more RTS packets are transmitted. However, more RTS packets also consume more bandwidth, which leads to low throughput. Thus, small RTS Length value is only recommended for heavy loading network or high electromagnetic wireless interference.

Help: Scroll down the Help page for topics and explanations.

# **Product Specifications**

Standards

- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3af

Data Rates - For 802.11g: 108, 54, 48, 36, 24, 18, 12, 9 and 6Mbps - For 802.11b: 11, 5.5, 2 and 1Mbps

Wireless Frequency Range 2.4GHz to 2.4835GHz

Antenna

- Internal 1dBi antenna
- Reverse SMA connector for optional external antenna

\* Environmental factors may adversely affect operation range.

Radio and Modulation Type - For 802.11b: DSSS: DBPSK @ 1Mbps DQPSK @ 2Mbps CCK @ 5.5 and 11Mbps - For 802.11g: OFDM: BPSK @ 6 and 9Mbps QPSK @ 12 and 18Mbps 16QAM @ 24 and 36Mbps 64QAM @ 48 and 54Mbps DSSS: DBPSK @ 1Mbps DQPSK @ 2Mbps CCK @ 5.5 and 11Mbps **Transmit Output Power** 18 dBm Typical **Receiver Sensitivity** 

- For 802.11b: 1Mbps: -94dBm 2Mbps: -90dBm 5.5Mbps: -89dBm 11Mbps: -85dBm - For 802.11g: 1Mbps: -94dBm 2Mbps: -90dBm 5.5Mbps: -89dBm 9Mbps: -84dBm 11Mbps: -85dBm 12Mbps: -82dBm 18Mbps: -80dBm 24Mbps: -77dBm 36Mbps: -73dBm 48Mbps: -72dBm 54Mbps: -72dBm

**Operation Modes** 

- Access Point
- WDS With AP
- WDS

Security

- 64-, 128-, 152-bit WEP data encryption
- MAC address filtering
- WPA/WPA2 EAP
- WPA/WPA2 PSK
- 802.1x User Authentication
- AES
- 802.11i-ready
- 802.1Q SSID broadcast enable/disable
- Multiple SSIDs (maximum 8)
- Isolated security for each SSID (different security setting for each SSID)
- Rogue AP detection

VLAN

- 802.1Q VLAN Tagging
- Up to 8 VLANs

Quality of Service WMM (Wi-Fi Multimedia) certified

Device Management

- Web Browser Interface: HTTP Secure HTTP (HTTPS)
- AP Manager II
- SNMP support:
- D-View module
- Private MIB
- Command Line Interface: Telnet Secure (SSH) Telnet

Physical & Environmental

- Power

- Status
- Traffic Activity

Operating Voltage 48VDC +/- 10% for PoE

Power Consumption 6.24 watts (130mA) (max.)

Dimensions

- Diameter: 171.97 mm (6.77 inches)

- Height: 48.16 mm (1.90 inches)

Weight 284 grams (0.63 lb)

Operating Temperature 0° to 40° C (32° to 104° F)

Storing Temperature -20° to  $65^{\circ}$  C (-4° to  $149^{\circ}$  F)

Operating Humidity 10% to 90% (non-condensing)

Storing Humidity 5% to 95% (non-condensing)

Certifications

- FCC Class B
- CE
- Wi-Fi