

DAP-2360 Version 2.03

Wireless N PoE Access Point

User Manual

Business Class Networking

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Package Contents

- DAP-2360 802.11n Power over Ethernet (PoE) Access Point
- CAT5 Ethernet Cable
- CD-ROM with User Manual
- Install Guide
- two detachable antennas

Note: Using a power supply with a different voltage rating than the one included with the DAP-2360 will cause damage and void the warranty for this product.

NOTE no PSU supplied. To power the units use an D-Link PoE switch or the D-Link DPE-101GI PoE injector.



System Requirements

- Computers with Windows[°], Macintosh[°], or Linux-based operating systems with an installed Ethernet Adapter
- For configuration, the following web browsers are supported:
 - Microsoft[®] Internet Explorer[®] 7.0 and higher
 - Mozilla Firefox 3.5 and higher
 - Google[™] Chrome 20 and higher
 - Apple Safari 5.0 and higher

Introduction

The DAP-2360 802.11n AP increases productivity by allowing you to work faster and more efficiently. With the DAP-2360, bandwidth-intensive applications like graphics or multimedia will benefit significantly because large files are now able to move across the network quickly.

The DAP-2360 is capable of operating in one of four different wireless networking modes: access point, WDS (Wireless Distribution System) with AP, WDS, or Wireless Client mode.

Use less wiring, enjoy increased flexibility, save time and money with PoE (Power over Ethernet). With PoE, the DAP-2360 shares power and data over the CAT5 cable, making the setup of your network less expensive and more convenient.

An ideal solution for quickly creating and extending a wireless local area network (WLAN) in offices or other workplaces, trade shows, and special events, the DAP-2360 provides data transfer rates up to 300Mbps. (The 802.11n standard is backwards compatible with 802.11g and 802.11b devices.)

WPA/WPA2 is offered in two options: Enterprise (used for corporations) and Personal (used for home users). WPA-Personal and WPA2-Personal are directed towards home users who do not have the server-based equipment required for user authentication. This method of authentication is similar to WEP because you define a "Pre-Shared Key" on the wireless router/AP. Once the pre-shared key is confirmed and satisfied at both the client and access point, access is then granted. The encryption method used is referred to as the Temporal Key Integrity Protocol (TKIP), which offers per-packet dynamic hashing. It also includes an integrity checking feature which ensures that the packets were not tampered with during wireless transmission.

WPA-Enterprise and WPA2-Enterprise are ideal for businesses that already have existing security infrastructures established.

Management and security implementation can now be centralized on a server participating on the network. Utilizing 802.1X with a RADIUS (Remote Authentication Dial-in User Service) server, a network administrator can define a list of authorized users who can access the wireless LAN. When attempting to access a wireless LAN with WPA-Enterprise configured, the new client will be requested to enter a username with a password. If the new client is authorized by the administration, and enters the correct username and password, then access is granted. In the case where an employee leaves the company, the network administrator is able to remove the previous employee from the authorized list to avoid compromising the network.

EAP (Extensible Authentication Protocol) is available through the Windows[®] XP operating system. You will need to use the same type of EAP protocol on all devices in your network when using the 802.1X feature.

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

Power Usage

This device is an Energy Related Product (ErP) with High Network Availability (HiNA), and 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:** 1.91 watts **Switched Off:** 0.13 watts

Features

- Four different operation modes Capable of operating in one of four different operation modes to meet your wireless networking needs: Access Point, WDS with AP, WDS, or Wireless Client.
- Faster wireless networking with the 802.11n standard to provide a maximum wireless signal rate of up to 300 Mbps*.
- Compatible with the 802.11b standard to provide a wireless data rate of up to 11Mbps, allowing you to migrate your system to the 802.11n and 802.11g standards on your own schedule without sacrificing connectivity.
- Compatible with the 802.11g standard to provide a wireless data rate of up to 54Mbps in the 2.4GHz frequency range.
- Better security with WPA The DAP-2360 can securely connect wireless clients on the network using WPA (Wi-Fi Protected Access) to provide a much higher level of security for your data and communications than its previous versions.
- **D-Link Central WiFiManager 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 DAP-2360 is not just fast, but also supports SNMP v.3 for better network management.
- Utilizes OFDM technology (Orthogonal Frequency Division Multiplexing).
- Supports 802.3af Power over Ethernet.
- Supports one 10/100/1000M Ethernet port.
- Operates in the 2.4 ~ 2.4835GHz frequency ranges.
- Web-based interface for managing and configuring.

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

Wireless Basics

D-Link wireless products are based on industry standards to provide high-speed wireless connectivity that is easy to use within your home, business or public access wireless networks. D-Link wireless products provides you with access to the data you want, whenever and wherever you want it. Enjoy the freedom that wireless networking can bring to you.

WLAN use is not only increasing in both home and office environments, but in public areas as well, such as airports, coffee shops and universities. Innovative ways to utilize WLAN technology are allowing people to work and communicate more efficiently. Increased mobility and the absence of cabling and other types of fixed infrastructure have proven to be beneficial to many users.

Wireless adapter cards used on laptop and desktop systems support the same protocols as Ethernet adapter cards, allowing wireless users to use the same applications as those used on a wired network.

People use WLAN technology for many different purposes:

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

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

Installation and network expansion - by avoiding the complications of troublesome cables, a WLAN system can be fast and easy during installation, especially since it can eliminate the need to pull cable through walls and ceilings. Wireless technology provides more versatility by extending the network beyond the home or office.

Inexpensive solution - wireless network devices are as competitively priced as conventional Ethernet network devices. The DAP-2360 saves money by providing users with multi-functionality configurable in four different modes.

Scalability - Configurations can be 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 DAP-2360 Wireless N PoE Access Point utilizes the 802.11b, 802.11g, and 802.11n standards.

The IEEE 802.11n standard is an extension of the 802.11b and 802.11g standards that came before it. It increases the maximum wireless signal rate up to 300Mbps* within the 2.4GHz bands, 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 (Orthogonal Frequency Division Multiplexing) technology. OFDM works by splitting the radio signal into multiple smaller sub-signals that are then simultaneously transmitted at different frequencies to the receiver. OFDM reduces the amount of crosstalk (interference) in signal transmissions.

The D-Link DAP-2360 will automatically sense the best possible connection speed to ensure the greatest possible speed and range.

IEEE 802.11n offers the most advanced network security features available today, including WPA.

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

Wireless Installation Considerations

The D-Link Wireless N wireless access point lets 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 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 the 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 in not in use.

Hardware Overview





Power Receptacle (*Note no longer used, replaced by PoE) The supplied power adapter connects here.

Reset Button

A pinhole button located beside the Ethernet socket is used to reset the system or restore the factory default settings.

Note: After resetting the unit, you will still be able to access the data on your hard drives.

LAN (PoE) Port

An Gigabit Ethernet port that connects the unit to a network. This port can also be used to supply power to this unit using Power over Ethernet.

Power LED This light will be solid green when the unit is powered on.

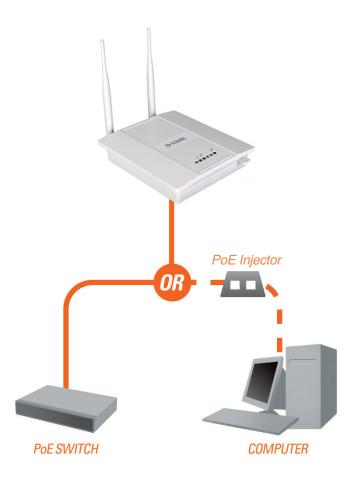
2.4 GHz LED

This light will be flickering green when the 2.4GHz frequency is in use.

LAN LED

This light will be flickering green when there is active LAN traffic.

Connect Power over Ethernet (PoE)

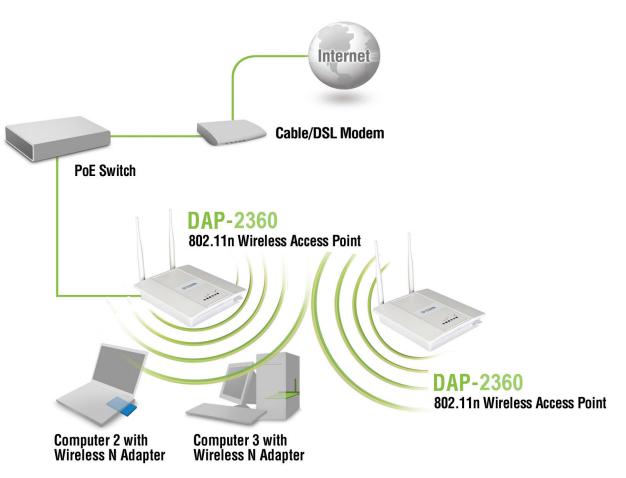


Connect one end of an Ethernet cable (included with your access point) to the LAN port on the DAP-2360 and the other end of the Ethernet cable to either your computer or to your PoE switch. The AP can be powered on by a PoE switch or by the DPE-101GI.

Four Operational Modes

Operation Mode (Only supports 1 mode at a time)	Function
Access Point (AP)	Create a wireless LAN
WDS with AP	Wirelessly connect multiple networks while still functioning as a wireless AP
WDS	Wirelessly connect multiple networks
Wireless Client	AP acts as a wireless network adapter for your Ethernet- enabled device

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 Install Guide included with your router.
- 4. If you are connecting a desktop computer to your network, install a wireless PCI adapter into an available PCI slot on your desktop computer.
- 5. Install the drivers for your wireless CardBus adapter into a laptop computer.

Configuration

To configure the DAP-2360, use a computer that is connected to the DAP-2360 with an Ethernet cable (see the *Network Layout diagram*).

Launch your web browser.

Type the IP address of the DAP-2360 in the address field (http://192.168.0.50) and press Enter. Make sure that the IP addresses of the DAP-2360 and your computer are in the same subnet.



Note: If you have changed the default IP address assigned to the DAP-2360, make sure to enter the correct IP address.

Enter the user name (admin) and your password. Leave the password field blank by default and click Login.

LOGIN		
Login to the Access	Point:	
	User Name	
	Password	

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

After successfully logging into the DAP-2360, the following screen will appear:



Save and Activate Settings

When making changes on most of the configuration screens in this section, use the save button at the bottom of each screen to save (not activate) your configuration changes.

You may change settings to multiple pages before activating. Once you are finished, click the **Configuration** button located at the top of the page and then click **Save and Activate**.



Basic Settings Wireless Access Point mode

Wireless Band:	Select 2.4GHz from the drop-down menu.	D-Link		DAP-2360
Mode: Network Name (SSID): SSID Visibility:	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. The SSID can be up to 32 characters and is case-sensitive.	Home Maintenan	nce Config Wireless Settings Wireless Band Mode Network Name (SSID) SSID Visibility Auto Channel Selection Channel Channel Width Captive Profile Authentication Key Settings Encryption Key Type Key Index(1~4) Network Key Confirm Key	
Auto Channel Selection:	Enabling this feature automatically selects the channel that provides the best wireless performance. Enable is set by default. The channel selection process only occurs when the AP is bootin	ng up.		Save
Channel:	All devices on the network must share the same cha Disable , and then use the drop-down menu to mak Note: The wireless adapters will automatically scan ar	e the desired selection	on.	gle the Auto Channel Selection setting to

Channel Width:	Allows you to select the channel width you would like to operate in. Select 20 MHz if you are not using any 802.11n wireless clients. Auto 20/40 MHz allows you to connect to both 802.11n and 802.11b/g wireless devices on your network.
Captive Profile:	Disable or select a Captive Portal profile for Primary SSID.
Authentication:	Use the drop-down menu to choose Open System, Shared Key, WPA-Personal, WPA-Enterprise, or 802.11x.
	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. If multi-SSID is enabled, this option is not available.
	Select WPA-Personal to secure your network using a password and dynamic key changes. No RADIUS server is required.
	Select WPA-Enterprise to secure your network with the inclusion of a RADIUS server.
	Select 802.1x to secure your network using 802.1x authentication.

WDS with AP mode

In WDS with AP mode, the DAP-2360 wirelessly connects multiple networks while still functioning as a wireless AP.

Wireless Band:	Select 2.4GHz from the drop-down menu.	Ţ
Mode:	WDS with AP mode is selected from the drop-down menu.	
Network Name (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.	
SSID Visibility:	Enable or Disable SSID visibility. Enabling this feature broadcasts the SSID across the network, thus making it visible to all network users.	
Auto Channel Selection:	Enabling this feature automatically selects the channel that will provide the best wireless performance. This feature is not supported in WDS with AP mode. The channel selection process only occurs when the AP is booting up.	
Channel:	To change the channel, use the drop-down menu to make the desired selection. (Note: The wireless adapters will automatically scan and match the wireless settings.)	
Channel Width:	Indicates whether the device is capable of 20MHz operation only or both 20MHz and 40MHz operation.	

D-Link			DAP-2360
🛕 Home 🤺 Maintena	nce 🔻 🔚 Configuration 👻 🐑 System	💋 Logout	🕐 Help
DAP-2360	Wireless Settings		
Wireless LAN Pv6 Status	Wireless Band 2.4GHz Mode WDS with AP Network Name (SSID) dlnk SSID Visibility Enable Auto Channel Selection Disable Channel 11 Channel Width 20 MHz Captive Profile Disable WDS Remote AP MAC Address 1. 2. 3. 5. 6. 7.	4,8,	
	Site Survey CH RSSI BSSID Security	SSID	Scan
	Authentication Open System Key Settings Encryption Network Key Confirm Key (0-9,a-z,A-Z,~!@#\$%^&*()_+`-={	2y Size 64 Bit: 0-0];'\:" ,-,/<>?)	s >
		0	Save

Captive Profile:	Disable or select a Captive Portal profile for Primary SSID.
Remote AP MAC Address:	Enter the MAC addresses of the APs on your network that will serve as bridges to wirelessly connect multiple networks.
Site Survey:	Click on the Scan button to search for available wireless networks, then click on the available network that you want to connect with.
Authentication:	Use the drop-down menu to choose Open System , Shared Key , or WPA-Personal . 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. If multi-SSID is enabled, this option is not available. Select WPA-Personal to secure your network using a password and dynamic key changes. No RADIUS server is required.

WDS mode

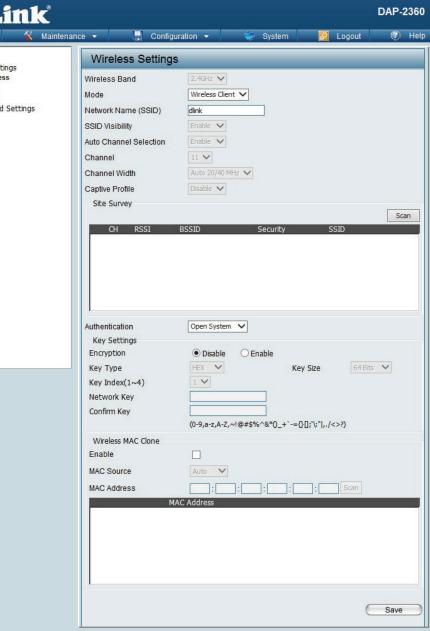
In WDS mode, the DAP-2360 wirelessly connects multiple networks, without functioning as a wireless AP.

Wireless Band:	Select 2.4GHz from the drop-down menu.	D-Link [®]	DAP-2	360
Mode:	WDS is selected from the drop-down menu.	Home Maintenance DAP-2360	ce 🗸 📑 Configuration 🖌 🐑 System 💋 Logout 🔞	Help
Network Name (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.	← È LAN Pv6 Control Pv6 Control Pv6 Con	Wireless Band 2.4GHz ✓ Mode WDS ✓ Network Name (SSID) dlink SSID Visibility Enable ✓ Auto Channel Selection Disable ✓ Channel 11 ✓ Channel Width 20 MHz ✓ Captive Profile Disable ✓	
SSID Visibility: Auto Channel Selection:	 Enable or Disable SSID visibility. Enabling this feature broadcasts the SSID across the network, thus making it visible to all network users. Enabling this feature automatically selects the channel that will provide the best wireless performance. This feature is not supported in WDS 		WDS Remote AP MAC Address 1. 2. 5. 6. 7. 8. Site Survey Sca CH RSSID Security	
Channel: Channel Width:	mode. All devices on the network must share the same channel. To change the channel, use the drop-down menu to make the desired selection. Use the drop-down menu to choose 20 MHz or Auto 20/40 MHz .		Authentication Open System V Key Settings Encryption Obisable O Enable Key Type HEX V Key Size 64 Bits V Key Index(1~4) I V Network Key Onfirm Key	
Remote AP MAC Address:	Enter the MAC addresses of the APs on your net- work that will serve as bridges to wirelessly connect multiple networks.		(0-9,a-z,A-Z,~!@#\$%^&*()_+`-={}[];'\;" ,./<>?)	

Site Survey:	Click on the Scan button to search for available wireless networks, then click on the available network that you want to connect with.
Authentication:	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 WPA-Personal to secure your network using a password and dynamic key changes. No RADIUS server is required.

Wireless Client mode

Wireless Band:	Select 2.4GHz from the drop-down menu.	
Mode:	Wireless Client is selected from the drop-down menu.	Home X Ma
Network Name (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.	DAP-2360 Basic Settings Wireless LAN Pv6 Status Status
SSID Visibility:	This option is unavailable in Wireless Client mode.	
Auto Channel Selection:	Enabling this feature automatically selects the channel that will provide the best wireless performance. This feature is not supported in Wireless Client mode.	
Channel:	The channel used will be displayed, and matches the AP that the DAP-2360 is connected to when set to Wireless Client mode.	
Channel Width:	Use the drop-down menu to choose 20 MHz or Auto 20/40 MHz .	
Site Survey:	Click on the Scan button to search for available wireless networks, then click on the available network that you want to connect with. Use the drop-down menu to choose Open System or WPA-Personal .	
Authentication:	Select Open System to communicate the key across the network. Select WPA-Personal to secure your network using a password and dynamic key changes. No RADIUS server is required.	
Enable:	Check to enable clone MAC. This feature will allow you to change the MAC address of the access point to the MAC address of a client.	
MAC Source:	Select the MAC source from the drop-down menu.	
MAC Address:	Enter the MAC address that you would like to assign to the access point.	



D-Link DAP-2360 User Manual

Open System/Shared Key Authentication

Encryption:	Use the radio button to disable or enable encryption.	D-Link				DA	P-2360
Key Type*: Key Size: Key Index (1-4):	encryption. Select HEX or ASCII . Select 64 Bits or 128 Bits .	Decline Maintenan DAP-2360 Basic Settings Wireless UNITE VVireless Advanced Settings Status	E Configu Wireless Settings Wireless Band Mode Network Name (SSID) SSID Visibility Auto Channel Selection Channel Channel Width Captive Profile Authentication Key Settings Encryption Key Type Key Index(1~4)		em <table-cell> L</table-cell>		Help
			Network Key Confirm Key	(0-9,a-z,A-Z,~!@#\$%^&*()_	.+`-=00;'\;" ,./<>		ave

**Hexadecimal (HEX) digits consist of the numbers 0-9 and the letters A-F.

*ASCII (American Standard Code for Information Interchange) is a code that represents English letters using numbers ranging from 0-127.

WPA/WPA2-Personal Authentication

WPA Mode:	When WPA-Personal is selected for Authentication type, you must also select a WPA mode from the drop- down menu: AUTO (WPA or WPA2), WPA2 Only , or	D-Link Home X Maintenar	nce 👻 📑 Configu	DAP-2360 Jration - 😌 System 🛛 Logout 🕐 Help
	WPA Only . WPA and WPA2 use different algorithms. AUTO (WPA or WPA2) allows you to use both WPA and WPA2.	DAP-2360	Wireless Settings Wireless Band Mode Network Name (SSID)	C.4GHz V Access Point V
Cipher Type:	When you select WPA-Personal , you must also select AUTO, AES , or TKIP from the drop-down menu.	⊞-j Status	SSID Visibility Auto Channel Selection Channel	Enable V 11 V
Group Key Update:	5 5 1 7		Channel Width Captive Profile Authentication PassPhrase Settings WPA Mode	20 MHz V Disable V WPA-Personal V
Periodical Key Change:	You can select Periodical Key Change to have the access point automatically change your PassPhrase. Enter the Activate From time and the time in hours to change the key.		Cipher Type Manual Activated From Time Interval PassPhrase Confirm PassPhrase	Auto Group Key Update Interval 3600 (Seconds) Periodical Key Change Sun : 00 : 00 1 (1~168)hour(s)
PassPhrase:	When you select WPA-Personal , please enter a PassPhrase in the corresponding field.			notice: 8~63 in ASCII or 64 in Hex. (0-9,a-z,A-Z,~!@#\$%^&*()_+`-={}[;'\:" ,./<>?)

WPA/WPA2-Enterprise Authentication

(WPA or WPA2) allows you to use both WPA and WPA2. Basic Settings Wireless Cipher Type: When WPA-Enterprise is selected, you must also Mode Network	Access Point V Access Point V sibility Enable V annel Selection Enable V el 11 V el Width 20 MHz V
(WPA or WPA2) allows you to use both WPA and WPA2. Wireless Wireless Cipher Type: When WPA-Enterprise is selected, you must also select a cipher type from the drop-down menu: Auto, AES, or TKIP. Wireless Network	s Band 2.4GHz V Access Point V K Name (SSID) dlink sibility Enable V iannel Selection Enable V el 11 V el Width 20 MHz V
Cipher Type: When WPA-Enterprise is selected, you must also select a cipher type from the drop-down menu: Auto, AES, or TKIP. Wireless Wireless Wireless Mode Wireless Wireless Mode	Access Point V Access Point V sibility Enable V annel Selection Enable V el 11 V el Width 20 MHz V
Cipher Type: When WPA-Enterprise is selected, you must also select a cipher type from the drop-down menu: SID Vis Auto, AES, or TKIP. Auto Chi	sibility Enable annel Selection Enable el 11 el Width 20 MHz
	Profile Disable V
Interval: interval may reduce data transfer rates.	US Server Settings Node AUTO (WPA or WPA2)
Network Access Protection:Enable or disable Microsoft Network AccessProtection:Protection.	ork Access Protection rk Access ition S Server Mode
RADIUS Server:Enter the IP address of the RADIUS server.Primar	S Server External Internal RADIUS Server Setting S Server RADIUS Port 1812
RADIUS Port: Enter the RADIUS port.	S Secret (0-9,a-z,A-Z,~!@#\$%^&*()_+`-=()[;'\;" ,./<>?) p RADIUS Server Setting (Optional)
RADIUS Secret: Enter the RADIUS secret	S Server RADIUS Port 1812 S Secret
Accour Accour Backu Accour	(0-9,a-z,A-Z,~!@#\$%^&*0_+`-={[];'\;" ,./<>?) ry Accounting Server Setting nting Mode Disable ✓ nting Server Accounting Port 1813 nting Secret (0-9,a-z,A-Z,~!@#\$%^&*0_+`-={[];'\;" ,./<>?) rp Accounting Server Setting (Optional) nting Server Accounting Port 1813 nting Secret (0-9,a-z,A-Z,~!@#\$%^&*0_+`-={[];'\;" ,./<>?) Save

802.1x Authentication

Key Update Interval:	Select the interval during which the group key will be valid (300 is the recommended value). A lower interval may reduce data transfer rates.	
RADIUS Server:	Enter the IP address of the RADIUS server.	.
RADIUS Port:	Enter the RADIUS port.	÷
RADIUS Secret:	Enter the RADIUS secret.	

D-Link			DAP-2360
🏠 Home 🤺 Mainten	iance 👻 📑 Configi	uration 👻 👙 System 🛛 🖉 Logou	ut 🕐 Help
DAP-2360 Basic Settings	Wireless Settings	S	
Wireless	Wireless Band	2.4GHz V	
	Mode	Access Point	
Advanced Settings	Network Name (SSID)	dlink	
Status			
	SSID Visibility		
	Auto Channel Selection	Enable V	
	Channel	11 🗸	
	Channel Width	20 MHz 🗸	
	Captive Profile	Disable 🗸	
	Authentication	802.1X V	
	RADIUS Server Settings	and the second sec	
	Key Update Interval	300 (Seconds)	
	RADIUS Server Mode		
	RADIUS Server	External O Internal	
	Primary RADIUS Serve	r Setting	
	RADIUS Server	RADIUS Port 1812	
	RADIUS Secret		
		(0-9,a-z,A-Z,~!@#\$%^&*()_+`-={}[;'\:" ,./<>?)	
	Backup RADIUS Server		
	RADIUS Server	RADIUS Port 1812	
	RADIUS Secret		
	Primary Accounting Se	(0-9,a-z,A-Z,~!@#\$%^&*()_+`-={}[;'\;" ,./<>?)	
	Accounting Mode		
	Accounting Server	Accounting Port 1813	- II
	Accounting Secret		-
	Accounting Secret	(0-9,a-z,A-Z,~!@#\$%^&*()_+`-={}[;'\:" ,./<>?)	
	Backup Accounting Se	erver Setting (Optional)	
	Accounting Server	Accounting Port 1813	
	Accounting Secret		
		(0-9,a-z,A-Z,~!@#\$%^&*()_+`-={[;'\:" ,./<>?)	
			Save

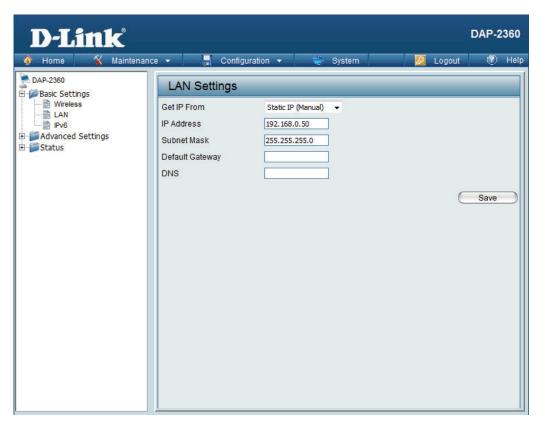
LAN

LAN is short for Local Area Network. This is considered your internal network. These are the IP settings of the LAN interface for the DAP-2360. 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 IPStatic IP (Manual) is chosen here. Choose this optionFrom:if you do not have a DHCP server in your network, or
if you wish to assign a static IP address to the DAP-
2360. When Dynamic IP (DHCP) is selected, the other
fields here will be grayed out. Please allow about two
minutes for the DHCP client to be functional once this
selection is made.
- 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.
 - SubnetEnter the subnet mask. All devices in the network mustMask:share the same subnet mask.

DefaultEnter the IP address of the gateway in your network. IfGateway:there is a gateway in your network, please enter an IP
address within the range of your network.

DNS: Enter the DNS IP address used here.



IPv6

Enable IPv6: Check to enable the IPv6

IP

- Get IP From: Auto is chosen here. Choose this option the DAP-2360 can get IPv6 address automatically or use Static to set IPv6 address manually. When Auto is selected, the other fields here will be grayed out.
 - Address: Enter the LAN IPv6 address used here.
 - **Prefix:** Enter the LAN subnet prefix length value used here.
 - DefaultEnter the LAN default gateway IPv6 address used here.Gateway:

D-Link				DAP-2360
🏠 Home 🥻 Maintenanc	e 🔻 📙 Configur	ation 🔻 👙 System	💋 Logoi	ut 🕐 Help
DAP-2360 Basic Settings Wireless LAN Pv6 Advanced Settings Status	IPv6 Settings			Save

Advanced Settings Performance

Wireless:	Use the drop-down menu to turn the wireless function On or Off .	D-Link		DAP-2360
Wireless Mode: Data Rate*:	be supported include Mixed 802.11n, 802.11g and 802.11b, Mixed 802.11g and 802.11b and 802.11n Only. Please note that when backwards compatibility is enabled for legacy (802.11g/b) clients, degradation of 802.11n wireless performance is expected. Indicate the base transfer rate of wireless adapters on the wireless LAN. The AP will adjust the base transfer rate depending on the base rate of the connected device. If there are obstacles or	Home Maintenar DAP-2360 Basic Settings Wireless LAN Pr6 Advanced Settings Wireless Resource Multi-SSID VLAN Intrusion Schedule Intrusion Bandwidth Optimization AP Array DefProver Captive Portal DHCP Server Filters Filters Status	Configuration Performance Settings Wireless band Wireless Mode Data Rate Beacon Interval (40-500) DTIM Interval (40-500) DTIM Interval (1-15) Transmit Power WMM (Wi-Fi Multimedia) Ack Time Out (2.4GHz, 48~200) Short GI IGMP Snooping Multicast Rate Multicast Bandwidth Control Maximum Multicast Bandwidth HT20/40 Coexistence	© Help

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

Section 3 - Configuration

Beacon Interval (25- 500):	Beacons are packets sent by an access point to synchronize a wireless network. Specify a value in milliseconds. The default (100) is recommended. Setting a higher beacon interval can help to save the power of wireless clients, while setting a lower one can help a wireless client connect to an access point faster.
DTM Interval (1-15):	
Transmit Power:	This setting determines the power level of the wireless transmission. Transmitting power can be adjusted to eliminate overlap- ping of wireless area coverage between two access points where interference is a major concern. For example, if wireless cov- erage is intended for half of the area, then select 50% as the option. Use the drop-down menu to select 100% , 50% , 25% , or 12.5% .
WMM (Wi-Fi Multimedia):	WMM stands for Wi-Fi Multimedia. Enabling this feature will improve the user experience for audio and video applications over a Wi-Fi network.
Ack Time Out (2.4 GHZ, 64~200) :	To effectively optimize throughput over long distance links, enter a value for Acknowledgement Time Out from 64 to 200 micro- seconds in the 2.4 GHz in the field provided.
Short GI:	Select Enable or Disable . Enabling a short guard interval can increase throughput. However, be aware that it can also increase the error rate in some installations due to increased sensitivity to radio-frequency installations.
IGMP Snooping:	Select Enable or Disable . Internet Group Management Protocol allows the AP to recognize IGMP queries and reports sent between routers and an IGMP host (wireless STA). When IGMP snooping is enabled, the AP will forward multicast packets to an IGMP host based on IGMP messages passing through the AP.
Multicast Rate:	Select the multicast rate for 2.4G band.
Multicast Bandwidth Control :	Adjust the multicast packet data rate here. The multicast rate is supported in AP mode and WDS with AP mode, including Multi- SSIDs.
Maximum Multicast Bandwidth :	Set the multicast packets maximum bandwidth pass through rate from the Ethernet interface to the Access Point.
HT20/40 Coexistence :	Enable this option to reduce interference from other wireless networks in your area. If the channel width is operating at 40MHz and there is another wireless network's channel over-lapping and causing interference, the Access Point will automatically change to 20MHz.
Transfer DHCP Offer to Unicast :	Enable to transfer the DHCP Offer to Unicast from LAN to WLAN, suggest to enable this function if stations number is larger than 30.

Wireless Resource

The Wireless Resource Control window is used to configure the wireless connection settings so that the device can detect the better wireless connection in your environment.

Wireless	Select 2.4GHz.
band:	

- ConnectionSelect Enable or Disable. This is an option for load
balancing. This determines whether to limit the
number of users accessing this device. The exact
number is entered in the User Limit field below. This
feature allows the user to share the wireless network
traffic and the client using multiple APs. If this
function is enabled and when the number of users
exceeds this value, or the network utilization of this
AP exceeds the percentage that has been specified,
the DAP-2360 will not allow clients to associate with
the AP.
- User Limit: Set the maximum amount of users that are allowed access (zero to 64 users) to the device using the specified wireless band. The default setting is 20.
 - 11n Use the drop-down menu to Enable the 11n
- Preferred:Preferred function. The wireless clients with 802.11nprotocol will have higher priority to connect to the
device.



Network Utilization:	Set the maximum utilization of this access point for service. The DAP-2360 will not allow any new clients to associate with the AP if the utilization exceeds the value the user specifies. Select a utilization percentage between 100%, 80%, 60%, 40%, 20%, or 0%. When this network utilization threshold is reached, the device will pause one minute to allow network congestion to dissipate.
Aging out:	Use the drop-down menu to select the criteria of disconnecting the wireless clients. Available options are RSSI and Data Rate .
RSSI Threshold:	When RSSI is selected in the Aging out drop-down menu, select the percentage of RSSI here. When the RSSI of wireless clients is lower than the specified percentage, the device disconnects the wireless clients.
Data Rate Threshold:	When Data Rate is selected in the Aging out drop-down menu, select the threshold of data rate here. When the data rate of wireless clients is lower than the specified number, the device disconnects the wireless clients.
ACL RSSI:	Use the drop-down menu to Enable the function. When enabled, the device denies the connection request from the wireless clients with the RSSI lower than the specified threshold below.
ACL RSSI Threshold:	Set the ACL RSSI Threshold.

Multi-SSID

The device supports up to four multiple Service Set Identifiers. In the **Basic** > **Wireless** section, you can set the Primary SSID. 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.

Enable Multi-SSID:	Check to enable support for multiple SSIDs.	D-Link	DAP-2360
Band: Index: SSID:	This read-only value is the current band setting. You can select up to three multi-SSIDs. With the Primary SSID, you have a total of four multi-SSIDs. 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.	Home Maintenan DAP-2360 Basic Settings Wireless LAN Profit Profit Advanced Settings Viceless Resource Wireless Resource Wireless Resource Wireless Resource Multi-SSD VLAN Intrusion Schedule Internal RADIUS Server Bandwidth Optimization Bandwidth Optimization Prof Captive Portal DHCP Server Pitters Traffic Control Status Status	ance Configuration System Logout Help Multi-SSID Settings Enable Multi-SSID Enable Priority Wireless Settings Band 2.4 GHz Index Primary SSID SSID dink SSID SSID Dink SSID SSID Security Priority Priority Captive Profile Disable
SSID Visibility:	Enable or Disable SSID visibility. Enabling this feature broadcasts the SSID across the network, thus making it visible to all network users.		Add Index SSID Band Encryption Delete Primary SSID dlink 2.4 GHz None
Security:	The Multi-SSID security can be Open System , WPA-Personal , WPA-Enterprise , or 802.1x . For a detailed description of the Open System parameters, please go to page 25. For a detailed description of the WPA-Personal parameters, plea please go to page 27. For a detailed description of		a detailed description of the WPA-Enterprise parameters, eters, please go to page 28.

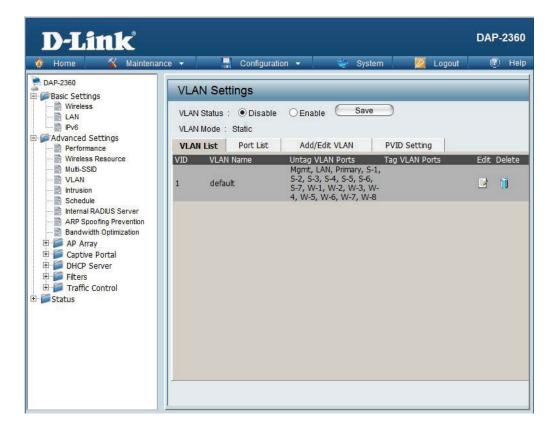
Priority:	Check the Enable Priority box at the top of this window to enable. Select the priority from the drop-down menu.		
WMM (Wi-Fi Multimedia):	Select Enable or Disable.		
Captive Profile:	Disable or select a Captive Portal profile for M-SSID.		
Encryption:	When you select Open System , toggle between Enable and Disable . If Enable is selected, the Key Type, Key Size, Key Index (1~4), Key, and Confirm Keys must also be configured.		
Key Type:	Select HEX or ASCII.		
Key Size:	Select 64 Bits or 128 Bits .		
Key Index (1-4):	Select from the 1st to 4th key to be set as the active key.		
Key:	Input up to four keys for encryption. You will select one of these keys in the Key Index drop-down menu.		
WPA Mode:	When you select either WPA-Personal or WPA-Enterprise , you must also choose a WPA mode from the drop-down menu: AUTO (WPA or WPA2), WPA2 Only , or WPA Only . WPA and WPA2 use different algorithms. AUTO (WPA or WPA2) allows you to use both WPA and WPA2. In addition, you must configure Cipher Type and Group Key Update Interval.		
Cipher Type:	Select Auto, AES, or TKIP from the drop-down menu.		
Group Key Update Interval:	Select the interval during which the group key will be valid. The default value of 1800 seconds is recommended.		
PassPhrase:	When you select WPA-Personal, please enter a PassPhrase in the corresponding field.		
Confirm PassPhrase:	When you select WPA-Personal, please re-enter the PassPhrase entered in the previous item in the corresponding field.		
RADIUS Server:	When you select WPA-Enterprise , enter the IP address of the RADIUS server. In addition, you must configure RADIUS Port and RADIUS Secret.		
RADIUS Port:	Enter the RADIUS port.		
RADIUS Secret:	Enter the RADIUS secret.		

VLAN VLAN List

The DAP-2360 supports VLANs. VLANs can be created with a Name and VID. Mgmt (TCP stack), LAN, Primary/ Multiple SSID, and WDS connection can be assigned to VLANs as they are physical ports. Any packet which enters the DAP-2360 without a VLAN tag will have a VLAN tag inserted with a PVID.

The VLAN List tab displays the current VLANs.

VLAN Status: Use the radio button to toggle between Enable or Disable. Next, go to the Add/Edit VLAN tab to add or modify an item on the VLAN List tab.



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Port List

The Port List tab displays the current ports. If you want to configure the guest and internal networks on a 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 IEEE 802.1Q standard.

VLAN Status:	Use the radio button to toggle to Enable. Next, go to the Add/Edit VLAN tab to add or modify an item on the VLAN List tab.	D-Link Home 🛠 Maintenan	ice 👻 📑 Configuration
Port Name:	The name of the port is displayed in this column.	DAP-2360 Basic Settings Wireless LAN	VLAN Settings VLAN Status : Disable
Tag VID:	The Tagged VID is displayed in this column.	Advanced Settings	VLAN Mode : Static VLAN List Port List
Untag VID:	The Untagged VID is displayed in this column.	Mutti-SSID VLAN	Port Name Tag VID Mgmt LAN
PVID:	The Port VLAN Identifier is displayed in this column.	Schedule Schedule ArP Spoofing Prevention Bandwidth Optimization AP Array Captive Portal DHCP Server Filters Traffic Control Status	Primary S-1 S-2 S-3 S-4 S-5 S-6 S-7 W-1

DAP-2360

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PVID Setting

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Add/Edit VLAN

Add/Edit VLAN

The Add/Edit VLAN tab is used to configure VLANs. Once you have made the desired changes, click the Save button to let your changes take effect.

VLAN Status:	Use the radio button to toggle to Enable.
VLAN ID:	Provide a number between 1 and 4094 for the Internal VLAN.
VLAN Name:	Enter the VLAN to add or modify.

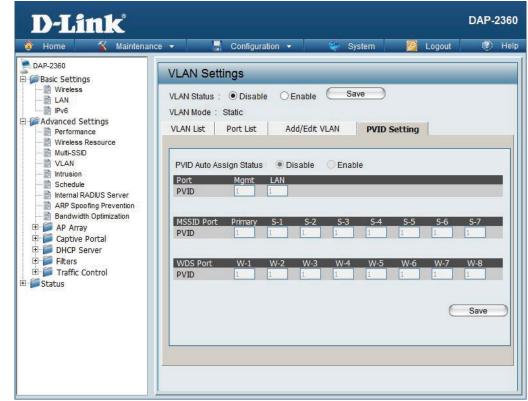
DAP-2360 Basic Settings	VLAN Setting	s								
Wireless LAN IPv6 Advanced Settings Performance	VLAN Status : VLAN Mode : Stati VLAN List Por	c	O Enable Add/Edit		Save	PVID S	etting			
Wireless Resource	VLAN ID (VID)		VLAN Na	ime [-			
VLAN	Port	Select All	Mamt	LAN						
Schedule	Untag	All	٠	•						
Internal RADIUS Server	Tag	All	0	0						
ARP Spoofing Prevention Bandwidth Optimization	Not Member	All		۲						
Bandwidth Optimization	MSSID Port	Select All	Primary	S-1	S-2	S-3	S-4	S-5	S-6	S-7
E Captive Portal	Untag	Al	•	۰	0				۲	•
DHCP Server	Tag	All	0	0	0	0	0	0	0	0
🗉 📁 Filters	Not Member	All	•				٠			•
E Straffic Control	WDS Port	Select All	W-1	W-2	W-3	W-4	W-5	W-6	W-7	W-8
- 📁 Status	Untag	All		۲		۲	۲	۲	0	•
	Tag	All	0	0	0	0	0	0	0	0
	Not Member	All	•	•	•	•	0	0	٠	۲
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PVID Setting

The **PVID Setting** tab is used to enable/disable the Port VLAN Identifier Auto Assign Status as well as to configure various types of PVID settings. Click the **Save** button to let your changes take effect.

VLAN Status:	Use the radio button to toggle between Enable and Disable.
PVID Auto As- sign Status:	Use the radio button to toggle PVID auto assign status to Enable.



Intrusion

The Wireless Intrusion Protection window is used to set APs as All, Valid, Neighborhood, Rogue, and New. Click the Save button to let your changes take effect.

AP List:	The choices include All, Valid , Neighbor, Rogue , and New .	D-Link [®]				DAP-2360
Detect:	Click this button to initiate a scan of the network.	Home Maintenance DAP-2360 Wireless Wireless LAN Wreless Prof Advanced Settings Wireless Resource Wireless Resource Wireless Resource Wireless Resource Multi-SSID VLAN Intrusion Schedule Intrusion Bandwidth Optimization ARP Spoofing Prevention Bandwidth Optimization OHCP Server Filters Traffic Control Status Status	Wireless Band Detect AP List All V Set as Valid Mark All Net	Configuration Intrusion Protection C.4GHz Band CH SSID Set as Neighborhood Set as Neighborhood Ew Access Points as Valid Acce aw Access Points as Rogue Access	Logout Last Seen	© Help Status

Schedule

The Wireless Schedule Settings window is used to add and modify scheduling rules on the device. Click the **Save** button to let your changes take effect.

Wireless Schedule:	Use the drop-down menu to enable the device's scheduling feature.	D-Link Home X Maintena	DAP-2360 nce 🕶 🔚 Configuration 🕶 😴 System 💋 Logout 🕐 Help
Name:	Enter a name for the new scheduling rule in the field provided.	DAP-2360	Wireless Schedule Settings Wireless Schedule Disable
Index:	Select the index from the drop-down menu.	Performance Wireless Resource Multi-SSID VLAN	Add Schedule Rule Name
SSID:	Enter the name of your wireless network (SSID).	Intrusion Schedule Internal RADIUS Server ARP Spoofing Prevention	Index Primary SSID SSID dlink Day(s) All Week Select Day(s)
Day(s):	Toggle the radio button between All Week and Select Day(s) . If the second option is selected, check the specific days you want the rule to be effective on.	Bandwidth Optimization AP Array AP Array Optive Portal DHCP Server Filters Traffic Control Status	Sun Mon Tue Wed Thu Fri Sat All Day(s)
All Day(s):	Check this box to have your settings apply 24 hours a day.		Schedule Rule List Name SSID Index Day(s) Time Frame Wireless Edit DEL
Start Time:	Enter the start time for your rule. If you selected All Day , this option will be greyed out.		
End Time:	Enter the end time for your rule.		+: To the end time of the next day overnight.
Add:	Click to add the rule to the list.		Save
Schedule Rule List:	This section will display the list of created schedules.		
Save:	Click the Save button to save your created rules.		

Internal RADIUS Server

The DAP-2360 features a built-in RADIUS server. Once you have finished adding a RADIUS account, click the Save button to let your changes take effect. The newly-created account will appear in this RADIUS Account List. The radio buttons allow the user to enable or disable the RADIUS account. Click the icon in the delete column to remove the RADIUS account. We suggest you limit the number of accounts below 30.

User Name:	Enter a name to authenticate user access to the internal RADIUS server.	D-Link Home 😵 Maintenar	DAP-2360 nce + 🔚 Configuration + 🐳 System 💋 Logout 😰 Help
Password:	Enter a password to authenticate user access to the internal RADIUS server. The length of your password should be 8~64.	DAP-2360	Internal RADIUS Server Add RADIUS Account User Name Password
Status:	Toggle the drop-down menu between Enable and Disable.	Wireless Resource Wireless Resource With-SSD WLAN Hard States Intrusion Schedule	Status Enable RADIUS Account list User Name Enable Disable Delete
RADIUS Account List:	Displays the list of users.	ARP Spoofing Prevention Bandwidth Optimization APA rray APA rray Scan Configuration Settings Auto-RF Load Balance Captive Portal DHCP Server Filters Filters Status	Save

ARP Spoofing Prevention

The ARP Spoofing Prevention feature allows users to add IP/MAC address mapping to prevent arp spoofing attack.

ARP Spoofing Prevention:	This check box allows you to enable the arp spoofing prevention function.	D-Link	DAP-2360
Gateway IP Address:	Enter a gateway IP address.	DAP-2360	
Gateway MAC Address:	Enter a gateway MAC address.	Advanced Settings Profe Advanced Settings Performance Wireless Resource Multi-SSID VLAN Multi-SSID VLAN Schedule Intrusion Schedule Intrusion AP Array AP Array AP Array Configuration Settings Auto-RF Load Balance Captive Portal Filters Filters Traffic Control Status	Enable V

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Bandwidth Optimization

The Bandwidth Optimization window allows the user to manage the bandwidth of the device and arrange the bandwidth for various wireless clients. When the Bandwidth Optimization rule is finished, click the Add button. To discard the Add Bandwidth Optimization Rule settings, click the Clear button. Click the Save button to let your changes take effect.

Enable Bandwidth Optimization:	Use the drop-down menu to Enable the Bandwidth Optimization function.	D-Link Maintenance - Configuration - System 2 Logout ® He
Downlink Bandwidth:	Enter the downlink bandwidth of the device in Mbits per second.	DAP-2360 Basic Settings Wireless LAN Disable D
Uplink Bandwidth:	Enter the uplink bandwidth of the device in Mbits per second.	IPv6 Downlink Bandwidth 80 Mbits/sec Image: Performance Uplink Bandwidth 80 Mbits/sec Image: Wireless Resource Add Bandwidth Optimization Rule
Rule Type: Allocate average BW for each station:	Use the drop-down menu to select the type that is applied to the rule. Available options are: Allocate average BW for each station, Allocate maximum BW for each station, Allocate different BW for b/g/n stations, and Allocte specific BW for SSID. AP will distribute average bandwidth for each client.	VLAN Intrusion Schedule Internal RADIUS Server ARP Spoofing Prevention Bandwidth Optimization P AP Array Ap Array Scan Configuration Settings Auto-RF Load Balance P Captive Portal DHCP Server Filters P Status Rule Type Allocate average BW for each station Band 2.4 GHz Band 2.4 GHz SID Index Primary SSID Downlink Speed Whits/sec Uplink Speed Madd Clear Band Type SSID Bandwidth Optimization Rules Band Traffic Control Band Band Band Band Band Band Band Band Band <p< th=""></p<>
Allocate maximum BW for each station:	Specify the maximum bandwidth for each connected client. Reserve certain bandwidth for future clients.	
Allocate different BW for a/b/g/n stations:	The weight of 11b/g/n client is 10%/20%/70%; 20%/80%. AP will distribute different bandwidth for b/g/n clients.	Save

Allocate specific BW for SSID:	All clients share the total bandwidth.	D-Link	DAP-23	60	
Band:	Use the drop-down menu to toggle the wireless band between 2.4GHz.	Home Maintenan	nance 🗸 🔚 Configuration 👻 🤤 System 🛛 🖉 Logout 🖤 F Bandwidth Optimization	lelp	
SSID Index:	Use the drop-down menu to select the SSID for the specified wireless band.	Basic Settings Wireless LAN Pv6 Advanced Settings Performance	Enable Bandwidth Optimization Downlink Bandwidth 80 Mbits/sec Uplink Bandwidth 80 Mbits/sec		
Downlink Speed:	Enter the limitation of the downloading speed in either Kbits/sec or Mbits/sec for the rule.	Wireless Resource Wireless Resource VLAN VLAN Intrusion Schedule Internal RADIUS Server ARP Spoofing Prevention Bandwidth Optimization AP Array AP Array AP Array AP Array AP Array Configuration Settings Auto-RF A At Resource	Add Bandwidth Optimization Rule Rule Type Allocate average BW for each station Band 2.4 GHz SSID Index Primary SSID		
Uplink Speed:	Enter the limitation of the uploading speed in either Kbits/sec or Mbits/sec for the rule.		Bandwidth Optimization AP Array AP Array AP Array AP Array AP Array Scan Auto-RF	AP Array AP Array Scan → P Array Scan → Configuration Settings	Downlink Speed Kbits/sec Uplink Speed Kbits/sec Add Clear
		Caba Balance Caba Balance Cabive Portal DHCP Server Filters Traffic Control Status	Bandwidth Optimization Rules Band Type SSID Downlink Speed Uplink Speed Edit Del		

Save

AP Array AP Array Scan

The AP Array window is used to create up to 32 APs on a local network to be organized into a single group in order to increase ease of management. Click the Save button to let your changes take effect. Central WiFiManager and AP Array are mutually exclusive functions.

Enable AP Array:	Select the check box to enable the AP array function. The three modes that are available are Master, Backup Master, and Slave. APs in the	D-Link Home X Maintena		DAP-2360
	same array will use the same configuration. The configuration will sync the Master AP to the Slave AP and the Backup Master AP when a Slave AP and a Backup Master AP join the AP array.	DAP-2360 Basic Settings Advanced Settings Advanced Settings Mireless Resource Multi-SSID VLAN	AP Array Scan Enable AP Array Version:2.0 Master Backup Master Slave AP Array Name	
AP Array Name:	Enter an AP array name for the group here.	Intrusion Schedule Internal RADIUS Server ARP Spoofing Prevention	AP Array Password Scan AP Array List Connection Status Disconnect	
AP Array Password:	Enter an AP array password for the group here. This password must be the same on all the APs in the group.	AP Array AP Array Scan Configuration Settings Auto-RF Load Balance Captive Portal	AP Array List Array Name Master IP MAC Master Backup Master Slav	e Total
Scan AP Array List:	Click this button to initiate a scan of all the available APs currently on the network.	 DHCP Server Filters Traffic Control Status 		
Connection Status:	Display the AP array connection status.		Current Members Index Role IP Address MAC Address Locatio	n
AP Array List:	This table displays the current AP array status for the following parameters: Array Name, Master			
Current Members:	IP, MAC, Master, Backup Master, Slave, and Total. This table displays all the current array members. The DAP-2360 AP array feature supports up to			Save
	eight AP array members.			

Configuration Settings

In the AP array configuration settings windows, users can specify which settings all the APs in the group will inherit from the master AP. Make the required selection in this window and click the Save button to accept the changes made.

Enable AP Array Configuration:	Select to Enable or Disable the AP array configure feature here.	D-Link	DAP-2360
Wireless Basic Settings: Wireless Advanced Settings: Multiple SSID & VLAN: Advanced Functions: Administration Settings:	 Select this option to specify the basic wireless settings that the APs in the group will inherit. Select this option to specify the advanced wireless settings that the APs in the group will inherit. Select this option to specify the multiple SSIDs and VLAN settings that the APs in the group will inherit. Select this option to specify the other advanced settings that the APs in the group will inherit. Select this option to specify the other advanced settings that the APs in the group will inherit. 	App-2360 Maintenar DAP-2360 Basic Settings Basic Settings Wireless LAN Performance Wireless Resource Mult-SSID VLAN Intrusion Internal RADIUS Server ARP Spoofing Prevention Bandwidth Optimization AP Array Scan Configuration Settings Auto-RF Load Balance Captive Portal DHCP Server Filters Traffic Control Status	Ince Configuration Configuration Configuration Enable AP Array Configuration Clear all Wireless Basic Settings Wireless Advanced Settings Multiple SSID & VLAN Advanced Functions Administration Settings Save

Auto-RF

In this windows, users can view and configure the automatic radio frequency settings as well as configure the the auto-initiate period and threshold values. Click the Save button to accept the changes made.

Enable: Auto- RF:	Select to Enable or Disable the auto-RF feature here.	D-Link DAP-2360	
Initiate Auto-RF: Auto-Initiate: Auto-Initiate	Click the Auto-RF Optimize button to initiate the auto-RF optimization feature. Select the Enable or Disable the auto-initiate feature here. After enabling the auto-initiate option, the	▲ Home ▲ Maintenance Configuration ▲ System ▲ Logout ● Hell ■ DAP-2360 ■	
Period: RSSI Threshold:	auto-initiate period value can be entered here. This value must be between 1 and 24 hours. Select the RSSI threshold value here. This value is listed in the drop-down menu in increments of 10% from 10% to 100%.	Schedule Internal RADIUS Server RAP Spoofing Prevention Bandwidth Optimization AP Array AP Array AP Array AP Array AP Array Atu-RF Configuration Settings Auto-RF Configuration Settings Captive Portal DHCP Server DHCP Server E Filters	9
RF Report Frequency:	Enter the RF report frequency value here.	B-j Traffic Control B-j Status	

Load Balance

In this window, users can view and configure the AP array's load balancing settings. Click the Save button to accept the changes made.

Enable Load Balance:	Select to Enable or Disable the load balance feature here.
Active Threshold:	Enter the active threshold value here.



Captive Portal Authentication Settings - Passcode

The Captive Portal is a built-in web authentication server. When a station connects to an AP, the web brower will be redirected to a web authentication page. In this windows, user can view and configure the Captive Portal settings. Click the Add button to add a new entry. Click the Delete or Delete All button to remove a specific entry or all the entries configured.

Encryption Type:	Select the captive portal encryption type here. Options to choose from are Passcode, Username/ Password, Remote RADIUS, LDAP and POP3. In	D-Link Home K Maintenar	DAP-2360 nce 🔻 📑 Configuration 👻 🥪 System 🙋 Logout 🕐 Help
Passcode	this section we'll discuss the Passcode option. Enter the number of Passcode that will be used	DAP-2360 Basic Settings Advanced Settings	Captive Portal Authentication Encryption Type Passcode Passcode Settings
Quantity: Duration:	here. Enter the duration value, in hours, for this	😭 Wireless Resource 📑 Muti-SSID VLAN 	Passcode Quantity
	Passcode.	ARP Spoofing Prevention ARP Spoofing Prevention Bandwidth Optimization P P P AP Array Captive Portal	User Limit Add Clear Delete All Passcode Duration Last Active Day User Limit Delete
Last Active Day:	Select the last active date for this Passcode here. Year, Month and Day selections can be made.	Authentication Settings Jogin Page Upload WEB Redirection DHCP Server Filters	Passcoue Duracion Last Active Day Oser Limit Delete
User Limit:	Enter the maximum amount of users that can use this Passcode at the same time.	E → Status	
			Captive Profile Edit Delete

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Authentication Settings - Username/Password

Encryption Type:	Select the captive portal encryption type here. Options to choose from are Passcode, Username/ Password, Remote RADIUS, LDAP and POP3. In this	D-Link Maintenanc	ce 🔹 📕 Configuration 🔹 👾 System 🛛 🙋 Logout	DAP-2360
	section we'll discuss the User/Password option.	DAP-2360	Captive Portal Authentication	
Restricted Subnets: Username: Password: Group:	Enter the restricted subnets here. Access to these subnets will denied to guest accounts. Up to four restricted subnet entries can be defined. Enter the username for the new account here. Enter the password for the new account here. Select the group for the new account here. Options to choose from are Manager and Guest. Guest accounts will have limited access.	Advanced Settings Performance Wireless Resource Muti-SSID VLAN Schedule Repoofing Prevention Bandwidth Optimization Captive Portal Login Page Upload WEB Redirection UPC Server Filters Filters Status	Encryption Type Username/Password ✓ Username/Password Settings IP Filter Settings Restricted Subnets (example:192.168.0.0/16) 1. 2. 3. 4. Username/Password Rule Settings Username Password Group Manager ✓ Add Clear Username Group Edit	Delete

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Authentication Settings - Remote RADIUS

Encryption Type:	Select the captive portal encryption type here. Options to choose from are Passcode, Username/ Password, Remote RADIUS, LDAP and POP3. In this section we'll discuss the Remote RADIUS option.	D-Link Home Maintenance DAP-2360 Basic Settings	DAP-23 • • System 2 Logout ® H Captive Portal Authentication	
Remote Radius Type:	Select the remote RADIUS server type here. Currently, only SPAP will be used.	Advanced Settings	Encryption Type Remote RADIUS Remote RADIUS Settings Remote RADIUS Type SPAP Radius Server Settings	
Radius Server:	Enter the RADIUS server's IP address here.		Radius Server Radius Port 1812 Radius Secret	
Radius Port:	Enter the RADIUS server's port number here.	Bandwidth Optimization	Accounting Server Settings Accounting Mode Disable Accounting Server Accounting Port 1813	
Radius Secret:	Enter the RADIUS server's shared secret here.		Accounting Secret	
Accounting Mode:	Select to Enable or Disable the accounting mode here.	⊕ ∰ DHCP Server ⊕ ∰ Filters ⊕ ∰ Traffic Control ⊕ ∰ Status	Captive Profile Edit Delete	
Accounting Server:	Enter the accounting server's IP address here.			
Accounting Port:	Enter the accounting server's port number here.			
Accounting Secret:	Enter the accounting server's shared serect here.			

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Authentication Settings - LDAP

Encryption Type:	Select the captive portal encryption type here. Options to choose from are Passcode, Username/ Password, Remote RADIUS, LDAP and POP3. In this	D-Link Home X Maintenar	ice 🔻 🔚 Configuratio	on 🔻 🍧 System	🖉 Logout	DAP-2360
Server:	section we'll discuss the LDAP option. Enter the LDAP server's IP address or domain name here.	DAP-2360 DAP-2360 Advanced Settings Advanced Settings Performance Witeless Resource Mutti-SSID WLAN	LDAP Settings Server			
Port:	Enter the LDAP server's port number here.	···· 🗟 Intrusion ···· 🗟 Schedule ···· 📄 Internal RADIUS Server		389 Simple 🗸		
Authenticate Mode:	Select the authentication mode here. Options to choose from are Simple and TLS.	ARP Spoofing Prevention Bandwidth Optimization AP Array Captive Portal Authentication Settings	Password Base DN Account Attribute](ou=,dc=)](ex.cn)	
Username:	Enter the LDAP server account's username here.	E Login Page Upload WEB Redirection ⊕ f i b DHCP Server ⊕ fitters	Identity		Auto Copy	
Password:	Enter the LDAP server account's password here.		Captive P	Profile	Edit	Delete
Base DN:	Enter the administrator's domain name here.					
Account Attribute:	Enter the LDAP account attribute string here. This string will be used to search for clients.					
Identity:	Enter the identity's full path string here. Alternatively, select the Auto Copy checkbox to automatically add the generic full path of the web page in the identity field.					

Authentication Settings - POP3

Select the captive portal encryption type here. Options to choose from are Passcode, Username/ Password, Remote RADIUS, LDAP and POP3. In this	D-Link	nce 🔻 🚽 Configuration 👻 💝 System 🖉 Logout	DAP-2360
section we li discuss the POP3 option.	DAP-2360	Captive Portal Authentication	
Enter the POP3 server's IP address or domain name here.	Advanced Settings	Encryption Type POP3 V POP3 Settings Server	
Enter the POP server's port number here.		Port 110 Connection Type None	
Select the connection type here. Options to choose from are None and SSL/TLS.	Bandwidth Optimization AP Array Captive Portal Authentication Settings Cogin Page Upload WEB Redirection DHCP Server Filters	Captive Profile Edit	Add
	Password, Remote RADIUS, LDAP and POP3. In this section we'll discuss the POP3 option. Enter the POP3 server's IP address or domain name here. Enter the POP server's port number here. Select the connection type here. Options to choose	Password, Remote RADIUS, LDAP and POP3. In this section we'll discuss the POP3 option. Enter the POP3 server's IP address or domain name here. Enter the POP server's port number here. Select the connection type here. Options to choose from are None and SSL/TLS.	Password, Remote RADIUS, LDAP and POP3. In this section we'll discuss the POP3 option. Enter the POP3 server's IP address or domain name here. Enter the POP server's port number here. Select the connection type here. Options to choose from are None and SSL/TLS. Select the connection type here. Options to choose from are None and SSL/TLS.

E Status

Login Page Upload

In this window, users can upload a custom login page picture that will be used by the captive portal feature. Click the Browse button to navigate to the image file, located on the managing computer and then click the Upload button to initiate the upload.

Upload picture from file:

In this field the path to the image file, that will be uploaded, will be displayed. Alternatively, the path can be manually entered here.

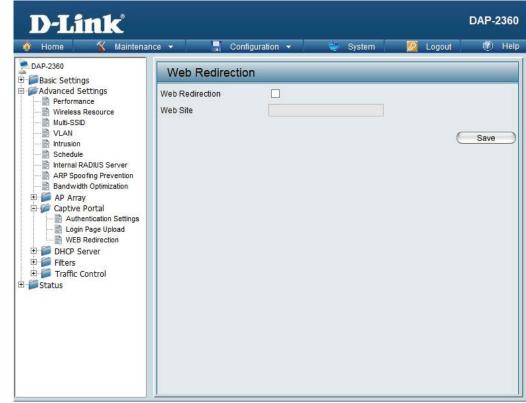
D-Link [®]		DAP-2360
🔶 Home 🥳 Maintena	nce 🗸 🔚 Configuration 👻 👾 System 🛛 🖉 Logout	🕐 Help
DAP-2360	Captive Portal Authentication	
Advanced Settings Advanced Settings Advanced Settings Muti-SSID Muti-SSID NLAN Intrusion Schedule Advanced RADIUS Server ARP Spoofing Prevention	Encryption Type Username/Password Username/Password Settings IP Filter Settings Restricted Subnets (example:192.168.0.0/16) 1. 2. 3. 4. Username/Password Rule Settings	
Bandwidth Optimization Captive Portal Captive Portal Captiv	Username Password Group Manager Add Clear Username Group Edit	Delete
⊞-		Add
	Captive Profile Edit	Delete

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Web Redirection

In this windows, users can view and configure the Web redirection settings for the captive portal hosted by this access point. Wireless clients will be redirected to this web site prior and after authentication. Click the Save button to accept the changes made.

Web Redirection:	Select this checkbox to enable the Web redirection feature.	D-
Web Site:	Enter the destination web site's address here.	DAP-236
		Advar



DHCP Server Dynamic Pool Settings

The DHCP address pool defines the range of the IP address that can be assigned to stations in the network. A Dynamic Pool allows wireless stations to receive an available IP with lease time control. If needed or required in the network, the DAP-2360 is capable of acting as a DHCP server.

Function En- able/Disable:	Dynamic Host Configuration Protocol (DHCP) assigns dynamic IP addresses to devices on	D-Link		-	100000000	DAP-2360
IP Assigned From:	· · · · · · · · · · · · · · · · · · ·	Home Maintenanc DAP-2380 Basic Settings Wireless LAN Performance Wireless Resource Wireless Resource Mutti-SSID VLAN Intrusion Schedule Intrusion Intrusi	Dynamic Pool Settings DHCP Server Control Function Enable/Disable Dynamic Pool Settings IP Assigned From The Range of Pool (1-254) Subnet Mask Gateway	System Disable ▼ 192.168.0.20 235 235 255.255.255.0	2 Logout	Help
From: The Range of Pool (1-254): Subnet Mask:	on your network. Enter the number of IP addresses available for assignment. IP addresses are increments of the IP address specified in the "IP Assigned From" field. All devices in the network must have the same subnet mask to communicate. Enter the submask for the network here.	Internal RADIUS Server ARP Spoofing Prevention Bandwidth Optimization AP Array Captive Portal Authentication Settings Use Redirection DHCP Server Dynamic Pool Settings Static Pool Settings Current IP Mapping List Filters Filters Status	WINS DNS Domain Name Lease Time (60 - 31536000 sec)	dlink-ap	C	Save
Gateway: WINS:	Enter the IP address of the gateway on the network. Specify the Windows Internet Naming Service (W the IP address of a network computer that has a d			WINS is a sys	stem that de	etermines

DNS:	Enter the IP address of the Domain Name System (DNS) server. The DNS server translates domain names such as www.dlink. com into IP addresses.
Domain Name:	Enter the domain name of the network, if applicable. (An example of a domain name is: www.dlink.com.)
Lease Time (60-31536000 sec):	The lease time is the period of time before the DHCP server will assign new IP addresses.

Static Pool Setting

The DHCP address pool defines the range of IP addresses that can be assigned to stations on the network. A static pool allows specific wireless stations to receive a fixed IP without time control.

Function En- able/Disable:	Dynamic Host Configuration Protocol (DHCP) assigns IP addresses to wireless devices on	D-Link				DAP-2360
Assigned IP:	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 Enable to allow the DAP-2360 to function as a DHCP server. Use the Static Pool Settings to assign the same	Home Maintenance DAP-2360 Basic Settings Basic Settings LAN IPv6 Advanced Settings Performance Wireless Resource Multi-SSID VLAN Intrusion Schedule	E - Configuration - Static Pool Settings DHCP Server Control Function Enable/Disable Static Pool Setting Host Name Assigned IP Assigned MAC Address Subnet Mask	System Disable ↓	Logout	
	IP address to a device every time you start up. 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 Save ; the device will appear in the Assigned Static Pool at the bottom of the screen. You can edit or delete the device in this list.	Schedule Internal RADIUS Server ARP Spoofing Prevention Bandwidth Optimization Captive Portal Captive Portal Captive Portal Captive Portal Cugin Page Upload WEB Redirection CHCP Server DHCP Server DHCP Server Current IP Mapping List Current IP Mapping List Current IP Mapping List Current IP Mapping List Current IP Mapping List	Gateway WINS DNS Domain Name Host Name MAC Address	dink-ap	Address Edit	Save Delete
Assigned MAC Address:	Enter the MAC address of the device requesting association here.					
Subnet Mask:	Define the submask of the IP address specified in	the "IP Assigned From"	ífield.			

Gateway:	Specify the Gateway address for the wireless network.
WINS:	Specify the Windows Internet Naming Service (WINS) server address for the wireless network. WINS is a system that determines the IP address of a network computer with a dynamically assigned IP address, if applicable.
DNS:	Enter the Domain Name System (DNS) server address for the wireless network. The DNS server translates domain names such as www.dlink.com into IP addresses.
Domain Name:	Specify the domain name for the network.

Current IP Mapping List

This window displays information about the current assigned DHCP dynamic and static IP address pools. This information is available when you enable DHCP server on the AP and assign dynamic and static IP address pools.

Current DHCP Dynamic Profile:	These are IP address pools the DHCP server has assigned using the dynamic pool setting.	D-Link Maintenanc	e 👻 💽 Configuration 👻	DAP-2360
Host Name:	The host name of a device on the network that is assigned an IP address from the DHCP dynamic pool.	DAP-2360 Basic Settings Wireless LAN DIVA Advanced Settings Performance	Current IP Mapping List Current DHCP Dynamic Pools Host Name Binding MAC Address Current DHCP Static Pools	Assigned IP Address Lease Time
Binding MAC Address:	The MAC address of a device on the network that is assigned an IP address from the DHCP dynamic pool.	Wireless Resource Wireless Resource Wuti-SSID VLAN Intrusion Intrusion RAPDIUS Server ARP Spoofing Prevention Bandwidt Optimization	Host Name Binding MAC Address	Assigned IP Address
Assigned IP Address:	The current corresponding DHCP-assigned IP address of the device.	AP Array Captive Portal Captive Portal Captive Portal Cogin Page Upload WEB Redirection		
Lease Time:	The length of time that the dynamic IP address will be valid.	HCP Server Dynamic Pool Settings Static Pool Settings Current IP Mapping List		
Current DHCP Static Pools:	These are the IP address pools of the DHCP server assigned through the static pool settings.	E Status		
Host Name:	The host name of a device on the network that is assigned an IP address from the DHCP dynamic po	ol.	<u> </u>	
Binding MAC Address:	The MAC address of a device on the network that is	s within the DHCP stat	tic IP address pool.	
Assigned IP Address:	The current corresponding DHCP-assigned static IF	Paddress of the device	e.	

Filters Wireless MAC ACL

Wireless Band:	Displays the current wireless band rate.	D-Link	DAP-23	360
Access Control List:	Select Disable to disable the filters function.	🔮 Home 🥤 Maintenan	ice - 🚽 Configuration - 😜 System 🛛 🖉 Logout 🛞	Help
MAC Address: MAC Address List:	Select Accept to accept only those devices with MAC addresses in the Access Control List. All other devices not on the list will be rejected. Select Reject to reject the devices with MAC addresses on the Access Control List. All other devices not on the list will be accepted. Enter each MAC address that you wish to include in your filter list, and click Add. When you enter a MAC address, it appears in this list. Highlight a MAC address and click Delete to		Wireless Band 2.4GHz Access Control List Disable MAC Address : : ID MAC Address Delete Oelete Current Client Information MAC Address MAC Address SSID Band Authentication Signal Add	
	remove it from this list.	Wireless MAC ACL WLAN Partition Traffic Control Status	Upload ACL File	
Upload ACL File:	You may create an ACL list and upload it to the access point instead of manually entering the information. Once created, click the Browse button and locate your file. Select it and then click Upload .		Upload File : Upload Download ACL File Load ACL File to Local Hard Driver : Save	
Download ACL File:	Click Download to export the ACL to a file on your computer.			

WLAN Partition

Wireless Band:	Displays the current wireless band rate.	D-
Link Integrity:	Select Enable or Disable.	🔶 Home
Ethernet to WLAN Access:	The default is Enable . When disabled, all data from the Ethernet to associated wireless devices will be blocked. Wireless devices can still send data to the Ethernet.	DAP-238
Internal Station Connection:	The default value is Enable , which allows stations to inter-communicate by connecting to a target AP. When disabled, wireless stations cannot exchange data through the AP.	

		on 🛨	👙 System	🖉 Logout	۲	Hel
DAP-2360	WLAN Partition					
Hasic Settings Wireless LAN Performance Wireless Resource Multi-SSID VLAN Intrusion Schedule Internal RADIUS Server ARP Spoofing Prevention Bandwidth Optimization AP Array Captive Portal Authentication Settings Login Page Upload WEB Redirection DHCP Server Dynamic Pool Settings Static Pool Settings Current IP Mapping List Filters	Wireless Band Link Integrity Ethernet to WLAN Access Internal Station Connection Primary SSID Multi-SSID 1 Multi-SSID 2 Multi-SSID 3 Multi-SSID 4 Multi-SSID 6 Multi-SSID 7	2.4GHz ▼ Disable ▼ Enable ♥ © Enable © Enable © Enable © Enable © Enable © Enable © Enable	 Disable Disable Disable Disable Disable Disable Disable Disable Disable 	Guest mode	Save	

Traffic Control Uplink/Downlink Settings

The uplink/downlink setting allows users to customize the downlink and uplink interfaces including specifying downlink/uplink bandwidth rates in Mbits per second. These values are also used in the QoS and Traffic Manager windows. Once the desired uplink and downlink settings are finished, click the Save button to let your changes take effect.

Downlink Bandwidth:	The downlink bandwidth in Mbits per second.	D-Link		DAP-2360
Bandwidth: Uplink Bandwidth:	Uplink Bandwidth: The uplink bandwidth in Mbits per second.	Mome Maintenar DAP-2360 Basic Settings Basic Settings Advanced Settings Performance Wireless Resource Mult-SSID VLAN Intrusion Schedule Intrusion Bandwidth Optimization Bandwidth Optimization AP Array Email Captive Portal DHCP Server Filters Email VLAN DHCP Server Filters Traffic Control QoS Traffic Manager Status	Uplink and Downlink Setting Ethernet Downlink Downlink Interface Primary-ssid Multi-ssid1 Multi-ssid4 Multi-ssid5 Multi-ssid4 Multi-ssid5 WDS1 WDS2 WDS5 WDS6 Uplink Interface Primary-ssid Multi-ssid1 Multi-ssid4 Multi-ssid1 WDS5 WDS6 WDS1 WDS2 WDS1 WDS2 WDS1 WDS2 WDS1 WDS2 WDS5 WDS6 WDS5 WDS7 Downlink Bandwidth(1~300) 100	

QoS

Quality of Service (QoS) enhances the experience of using a network by prioritizing the traffic of different applications. A QoS Rule identifies a specific message flow and assigns a priority to that flow. For most applications, the priority classifiers ensure the right priorities and specific QoS Rules are not required. QoS supports overlaps between rules. If more than one rule matches a specific message flow, the rule with the highest priority will be used.

QoS (Quality of Service):	Enable this option if you want to allow QoS to prioritize your traffic Priority Classifiers.	D-Link Maintenance	e 🕶 📕
HTTP:	Allows the access point to recognize HTTP transfers for many common audio and video streams and prioritize them above other traffic. Such streams are frequently used by digital media players.	DAP-2360 DAP-2360 DAP-2360 Advanced Settings Advanced Settings Wireless Resource Multi-SSID VLAN Nulti-Ssin Schedule	QoS Enable QoS Advanced Qo Downlink Bandwidt Uplink Bandwidth ACK/DHCP/ICMP/I
Automatic:	When enabled, this option causes the access point to automatically attempt to prioritize traffic streams that it does not otherwise recognize, based on the behavior that the streams exhibit. This acts to de-prioritize streams that exhibit bulk transfer characteristics, such as file transfers, while leaving interactive traffic, such as gaming or VoIP, running at a normal priority.	ARP Spoofing Prevention ARP Spoofing Prevention ARP Spoofing Prevention AP Array Captive Portal Captive Portal Filters Filters Cuplink/Downlink Settings Uplink/Downlink Settings Status	Web Traffic Priority Web Traffic Priority Mail Traffic Priority Etp Traffic Priority User Defined-1 Pri User Defined-2 Pri User Defined-3 Pri User Defined-4 Pri Other Traffic Prior

DAP-2360 Basic Settings	QoS							
Settings Advanced Settings Performance	Enable QoS							
Wireless Resource	Advanced QoS							
Wulti-SSID	Downlink Bandwidth	100 Mbits/sec						
Intrusion	Uplink Bandwidth	100 Mbits	s/sec					
Schedule Schedule Internal RADIUS Server ARP Spoofing Prevention	ACK/DHCP/ICMP/DNS Priority	Highest Priority	✓ Lin	nit 100	% Port	53,67	,68,546,547	
Bandwidth Optimization	Web Traffic Priority	Third Priority	✓ Lin	nit 100	% Port	80,44	3,3128,8080	
	Mail Traffic Priority	Second Priority	✓ Lin	nit 100	% Port	25,11	0,465,995	
DHCP Server Filters	Ftp Traffic Priority	Low Priority	✓ Lin	nit 100	% Port	20,21		
E Traffic Control	User Defined-1 Priority	Highest Priority	✓ Lin	nit 100	% Port	0	- 0	
Uplink/Downlink Settings QoS	User Defined-2 Priority	Second Priority	✓ Lin	nit 100	% Port	0	- 0	
Traffic Manager	User Defined-3 Priority	Third Priority	✓ Lin	nit 100	% Port	0	- 0	
- Status	User Defined-4 Priority	Low Priority	✓ Lin	nit 100	% Port	0	- 0	
	Other Traffic Priority	Low Priority	✓ Lin	nit 100	%			

Traffic Manager

The traffic manager feature allows users to create traffic management rules that specify how to deal with listed client traffic and specify downlink/ uplink speed for new traffic manager rules. Click the Save button to let your changes take effect.

Traffic Manager:	Use the drop-down menu to Enable the traffic manager feature.	D-Link
Unlisted Client Traffic:	Select Deny or Forward to determine how to deal with unlisted client traffic.	DAP-2360 DAP-23
Downlink Bandwidth:	The downlink bandwidth in Mbits per second. This value is entered in the Uplink/Downlink Setting window.	Multi-SSID Multi-SSID VLAN Schedule ARP Spoofing Prevent Bandwidth Optimizatio
Uplink Bandwidth:	Uplink Bandwidth:The uplink bandwidth in Mbits per second. This value is entered in the Uplink/Downlink Setting window.	AP Array Captive Portal Captive Portal Captive Portal Captive Portal Filters Filters Traffic Control Qos

DAP-2360	Traffic Manage	r			
DAP-2360 Basic Settings Advanced Settings Performance Wireless Resource Vireless Resource Vireless Resource Vireless Resource Vireless Resource Nuth-SSID VLAN Intrusion Schedule Internal RADIUS Server ARP Spoofing Prevention Bandwidth Optimization Captive Portal Captive Portal Captive Portal Filters Captive Portal Uplink/Downlink Settings Qos Traffic Control Vlank Settings Status	Traffic Manager Unlisted Clients Traffic Downlink Bandwidth Uplink Bandwidth Add Traffic Manag Name Client IP(optional) Client MAC(optional) Downlink Speed Uplink Speed	Disable V Deny © Forw 100 Mbits/sec 100 Mbits/sec er Rule Mbits/sec Mbits/sec			
	Name Client	: 1P Client	MAC Down	llink Speed Uplink Sp	eed Edit Del Save

Status Device Information

Device This read-only window displays the configuration Information: settings of the DAP-2360, including the firmware version and the device's MAC address.

🕽 Home 🕺 Maintenar	nce 👻 📙 Configura	tion 👻 🐳 System 🛛 🖉 Logout	🕐 Helj
DAP-2360	Device Information		
Basic Settings Advanced Settings Advanced Settings Performance Wireless Resource Multi-SSID VLAN Intrusion Schedule Internal RADIUS Server ARP Spoofing Prevention Bandwidth Optimization AP Array Captive Portal DHCP Server Filters Filters Traffic Control Uplink/Downlink Settings	Ethernet MAC Address: Wireless MAC Address:	Firmware Version:2.00 c4:a8:1d:90:5d:18 Primary: c4:a8:1d:90:5d:18 2005 4 7: c4:a8:1d:90:5d:18	
	Ethernet	SSID 1~7: c4:a8:1d:90:5d:19 ~ c4:a8:1d:90:5d:1	II
	IP Address	192.168.0.50	
	Subnet Mask	255 255 255 0	
	Gateway	N/A	
	DNS		
	Wireless (2.4GHz)		
	Network Name (SSID)	dlink	
	Channel	11	
QoS	Data Rate	Auto	
Status	Security	None	
Device Information	AP Array		
Client Information	AP Array	d-link	
	Role	Slave	
Statistics Log	Location		
Log	Device Status		
	CPU Utilization	1%	
	Memory Utilization	52%	
	Central WiFiManager		
	Connection Status	Disconnect	
	Server IP		
	Service Port		
	Live Port		
	Group ID		

Client Information

Client Information: This window displays the wireless client information for clients currently connected to the DAP-2360.

The following information is available for each client communicating with the DAP-2360.

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

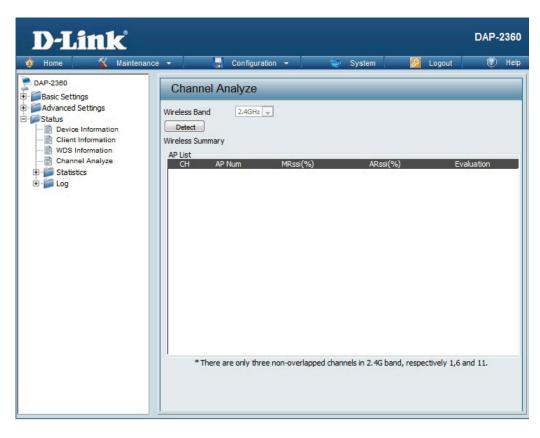


Channel Analyze

Wireless Band : Select 2.4GHz in default.

Detect : Click the Detect button to scan.

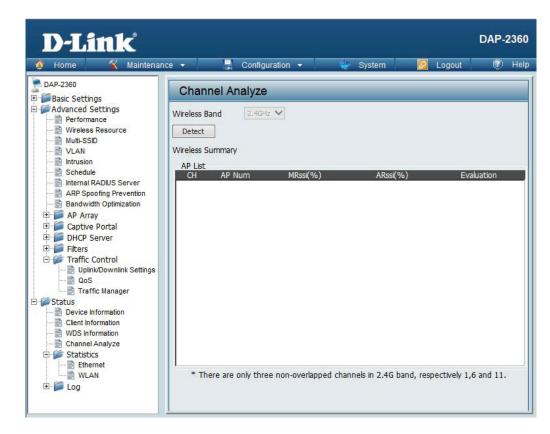
AP List : This will list the transmitting channels and quality.



WDS Information

Wireless Band:	Select 2.4GHz in default.
Detect:	Click the Detect button to scan.

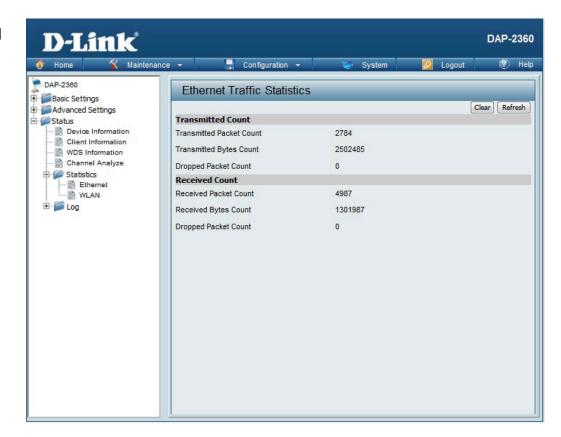
AP List: This will list the transmitting channels and quality.



Stats Ethernet

Ethernet Traffic
Statistics:

This page displays transmitted and received
 count statistics for packets and bytes.



WLAN Traffic

WLAN Traffic Statistics:

This page displays wireless network statistics for data throughput, transmitted and received frames, and frame errors.

🛊 Home 🛣 Maintei	nance 👻 🚽 Configuration 👻	💝 System	💋 Logout	🕐 He
DAP-2360 Basic Settings	WLAN Traffic Statistics			
			C	lear Refresh
Status	Transmitted Count			
Device Information Device Information	Transmitted Packet Count	1118		
WDS Information Channel Analyze Statistics WLAN WLAN Composition WLAN	Transmitted Bytes Count	342732		
	Dropped Packet Count	3325		
	Transmitted Retry Count	0		
	Received Count			
	Received Packet Count	0		
	Received Bytes Count	0		
	Dropped Packet Count	0		
	Received CRC Count	0		
	Received Decryption Error Count	0		
	Received MIC Error Count	0		
	Received PHY Error Count	0		
	Contraction deleteration to a			

Log View Log

View Log: The AP's embedded memory displays system and network messages including a time stamp and message type. The log information includes but is not limited to the following items: cold start AP, upgrading firmware, client associate and disassociate with AP, and web login. The web page holds up to 500 logs.

🔮 Home 🤺 Mainte	enance 👻 🚽 Configu	iration 👻	🏐 System 💋 Logout	🕐 He		
DAP-2380	View Log	Previous N	ext] Clear]			
Status	Page 1 of 1					
WDS Information	Time	Priority	Message			
Channel Analyze	Uptime 0 day 00:29:31	[SYSACT]	Web login success from 192.168.0.100			
E 📁 Statistics	Uptime 0 day 00:27:33	[SYSACT]	Web logout from 192.168.0.100			
Ethernet	Uptime 0 day 00:26:57	[Wireless]	Association Success:STA 04:FE:31:D5:08:06			
E C	Uptime 0 day 00:26:17	[Wireless]	Association Success:STA 04:FE:31:D5:08:06	1:D5:08:06		
View Log	Uptime 0 day 00:25:38	[Wireless]	Association Success:STA 04:FE:31:D5:08:06	1:D5:08:06		
Log Settings	Uptime 0 day 00:23:51	[Wireless]	Association Success:STA 04:FE:31:D5:08:06			
	Uptime 0 day 00:20:34	[SYSACT]	Web login success from 192.168.0.100			
	Uptime 0 day 00:19:47	[SYSACT]	Web logout from 192, 168, 0, 100			
	Uptime 0 day 00:08:31	[SYSACT]	Web login success from 192.168.0.100			
	Uptime 0 day 00:08:10	[SYSACT]	Web logout from 192, 168, 0, 100			
	Uptime 0 day 00:05:08	[SYSACT]	Web login success from 192, 168.0, 100			
	Uptime 0 day 00:00:30	[Wireless]	Initiate Wireless ath0 success			
	Uptime 0 day 00:00:13	[Notice]	Ethernet ETH0 LINK UP			
	Uptime 0 day 00:00:08	[SYSACT]	AP cold start			

Log Settings

Log Server/IP Address:	Enter the IP address of the server you would like to send the DAP-2360 log to.	D-Link			DAP-2360
Log Type:	Check the box for the type of activity you want to log. There are three types: System Activity,	Home Maintens	Log Settings	n 🕶 🦤 System 🛛 💋 Lo	gout 🕐 Help
Email Notification:	Wireless Activity, and Notice. Check to enable Email notification.	Status Status Client Information Client Information WDS Information Channel Analyze Statistics	Log Server / IP Address Log Type	 System Activity Wireless Activity 	
Outgoing Mail Server (SMTP):	Select the SMTP server from the drop-down menu.	Ethernet WLAN	Email Notification Email Notification	Notice Enable	
Authentication:	Check to enable authentication.		Outgoing mail server (SMTP) Authentication	Internal 👻	
SSL/TLS:	Check to enable SSL/TLS authentication.		SSL/TLS From Email Address To Email Address	Enable	
From Email Address:	Enter the "From" email address.		Email Server Address SMTP Port User Name		
To Email Address:	Enter the destination email address.		Password Confirm Password		
Email Server Address:	Enter the Email Server Address.		Email Log Schedule Schedule	0	
SMTP Port:	Enter the SMTP port.				Save
Username:	Enter your email username.				
Password:	Enter your email password.				
Confirm Password:	Enter your email password again.				
Schedule:	Select when to send the log to your email (in hours). You will receive an email when the log is full too.				

Maintenance Administration Settings

Check one or more of the five main categories to display the various hidden administrator parameters and settings displayed on the next five pages.

D-Link		DAP-2360
🛕 Home 🤺 Maintenar	ice 👻 🔚 Configuration 👻 🐳 System 💋 Logout	🕐 Help
DAP-2360 Basic Settings Advanced Settings Vireless Resource Multi-SSID VLAN Intrusion Schedule Internal RADIUS Server ARP Spoofing Prevention Bandwidth Optimization AP Array Captive Portal DHCP Server Filters Traffic Control Uplink/Downlink Settings Cos Traffic Manager Status Device Information Channel Analyze Statistics Ethernet VLAN Cog VLAN	Administration Settings Limit Administrator System Name Settings Login Settings Console Settings SNMP Settings Ping Control Setting Central WiFiManager Setting	Save

Limit Administrator

Each of the five main categories display various hidden administrator parameters and settings.

Limit Administrator VLAN ID:	Check the box provided and the enter the specific VLAN ID that the administrator will be allowed to log in from.	D-Link Maintenan	DAP-2360 ce 🔹 📕 Configuration 🔹 👙 System 🛛 🙋 Logout 🛛 🛞 Help
Limit Administrator IP: IP Range:	Check to enable the Limit Administrator IP address. Enter the IP address range that the administrator will be allowed to log in from and then click the Add button.		Administration Settings Limit Administrator VLAN ID Limit Administrator VLAN ID Enable IP Range From: To: Add Item From To Delete System Name Settings Login Settings SNMP Settings SNMP Settings Ping Control Setting

Save

System Name:

Location:

System Name Settings

The name of the device. The default name is D-Link DAP-2360 .	D-Link	DAP-2360
The physical location of the device, e.g. 72nd Floor, D-Link HQ.	Home Maintenance DAP-2360 Basic Settings Performance Wireless Resource Muti-SSD VLAN Schedule Internal RADIUS Server Schedule Internal RADIUS Server AP Array Captive Portal Pilers DHC Server Filters Uplink/Downlink Settings Oos Traffic Control Uplink/Downlink Settings Console Settings Pring Control Setting Pring Control Setting Central WiFiManager Setting Visitics Ethernet WAN Van Vois Information Client Information Console Settings	Logout Help Logout Save

Login Settings

Login Name:	Enter a user name. The default is admin .	D-Link	DAP-2360
Old Password:	When changing your password, enter the old password here.	Home Maintenan DAP-2360 Basic Settings Advanced Settings B-Status	Administration Settings Limit Administrator
New Password:	When changing your password, enter the new password here. The password is case-sensitive. "A" is a different character than "a." The length should be between 0 and 12 characters.		System Name Settings Login Settings Image: Constraint of the system of the s
Confirm Password:	Enter the new password a second time for confirmation purposes.		Console Settings SNMP Settings Ping Control Setting Central WiFiManager Setting Save

Console Settings

Status:	Status is enabled by default. Uncheck the box to disable the console.	D-Link Home Maintenar	DAP-2360 Ice 🔻 📮 Configuration 👻 😂 System 💋 Logout 🛞 Help
Console Protocol:	Select the type of protocol you would like to use, Telnet or SSH .	DAP-2360 Basic Settings Advanced Settings Constraints Constraints DAP-2360 DAP-2	Administration Settings
Timeout:	Set to 1 Min, 3 Mins, 5 Mins, 10 Mins, 15 Mins or Never .		System Name Settings ■ Login Settings ■ Console Settings ☑
			Status Console Protocol Timeout SNMP Settings
			Ping Control Setting Central WiFiManager Setting
			Save

SNMP Settings

Status:	Check the box to enable the SNMP functions. This option is disabled by default.	D-Link Maintenar	DAP-2360 nce 👻 🌉 Configuration 👻 💝 System 🛛 👰 Logout 🛛 🕐 Help
Public Community String:	Enter the public SNMP community string.	DAP-2360 Basic Settings Advanced Settings Status	Administration Settings Limit Administrator System Name Settings
Private Community String:	Enter the private SNMP community string.		Login Settings Console Settings
Trap Status:	Check the box to enable Trap Status.		SNMP Settings Status Enable
Trap Server IP:	Enter the Trap Server IP address.		Public Community String public Private Community String private Trap Status Enable Trap Server IP

Central WiFiManager Settings

The Central WiFiManager section is used to configure and manage a set of APs on the Internet into a single group in order to increase ease of management. Central WiFiManager and AP Array are mutually exclusive functions.

Enable CentralSelect to enable or disable the CentralWiFiManager:WiFiManager.

D-Link		DAP-2360
🛕 Home 🤺 Maintenan	ce 👻 📑 Configuration 👻 👙 System 💋 Logout	🕐 Help
Advanced Settings	Administration Settings Limit Administrator System Logout System Name Settings Image: Console Settings Image: Console Settings Console Settings Image: Console Settings Image: Console Settings SNMP Settings Image: Control Setting Image: Control Setting Ping Control Setting Image: Control Setting Image: Control Setting Enable Central WiFiManager Image: Disable Image: Control Setting	

1

Firmware and SSL Certification Upload

This page allows the user to perform a firmware upgrade. A Firmware upgrade is a function that upgrade the running software used by the access point. This is a useful feature that prevents future bugs and allows for new features to be added to this product. Please go to your local D-Link website to see if there is a newer version firmware available.

Upload Firmware From Local Hard Drive: Language Pack Upgrade:	above the file location field. After downloading the most recent version of firmware for the DAP-2360 from http://support.dlink.com to your local computer, use the Browse button to locate the firmware file on your computer. Click Upload to update the firmware version. Please don't turn the power off while upgrading.	DeLink Maintenan	DAP-2360 Ace Configuration System Could Configuration Could Configuration Could Configuration Could Configuration Could Configuration Could
Upload SSL Certification From Local Hard Drive:	Click Browse to locate the SSL Certification file on your local computer. After selecting and opening the file, click Upload to upload the file to the DAP-2360.		

Configuration File Upload

Upload File:	Click the Browse button to locate a previously saved configuration file on your local computer.	D-Link	DAP-2360
Download Configuration File:	After selecting the file, click Upload to apply the configuration settings to the DAP-2360. Click Download to save the current DAP-2360 configuration to your local computer. Note that if you save one configuration with the administrator's password now, after resetting your DAP-2360, and then updating to this saved configuration file, the password will be gone.	Home Maintenar DAP-2380 DAP-2380 Wireless LAN Advanced Settings Advanced Settings VLAN VLAN Schedule QoS AP Array ARP Spoofing Prevention DHCP Server Dynamic Pool Settings Current IP Mapping List Filters Current IP Mapping List Filters WLAN Partition Status Device Information Stats Device Information Stats Device Information Stats WLAN Current IP Mapping List Current IP Mapping List Curre	Noe Configuration Configuration File Upload and Download Upload Configuration File Upload File : Browse Upload Download Configuration File Load Settings to Local Hard Drive Download

Log Settings

1

Time and Date

Current Time:	Displays the current time and date settings.	D-Link		DAP-2360
Enable NTP Server:	Check to enable the AP to get system time from an NTP server.	Home Maintenance	e - Configuration	
NTP Server:	Enter the NTP server URL or IP address.	Wireless LAN Pv6 Advanced Settings	Time Configuration Current Time	01/01/1970 00:04:33
Time Zone:	Use the drop-down menu to select your correct Time Zone.	⊕- j Status	Automatic Time Conf Enable NTP Server NTP Server	Intp 1. dlink.com
Enable Daylight Saving:	Check the box to Enable Daylight Saving Time.		Time Zone Enable Daylight Saving	(GMT-08:00) Pacific Time (US & Canada); Tijuana 🔹
Daylight Saving Dates:	Use the drop-down menu to select the correct Daylight Saving offset.		Daylight Saving Dates	DST Start Jan v 1st v Sun v 12 am v DST End Jan v 1st v Sun v 12 am v
Set the 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).		Set the Date and Tim Date And Time	e Manually Year 2012 Month Jul Day 26 Hour 18 Minute 40 Second 10 Save
		,		

Configuration and System

These options are the remaining option to choose from in the top menu. Configuration allows the user to save and activate or discard the configurations done. System allows the user to restart the unit, perform a factory reset. Logout allows the user to safely log out from the access point's web configuration. Help allows the user to read more about the given options to configure without the need to consult the manual. The following pages will explain settings found in the configuration and system section in more detail.

🏠 Home 🦷 🔏 Mainte	enance 👻 📙 Cor Save and Activat	nfiguration 👻 🏐 System 🛛 🖉 Logout 👘 I
DAP-2360 Basic Settings	Sy Discard Change	
∭Advanced Settings ∭Status	Model Name	DAP-2360
	Firmware Version	2.00 18:17:06 04/14/2014
	System Name	D-Link DAP-2360
	Location	
	System Time	01/01/1970 00:00:52
	Up Time	0 Days, 00:00:53
	Operation Mode	Access Point
	MAC Address	c4:a8:1d:90:5d:20
	SSID 1~7	c4:a8:1d:90:5d:21 ~ c4:a8:1d:90:5d:27
	IP Address	192.168.0.50

System System Settings

Restart the Device:	Click Restart to restart the DAP-2360.

Restore to FactoryClick Restore to restore the DAP-2360 backDefault Settings:to factory default settings.



Help

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

Basic Settings

Wireless Settings

Allow you to change the wireless settings to fit an existing wireless network or to customize your wireless network.

Wireless Band

Operating frequency band. Choose 2.4GHz for visibility to legacy devices and for longer range.

Mode

Select a function mode to configure your wireless network. Function modes include Access Point, WDS (Wireless Distribution System) with AP, WDS, Wireless Client. Function modes are designed to support various wireless network topology and applications.

Network Name (SSID)

Also known as the Service Set Identifier, this is the name designated for a specific wireless local area network (WLAN). The 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.

SSID Visibility

Indicate whether or not the SSID of your wireless network will be broadcasted. The default value of SSID Visibility is set to "Enable," which allow wireless dients to detect the wireless network. By changing this setting to "Disable," wireless dients can no longer detect the wireless network and can only connect if they have the correct SSID entered.

Auto Channel Selection

If you check Auto Channel Scan, everytime when AP is booting up, the AP will automatically find the best channel to use. This is enabled by default.

Channel

Indicate the channel setting for the DAP-2360. 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.

Channel Width

Allows selection of the channel width you would like to operate in.20 MHz and Auto 20/40MHz allow both 802.11n and non-802.11n wireless devices on your network when the wireless mode is Mixed 802.11 b/g/n in 2.4G.802.11n wireless devices are allowed to transmit data using 40 MHz when the channel width is Auto 20/40 MHz

Authentication

For added security on a wireless network, data encryption can be enabled. There are several available Authentications type can be selected. The default value for Authentication is set to "Open System".

Open System

For Open System authentication, only the wireless clients with the same WEP key will be able to communicate on the wireless network. The Access Point will remain visible to all devices on the network.

Troubleshooting

This chapter provides solutions to problems that can occur during the installation and operation of the DAP-2360. Read the following descriptions if you are having problems. (The examples below are illustrated in Windows[®] XP. If you have a different operating system, the screenshots on your computer will look similar to the following examples.)

1. Why can't I access the web-based configuration utility?

When entering the IP address of the D-Link access point (192.168.0.50 for example), you are not connecting to a website on the Internet nor do you have to be connected to the Internet. The device has the utility built-in to a ROM chip in the device itself. Your computer must be on the same IP subnet to connect to the web-based utility.

• Make sure you have an updated Java-enabled web browser. We recommend the following:

- Microsoft Internet Explorer[®] 7.0 and higher
- Mozilla Firefox 3.5 and higher
- Google[™] Chrome 20 and higher
- Apple Safari 5.0 and higher
- Verify physical connectivity by checking for solid link lights on the device. If you do not get a solid link light, try using a different cable or connect to a different port on the device if possible. If the computer is turned off, the link light may not be on.
- Disable any internet security software running on the computer. Software firewalls such as Zone Alarm, Black Ice, Sygate, Norton Personal Firewall, and Windows[®] XP firewall may block access to the configuration pages. Check the help files included with your firewall software for more information on disabling or configuring it.

Configure your Internet settings:

- Go to Start > Settings > Control Panel. Double-click the Internet Options Icon. From the Security tab, click the button to restore the settings to their defaults.
- Click the **Connection** tab and set the dial-up option to Never Dial a Connection. Click the LAN Settings button. Make sure nothing is checked. Click **OK**.
- Go to the Advanced tab and click the button to restore these settings to their defaults. Click OK three times.
- Close your web browser (if open) and open it.
- Access the web management. Open your web browser and enter the IP address of your D-Link access point in the address bar. This should open the login page for your the web management.
- If you still cannot access the configuration, unplug the power to the access point for 10 seconds and plug back in. Wait about 30 seconds and try accessing the configuration. If you have multiple computers, try connecting using a different computer.

2. What can I do if I forgot my password?

If you forgot your password, you must reset your access point. Unfortunately, this process will change all your settings back to the factory defaults.

To reset the access point, locate the reset button (hole) on the rear panel of the unit. With the access point powered on, use a paperclip to hold the button down for 10 seconds. Release the button and the access point will go through its reboot process. Wait about 30 seconds to access the access point. The default IP address is 192.168.0.50. When logging in, the username is **admin** and leave the password box empty.

Networking Basics

Check your IP address

After you install your network adapter, by default, the TCP/IP settings should be set to obtain an IP address from a DHCP server (i.e. wireless router) automatically. To verify your IP address, please follow the steps below.

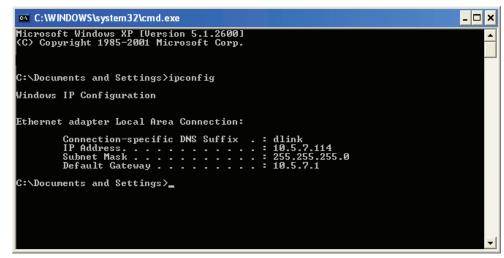
Click on **Start** > **Run**. In the run box type *cmd* and click **OK**.

At the prompt, type *ipconfig* and press Enter.

This will display the IP address, subnet mask, and the default gateway of your adapter.

If the address is 0.0.0.0, check your adapter installation, security settings, and the settings on your router. Some firewall software programs may block a DHCP request on newly installed adapters.

If you are connecting to a wireless network at a hotspot (e.g. hotel, coffee shop, airport), please contact an employee or administrator to verify their wireless network settings.



Statically Assign an IP address

If you are not using a DHCP capable gateway/router, or you need to assign a static IP address, please follow the steps below:

Step 1

Windows[®] 2000: Click on Start > Settings > Control Panel > Network Connections Windows[®] XP: Click on Start > Control Panel > Network Connections Windows Vista[®]: Click on Start > Control Panel > Network and Internet > Network and Sharing Center > Manage network connections

Step 2

Right-click on the Local Area Connection which represents your network adapter and select Properties.

Step 3

Highlight Internet Protocol (TCP/IP) and click Properties.

Step 4

Click **Use the following IP address** and enter an IP address that is on the same subnet as your network or the LAN IP address on your router.

Example: If the router's LAN IP address is 192.168.0.1, make your IP address 192.168.0.X where X is a number between 2 and 99. Make sure that the number you choose is not in use on the network. Set Default Gateway the same as the LAN IP address of your router (192.168.0.1).

Set Primary DNS the same as the LAN IP address of your router (192.168.0.1). The Secondary DNS is not needed or you may D-Link DAP-2360 User Manual 91

enter a DNS server from your ISP.

Step 5

Click **OK** twice to save your settings.

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ly				
192 . 16	58.	0	. 52	1
255.255.			. 0	1
192 . 16	58.	0	. 1	1
natically				
192 . 16	58.	0	. 1	1
				1
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	255 . 2 192 . 16 natically fresses:	255 . 255 . 192 . 168 . matically dresses: 192 . 168 .	255 . 255 . 255 192 . 168 . 0 matically fresses:	fresses: 192 . 168 . 0 . 1

Technical Specifications

Standards

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

Network Management

 Web Browser interface HTTP Secure HTTP (HTTPS) Control W/Filden even

- Central WiFiManagerSNMP Support
- Private MIB • Command Line Interface Telnet Secure SSH Telnet

Data Rates*

For 802.11b: • 11, 5.5, 2, and 1 Mbps For 802.11g: • 54, 48, 36, 24, 18, 12, 9, and 6 Mbps For 802.11n: HT20/HT40 • 144.4/300, 130/270, 117/243, 104/216, 78/162, 66/135, 58.5/121.5, 52/108, 39/81, 26/54, 19.5/40.5, 12/27, and 6.5/13.5 Mbps

Security

- WPA[™] Personal/Enterprise
- WPA2[™] Personal/Enterprise
- 802.1x
- WEP[™] 64-/128-bit
- SSID Broadcast Disable
- MAC Address Access Control

Wireless Frequency Range

• 2.4 to 2.4835 GHz**

Operating Voltage

• 802.3af PoE or 12V/1A

Radio and Modulation Type

For 802.11g/n: BPSK, QPSK, 16QAM, and 64QAM with OFDM For 802.11b: DQPSK, DBPSK, DSSS, and CCK

Operating Frequency**

For 802.11b/g: 2.4 ~ 2.4835 GHz For 802.11n: 2.4 GHz Band: 2.4 ~ 2.4835 GHz

* Maximum wireless signal rate derived from IEEE Standard 802.11g and 802.11n 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 throughput rate. Environmental factors will adversely affect wireless signal range.

Dipole Antenna

• 5dBi Gain @2.4 GHz

Transmit Output Power

• 26dBm @ 2.4GHz

Max Power Consumption

- Max. 8W with 12V/DC
- Max. 9W with PoE

LEDs

- Power
- LAN
- 2.4 GHz

Temperature

- Operating: 0°C to 40°C
- Storing: -20°C to 65°C

Humidity

- Operating: 10%~90% (non-condensing)
- Storing: 5%~95% (non-condensing)

Certifications

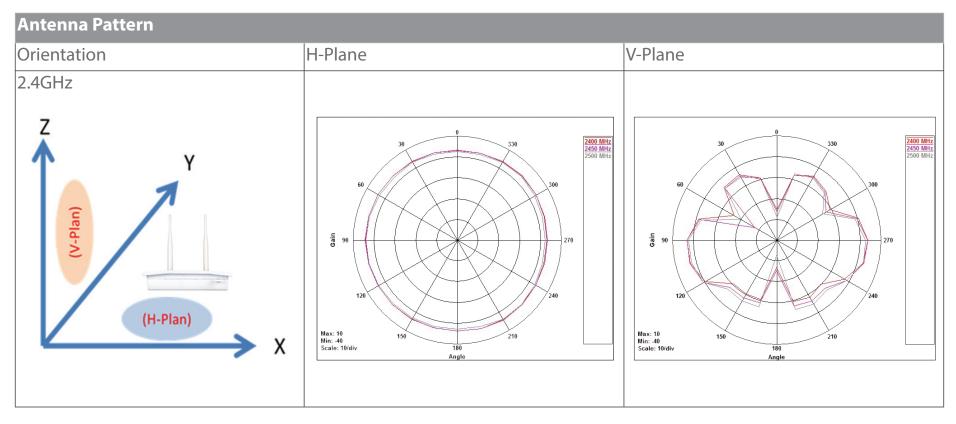
- FCC Class B
- ۰IC
- ۰UL
- WiFi

Dimensions

- L = 188 mm • W = 166 mm
- H = 37 mm

**Please note that operating frequency ranges vary depending on the regulations of individual countries and jurisdictions.

Antenna Pattern



FREE Central WiFiManager Software

With the easy-to-use web-based interface you can...

- Configure once and apply to multiple Access Points
- Install on Windows PC
- Access on any device using a web-browser, e.g. smartphone or notebook
- Utilise user authentication and access control
- Monitor your entire wireless network in real time¹
- Access detailed reports
- Optimise your bandwidth



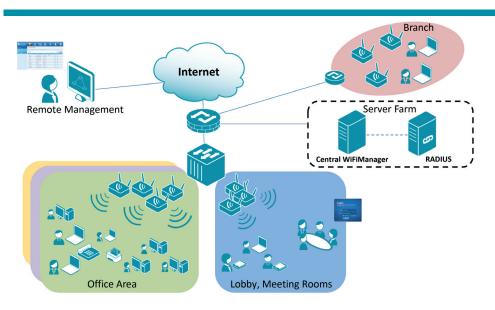
Connect to More www.dlink.com/wifidownload



DOWNLOAD

NOW

FREE Central WiFiManager



Available on the following products²:

DAP-2695

Wireless AC1750 Indoor Access Point Designed to support small to medium business or enterprise environments. Secure, manageable dual-band wireless LAN options.

DAP-2660

Wireless AC1200 Indoor Ceiling Access Point Providing enhanced speeds of Wireless AC as well as dual-band connectivity to reduce

connectivity to reduce interference, for a faster and more efficient network.



DAP-2310

Access Point

deployments.

Wireless N Indoor

Ideal for creating or

expanding capacity of a

wireless network; mainly

used in high-traffic areas

such as airports, coffee

shops, sports venues,

and university campus

DAP-2360

Wireless N PoE Access Point

For advanced indoor installations, this highspeed Access Point has integrated PoE support, allowing installation in areas where power outlets are not readily available.



DAP-2690

Wireless N Simultaneous Dual-Band PoE Access Point

Designed for indoor installation where power outlets are not readily available. Enables deployment of a highly manageable, robust and secure wireless network.



DAP-2330 Wireless N PoE

Access Point Ideal for wireless networks in high- traffic areas such as airports, coffee shops, shopping centres, sporting venues, hotels and campus deployments. PoE offers installation where power outlets are not available.





2. Visit dlink.com for selected Hardware & Software versions.

Connect to More www.dlink.com/wifidownload