

DAP-2620

Version 1.00

**Wireless AC1200
Wave 2 Dual-Band wall-plate PoE AP**

User Manual

Business Class Networking

Package Contents

- DAP-2620 Access Point
- Mounting Plate and Hardware

Note: *Using a power supply with a different voltage rating than the one included with the DAP-2620 will cause damage and void the warranty for this product.*

System Requirements

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

Basic Installation

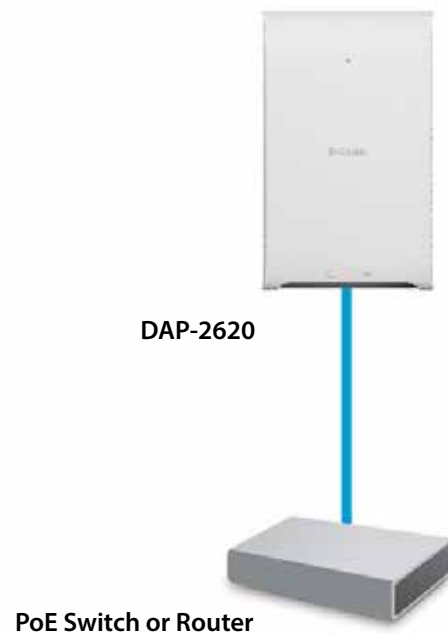
Hardware Setup

To power the access point, you can use one of the following 3 methods:

Method 1 - Use if you have a PoE switch or router.

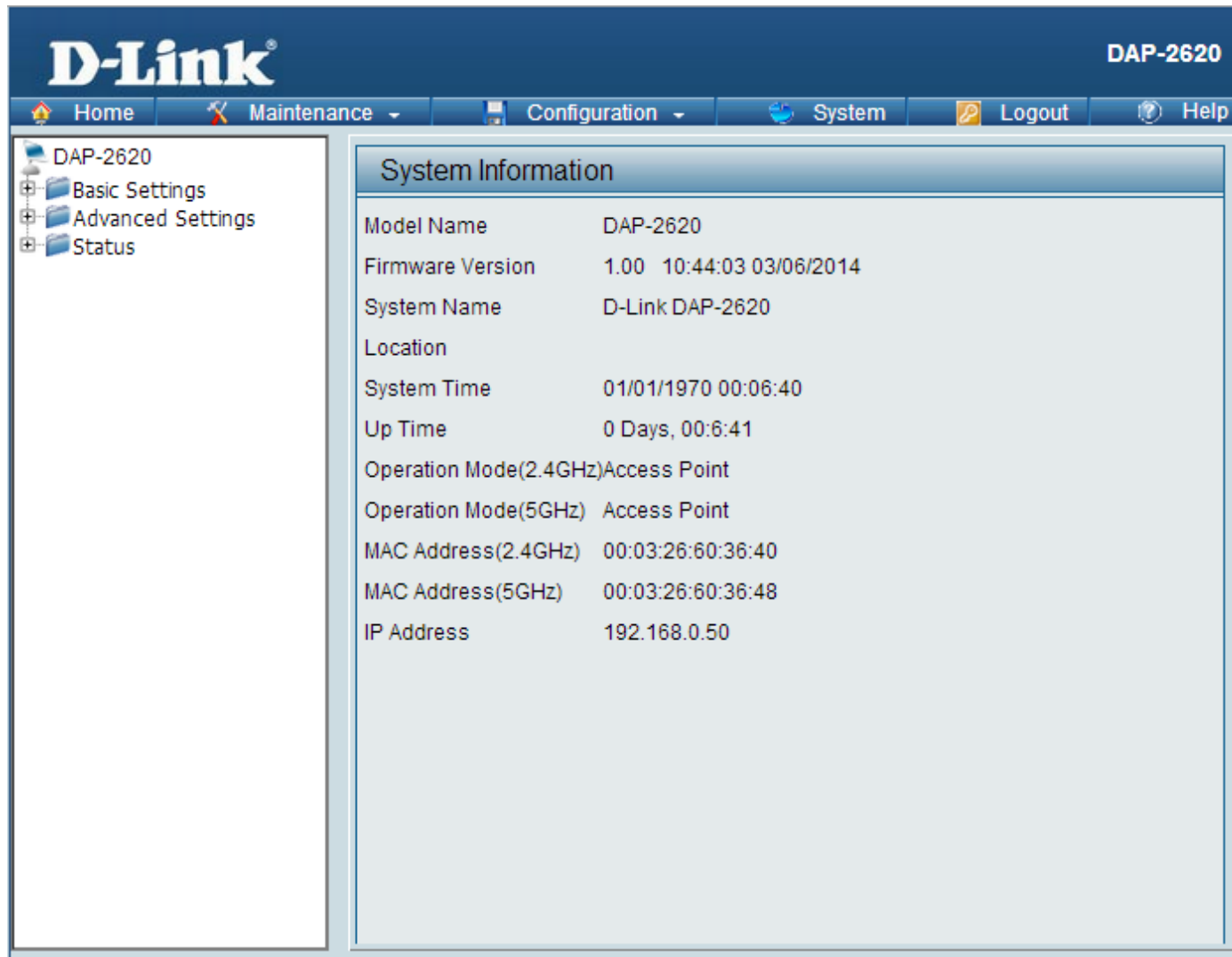
Method 1 - PoE with PoE Switch or Router

1. Connect one end of your Ethernet cable to the LAN (PoE) port on the access point.
2. Connect the other end into one port on a PoE switch or router.



Web User Interface

The DAP-2620 supports an elaborate web user interface where the user can configure and monitor the device. Launch a web browser, type the IP address of the access point (Default setting is <http://192.168.0.50> or <https://192.168.0.50>) and then press Enter to login. Most of the configurable settings are located in the left menu of the web GUI which contains section called **Basic Settings**, **Advanced Settings** and **Status**.



Wireless

On the wireless settings page, you can setup the basic wireless configuration for the access point. The user can choose from 4 different wireless modes:

Access Point - Used to create a wireless LAN

WDS with AP - Used to connect multiple wireless networks while still functioning as a wireless access point

WDS - Used to connect multiple wireless networks

Wireless Client - Used when the access point needs to act as a wireless network adapter for an Ethernet enabled device

Access Point Mode

Wireless Band: Select either **2.4 GHz** or **5 GHz** from the drop-down menu.

Mode: Select **Access Point** 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. The SSID can be up to 32 characters and is case-sensitive.

SSID Visibility: Select **Enable** to broadcast the SSID across the network, thus making it visible to all network users. Select **Disable** to hide the SSID from the network.

Auto Channel Selection: This feature when enabled automatically selects the channel that provides the best wireless performance. The channel selection process only occurs when the AP is booting up. To manually select a channel, set this option to Disable and select a channel from the drop-down menu.



Channel: To change the channel, first toggle the *Auto Channel Selection* setting to **Disable**, and then use the drop-down menu to make the desired selection.

Note: *The wireless adapters will automatically scan and match the wireless settings.*

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 or 802.11a wireless devices on your network.

Authentication: Use the drop-down menu to choose **Open System**, **Shared Key**, **WPA-Personal**, **WPA-Enterprise**, or **802.1x**.

- Select **Open System** to communicate the key across the network (WEP).
- 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** if your network is using port-based Network Access Control.

WDS with AP Mode

Wireless Band: Select either 2.4GHz or 5GHz from the drop-down menu.

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: All devices on the network must share the same 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: 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 or 802.11a wireless devices on your network.

The screenshot displays the 'Wireless Settings' page for a D-Link DAP-2620 device. The interface includes a navigation menu on the left with options like 'Basic Settings', 'Wireless', 'LAN', 'IPv6', 'Advanced Settings', and 'Status'. The main content area is titled 'Wireless Settings' and contains several configuration sections. The 'Wireless Band' is set to '2.4GHz'. The 'Mode' is set to 'WDS with AP'. The 'Network Name (SSID)' is 'dlink', and 'SSID Visibility' is 'Enable'. 'Auto Channel Selection' is 'Disable', 'Channel' is '1', and 'Channel Width' is '20 MHz'. There is a section for 'WDS Remote AP MAC Address' with eight input fields labeled 1 through 8. Below this is a 'Site Survey' section with a 'Scan' button. The bottom section is 'Authentication', set to 'Open System'. It includes 'Key Settings' (radio buttons for 'Disable' and 'Enable'), 'Encryption' (radio buttons for 'Disable' and 'Enable'), 'Key Type' (set to 'HEX'), 'Key Index (1-4)' (set to '1'), 'Network Key' (a text input field), and 'Confirm Key' (a text input field with a character set hint: {0-9,a-z,A-Z,~!@#%&*^"_+~}|'"/<>?}). A 'Save' button is located at the bottom right of the page.

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

Wireless Band: Select either 2.4GHz or 5GHz from the drop-down menu.

Mode: WDS 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 mode.

Channel: All devices on the network must share the same channel. To change the channel, use the drop-down menu to make the desired selection.

Channel Width: Use the drop-down menu to choose 20 MHz or Auto 20/40 MHz.

Remote AP MAC Address: Enter the MAC addresses of the APs on your network that will serve as bridges to wirelessly connect multiple networks.

The screenshot shows the D-Link DAP-2620 configuration interface. The 'Wireless Settings' tab is active. The 'Wireless Band' is set to 2.4GHz, and the 'Mode' is set to WDS. The 'Network Name (SSID)' is 'dlink'. 'SSID Visibility' is set to 'Enable'. 'Auto Channel Selection' is set to 'Disable'. The 'Channel' is set to 1, and 'Channel Width' is set to 20 MHz. The 'WDS' section shows 'Remote AP MAC Address' fields for 1 through 8. Below this is a 'Site Survey' table with columns for CH, RSSI, BSSID, Security, and SSID, and a 'Scan' button. The 'Authentication' section is set to 'Open System'. The 'Key Settings' section shows 'Encryption' set to 'Disable', 'Key Type' set to 'HEX', 'Key Index' set to 1, and 'Key Size' set to 64 Bits. The 'Network Key' and 'Confirm Key' fields are empty. A 'Save' button is at the bottom right.

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.
- 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 either 2.4 GHz or 5 GHz from the drop-down menu.

Mode: Wireless Client 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.

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-2620 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.

Authentication: Will be explained in the next topic.

The screenshot displays the D-Link DAP-2620 configuration interface. The 'Wireless Settings' tab is active. The 'Wireless Band' is set to 2.4GHz, 'Mode' is Wireless Client, and 'Network Name (SSID)' is dlink. 'SSID Visibility' and 'Auto Channel Selection' are both enabled. The 'Channel' is 1 and 'Channel Width' is Auto 20/40 MHz. A 'Site Survey' section contains a 'Scan' button. The 'Authentication' section shows 'Open System' for key settings, with encryption disabled, key type set to HEX, key index 1, and fields for network and confirm keys. The 'Wireless MAC Clone' section has an 'Enable' checkbox, 'Auto' for MAC source, and a 'MAC Address' field with a 'Scan' button. A 'Save' button is at the bottom right.

Wireless Security

Wireless security is a key concern for any wireless network installed. Unlike any other networking method wireless networks will broadcast its presence for anyone to connect to it. Today, wireless security has advanced to a level where it is virtually impenetrable.

There are mainly two forms of wireless encryption and they are called Wired Equivalent Privacy (WEP) and Wi-Fi Protected Access (WPA). WEP was the first security method developed. It is a low level encryption but better than now encryption. WPA is the newest encryption standard and with the advanced WPA2 standard wireless networks have finally reach a point where the security is strong enough to give users the peace of mind when installing wireless networks.

Wired Equivalent Privacy (WEP)

WEP provides two variations called **Open System** and **Shared Key**.

Open System will send a request to the access point and if the key used matches the one configured on the access point, the access point will return a success message back to the wireless client. If the key does not match the one configured on the access point, the access point will deny the connection request from the wireless client.

Shared Key will send a request to the access point and if the key used matches the one configured on the access point, the access point will send a challenge to the client. The client will then again send a confirmation of the same key back to the access point where the access point will either return a successful or a denial packet back to the wireless client.

Encryption: Use the radio button to disable or enable encryption.

Key Type*: Select HEX or ASCII.

Key Size: Select 64 Bits or 128 Bits.

Key Index (1-4): Select the 1st through the 4th key to be 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.

**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.

Wi-Fi Protected Access (WPA / WPA2)

WPA was created by the Wi-Fi Alliance to address the limitations and weaknesses found in WEP. This protocol is mainly based on the 802.11i standard. There are also two variations found in WPA called WPA-Personal (PSK) and WPA-Enterprise (EAP).

WPA-EAP requires the user to install a Radius Server on the network for authentication.

WPA-Personal does not require the user to install a Radius Server on the network.

Comparing WPA-PSK with WPA-EAP, WPA-PSK is seen as a weaker authentication but comparing WPA-PSK to WEP, WPA-PSK is far more secure than WEP. WPA-EAP is the highest level of wireless security a user can use for wireless today.

WPA2 is an upgrade of WPA. WPA2 yet again solves some possible security issues found in WPA. WPA2 has two variations called WPA2-Personal (PSK) and WPA2-Enterprise (EAP) which is the same as found with WPA.

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 WPA Only. WPA and WPA2 use different algorithms. AUTO (WPA or WPA2) allows you to use both WPA and WPA2.

Cipher Type: When you select WPA-Personal, you must also select AUTO, AES, or TKIP from the pull down menu.

Group Key Update: Select the interval during which the group key will be valid. The default value of 1800 is recommended.

Pass Phrase: When you select WPA-Personal, please enter a Pass Phrase in the corresponding field.

The screenshot displays the 'Wireless Settings' configuration window. The settings are as follows:

- Wireless Band:** 2.4GHz
- Mode:** Access Point
- Network Name (SSID):** dlink
- SSID Visibility:** Enable
- Auto Channel Selection:** Enable
- Channel:** 1
- Channel Width:** 20 MHz
- Authentication:** WPA-Personal
- PassPhrase Settings:**
 - WPA Mode:** AUTO (WPA or WPA2)
 - Cipher Type:** Auto
 - Group Key Update Interval:** 3600 (Seconds)
 - Manual:** Selected (radio button)
 - Periodical Key Change:** Unselected (radio button)
 - Activated From:** Sun : 00 : 00
 - Time Interval:** 1 (1~168) hour(s)
 - PassPhrase:** (Empty text field)
 - Confirm PassPhrase:** (Empty text field)
- Notice:** 8~63 in ASCII or 64 in Hex. (0-9,a-z,A-Z,~!@#\$%^&*()_+~-={}|'\";.,/<>?)
- Save:** Button at the bottom right.

WPA Mode: When WPA-Enterprise is selected, you must also select 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.

Cipher Type: When WPA-Enterprise is selected, you must also select a cipher type from the drop-down menu: Auto, AES, or TKIP.

Group Key Update Interval: Select the interval during which the group key will be valid. 1800 is the recommended value as a lower interval may reduce data transfer rates.

Network Access Protection: Enable or disable Microsoft Network Access Protection.

RADIUS Server: Enter the IP address of the RADIUS server.

RADIUS Port: Enter the RADIUS port.

RADIUS Secret: Enter the RADIUS secret.

Account Server: Enter the IP address of the Account Server

Account Port: Enter the Account port

Account Secret: Enter the Account secret

The screenshot displays the D-Link DAP-2620 configuration interface. The left sidebar shows navigation options: Home, Maintenance, Configuration, System, Logout, and Help. The main content area is titled 'Wireless Settings'. Under 'Basic Settings', the following options are visible: Wireless Band (2.4GHz), Mode (Access Point), Network Name (SSID) (dlink), SSID Visibility (Enable), Auto Channel Selection (Enable), Channel (1), Channel Width (20 MHz), Authentication (WPA-Enterprise), WPA Mode (AUTO (WPA or WPA2)), Cipher Type (Auto), and Group Key Update Interval (1800 Seconds). Below this, there are sections for 'Network Access Protection' (Network Access Protection: Disable/Enable), 'RADIUS Server Mode' (RADIUS Server: External/Internal), 'Primary RADIUS Server Setting' (RADIUS Server, RADIUS Port: 1812, RADIUS Secret), 'Backup RADIUS Server Setting (Optional)' (RADIUS Server, RADIUS Port: 1812, RADIUS Secret), 'Primary Accounting Server Setting' (Accounting Mode: Disable, Accounting Server, Accounting Port: 1813, Accounting Secret), and 'Backup Accounting Server Setting (Optional)' (Accounting Server, Accounting Port: 1813, Accounting Secret). A 'Save' button is located at the bottom right of the configuration area.

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-2620. These settings may be referred to as private settings. You may change the LAN IP address if needed. The LAN IP address is private to your internal network and cannot be seen on the Internet.

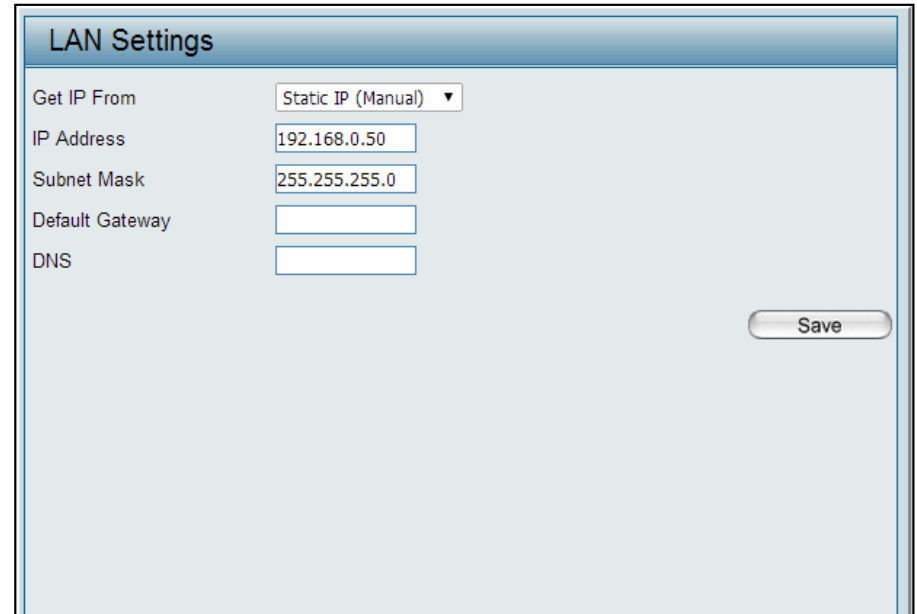
Get IP From: **Static IP (Manual)** is chosen here. Choose this option if you do not have a DHCP server in your network, or if you wish to assign a static IP address to the DAP-2620. When **Dynamic IP (DHCP)** is selected, the other fields here will be grayed out. Please allow about 2 minutes for the 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.

Subnet Mask: Enter the subnet mask. All devices in the network must share the same subnet mask.

Default Gateway: Enter the IP address of the gateway/router in your network.

DNS: Enter a DNS server IP address. This is usually the local IP address of your gateway/router.



The screenshot shows the 'LAN Settings' web interface. It features a title bar 'LAN Settings' and a main content area with the following fields: 'Get IP From' (a dropdown menu set to 'Static IP (Manual)'), 'IP Address' (a text box containing '192.168.0.50'), 'Subnet Mask' (a text box containing '255.255.255.0'), 'Default Gateway' (an empty text box), and 'DNS' (an empty text box). A 'Save' button is located in the bottom right corner of the form area.

IPv6

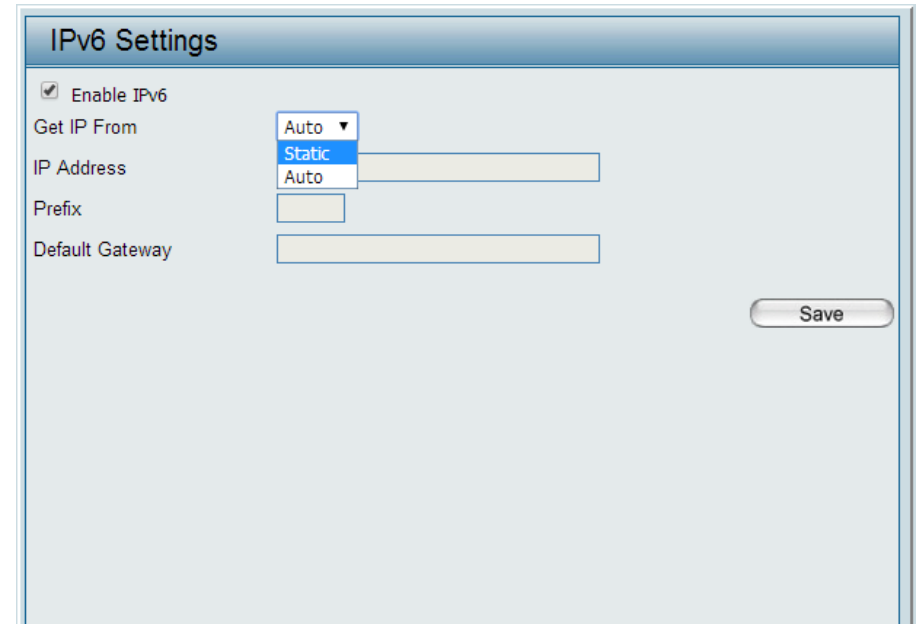
Enable IPv6: Check to enable the IPv6

Get IP From: Auto is chosen here. Choose this option the DAP-2620 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.

IP Address: Enter the LAN IPv6 address used here.

Prefix: Enter the LAN subnet prefix length value used here.

Default Gateway: Enter the LAN default gateway IPv6 address used here.



The screenshot shows the 'IPv6 Settings' configuration window. It features a header bar with the title 'IPv6 Settings'. Below the header, there is a checked checkbox labeled 'Enable IPv6'. To the right of this checkbox is a dropdown menu labeled 'Get IP From' with three options: 'Auto' (selected), 'Static', and 'Auto'. Below the dropdown menu are three input fields: 'IP Address', 'Prefix', and 'Default Gateway'. The 'IP Address' and 'Prefix' fields are currently grayed out. A 'Save' button is located in the bottom right corner of the window.

Advanced Settings

In the Advanced Settings Section the user can configure advanced settings concerning Performance, Multiple SSID, VLAN, Security, Quality of Service, AP Array, Web Redirection, DHCP Server, Filters and Scheduling. The following pages will explain settings found in the Advanced Settings section in more detail.

The screenshot shows the D-Link DAP-2620 web interface. The top navigation bar includes Home, Maintenance, Configuration, System, Logout, and Help. The left sidebar shows a tree view with categories like Basic Settings, Advanced Settings, Wireless Resource, Multi-SSID, VLAN, Intrusion, Schedule, Internal RADIUS Server, ARP Spoofing Prevention, Bandwidth Optimization, AP Array, Captive Portal, DHCP Server, Filters, Traffic Control, and Status. The main content area is titled 'Performance Settings' and contains the following configuration options:

Setting	Value
Wireless band	5GHz
Wireless	Off
Wireless Mode	Mixed 802.11ac
Data Rate	Best(Up to 867) (Mbps)
Beacon Interval (40-500)	100
DTIM Interval (1-15)	1
Transmit Power	100%
WMM (Wi-Fi Multimedia)	Enable
Ack Time Out (5GHz, 25~200)	25 (μs)
Short GI	Enable
IGMP Snooping	Disable
Multicast Rate	Disable (Mbps)
Multicast Bandwidth Control	Disable
Maximum Multicast Bandwidth	100 kbps
HT20/40 Coexistence	Disable
Transfer DHCP Offer to Unicast	Disable

A 'Save' button is located at the bottom right of the settings area.

Performance

On the Performance Settings page the users can configure more advanced settings concerning the wireless signal and hosting.

Wireless Band: Select either 2.4GHz or 5GHz.

Wireless: Use the drop-down menu to turn the wireless function On or Off.

Wireless Mode: The different combination of clients that can be supported include Mixed 802.11n, 802.11g and 802.11b, Mixed 802.11g and 802.11b and 802.11n Only in the 2.4 GHz band and Mixed 802.11n, 802.11a, 802.11a only, and 802.11n Only in the 5 GHz band. Please note that when backwards compatibility is enabled for legacy (802.11a/g/b) clients, degradation of 802.11n (draft) wireless performance is expected.

Data Rate*: 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 interference, the AP will step down the rate. This option is enabled in Mixed 802.11g and 802.11b mode (for 2.4 GHz) and 802.11a only mode (for 5 GHz). The choices available are Best (Up to 54), 54, 48, 36, 24, 18, 12, 9, 6 for 5 GHz and Best (Up to 54), 54, 48, 36, 24, 18, 12, 9, 6, 11, 5.5, 2 or 1 for 2.4 GHz.

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): Select a Delivery Traffic Indication Message setting between 1 and 15. 1 is the default setting. DTIM is a countdown informing clients of the next window for listening to broadcast and multicast messages.

Performance Settings	
Wireless band	5GHz
Wireless	Off
Wireless Mode	Mixed 802.11ac
Data Rate	Best(Up to 867) (Mbps)
Beacon Interval (40-500)	100
DTIM Interval (1-15)	1
Transmit Power	100%
WMM (Wi-Fi Multimedia)	Enable
Ack Time Out (5GHz, 25~200)	25 (μs)
Short GI	Enable
IGMP Snooping	Disable
Multicast Rate	Disable (Mbps)
Multicast Bandwidth Control	Disable
Maximum Multicast Bandwidth	100 kbps
HT20/40 Coexistence	Disable
Transfer DHCP Offer to Unicast	Disable

Save

Transmit Power: This setting determines the power level of the wireless transmission. Transmitting power can be adjusted to eliminate overlapping of wireless area coverage between two access points where interference is a major concern. For example, if wireless coverage 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 between 25 and 200 microseconds for 5 GHz or from 64 to 200 microseconds 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: Adjust the multicast packet data rate here. The multicast rate is supported in **AP mode**, (2.4 GHZ and 5 GHZ) and **WDS with AP mode**, including Multi-SSIDs.

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 Control

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 band: Select **2.4GHz** or **5GHz**.

Band Steering: Use the drop-down menu to **Enable** the 5G Preferred function. When the wireless clients support both 2.4GHz and 5GHz and the 2.4GHz signal is not strong enough, the device will use 5G as higher priority.

Band Steering Age: Enter the time in seconds to specify the interval of updating information.

Band Steering Difference: The 5G preferred difference value is equal to the number of 5GHz wireless client connections minus the number of 2.4GHz wireless client connections. If the number of 5GHz wireless client connections minus the number of 2.4GHz wireless client connections exceed this value, the extra 5GHz wireless client connections will be forced to connect to the 2.4GHz band and not the 5GHz band.

Band Steering Refuse Number: Enter the maximum 5G connection attempts allowed before the 5G preferred function will be disabled for the wireless station connection.

Connection Limit: Select **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-2620 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.

Wireless Resource Control	
Wireless band	2.4GHz ▼
Band Steering	Disable ▼
Band Steering Age	180 (s)
Band Steering Difference	2
Band Steering Refuse Number	3
Connection Limit	Disable ▼
User Limit (0 - 64)	20
11n Preferred	Disable ▼
Network Utilization	100% ▼
Aging out	Disable ▼
RSSI Threshold	100% ▼
Data Rate Threshold	54 ▼
ACL RSSI	Disable ▼
ACL RSSI Threshold	60% ▼
Save	

11n Preferred: Use the drop-down menu to **Enable** the 11n Preferred function. The wireless clients with 802.11n protocol will have higher priority to connect to the device.

Network Utilization: Set the maximum utilization of this access point for service. The DAP-2620 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. You can set the Primary SSID in the Basic > Wireless section. 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.

Band: Select **2.4GHz** or **5GHz**.

Index: You can select up to seven multi-SSIDs. With the Primary SSID, you have a total of eight multi-SSIDs.

SSID: Service Set Identifier (SSID) is the name designated for a specific wireless local area network (WLAN). The SSID's factory default setting is **dlink**. The SSID can be easily changed to connect to an existing wireless network or to establish a new wireless network.

SSID Visibility: Enable or Disable SSID visibility. Enabling this feature broadcasts the SSID across the network, thus making it visible to all network users.

Security: The Multi-SSID security can be Open System, WPA-Personal, or WPA-Enterprise. For a detailed description of the Open System parameters please go to page 23. For a detailed description of the WPA-Personal parameters please go to page 24. For a detailed description of the WPA-Enterprise parameters please go to page 25.

Priority: Select the priority level of the SSID selected.

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.



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-bit or 128-bit.

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.

Pass Phrase: When you select WPA-Personal, please enter a Pass Phrase in the corresponding field.

Confirm Pass Phrase: When you select WPA-Personal, please re-enter the Pass Phrase 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-2620 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-2620 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 to Enable. Next, go to the Add/Edit VLAN tab to add or modify an item on the VLAN List tab.

VLAN Mode: The current VLAN mode is displayed.

VLAN Settings

VLAN Status : ☒ Disable ☐ Enable

Save

VLAN Mode : Static(2.4G), Static(5G)

VLAN List

Port List

Add/Edit VLAN

PVID Setting

VID	VLAN Name	Untag VLAN Ports	Tag VLAN Ports	Edit	Delete
1	default	Mgmt, LAN, Primary(2.4G), S-1(2.4G), S-2(2.4G), S-3(2.4G), S-4(2.4G), S-5(2.4G), S-6(2.4G), S-7(2.4G), W-1(2.4G), W-2(2.4G), W-3(2.4G), W-4(2.4G), W-5(2.4G), W-6(2.4G), W-7(2.4G), W-8(2.4G), Primary(5G), S-1(5G), S-2(5G), S-3(5G), S-4(5G), S-5(5G), S-6(5G), S-7(5G), W-1(5G), W-2(5G), W-3(5G), W-4(5G), W-5(5G), W-6(5G), W-7(5G), W-8(5G)			

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.

Port Name: The name of the port is displayed in this column.

Tag VID: The Tagged VID is displayed in this column.

Untag VID: The Untagged VID is displayed in this column.

PVID: The Port VLAN Identifier is displayed in this column.

VLAN Settings

VLAN Status : ☐ Disable ☒ Enable Save

VLAN Mode : Static(2.4G), Static(5G)

VLAN List

Port List

Add/Edit VLAN

PVID Setting

Port Name	Tag VID	Untag VID	PVID
Mgmt		1	1
LAN		1	1
Primary(2.4G)		1	1
Primary(5G)		1	1
S-1(2.4G)		1	1
S-2(2.4G)		1	1
S-3(2.4G)		1	1
S-4(2.4G)		1	1
S-5(2.4G)		1	1
S-6(2.4G)		1	1
S-7(2.4G)		1	1
W-1(2.4G)		1	1
W-2(2.4G)		1	1
W-3(2.4G)		1	1
W-4(2.4G)		1	1
W-5(2.4G)		1	1
W-6(2.4G)		1	1
W-7(2.4G)		1	1
W-8(2.4G)		1	1
S-1(5G)		1	1
S-2(5G)		1	1
S-3(5G)		1	1
S-4(5G)		1	1
S-5(5G)		1	1
S-6(5G)		1	1
S-7(5G)		1	1
W-1(5G)		1	1
W-2(5G)		1	1
W-3(5G)		1	1
W-4(5G)		1	1
W-5(5G)		1	1
W-6(5G)		1	1
W-7(5G)		1	1
W-8(5G)		1	1

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.

VLAN Settings

VLAN Status : ☐ Disable ☒ Enable
Save

VLAN Mode : Static(2.4G), Static(5G)

VLAN List | Port List | **Add/Edit VLAN** | PVID Setting

VLAN ID (VID) VLAN Name

Port	Select All	Mgmt	LAN
Untag	<input type="button" value="All"/>	<input type="radio"/>	<input type="radio"/>
Tag	<input type="button" value="All"/>	<input type="radio"/>	<input type="radio"/>
Not Member	<input type="button" value="All"/>	<input type="radio"/>	<input type="radio"/>

2.4GHz

MSSID Port	Select All	Primary	S-1	S-2	S-3	S-4	S-5	S-6	S-7
Untag	<input type="button" value="All"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tag	<input type="button" value="All"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Not Member	<input type="button" value="All"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

WDS Port	Select All	W-1	W-2	W-3	W-4	W-5	W-6	W-7	W-8
Untag	<input type="button" value="All"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tag	<input type="button" value="All"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Not Member	<input type="button" value="All"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

5GHz

MSSID Port	Select All	Primary	S-1	S-2	S-3	S-4	S-5	S-6	S-7
Untag	<input type="button" value="All"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tag	<input type="button" value="All"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Not Member	<input type="button" value="All"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

WDS Port	Select All	W-1	W-2	W-3	W-4	W-5	W-6	W-7	W-8
Untag	<input type="button" value="All"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tag	<input type="button" value="All"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Not Member	<input type="button" value="All"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Save

PVID Settings

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 Assign Status: Use the radio button to toggle PVID auto assign status to Enable.

VLAN Settings Save

VLAN Status : ☐ Disable ☒ Enable

VLAN Mode : Static(2.4G), Static(5G)

VLAN List | Port List | Add/Edit VLAN | **PVID Setting**

PVID Auto Assign Status ☒ Disable ☐ Enable

Port	Mgmt	LAN
PVID	1	1

2.4GHz

MSSID Port	Primary	S-1	S-2	S-3	S-4	S-5	S-6	S-7
PVID	1	1	1	1	1	1	1	1
WDS Port	W-1	W-2	W-3	W-4	W-5	W-6	W-7	W-8
PVID	1	1	1	1	1	1	1	1

5GHz

MSSID Port	Primary	S-1	S-2	S-3	S-4	S-5	S-6	S-7
PVID	1	1	1	1	1	1	1	1
WDS Port	W-1	W-2	W-3	W-4	W-5	W-6	W-7	W-8
PVID	1	1	1	1	1	1	1	1

Save

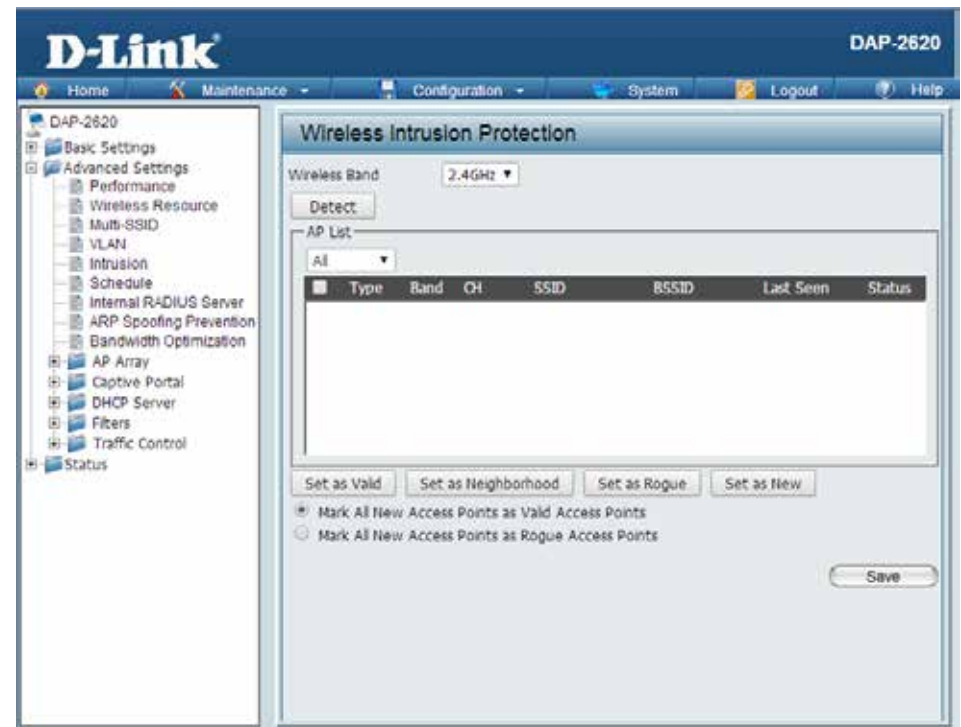
Intrusion

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.

Wireless Band: Select 2.4GHz or 5GHz.

AP List: The choices include All, Valid, Neighbor, Rogue, and New.

Detect: Click this button to initiate a scan of the network.



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.

Name: Enter a name for the new scheduling rule in the field provided.

Index: Use the drop-down menu to select the desired SSID.

SSID: This read-only field indicates the current SSID in use. To create a new SSID, go to the Wireless Settings window (Basic Settings > Wireless).

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.

All Day(s): Check this box to have your settings apply 24 hours a day.

Start Time: Enter the beginning hour and minute, using a 24-hour clock.

End Time: Enter the ending hour and minute, using a 24-hour clock.

Wireless Schedule Settings

Wireless Schedule: Disable

Add Schedule Rule

Name:

Index: Primary SSID 2.4G

SSID: dlink

Day(s): ☐ All Week ☒ Select Day(s)

☐ Sun ☐ Mon ☐ Tue ☐ Wed ☐ Thu ☐ Fri ☐ Sat

All Day(s): ☐

Start Time: : (hour:minute, 24 hour time)

End Time: : (hour:minute, 24 hour time) ☐ Overnight

Schedule Rule List

Name	SSID Index	SSID	Day(s)	Time Frame	Wireless Edit	DEL
+						

+: To the end time of the next day overnight.

Internal RADIUS Server

The DAP-2620 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.

Password: Enter a password to authenticate user access to the internal RADIUS server. The length of your password should be 8~64.

Status: Toggle the drop-down menu between Enable and Disable.

RADIUS Account List: Displays the list of users.

The screenshot displays the D-Link DAP-2620 web management interface. The top navigation bar includes links for Home, Maintenance, Configuration, System, Logout, and Help. A left sidebar lists various configuration categories: Basic 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, Traffic Control, and Status. The main content area is titled 'Internal RADIUS Server'. It features an 'Add RADIUS Account' section with input fields for 'User Name' and 'Password', and a 'Status' dropdown menu currently set to 'Enable'. Below this is a 'RADIUS Account list' table with columns for 'User Name', 'Enable', 'Disable', and 'Delete'. The table is currently empty. A 'Save' button is located at the bottom right of the configuration area.

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.

Gateway IP Address: Enter a gateway IP address.

Gateway MAC Address: Enter a gateway MAC address.

The screenshot displays the D-Link DAP-2620 web management interface. The top navigation bar includes links for Home, Maintenance, Configuration, System, Logout, and Help. A left sidebar menu lists various configuration categories: Basic Settings, Advanced Settings (with sub-items like Performance, Wireless Resource, Multi-SSID, VLAN, Intrusion, Schedule, Internal RADIUS Server, ARP Spoofing Prevention, and Bandwidth Optimization), AP Array, Captive Portal, DHCP Server, Filters, Traffic Control, and Status. The main content area is titled 'ARP Spoofing Prevention Settings'. It features a dropdown menu for 'ARP Spoofing Prevention' currently set to 'Disable'. Below this is the 'Add Gateway Address' section, which contains input fields for 'Gateway IP Address' and 'Gateway MAC Address' (formatted as six boxes separated by colons), along with 'Add' and 'Clear' buttons. The 'Gateway Address List' section shows 'Total Entries: 0' and a 'Delete All' button. A table with columns 'Gateway IP Address', 'Gateway MAC Address', 'Edit', and 'Delete' is present but empty. A 'Save' button is located at the bottom right of the settings area.

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.
- Downlink Bandwidth:** Enter the downlink bandwidth of the device in Mbits per second.
- Uplink Bandwidth:** Enter the uplink bandwidth of the device in Mbits per second.
- Allocate average BW for each station:** AP will distribute average bandwidth for each client.
- 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 and 11a/n client are 10%/20%/70% ; 20%/80%. AP will distribute different bandwidth for 11a/b/g/n clients.
- Allocate specific BW for SSID:** All clients share the total bandwidth.
- Rule Type:** 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 1a/b/g/n stations, and Allocte specific BW for SSID.**

Bandwidth Optimization

Enable Bandwidth Optimization

Downlink Bandwidth
 Mbits/sec

Uplink Bandwidth
 Mbits/sec

Add Bandwidth Optimization Rule

Rule Type

Band

SSID Index

Downlink Speed
 Kbits/sec

Uplink Speed
 Kbits/sec

Bandwidth Optimization Rules

Band	Type	SSID Index	Downlink Speed	Uplink Speed	Edit	Del

Band: Use the drop-down menu to toggle the wireless band between 2.4GHz and 5GHz.

SSID Index: Use the drop-down menu to select the SSID for the specified wireless band.

Downlink Speed: Enter the limitation of the downloading speed in either Kbits/sec or Mbits/sec for the rule.

Uplink Speed: Enter the limitation of the uploading speed in either Kbits/sec or Mbits/sec for the rule.

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 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.

AP Array Name: Enter an AP array name for the group here.

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.

Scan AP Array List: Click this button to initiate a scan of all the available APs currently on the network.

Connection Status: Display the AP array connection status.

AP Array List: This table displays the current AP array status for the following parameters: Array Name, Master IP, MAC, Master, Backup Master, Slave, and Total.

Current Members: This table displays all the current array members. The DAP-2620 AP array feature supports up to eight AP array members.

The screenshot shows the D-Link DAP-2620 web interface. The main configuration area is titled "AP Array Scan". It includes a checkbox for "Enable AP Array" (Version 2.0) and three radio buttons for "Master", "Backup Master", and "Slave". Below these are input fields for "AP Array Name" and "AP Array Password", and a "Scan" button. The "Connection Status" is displayed as "Disconnect".

The "AP Array List" table has the following columns: Array Name, Master IP, MAC, Master, Backup Master, Slave, and Total. It is currently empty.

The "Current Members" table has the following columns: Index, Role, IP Address, MAC Address, and Location. It is also currently empty.

A "Save" button is located at the bottom right of the configuration area.

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 configuration feature here.

Wireless Basic Settings: Select this option to specify the basic wireless settings that the APs in the group will inherit.

Wireless Advanced Settings: Select this option to specify the advanced wireless settings that the APs in the group will inherit.

Multiple SSID & VLAN: Select this option to specify the multiple SSIDs and VLAN settings that the APs in the group will inherit.

Advanced Functions: Select this option to specify the other advanced settings that the APs in the group will inherit.

Administration Settings: Select this option to specify the administrative settings that the APs in the group will inherit.

The screenshot shows the 'AP Array Configuration' window. At the top, there is a section for 'Enable AP Array Configuration' with a dropdown menu set to 'Enable' and a 'Clear all' button. Below this are five expandable sections, each with a checkbox: 'Wireless Basic Settings', 'Wireless Advanced Settings', 'Multiple SSID & VLAN', 'Advanced Functions', and 'Administration Settings'. A 'Save' button is located at the bottom right of the window.

Wireless Basic Settings

Network Name (SSID): Select this option to use the same SSID.

SSID Visibility: Select this option to enable SSID visibility.

Auto Channel Selection: Select this option to use auto channel selection.

Channel Width: Select this option to use the same channel width.

Security: Select this option to use the same wireless security.

Captive Profile: Select this option to use the same captive profile settings.

Band: Select this option to use the same wireless band.

Wireless Basic Settings <input checked="" type="checkbox"/>			
Network Name (SSID)	<input checked="" type="checkbox"/>	SSID Visibility	<input checked="" type="checkbox"/>
Auto Channel Selection	<input checked="" type="checkbox"/>	Channel Width	<input checked="" type="checkbox"/>
Security	<input checked="" type="checkbox"/>	Captive Profile	<input checked="" type="checkbox"/>
Band	<input checked="" type="checkbox"/>		

Wireless Advanced Settings

Wireless: Select this option to use the same wireless settings.

Wireless Mode: Select this option to use the same wireless mode.

Data Rate: Select this option to use the same data rate.

Beacon Interval: Select this option to use the same beacon interval.

DTIM Interval: Select this option to use the same DTIM interval.

Transmit Power: Select this option to use the same transmit power.

WMM (Wi-Fi Multimedia): Select this option to use the same WMM settings.

Ack Time Out: Select this option to use the same ACK timeout value.

Wireless ACL: Select this option to use the same wireless ACL settings.

Wireless Advanced Settings <input checked="" type="checkbox"/>			
Wireless	<input checked="" type="checkbox"/>	Wireless Mode	<input checked="" type="checkbox"/>
Data Rate	<input checked="" type="checkbox"/>	Beacon Interval	<input checked="" type="checkbox"/>
DTIM Interval	<input checked="" type="checkbox"/>	Transmit Power	<input checked="" type="checkbox"/>
WMM (Wi-Fi Multimedia)	<input checked="" type="checkbox"/>	Ack Time Out	<input checked="" type="checkbox"/>
Wireless ACL	<input checked="" type="checkbox"/>	Short GI	<input checked="" type="checkbox"/>
Link Integrity	<input checked="" type="checkbox"/>	Connection Limit	<input checked="" type="checkbox"/>
IGMP Snooping	<input checked="" type="checkbox"/>		

Short GI: Select this option to use the same short GI settings.

Link Integrity: Select this option to use the same link integrity settings.

Connection Limit: Select this option to use the same connection limit value.

IGMP Snooping: Select this option to use the same IGMP snooping settings.

Multiple SSID & VLAN

SSID: Select this option to use the same multi-SSIDs.

SSID Visibility: Select this option to use the same SSID visible.

Security: Select this option to use the same wireless security settings.

WMM: Select this option to use the same WMM settings.

Captive Profile: Select this option to use the same captive profile settings.

VLAN: Select this option to use the same VLAN settings.

Multiple SSID & VLAN <input checked="" type="checkbox"/>			
SSID	<input checked="" type="checkbox"/>	SSID Visibility	<input checked="" type="checkbox"/>
Security	<input checked="" type="checkbox"/>	WMM	<input checked="" type="checkbox"/>
Captive Profile	<input checked="" type="checkbox"/>	VLAN	<input checked="" type="checkbox"/>

Advanced Functions

Schedule Settings: Select this option to use the same schedule settings.

QoS Settings: Select this option to use the same Quality of Service settings.

Log Settings: Select this option to use the same log settings.

Time and Date Settings: Select this option to use the same time and date settings.

Advanced Functions <input checked="" type="checkbox"/>			
Schedule Settings	<input checked="" type="checkbox"/>	QoS Settings	<input checked="" type="checkbox"/>
Log Settings	<input checked="" type="checkbox"/>	Time and Date Settings	<input checked="" type="checkbox"/>
ARP Spoofing Prevention	<input checked="" type="checkbox"/>	Bandwidth Optimization	<input checked="" type="checkbox"/>
Captive Portal	<input checked="" type="checkbox"/>	Auto RF	<input checked="" type="checkbox"/>
Load Balance	<input checked="" type="checkbox"/>	DHCP server Settings	<input checked="" type="checkbox"/>

ARP Spoofing Prevention: Select this option to use the same ARP spoofing prevention settings.

Bandwidth Optimization: Select this option to use the same bandwidth optimization settings.

Captive Portal: Select this option to use the same captive portal settings.

Auto RF: Select this option to use the same auto-RF settings.

Load Balance: Select this option to use the same load balancing settings.

DHCP Server Settings: Select this option to use the same DHCP server settings.

Administration Settings

System Name Settings: Select this option to use the same system name.

SNMP Settings: Select this option to use the same SNMP settings.

Login Settings: Select this option to use the same login settings.

Console Settings: Select this option to use the same console settings.

Limit Administrator: Select this option to use the same limit administrator settings.

Ping Control Setting: Select this option to use the same ping control settings.

Administration Settings <input checked="" type="checkbox"/>			
System Name Settings	<input checked="" type="checkbox"/>	SNMP Settings	<input checked="" type="checkbox"/>
Login Settings	<input checked="" type="checkbox"/>	Console Settings	<input checked="" type="checkbox"/>
Limit Administrator	<input checked="" type="checkbox"/>	Ping Control Setting	<input checked="" type="checkbox"/>

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.

Initiate Auto-RF: Click the **Auto-RF Optimize** button to initiate the auto-RF optimization feature.

Auto-Initiate: Select the **Enable** or **Disable** the auto-initiate feature here.

Auto-Initiate Period: After enabling the auto-initiate option, the auto-initiate period value can be entered here. This value must be between 1 and 24 hours.

RSSI Threshold: Select the RSSI threshold value here. This value is listed in the drop-down menu in increments of 10% from **10%** to **100%**.

RF Report Frequency: Enter the RF report frequency value here.

The screenshot shows the 'Auto-RF' configuration window. It contains the following elements:

- Enable Auto-RF:** A dropdown menu currently set to 'Disable'.
- Initiate Auto-RF:** A button labeled 'Auto-RF Optimize'.
- Auto-Initiate:** A dropdown menu currently set to 'Disable'.
- Auto-Initiate Period:** A text input field containing '24' followed by '(hours)'.
- RSSI Threshold:** A dropdown menu currently set to '40%'.
- RF Report Frequency:** A text input field containing '10' followed by '(Seconds)'.
- Save:** A button located at the bottom right of the window.

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.

Load Balance

Enable Load Balance

Disable

Active Threshold

0

Save

Captive Portal

Authentication Settings-Web Redirection Only

The Captive Portal is a built-in web authentication server. When a station connects to an AP, the web browser will be redirected to a web authentication page. In this window, user can view and configure the Captive Portal settings. After selecting Web Redirection Only as the Authentication Type, we can configure the redirection website URL that will be applied to each wireless client in this network.

Session timeout(1-1440) : Enter the session timeout value here. This value can be from 1 to 1440 minutes. By default, this value is 60 minutes.

Band : Select 2.4GHz or 5GHz.

SSID Index : Select the SSID for this Authentication.

Authentication Type : Select the captive portal encryption type here. Options to choose from are Web Redirection, Username/Password, Passcode, Remote RADIUS, LDAP and POP3. In this section we'll discuss the Web Redirection option.

Web Redirection State : Default setting is Enable when select Web Redirection Only.

URL Path : Select whether to use either HTTP or HTTPS here. After selecting either http:// or https://, enter the URL of the website that will be used in the space provided.

IPIF Status : Select to Enable or Disable the Captive Portal with its IP interface feature here.

VLAN Group : Enter the VLAN Group ID here

Get IP From : Static IP (Manual) is chosen here. Choose this option if you do not have a DHCP server in your network, or if you wish to assign a static IP address to the DAP-2620. When Dynamic IP (DHCP) is selected, the other fields here will be grayed out. Please allow about 2 minutes for the DHCP client to be functional once this selection is made.

Band	SSID Index	Captive Profile	Edit	Delete

IP Address : Assign a static IP address that is within the IP address range of your network.

Subnet Mask : Enter the subnet mask. All devices in the network must share the same subnet mask.

Gateway : Enter the IP address of the gateway/router in your network.

DNS : Enter a DNS server IP address. This is usually the local IP address of your gateway/router.

Authentication Settings- Username/Password

The Captive Portal is a built-in web authentication server. When a station connects to an AP, the web browser will be redirected to a web authentication page. In this window, user can view and configure the Captive Portal settings. After selecting Username/Password as the Authentication Type, we can configure the Username/Password authentication that will be applied to each wireless client in this network.

Session timeout(1-1440) : Enter the session timeout value here. This value can be from 1 to 1440 minutes. By default, this value is 60 minutes.

Band : Select 2.4GHz or 5GHz.

SSID Index : Select the SSID for this Authentication.

Authentication Type : Select the captive portal encryption type here. Options to choose from are Web Redirection, Username/Password, Passcode, Remote RADIUS, LDAP and POP3. In this section we'll discuss the Username/Password option.

Web Redirection State : Default is Disable or select Enable to enable the website redirection feature.

URL Path : Select whether to use either HTTP or HTTPS here. After selecting either http:// or https://, enter the URL of the website that will be used in the space provided.

IPIF Status : Select to Enable or Disable the Captive Portal with its IP interface feature here.

VLAN Group : Enter the VLAN Group ID here

Get IP From : Static IP (Manual) is chosen here. Choose this option if you do not have a DHCP server in your network, or if you wish to assign a static IP address to the DAP-2620. When Dynamic

The screenshot displays the D-Link DAP-2620 web interface. The top navigation bar includes links for Home, Maintenance, Configuration, System, Logout, and Help. The left sidebar shows a tree view of the configuration menu, with 'Captive Portal' expanded to show 'Authentication Settings', 'Login Page Upload', 'IP Filter Settings', and 'MAC Bypass'. The main content area is titled 'Captive Portal Authentication' and contains the following settings:

- Session Timeout (1-1440):** 60 Minute(s)
- Band:** 2.4GHz
- SSID Index:** Primary SSID
- Authentication Type:** Username/Password
- Web Redirection Interface Settings:**
 - Web Redirection State:** Disable
 - URL Path:** http://
- IP Interface Settings:**
 - IPIF Status:** Disable
 - VLAN Group:** (empty field)
 - Get IP From:** Static IP(Manual)
 - IP Address:** (empty field)
 - Subnet Mask:** (empty field)
 - Gateway:** (empty field)
 - DNS:** (empty field)
- Username/Password Settings:**
 - Username:** (empty field)
 - Password:** (empty field)

At the bottom, there are 'Add' and 'Clear' buttons, and a table with columns 'Username', 'Edit', and 'Delete'. Below this is a 'Save' button and another table with columns 'Band', 'SSID Index', 'Captive Profile', 'Edit', and 'Delete'.

IP (DHCP) is selected, the other fields here will be grayed out. Please allow about 2 minutes for the DHCP client to be functional once this selection is made.

IP Address : Assign a static IP address that is within the IP address range of your network.

Subnet Mask : Enter the subnet mask. All devices in the network must share the same subnet mask.

Gateway : Enter the IP address of the gateway/router in your network.

DNS : Enter a DNS server IP address. This is usually the local IP address of your gateway/router.

Username: Enter the username for the new account here.

Password: Enter the password for the new account here.

Authentication Settings- Passcode

The Captive Portal is a built-in web authentication server. When a station connects to an AP, the web browser will be redirected to a web authentication page. In this window, user can view and configure the Captive Portal settings. After selecting Passcode as the Authentication Type, we can configure the Passcode authentication that will be applied to each wireless client in this network.

Session timeout(1-1440) : Enter the session timeout value here. This value can be from 1 to 1440 minutes. By default, this value is 60 minutes.

Band : Select 2.4GHz or 5GHz.

SSID Index : Select the SSID for this Authentication.

Authentication Type : Select the captive portal encryption type here. Options to choose from are Web Redirection, Username/Password, Passcode, Remote RADIUS, LDAP and POP3. In this section we'll discuss the Passcode option.

Web Redirection State : Default is Disable or select Enable to enable the website redirection feature.

URL Path : Select whether to use either HTTP or HTTPS here. After selecting either http:// or https://, enter the URL of the website that will be used in the space provided.

IPIF Status : Select to Enable or Disable the Captive Portal with its IP interface feature here.

VLAN Group : Enter the VLAN Group ID here

Get IP From : Static IP (Manual) is chosen here. Choose this option if you do not have a DHCP server in your network, or if you wish to assign a static IP address to the DAP-2620. When Dynamic IP (DHCP) is selected, the other fields here will be

grayed out. Please allow about 2 minutes for the DHCP client to be functional once this selection is made.

IP Address : Assign a static IP address that is within the IP address range of your network.

Subnet Mask : Enter the subnet mask. All devices in the network must share the same subnet mask.

Gateway : Enter the IP address of the gateway/router in your network.

DNS : Enter a DNS server IP address. This is usually the local IP address of your gateway/router.

Passcode Quantity: Enter the number of ticket that will be used here.

Duration: Enter the duration value, in hours, for this passcode.

Last Active Day: Select the last active date for this passcode here. Year, Month and Day selections can be made.

User Limit: Enter the maximum amount of users that can use this passcode at the same time

Authentication Settings- Remote RADIUS

The Captive Portal is a built-in web authentication server. When a station connects to an AP, the web browser will be redirected to a web authentication page. In this window, user can view and configure the Captive Portal settings. After selecting Remote RADIUS as the Authentication Type, we can configure the Remote RADIUS authentication that will be applied to each wireless client in this network.

Session timeout(1-1440) : Enter the session timeout value here. This value can be from 1 to 1440 minutes. By default, this value is 60 minutes.

Band : Select 2.4GHz or 5GHz.

SSID Index : Select the SSID for this Authentication.

Authentication Type : Select the captive portal encryption type here. Options to choose from are Web Redirection, Username/Password, Passcode, Remote RADIUS, LDAP and POP3. In this section we'll discuss the Remote RADIUS option.

Web Redirection State : Default is Disable or select Enable to enable the website redirection feature.

URL Path : Select whether to use either HTTP or HTTPS here. After selecting either http:// or https://, enter the URL of the website that will be used in the space provided.

IPIF Status : Select to Enable or Disable the Captive Portal with its IP interface feature here.

VLAN Group : Enter the VLAN Group ID here

Get IP From : Static IP (Manual) is chosen here. Choose this option if you do not have a DHCP server in your network, or if you wish to assign a static IP address to the DAP-2620. When Dynamic IP (DHCP) is selected, the other fields here will be grayed out. Please allow about 2 minutes for the DHCP client to be functional once this selection is made.

IP Address : Assign a static IP address that is within the IP address range of your network.

Subnet Mask : Enter the subnet mask. All devices in the network must share the same subnet mask.

Gateway : Enter the IP address of the gateway/router in your network.

DNS : Enter a DNS server IP address. This is usually the local IP address of your gateway/router.

Radius Server: Enter the RADIUS server's IP address here

Radius Port: Enter the RADIUS server's port number here

Radius Port: Enter the RADIUS server's shared secret here

Remote Radius Type: Select the remote RADIUS server type here. Currently, only SPAP will be used.

Authentication Settings- LDAP

The Captive Portal is a built-in web authentication server. When a station connects to an AP, the web browser will be redirected to a web authentication page. In this window, user can view and configure the Captive Portal settings. After selecting LDAP as the Authentication Type, we can configure the LDAP authentication that will be applied to each wireless client in this network.

Session timeout(1-1440) : Enter the session timeout value here. This value can be from 1 to 1440 minutes. By default, this value is 60 minutes.

Band : Select 2.4GHz or 5GHz.

SSID Index : Select the SSID for this Authentication.

Authentication Type : Select the captive portal encryption type here. Options to choose from are Web Redirection, Username/Password, Passcode, Remote RADIUS, LDAP and POP3. In this section we'll discuss the LDAP option.

Web Redirection State : Default is Disable or select Enable to enable the website redirection feature.

URL Path : Select whether to use either HTTP or HTTPS here. After selecting either http:// or https://, enter the URL of the website that will be used in the space provided.

IPIF Status : Select to Enable or Disable the Captive Portal with its IP interface feature here.

VLAN Group : Enter the VLAN Group ID here

Get IP From : Static IP (Manual) is chosen here. Choose this option if you do not have a DHCP server in your network, or if you wish to assign a static IP address to the DAP-2620. When Dynamic IP (DHCP) is selected, the other fields here will be grayed out. Please allow about 2 minutes for the DHCP client to be functional once this selection is made.

IP Address : Assign a static IP address that is within the IP address range of your network.

The screenshot shows the D-Link DAP-2620 web interface. The top navigation bar includes links for Home, Maintenance, Configuration, System, Logout, and Help. The left sidebar menu shows the following structure:

- DAP-2620
 - Basic Settings
 - Advanced Settings
 - 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
 - IP Filter Settings
 - MAC Bypass
 - DHCP Server
 - Filters
 - Traffic Control
 - Status

The main content area is titled "Captive Portal Authentication" and contains the following fields:

- Session Timeout (1-1440): 60 Minute(s)
- Band: 2.4GHz
- SSID Index: Primary SSID
- Authentication Type: LDAP
- Web Redirection Interface Settings
 - Web Redirection State: Disable
 - URL Path: http://
- IP Interface Settings
 - IPIF Status: Disable
 - VLAN Group:
 - Get IP From: Static IP(Manual)
 - IP Address:
 - Subnet Mask:
 - Gateway:
 - DNS:
- LDAP Settings
 - Server:
 - Port: 389
 - Authenticate Mode: Simple
 - Username:
 - Password:
 - Base DN: (ou=,dc=)
 - Account Attribute: (ex.cn)
 - Identity: ☐ Auto Copy

At the bottom right, there is a "Save" button. Below the settings, there is a table with the following columns: Band, SSID Index, Captive Profile, Edit, and Delete. The table is currently empty.

Subnet Mask : Enter the subnet mask. All devices in the network must share the same subnet mask.

Gateway : Enter the IP address of the gateway/router in your network.

DNS : Enter a DNS server IP address. This is usually the local IP address of your gateway/router.

Server: Enter the LDAP server's IP address or domain name here.

Port: Enter the LDAP server's port number here.

Authenticate Mode: Select the authentication mode here. Options to choose from are Simple and TLS.

Username: Enter the LDAP server account's username here.

Password: Enter the LDAP server account's password here.

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

The Captive Portal is a built-in web authentication server. When a station connects to an AP, the web browser will be redirected to a web authentication page. In this window, user can view and configure the Captive Portal settings. After selecting POP3 as the Authentication Type, we can configure the POP3 authentication that will be applied to each wireless client in this network.

Session timeout(1-1440) : Enter the session timeout value here. This value can be from 1 to 1440 minutes. By default, this value is 60 minutes.

Band : Select 2.4GHz or 5GHz.

SSID Index : Select the SSID for this Authentication.

Authentication Type : Select the captive portal encryption type here. Options to choose from are Web Redirection, Username/Password, Passcode, Remote RADIUS, LDAP and POP3. In this section we'll discuss the POP3 option.

Web Redirection State : Default is Disable or select Enable to enable the website redirection feature.

URL Path : Select whether to use either HTTP or HTTPS here. After selecting either http:// or https://, enter the URL of the website that will be used in the space provided.

IPIF Status : Select to Enable or Disable the Captive Portal with its IP interface feature here.

VLAN Group : Enter the VLAN Group ID here

Get IP From : Static IP (Manual) is chosen here. Choose this option if you do not have a DHCP server in your network, or if you wish to assign a static IP address to the DAP-2620. When Dynamic IP

(DHCP) is selected, the other fields here will be grayed out. Please allow about 2 minutes for the DHCP client to be functional once this selection is made.

IP Address : Assign a static IP address that is within the IP address range of your network.

Subnet Mask : Enter the subnet mask. All devices in the network must share the same subnet mask.

Gateway : Enter the IP address of the gateway/router in your network.

DNS : Enter a DNS server IP address. This is usually the local IP address of your gateway/router.

Server: Enter the POP3 server's IP address or domain name here.

Port: Enter the POP server's port number here.

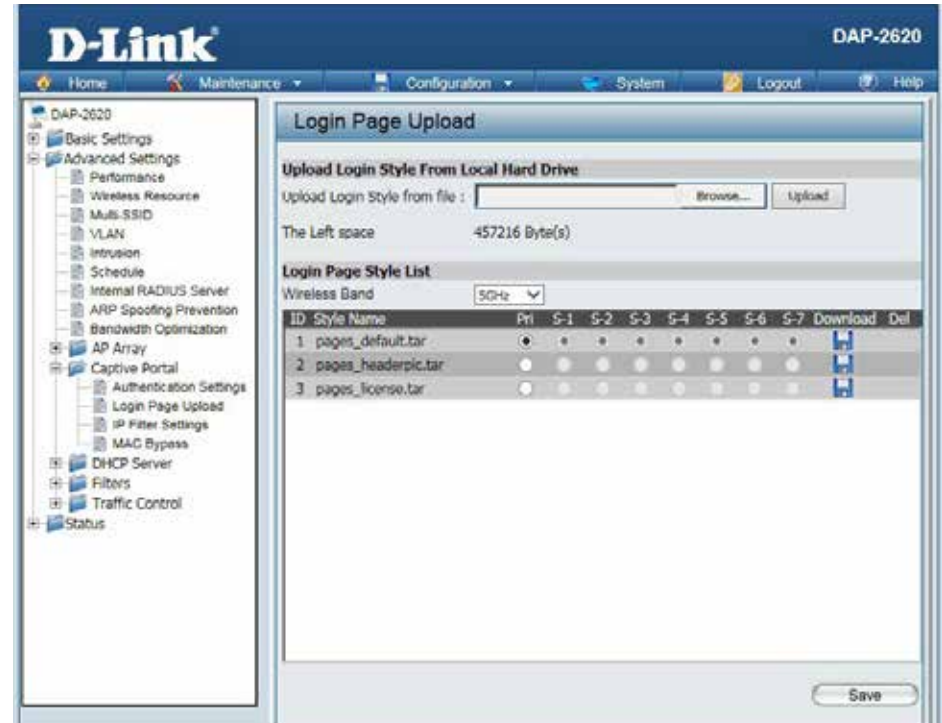
Connection Type: Select the connection type here. Options to choose from are None and SSL/TLS.

Login Page Upload

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

Upload Login Style From Local Hard Drive: In this field the path to the login style file, that will be uploaded, will be displayed. Alternatively, the path can be manually entered here.

Login Page Style List : Select the wireless band and login style that will be used in each SSID here. Click Download button to download the template file for login page and Click Del button to delete the template file.



IP Filter Settings

Enter the IP address or network address that will be used in the IP filter rule. For example, an IP address like 192.168.70.66 or a network address like 192.168.70.0. This IP address or network will be inaccessible to wireless clients in this network.

Wireless Band : Wireless Band : Select 2.4GHz or 5GHz.

IP Address: IP Address: Enter the IP address or network address

Subnet Mask: Subnet Mask: Enter the subnet mask of the IP address or networks address

Upload IP Filter File: Upload IP Filter File: To upload a IP filter list file, click Browse and navigate to the IP filter list file saved on the computer, and then click Upload.

Download IP Filter File: Download IP Filter File: To download IP Filter list file, click Download and to save the IP Filter list.

The screenshot displays the D-Link DAP-2620 web management interface. The top navigation bar includes links for Home, Maintenance, Configuration, System, Logout, and Help. The left sidebar shows a tree view of settings, with 'IP Filter Settings' highlighted under the 'Advanced Settings' section. The main panel is titled 'IP Filter Settings' and contains the following elements:

- Wireless Band:** A dropdown menu currently set to '5GHz'.
- SSID Index:** A dropdown menu currently set to 'Primary SSID'.
- IP Address:** A text input field.
- Subnet Mask:** A text input field.
- Add:** A button to add a new filter rule.
- Table:** A table with columns 'ID', 'IP Address', 'Subnet Mask', and 'Delete'.
- Upload IP Filter File:** A section with an 'Upload File' label, a text input, a 'Browse...' button, and an 'Upload' button.
- Download IP Filter File:** A section with a 'Load IP Filter File to Local Hard Driver' label, a 'Download' button, and a 'Save' button at the bottom right.

MAC Bypass

The DAP-2620 features a wireless MAC Bypass. Once a user is finished with these settings, click the Save button to let the changes take effect.

Wireless Band: Select the wireless band for MAC Bypass.

SSID Index: Select the SSID for MAC Bypass.

MAC Address: Enter each MAC address that you wish to include in your bypass list, and click Add.

MAC Address List: When a MAC address is entered, it appears in this list.
Highlight a MAC address and click the Delete icon to remove it from this list.

Upload File: To upload a MAC bypass list file, click Browse and navigate to the MAC bypass list file saved on the computer, and then click Upload.

Load MAC File to Local Hard Driver: To download MAC bypass list file, click Download and to save the MAC bypass list.

The screenshot shows the 'MAC Bypass Settings' web interface. At the top, there's a title bar. Below it, the 'Wireless Band' is set to '2.4GHz' and the 'SSID Index' is set to 'Primary SSID'. The 'MAC Address' field is empty, with an 'Add' button next to it. Below this is a table with three columns: 'ID', 'MAC Address', and 'Delete'. The table is currently empty. Under the table, there's a section for 'Upload MAC File' with an 'Upload File' input field, a 'Browse...' button, and an 'Upload' button. Below that is a section for 'Download MAC File' with a 'Load MAC File to Local Hard Driver' input field and a 'Download' button. At the bottom right, there is a 'Save' button.

ID	MAC Address	Delete
----	-------------	--------

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-2620 is capable of acting as a DHCP server.

Function Enable/Disable: Dynamic Host Configuration Protocol (DHCP) assigns dynamic IP addresses to devices on the network. This protocol simplifies network management and allows new wireless devices to receive IP addresses automatically without the need to manually assign new IP addresses. Select Enable to allow the DAP-2620 to function as a DHCP server.

IP Assigned From: Input the first IP address available for assignment on your network.

The Range of Pool (1-254): Enter the number of IP addresses available for assignment. IP addresses are increments of the IP address specified in the "IP Assigned From" field.

Subnet Mask: All devices in the network must have the same subnet mask to communicate. Enter the subnet mask for the network here.

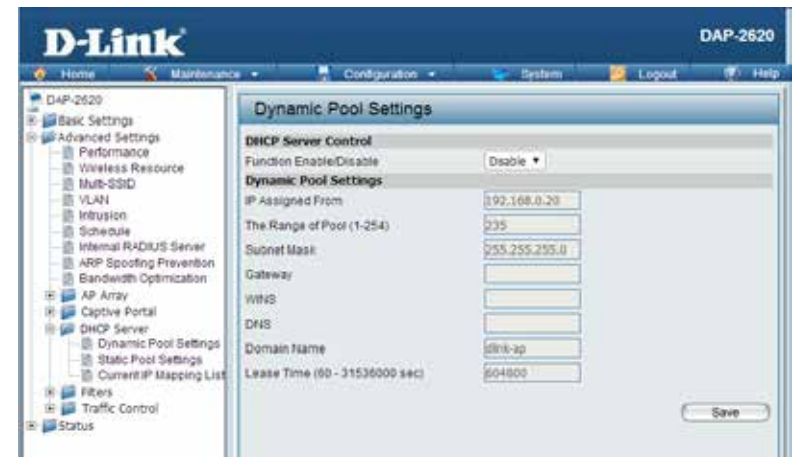
Gateway: Enter the IP address of the gateway on the network.

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 that has a dynamically assigned IP address.

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: 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 Enable/Disable: Dynamic Host Configuration Protocol (DHCP) assigns IP addresses to wireless devices on the network. This protocol simplifies network management and allows new wireless devices to receive IP addresses automatically without the need to manually assign IP addresses. Select Enable to allow the DAP-2620 to function as a DHCP server.

Assigned IP: Use the Static Pool Settings to assign the same 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 Apply; 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.

Assigned MAC Address: Enter the MAC address of the device requesting association here.

Subnet Mask: Define the subnet mask of the IP address specified in the "IP Assigned From" field.

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 DNS server address for your wireless network.

Domain Name: Specify the domain name for the network.

Static Pool Settings				
DHCP Server Control				
Function Enable/Disable	Enable ▼			
Static Pool Setting				
Host Name	<input type="text"/>			
Assigned IP	<input type="text"/>			
Assigned MAC Address	<input type="text"/> : <input type="text"/> : <input type="text"/> : <input type="text"/> : <input type="text"/> : <input type="text"/>			
Subnet Mask	255.255.255.0			
Gateway	<input type="text"/>			
WINS	<input type="text"/>			
DNS	<input type="text"/>			
Domain Name	dlink-ap			
Save				
Host Name	MAC Address	IP Address	Edit	Delete

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.

Binding MAC Address: The MAC address of a device on the network that is assigned an IP address from the DHCP dynamic pool.

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

Lease Time: The length of time that the dynamic IP address will be valid.

Current DHCP Static Pools: These are the IP address pools of the DHCP server assigned through the static pool settings.

Binding MAC Address: The MAC address of a device on the network that is within the DHCP static IP address pool.

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

Binding MAC Address: The MAC address of a device on the network that is assigned an IP address from the DHCP dynamic pool.

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

Current IP Mapping List			
Current DHCP Dynamic Pools			
Host Name	Binding MAC Address	Assigned IP Address	Lease Time
Current DHCP Static Pools			
Host Name	Binding MAC Address	Assigned IP Address	

Filters

Wireless MAC ACL

This page allows the user to configure Wireless MAC ACL settings for access control.

Wireless Band: Displays the current wireless band rate.

Access Control List: Select **Disable** to disable the filters function.

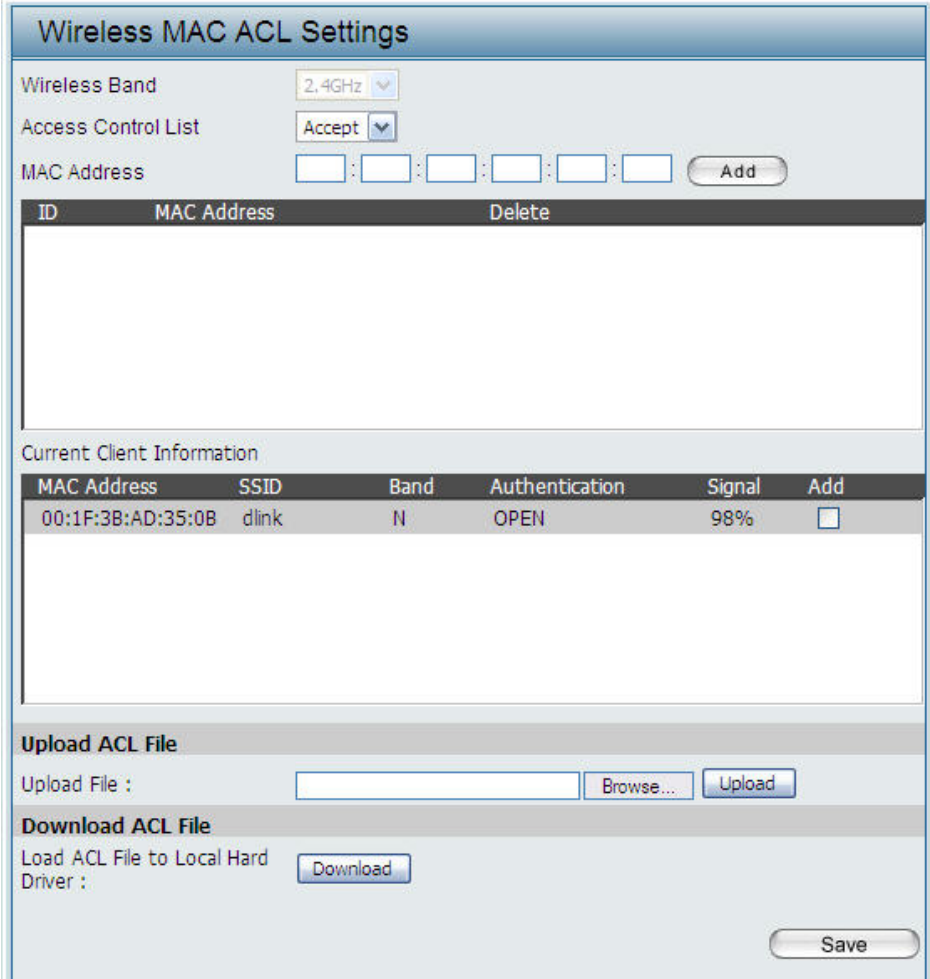
Select **Accept** to accept only those devices with MAC addresses in the Access Control List. All other devices not on the list will be rejected.

Select **Reject** to reject the devices with MAC addresses on the Access Control List. All other devices not on the list will be accepted.

MAC Address: Enter each MAC address that you wish to include in your filter list, and click Apply.

MAC Address List: When you enter a MAC address, it appears in this list. Highlight a MAC address and click Delete to remove it from this list.

Current Client Information: This table displays information about all the current connected stations.



The screenshot shows the 'Wireless MAC ACL Settings' web interface. At the top, there's a title bar. Below it, the 'Wireless Band' is set to '2.4GHz'. The 'Access Control List' is set to 'Accept'. There's a 'MAC Address' input field with an 'Add' button. Below this is a table with columns 'ID', 'MAC Address', and 'Delete'. The 'Current Client Information' section contains a table with columns 'MAC Address', 'SSID', 'Band', 'Authentication', 'Signal', and 'Add'. The first row shows '00:1F:3B:AD:35:0B', 'dlink', 'N', 'OPEN', '98%', and an 'Add' checkbox. At the bottom, there are sections for 'Upload ACL File' (with 'Upload File', 'Browse...', and 'Upload' buttons) and 'Download ACL File' (with 'Load ACL File to Local Hard Driver' and a 'Download' button). A 'Save' button is at the very bottom right.

Wireless MAC ACL Settings

Wireless Band: 2.4GHz

Access Control List: Accept

MAC Address: [] : [] : [] : [] : [] : [] **Add**

ID	MAC Address	Delete
----	-------------	--------

Current Client Information

MAC Address	SSID	Band	Authentication	Signal	Add
00:1F:3B:AD:35:0B	dlink	N	OPEN	98%	<input type="checkbox"/>

Upload ACL File

Upload File : [] **Browse...** **Upload**

Download ACL File

Load ACL File to Local Hard Driver : **Download**

Save

WLAN Partition

This page allows the user to configure a WLAN Partition.

Wireless Band: Displays the current wireless band.

Link Integrity: Select **Enable** or **Disable**. If the Ethernet connection between the LAN and the AP is disconnected, enabling this feature will cause the wireless segment associated with the AP to be disassociated from the AP.

Ethernet 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.

Internal Station Connection: The default value is Enable, which allows stations to intercommunicate by connecting to a target AP. When disabled, wireless stations cannot exchange data on the same Multi-SSID. In Guest mode, wireless stations cannot exchange data with any station on your network.

WLAN Partition

Wireless Band

2.4GHz

Link Integrity

Disable

Ethernet to WLAN Access

Enable

Internal Station Connection

Primary SSID	<input checked="" type="radio"/> Enable	<input type="radio"/> Disable	<input type="radio"/> Guest mode
Multi-SSID 1	<input type="radio"/> Enable	<input type="radio"/> Disable	<input type="radio"/> Guest mode
Multi-SSID 2	<input type="radio"/> Enable	<input type="radio"/> Disable	<input type="radio"/> Guest mode
Multi-SSID 3	<input type="radio"/> Enable	<input type="radio"/> Disable	<input type="radio"/> Guest mode
Multi-SSID 4	<input type="radio"/> Enable	<input type="radio"/> Disable	<input type="radio"/> Guest mode
Multi-SSID 5	<input type="radio"/> Enable	<input type="radio"/> Disable	<input type="radio"/> Guest mode
Multi-SSID 6	<input type="radio"/> Enable	<input type="radio"/> Disable	<input type="radio"/> Guest mode
Multi-SSID 7	<input type="radio"/> Enable	<input type="radio"/> Disable	<input type="radio"/> Guest mode

Save

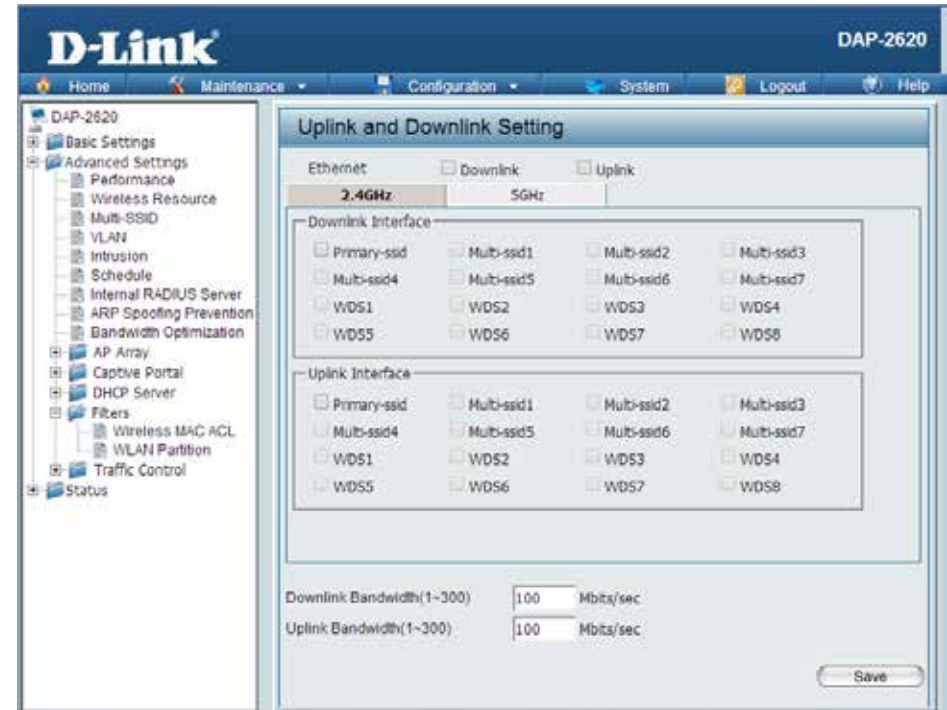
Traffic Control

Uplink/Downlink Setting

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.

Uplink Bandwidth: Uplink Bandwidth: The uplink bandwidth in Mbits per second.



QoS

Quality of Service (QoS) enhances the experience of using a network by prioritizing the traffic of different applications. The DAP-2620 supports four priority levels. Once the desired QoS settings are finished, click the **Save** button to let your changes take effect.

Enable QoS: Check this box to allow QoS to prioritize traffic. Use the drop-down menus to select the four levels of priority. Click the Save button when you are finished.

Downlink Bandwidth: Downlink Bandwidth: The downlink bandwidth in Mbits per second. This value is entered in the Uplink/Downlink Setting window.

Uplink Bandwidth: Uplink Bandwidth: The uplink bandwidth in Mbits per second. This value is entered in the Uplink/Downlink Setting window.

The screenshot shows the 'QoS' configuration window. At the top, there is a section titled 'QoS' with a sub-section 'Enable QoS' containing an unchecked checkbox. Below this is the 'Advanced QoS' section. It includes fields for 'Downlink Bandwidth' (100 Mbits/sec) and 'Uplink Bandwidth' (100 Mbits/sec). There are several rows for traffic prioritization, each with a priority level dropdown, a limit percentage, and a port range. The rows are: ACK/DHCP/ICMP/DNS Priority (Highest Priority, 100%, 53,67,68,546,547), Web Traffic Priority (Third Priority, 100%, 80,443,3128,8080), Mail Traffic Priority (Second Priority, 100%, 25,110,465,995), Ftp Traffic Priority (Low Priority, 100%, 20,21), User Defined-1 Priority (Highest Priority, 100%, 0 - 0), User Defined-2 Priority (Second Priority, 100%, 0 - 0), User Defined-3 Priority (Third Priority, 100%, 0 - 0), User Defined-4 Priority (Low Priority, 100%, 0 - 0), and Other Traffic Priority (Low Priority, 100%, %). A 'Save' button is located at the bottom right of the window.

Traffic Type	Priority	Limit	%	Port Range
ACK/DHCP/ICMP/DNS	Highest Priority	100	%	53,67,68,546,547
Web Traffic	Third Priority	100	%	80,443,3128,8080
Mail Traffic	Second Priority	100	%	25,110,465,995
Ftp Traffic	Low Priority	100	%	20,21
User Defined-1	Highest Priority	100	%	0 - 0
User Defined-2	Second Priority	100	%	0 - 0
User Defined-3	Third Priority	100	%	0 - 0
User Defined-4	Low Priority	100	%	0 - 0
Other Traffic	Low Priority	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.

Unlisted Client Traffic: Select **Deny** or **Forward** to determine how to deal with unlisted client traffic.

Downlink Bandwidth: The downlink bandwidth in Mbits per second. This value is entered in the Uplink/Downlink Setting window.

Uplink Bandwidth: Uplink Bandwidth: The uplink bandwidth in Mbits per second. This value is entered in the Uplink/Downlink Setting window.

The screenshot shows the 'Traffic Manager' configuration window. At the top, there's a title bar 'Traffic Manager'. Below it, the 'Traffic Manager' status is set to 'Disable' with a dropdown arrow. The 'Unlisted Clients Traffic' section has two radio buttons: 'Deny' (selected) and 'Forward'. The 'Downlink Bandwidth' is set to '100' Mbits/sec, and the 'Uplink Bandwidth' is also set to '100' Mbits/sec. Below these is a section titled 'Add Traffic Manager Rule' with input fields for 'Name', 'Client IP(optional)', and 'Client MAC(optional)'. There are also input fields for 'Downlink Speed' and 'Uplink Speed', both with 'Mbits/sec' units. At the bottom of this section are 'Add' and 'Clear' buttons. Below the 'Add Traffic Manager Rule' section is a table titled 'Traffic Manager Rules'. The table has columns: 'Name', 'Client IP', 'Client MAC', 'Downlink Speed', 'Uplink Speed', 'Edit', and 'Del'. The table is currently empty. At the bottom right of the window is a 'Save' button.

Name	Client IP	Client MAC	Downlink Speed	Uplink Speed	Edit	Del
------	-----------	------------	----------------	--------------	------	-----

Status

In the Status Section the user can monitor and view configuration settings of the access point. Here the user can also view statistics about client information, WDS information and more. The following pages will explain settings found in the Status section in more detail.

The screenshot displays the D-Link DAP-2620 web interface. The top navigation bar includes links for Home, Maintenance, Configuration, System, Logout, and Help. A left sidebar menu shows the following structure:

- DAP-2620
 - Basic Settings
 - Wireless
 - LAN
 - IPv6
 - Advanced Settings
 - Status
 - Device Information
 - Client Information
 - WDS Information
 - Channel Analyze
 - Statistics
 - Log

The main content area is titled "Device Information" and displays the following settings:

Firmware Version: 1.05

Ethernet MAC Address: 70:62:b8:50:d2:40

Wireless MAC Address(2.4GHz): Primary: 70:62:b8:50:d2:40
SSID 1~7: 70:62:b8:50:d2:41 ~ 70:62:b8:50:d2:47

Wireless MAC Address(5GHz): Primary: 70:62:b8:50:d2:48
SSID 1~7: 70:62:b8:50:d2:49 ~ 70:62:b8:50:d2:4f

Ethernet

IP Address: 192.168.0.50

Subnet Mask: 255.255.255.0

Gateway: N/A

DNS

Wireless (2.4GHz)

Network Name (SSID): dlink

Channel: 1

Data Rate: Auto

Security: None

Wireless (5GHz)

Network Name (SSID): dlink

Channel: 149

Data Rate: Auto

Security: None

AP Array

AP Array: d-link

Role: Slave

Location

Device Status

CPU Utilization: 3%

Memory Utilization: 24%

Device Information

This page displays the current information like firmware version, Ethernet and wireless parameters, as well as the information regarding CPU and memory utilization.

Device Information: This read-only window displays the configuration settings of the DAP-2620, including the firmware version and the device's MAC address.

The screenshot shows the D-Link DAP-2620 web interface. The top navigation bar includes links for Home, Maintenance, Configuration, System, Logout, and Help. The left sidebar menu shows the following structure:

- DAP-2620
 - Basic Settings
 - Wireless
 - LAN
 - PvS
 - Advanced Settings
 - Status
 - Device Information
 - Client Information
 - WDS Information
 - Channel Analyze
 - Statistics
 - Log

The main content area displays the **Device Information** page. The information is organized into several sections:

- Firmware Version: 1.05**
 - Ethernet MAC Address: 70:82:b8:50:d2:40
 - Wireless MAC Address(2.4GHz): Primary: 70:82:b8:50:d2:40
SSID 1-7: 70:82:b8:50:d2:41 - 70:82:b8:50:d2:47
 - Wireless MAC Address(5GHz): Primary: 70:82:b8:50:d2:40
SSID 1-7: 70:82:b8:50:d2:49 - 70:82:b8:50:d2:4f
- Ethernet**
 - IP Address: 192.168.0.50
 - Subnet Mask: 255.255.255.0
 - Gateway: N/A
 - DNS
- Wireless (2.4GHz)**
 - Network Name (SSID): dlink
 - Channel: 1
 - Data Rate: Auto
 - Security: None
- Wireless (5GHz)**
 - Network Name (SSID): dlink
 - Channel: 149
 - Data Rate: Auto
 - Security: None
- AP Array**
 - AP Array: d-link
 - Role: Slave
 - Location
- Device Status**
 - CPU Utilization: 3%
 - Memory Utilization: 24%
- Central WiFi Manager**
 - Connection Status: Disconnect
 - Server IP
 - Service Port
 - Live Port
 - Group ID

Client Information

This page displays the associated clients SSID, MAC, band, authentication method, signal strength, and power saving mode for the DAP-2620 network.

Client Information: This window displays the wireless client information for clients currently connected to the DAP-2620.

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.

RSSI: Displays the client's signal strength.

Power Saving Mode: Displays the status of the power saving feature.

Client Information					
Client Information Station association (2.4GHz) : 2					
SSID	MAC	Band	Authentication	RSSI	Power Saving Mode
Primary SSID	F8:A4:5F:72:C7:5C	N	OPEN	11%	On
Primary SSID	04:FE:31:D5:08:06	N	OPEN	67%	Off
Client Information Station association(5GHz) : 0					
SSID	MAC	Band	Authentication	RSSI	Power Saving Mode

WDS Information Page

This page displays the access points SSID, MAC, band, authentication method, signal strength, and status for the DAP-2620's Wireless Distribution System network.

WDS Information: This window displays the Wireless Distribution System information for clients currently connected to the DAP-2620.

Name: Displays the SSID of the client.

MAC: Displays the MAC address of the client.

Authentication: Displays the type of authentication being used.

Signal: Displays the client's signal strength.

Status: Displays the status of the power saving feature.

WDS Information				
WDS Information		Channel : 1 (2.412 GHz)		
Name	MAC	Authentication	Signal	Status
WDS Information		Channel : 36 (5.18 GHz)		
Name	MAC	Authentication	Signal	Status

Channel Analyze

- Wireless Band:** Select either 2.4Ghz or 5GHz.
- Detect:** Click the Detect button to scan.
- AP List:** This will list the transmitting channels and quality.

Channel Analyze

Wireless Band

2.4GHz

2.4GHz

5GHz

Detect

Wireless Summary

AP List

CH	AP Num	MRssi(%)	ARssi(%)	Evaluation
----	--------	----------	----------	------------

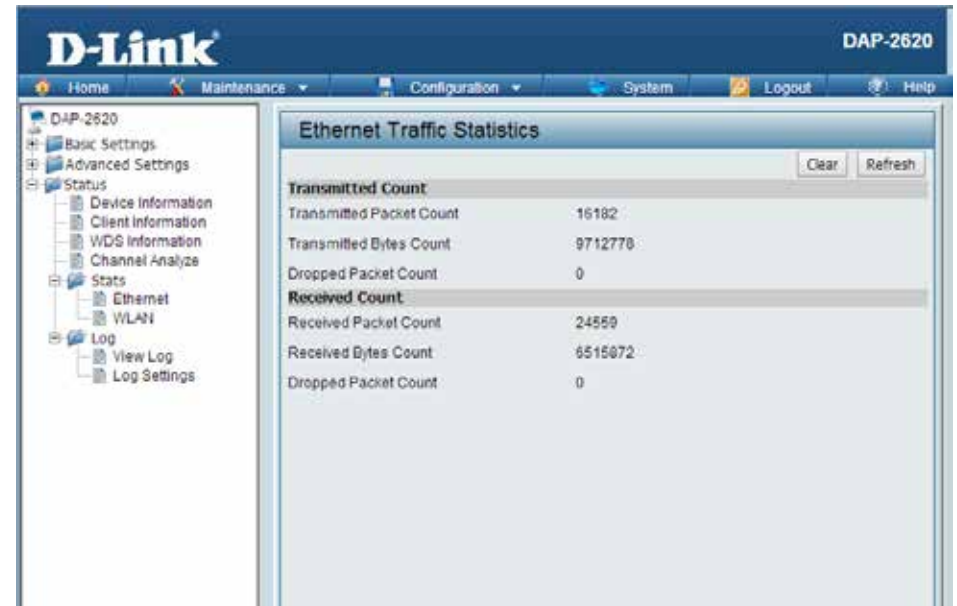
* There are only three non-overlapped channels in 2.4G band, respectively 1,6 and 11.

Stats Page

Ethernet Traffic Statistics

Displays wired interface network traffic information.

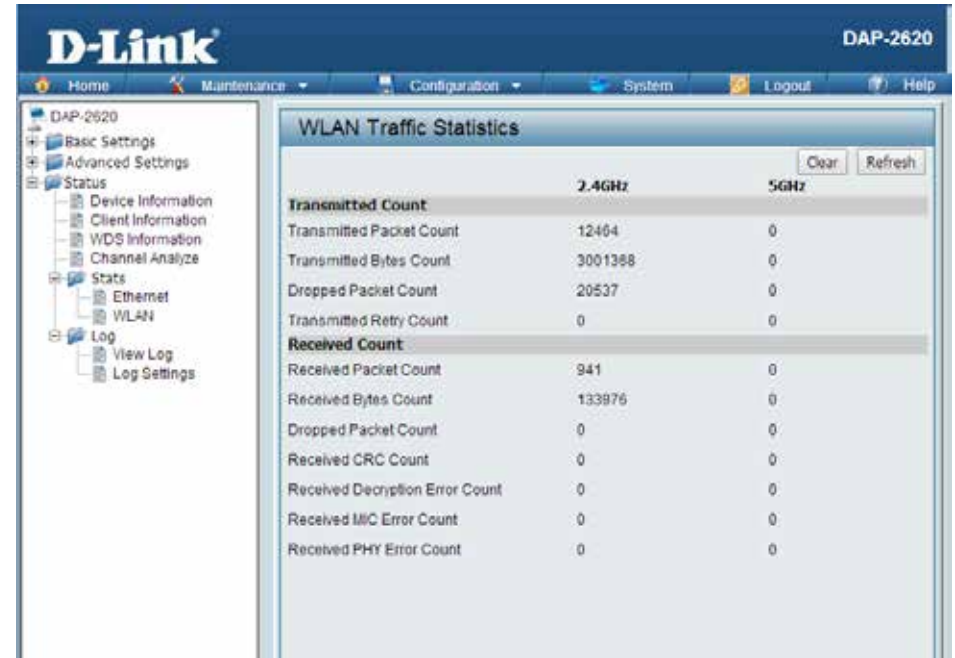
Ethernet Traffic Statistics: This page displays transmitted and received count statistics for packets and bytes.



WLAN Traffic Statistics

Displays throughput, transmitted frame, received frame, and WEP frame error information for the AP network.

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



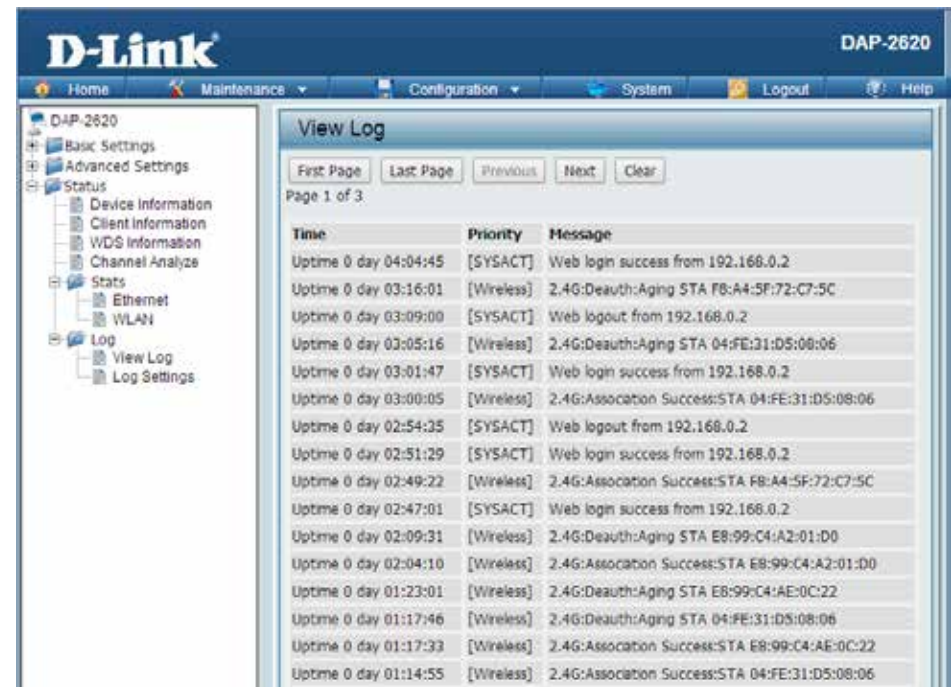
	2.4GHz	5GHz
Transmitted Count		
Transmitted Packet Count	12464	0
Transmitted Bytes Count	3001368	0
Dropped Packet Count	20537	0
Transmitted Retry Count	0	0
Received Count		
Received Packet Count	941	0
Received Bytes Count	133976	0
Dropped Packet Count	0	0
Received CRC Count	0	0
Received Decryption Error Count	0	0
Received MIC Error Count	0	0
Received PHY Error Count	0	0

Log

View Log

The AP's embedded memory holds logs here. 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.

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.



Log Settings

Enter the log server's IP address to send the log to that server. Check or uncheck System Activity, Wireless Activity, or Notice to specify what kind of log type you want it to log.

Log Server/IP Address: Enter the IP address of the server you would like to send the DAP-2620 log to.

Log Type: Check the box for the type of activity you want to log. There are three types: System Activity, Wireless Activity, and Notice.

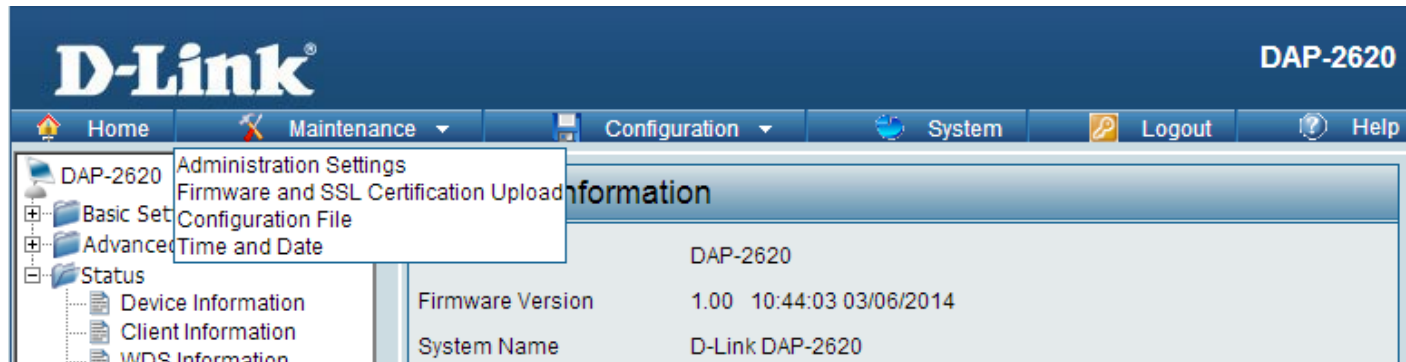
E-mail Notification: Support Simple Mail Transfer Protocol for log schedule and periodical change key. It can not support Gmail SMTP port 465. Please set to Gmail SMTP port 25 or 587.

E-mail Log Schedule: Use the drop-down menu to set the e-mail log schedule.

The screenshot shows the D-Link DAP-2620 web interface. The top navigation bar includes Home, Maintenance, Configuration, System, Logout, and Help. The left sidebar lists various settings categories: Basic Settings, Advanced Settings, Status (Device Information, Client Information, WDS Information, Channel Analyze), Stats (Ethernet, WLAN), Log (View Log, Log Settings), and Log Settings. The main content area is titled 'Log Settings' and contains three sections: 'Log Settings', 'Email Notification', and 'Email Log Schedule'. In the 'Log Settings' section, there is a text input for 'Log Server / IP Address' and three checked checkboxes for 'Log Type': System Activity, Wireless Activity, and Notice. The 'Email Notification' section has an 'Email Notification' checkbox (unchecked), a dropdown for 'Outgoing mail server (SMTP)' set to 'Internal', and checkboxes for 'Authentication' and 'SSL/TLS' (both unchecked). Below these are text inputs for 'From Email Address', 'To Email Address', 'Email Server Address', 'SMTP Port', 'User Name', 'Password', and 'Confirm Password'. The 'Email Log Schedule' section has a 'Schedule' dropdown set to '0' and the text 'hours or when Log is full'. A 'Save' button is located at the bottom right of the form.

Maintenance Section

In the Status Section the user can monitor and view configuration settings of the access point. Here the user can also view statistics about client information, WDS information and more. The following pages will explain settings found in the maintenance section in more detail.



Administration

Limit Administrator

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

Limit Administrator IP: Check to enable the Limit Administrator IP address.

IP Range: Enter the IP address range that the administrator will be allowed to log in from and then click the Add button.

The screenshot shows the D-Link DAP-2620 web interface. The left sidebar contains a tree menu with categories: Basic Settings, Advanced Settings, Status, Device Information, Client Information, WDS Information, Channel Analyze, Stats, Ethernet, WLAN, Log, View Log, and Log Settings. The main content area is titled 'Administration Settings' and features the 'Limit Administrator' section, which is currently selected. This section includes checkboxes for 'Limit Administrator VLAN ID' and 'Limit Administrator IP', each with an 'Enable' checkbox and a corresponding input field. Below these is an 'IP Range' section with 'From' and 'To' input fields and an 'Add' button. A table with columns 'Item', 'From', 'To', and 'Delete' is positioned below the IP Range section. At the bottom of the page, there are links to 'System Name Settings', 'Login Settings', 'Console Settings', 'SNMP Settings', and 'Dns Control Settings'.

Item	From	To	Delete
------	------	----	--------

System Name Settings

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

System Name: The name of the device. The default name is D-Link DAP-2620.

Location: The physical location of the device, e.g. 72nd Floor, D-Link HQ.



The screenshot shows the 'System Name Settings' page. At the top, there is a header 'System Name Settings' with a green checkmark icon. Below the header, there are two input fields: 'System Name' with the value 'D-Link DAP-2620' and 'Location' which is currently empty.

Login Settings

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

User Name: Enter a user name. The default is admin.

Old Password: When changing your password, enter the old password here.

New Password: When changing your password, enter the new password here. The password is case-sensitive. "A" is a different character than "a." The length should be between 0 and 12 characters.

Confirm Password: Enter the new password a second time for confirmation purposes.



The screenshot shows the 'Login Settings' page. At the top, there is a header 'Login Settings' with a green checkmark icon. Below the header, there are four input fields: 'Login Name' with the value 'admin', 'Old Password', 'New Password', and 'Confirm Password', all of which are currently empty.

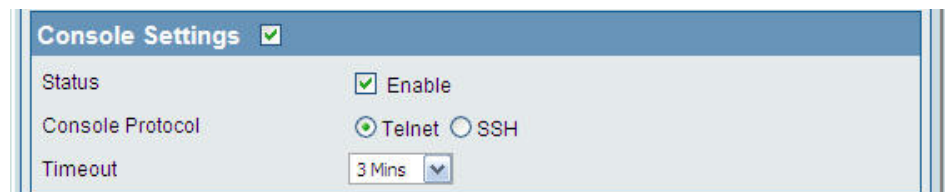
Console Settings

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

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

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

Time-out: Set to 1 Min, 3 Mins, 5 Mins, 10 Mins, 15 Mins or Never.



The screenshot shows the 'Console Settings' page. At the top, there is a header 'Console Settings' with a green checkmark icon. Below the header, there are three settings: 'Status' with a checked checkbox and the text 'Enable', 'Console Protocol' with radio buttons for 'Telnet' (selected) and 'SSH', and 'Timeout' with a dropdown menu showing '3 Mins'.

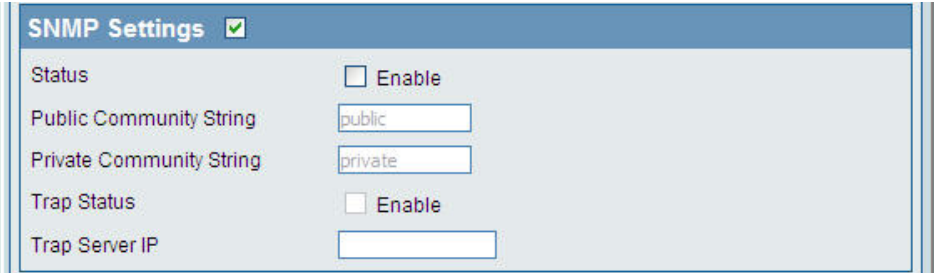
SNMP Settings

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

Status: Check the box to enable the SNMP functions. This is enabled by default.

Public Community String: Enter the public SNMP community string.

Private Community String: Enter the private SNMP community string.



The screenshot shows the 'SNMP Settings' page in a web browser. The title bar is blue with the text 'SNMP Settings' and a green checkmark icon. Below the title bar, there are five settings: 'Status' with an unchecked checkbox and the text 'Enable'; 'Public Community String' with a text input field containing 'public'; 'Private Community String' with a text input field containing 'private'; 'Trap Status' with an unchecked checkbox and the text 'Enable'; and 'Trap Server IP' with an empty text input field.

SNMP Settings <input checked="" type="checkbox"/>	
Status	<input type="checkbox"/> Enable
Public Community String	<input type="text" value="public"/>
Private Community String	<input type="text" value="private"/>
Trap Status	<input type="checkbox"/> Enable
Trap Server IP	<input type="text"/>

Administration

Central WiFiManager Settings

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

Enable Central WiFiManager: Select to enable or disable the Central WiFiManager.

Central WiFiManager Setting ☒

Enable Central WiFiManager Disable ▾

Firmware and SSL 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.

Firmware and SSL Certification Upload:

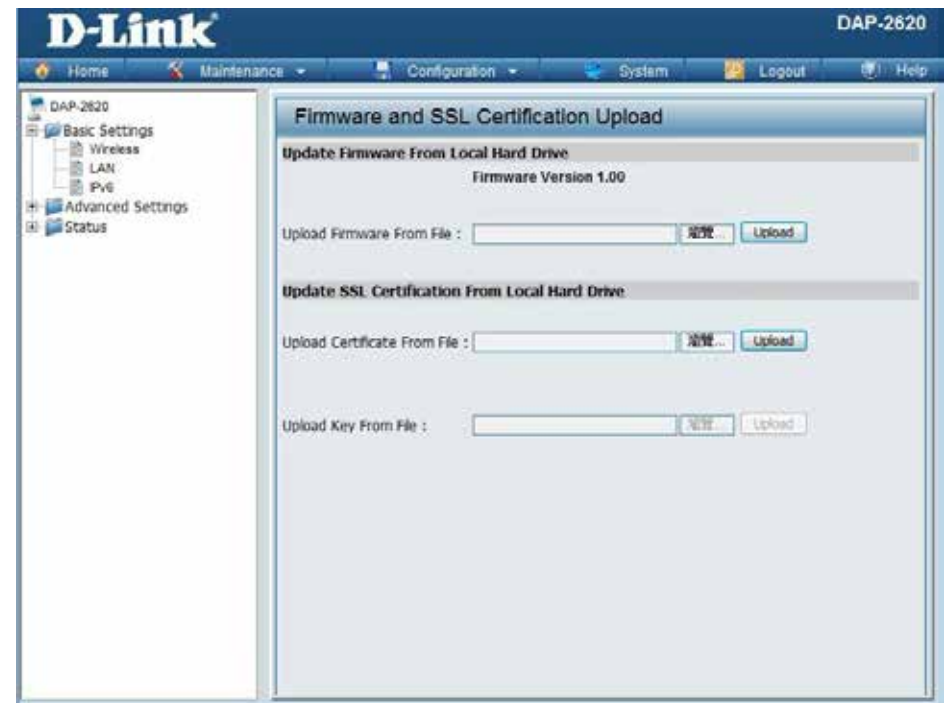
You can upload files to the access point.

Upload Firmware from Local Hard Drive:

The current firmware version is displayed above the file location field. After the latest firmware is downloaded, click on the "Choose File" button to locate the new firmware. Once the file is selected, click on the "Open" and "Upload" button to begin updating the firmware. Please don't turn the power off while upgrading.

Upload SSL Certification from Local Hard Drive:

After you have downloaded a SSL certification to your local drive, click "Choose File." Select the certification and click "Open" and "Upload" to complete the upgrade.



Configuration File Upload

This page allows the user to backup and recover the current configuration of the access point in case of a unit failure.

Configuration File Upload and Download: You can upload and download configuration files of the access point.

Upload Configuration File: Browse to the saved configuration file you have in local drive and click "Open" and "Upload" to update the configuration.

Download Configuration File: Click "Download" to save the current configuration file to your local disk. Note that if you save one configuration file with the administrator's password now, after resetting your DAP-2620 and then updating to this saved configuration file, the password will be gone.



Time and Date Settings

Enter the NTP server IP, choose the time zone, and enable or disable daylight saving time.

Current Time: Displays the current time and date settings.

Enable NTP Server: Check to enable the AP to get system time from an NTP server from the Internet.

NTP Server: Enter the NTP server IP address.

Time Zone: Use the drop-down menu to select your correct Time Zone.

Enable Daylight Saving: Check the box to enable Daylight Saving Time.

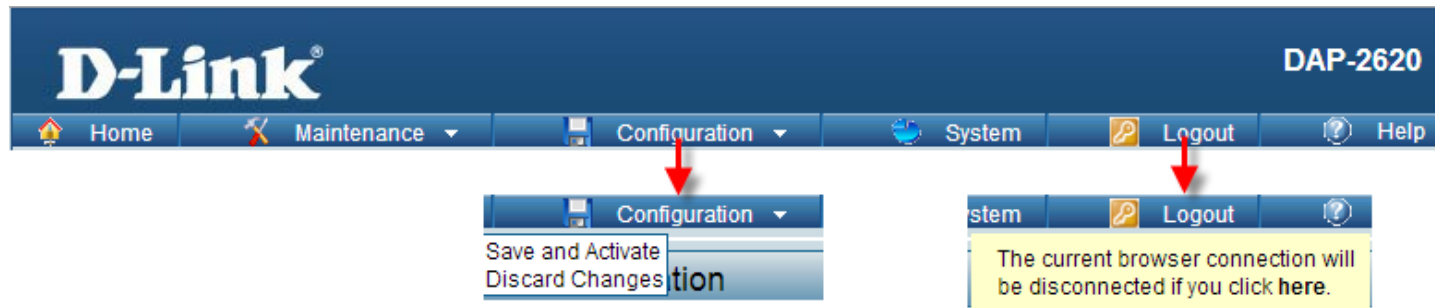
Daylight Saving Dates: Use the drop-down menu to select the correct Daylight Saving offset.

Set the Date and Time Manually: A user can either manually set the time for the AP here, or click the Copy Your Computer's Time Settings button to copy the time from the computer in use (Make sure that the computer's time is set correctly).

The screenshot shows the D-Link DAP-2620 web interface. The top navigation bar includes links for Home, Maintenance, Configuration, System, Logout, and Help. A sidebar on the left lists DAP-2620, Basic Settings, Advanced Settings, and Status. The main content area is titled 'Time and Date Settings' and contains three sections: 'Time Configuration' showing the current time as 01/01/1970 04:15:56; 'Automatic Time Configuration' with checkboxes for 'Enable NTP Server' and 'Enable Daylight Saving', an 'NTP Server' text field, and a 'Time Zone' dropdown menu currently set to '(GMT+08:00) Ulaan Batair'; and 'Set the Date and Time Manually' with dropdowns for Year (2014), Month (Mar), Day (12), Hour (15), Minute (13), and Second (5), along with a 'Copy Your Computer's Time Settings' button. A 'Save' button is located at the bottom right of the configuration area.

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 or clear the language pack settings. 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.



System Settings

On this page the user can restart the unit, perform a factory reset of the access point or clear the added language pack.

Restart the Device: Click Restart to restart the DAP-2620.

Restore to Factory Default Settings: Click Restore to restore the DAP-2620 back to factory default settings.

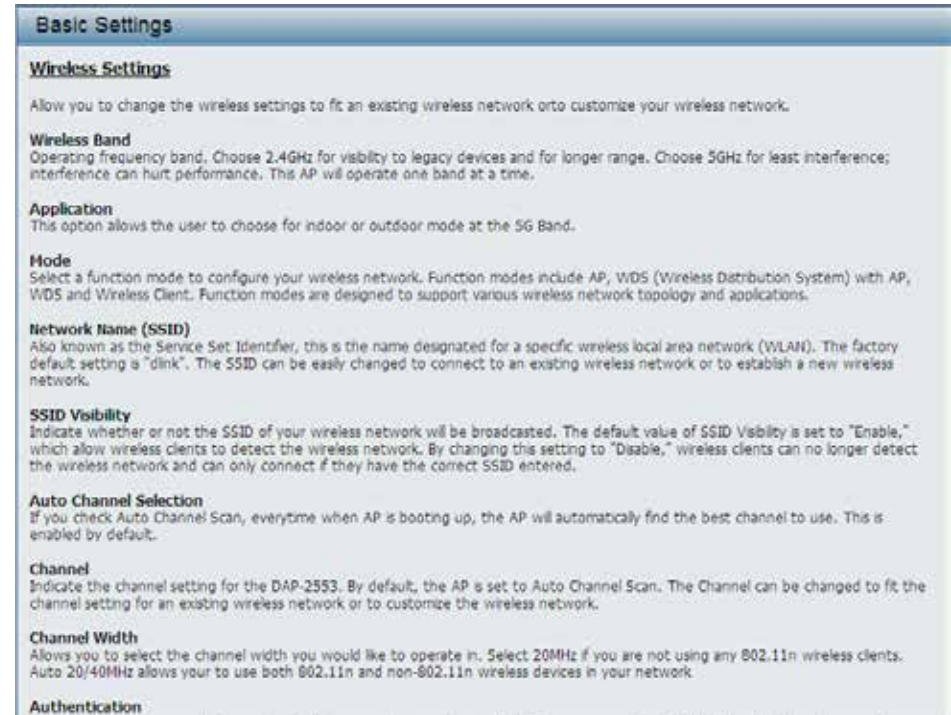
Clear Language Pack: Click to clear the current Language pack running.



Help

The help page is useful to view a brief description of a function available on the access point in case the manual is not present.

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



Federal Communication Commission Interference Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

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

FCC Caution:

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

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Operations in the 5.15-5.25GHz band are restricted to indoor usage only.

Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 24cm between the radiator & your body.

Registration

Register your product online at www.onlineregister.com/dlink



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

Version 1.00
March 19, 2019