

MAC Address Filter

Use MAC (Media Access Control) Filters to authorize wireless clients by their MAC addresses to access your network. When enabled, any client not on the MAC filter list will not be able to access your network.

MAC Address Filter: Select **Enable** or **Disable** from the drop-down menu.

MAC Address: Enter the MAC address you would like to filter. To find the MAC address on a computer, please refer to the Networking Basics section in this manual. Click **Save Settings** to activate and save.

Note: Make sure you enter the computer you are currently using to configure the access point first or you will not be able to access the configuration utility once you click Save Settings.

MAC Filter List: Displays the list of clients in the filter list.

The screenshot shows the D-Link configuration utility for a DAP-1350 AP. The interface is divided into several sections:

- Navigation:** A top bar with the D-Link logo and a menu with tabs for SETUP, ADVANCED, MAINTENANCE, STATUS, and HELP. A left sidebar contains links for MAC ADDRESS FILTER, ADVANCED WIRELESS, USER LIMIT, and LOGOUT.
- MAC ADDRESS FILTER:** A section with an orange header. It contains a message: "The DAP-1350 can be setup to deny or only allow access to wireless clients with the listed MAC addresses." Below this are two buttons: "Save Settings" and "Don't Save Settings".
- WIRELESS ACCESS SETTINGS:** A section with a dark header. It contains the instruction: "Use the client's MAC Address to authorize network access through the Access Point." Below this, there is a "MAC Address Filter" dropdown menu set to "Disable" and a "MAC Address" input field with a "Clear" button.
- MAC FILTER LIST:** A table with a dark header. It has columns for "MAC Address", "Edit", and "Del".
- Helpful Hints...:** A sidebar on the right containing "Wireless Access Settings" (instructions on creating a list of MAC addresses) and "Connected PCs" (instructions on viewing MAC addresses of connected STAs).

Advanced Wireless

Transmit Power: Sets the transmit power of the antennas.

Note: Transmit power is regulated by international standard. Users are forbidden to change its maximum limit.

Beacon Period: Beacons are packets sent by an access point to synchronize a wireless network. Specify a value. 100 is the default setting and is recommended.

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

RTS Threshold: This value should remain at its default setting of 2346. If inconsistent data flow is a problem, only a minor modification should be made.

Fragmentation Threshold: The fragmentation threshold, which is specified in bytes, determines whether packets will be fragmented. Packets exceeding the 2346 byte setting will be fragmented before transmission. 2346 is the default setting.

WMM Enable: WMM is QoS for your wireless network. This will improve the quality of video and voice applications for your wireless clients.

Short GI: Check this box to reduce the guard interval time therefore increasing the data capacity. However, it's less reliable and may create higher data loss.

D-Link

DAP-1350 // AP

SETUP **ADVANCED** MAINTENANCE STATUS HELP

MAC ADDRESS FILTER

ADVANCED WIRELESS

These options are for users that wish to change the behaviour of their 802.11g wireless radio from the standard setting. D-link does not recommend changing these settings from the factory default. Incorrect settings may impair the performance of your wireless radio. The default settings should provide the best wireless radio performance in most environments.

Save Settings Don't Save Settings

USER LIMIT

LOGOUT

ADVANCED WIRELESS SETTINGS

Transmit Power : 100% ▾

Beacon Period : 100 (20..1024)

DTIM Interval : 1 (1..255)

RTS Threshold : 2346 (1..2347)

Fragmentation Threshold : 2346 (256..2346)

WMM Enable :

Short GI :

IGMP Snooping :

WLAN Partition :

Helpful Hints...

Advanced Wireless:
It is recommended that you leave these options at their default values. Adjusting them could negatively impact the performance of your wireless network. The options on this page should be changed by advanced users or if you are instructed to by one of our support personnel, as they can negatively affect the performance of your Access Point if configured improperly.

Transmit Power:
You can lower the output power of the DAP-1350 by selecting lower percentage Transmit Power values from the drop down. Your choices are:

User Limit

Enter the maximum number of wireless clients that can connect at one time to your access point.

Enable User Limit: Check the **Enable User Limit** box to enable this feature.

User Limit: Enter the maximum number of clients, between 1 and 32.

Save Settings: Click **Save Settings** to save and activate the new changes.

The screenshot shows the D-Link configuration interface for a DAP-1350 AP. The top navigation bar includes 'DAP-1350 // AP', 'SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. The 'ADVANCED' tab is selected, and the 'USER LIMIT SETTINGS' section is highlighted in orange. This section contains the text: 'Please Apply the settings to limit how many wireless stations connecting to AP.' Below this text are two buttons: 'Save Settings' and 'Don't Save Settings'. A 'LOGOUT' link is visible in the left sidebar. Below the orange section, the 'USER LIMIT SETTINGS' are displayed with 'Enable User Limit' set to an unchecked checkbox and 'User Limit(1 - 32)' set to a text input field containing the number '0'. A 'WIRELESS' label is at the bottom of the page. On the right side, a 'Helpful Hints...' section provides additional information: 'User Limit can set a limit upon the number of wireless clients. Using user limit, you can prevent scenarios where the DAP-1350 in your network shows performance degradation because it is handling heavy wireless traffic.'

Admin

This page will allow you to change the Administrator password. The administrator password has read/write access.

Password: Enter a new password for the Administrator Login Name. The administrator can make changes to the settings.

Verify Password: Enter the same password that you entered in the previous textbox in order to confirm its accuracy.

Enable Graphical Authentication: Enables a challenge-response test to require users to type letters or numbers from a distorted image displayed on the screen to prevent online hackers and unauthorized users from gaining access to your router's network settings. This feature is disabled by default.

The screenshot shows the D-Link web interface for a DAP-1350 AP. The top navigation bar includes tabs for SETUP, ADVANCED, MAINTENANCE, STATUS, and HELP. The left sidebar lists menu items: ADMIN, SYSTEM, FIRMWARE, TIME, SCHEDULES, and LOGOUT. The main content area is titled 'ADMINISTRATOR SETTINGS' and contains the following sections:

- ADMINISTRATOR SETTINGS:** A text box with instructions: "Enter the new password in the 'New Password' field and again in the next field to confirm. Click on 'Save Settings' to execute the password change. The Password is case-sensitive, and can be made up of any keyboard characters. The new password must be between 0 and 15 characters in length." Below this are two buttons: "Save Settings" and "Don't Save Settings".
- PASSWORD:** A section with the instruction: "Please enter the same password into both boxes, for confirmation." It contains two input fields: "New Password :" and "Verify Password :".
- ADMINISTRATION:** A section with a checkbox labeled "Enable Graphical Authentication :".

The right sidebar, titled "Helpful Hints...", contains a "Passwords:" section with the following text: "For security reasons, it is recommended that you change the Password for the Administrator accounts. Be sure to write down the Passwords to avoid having to reset the AP in the event that they are forgotten."

System

Save to Local Hard Drive: Use this option to save the current access point configuration settings to a file on the hard disk of the computer you are using. Click the **Save** button. You will then see a file dialog where you can select a location and file name for the settings.

Upload from Local Hard Drive: Use this option to load previously saved access point configuration settings. Click **Browse** to find a previously saved configuration file. Then, click the **Upload Settings** button to transfer those settings to the access point.

Restore to Factory Default: This option will restore all configuration settings back to the settings that were in effect at the time the access point was shipped from the factory. Any settings that have not been saved will be lost, including any rules that you have created. If you want to save the current access point configuration settings, use the **Save** button above.

Note: Restoring the factory default settings will not reset the Wi-Fi Protected Status to Not Configured.

Reboot the Device: Click to reboot the access point.

The screenshot shows the D-Link configuration interface for a DAP-1350 AP. The top navigation bar includes tabs for SETUP, ADVANCED, MAINTENANCE, STATUS, and HELP. The left sidebar lists menu items: ADMIN, SYSTEM, FIRMWARE, TIME, SCHEDULES, and LOGOUT. The main content area is titled 'SAVE AND RESTORE' and contains the following text and controls:

The current system settings can be saved as a file onto the local hard drive. You can upload any save settings file that was created by the DAP-1350.

SAVE AND RESTORE

Save Settings To Local Hard Drive :

Load Settings From Local Hard Drive :

Upload Settings :

Restore To Factory Default Settings :

Reboot The Device :

On the right side, there is a 'Helpful Hints...' section titled 'Saving System Settings:' which explains that once the AP is configured, settings can be saved to a file for later use, and that clicking 'Save' will restore default settings.

The bottom of the page features a 'WIRELESS' section header.

Firmware

You can upgrade the firmware of the access point here. Make sure the firmware you want to use is on the local hard drive of the computer. Click on **Browse** to locate the firmware file to be used for the update. Please check the D-Link support website for firmware updates at <http://support.dlink.com>. You can download firmware upgrades to your hard drive from this site.

Browse: After you have downloaded the new firmware, click **Browse** to locate the firmware update on your hard drive. Click **Upload** to complete the firmware upgrade.

Upload: Once you have a firmware update on your computer, use this option to browse for the file and then upload the information into the access point.

Language Pack

You can change the language of the web UI by uploading available language packs.

Browse: After you have downloaded the new language pack, click **Browse** to locate the language pack file on your hard drive. Click **Upload** to complete the language pack upgrade.

Note: In most cases you must unzip the file first before uploading.

The screenshot shows the D-Link web interface for a DAP-1350 AP. The top navigation bar includes 'DAP-1350 // AP', 'SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. The left sidebar contains 'ADMIN', 'SYSTEM', 'FIRMWARE', 'TIME', 'SCHEDULES', and 'LOGOUT'. The main content area is divided into several sections:

- FIRMWARE:** Contains a notification about new firmware updates, a link to check for updates, instructions on how to upgrade, and a warning: "Do not update firmware through wireless network!!".
- FIRMWARE INFORMATION:** Shows "Current Firmware Version : 1.00" and "Current Firmware Date : Mon, 10 Aug 2009".
- FIRMWARE UPGRADE:** Includes a note that some updates reset configuration, instructions for wired connection, and an "Upload" section with a "Browse..." button and an "Upload" button.
- LANGUAGE PACKAGE INFORMATION:** Includes a note about language changes, instructions for wired connection, and another "Upload" section with a "Browse..." button and an "Upload" button.
- Helpful Hints...:** A sidebar section titled "Firmware Updates:" explaining that updates are released periodically and providing instructions on how to check for updates.

The bottom of the interface features a "WIRELESS" logo.

Time

The Time Configuration option allows you to configure, update, and maintain the correct time on the internal system clock. From this section you can set the time zone that you are in. Daylight Saving can also be configured to automatically adjust the time when needed.

Time Zone: Select the Time Zone from the drop-down menu.

Daylight Saving: To select Daylight Saving time manually, click the **Enable Daylight Saving** check box. Next use the drop-down menu to select a Daylight Saving Offset and then enter a start date and an end date for daylight saving time.

Enable NTP Server: NTP is short for Network Time Protocol. NTP synchronizes computer clock times in a network of computers. Check this box to use a NTP server. This will only connect to a server on the Internet, not a local server.

NTP Server Used: Enter the NTP server or select one from the drop-down menu.

Date and Time: To manually input the time, enter the values in these fields for the Year, Month, Day, Hour, Minute, and Second and then click **Save Settings**. You can also click the **Copy Your Computer's Time Settings** button at the bottom of the screen.

The screenshot displays the D-Link configuration interface for a DAP-1350 AP. The 'TIME' tab is selected in the top navigation bar. The main content area is titled 'TIME CONFIGURATION' and includes the following sections:

- TIME:** A summary box explaining the purpose of the section and containing 'Save Settings' and 'Don't Save Settings' buttons.
- TIME CONFIGURATION:**
 - Current Router Time: Jan/01/2008 00:21:37
 - Time Zone: ((GMT-08:00) Pacific Time (US/Canada), Tijuana)
 - Enable Daylight Saving:
 - Daylight Saving Offset: +1:00
 - Daylight Saving Dates:

	Month	Week	Day of Week	Time
DST start	Mar	3rd	Sun	2 am
DST End	Nov	2nd	Sun	2 am
- AUTOMATIC TIME CONFIGURATION:**
 - Enable NTP Server:
 - NTP Server Used: << Select NTP Server >>
- SET THE DATE AND TIME MANUALLY:**
 - Date And Time: Year (2008), Month (Jan), Day (01), Hour (00), Minute (00), Second (00)
 - Copy Your Computer's Time Settings button

On the right side, a 'Helpful Hints...' section titled 'System Time Settings' explains that this section allows administrators to configure, update, and maintain the correct time on the Access Point's internal system clock.

Schedules

Schedules can be created for use with enforcing rules. For example, if you want to restrict web access to Mon-Fri from 3pm to 8pm, you could create a schedule selecting Mon, Tue, Wed, Thu, and Fri and enter a Start Time of 3pm and End Time of 8pm.

Name: Enter a name for your new schedule.

Days: Select a day, a range of days, or All Week to include every day.

Time: Check **All Days** or enter a start and end time for your schedule.

Wireless: Select **On** or **Off** from the drop-down menu.

Add: Click **Add** to save your schedule. You must click **Save Settings** at the top for your schedules to go into effect.

Schedule Rules List: The list of schedules will be listed here. Click the **Edit** icon to make changes or click the **Delete** icon to remove the schedule.

The screenshot shows the D-Link web interface for a DAP-1350 AP. The top navigation bar includes 'DAP-1350 // AP', 'SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. The left sidebar contains 'ADMIN', 'SYSTEM', 'FIRMWARE', 'TIME', 'SCHEDULES', and 'LOGOUT'. The main content area is titled 'SCHEDULES' and contains the following sections:

- SCHEDULES:** A header section with a description: "The Schedule configuration option is used to manage schedule rules for wireless Lan control features."
- ADD SCHEDULE RULE:** A form with the following fields:
 - Name:** A text input field.
 - Day(s):** Radio buttons for "All Week" and "Select Day(s)". Under "Select Day(s)", there are checkboxes for Sun, Mon, Tue, Wed, Thu, Fri, and Sat.
 - All Day - 24 hrs:** A checkbox.
 - Start Time:** Two input fields for hour and minute, and a dropdown for AM/PM. Example: 12 : 00 AM (hour:minute, 12 hour time).
 - End Time:** Two input fields for hour and minute, and a dropdown for AM/PM. Example: 12 : 00 AM (hour:minute, 12 hour time).
 - Buttons:** "Save" and "Clear".
- SCHEDULE RULES LIST:** A table with columns for Name, Day(s), and Time Frame. The table is currently empty.

The right sidebar contains "Helpful Hints..." with the following text:

Schedules are used with a number of other features to define when those features are in effect.

Give each schedule a name that is meaningful to you. For example, a schedule for Monday through Friday from 3:00pm to 9:00pm, might be called "After School".

Click **Save** to add a completed schedule to the list below.

Click the **Edit** icon to change an existing schedule.

Click the **Delete** icon to permanently delete a schedule.

Device Info

This page displays the current information for the DAP-1350. It will display the LAN and wireless LAN information.

General: Displays the access point's time and firmware version.

LAN: Displays the MAC address and the private (local) IP settings for the access point.

Wireless LAN: Displays the wireless MAC address and your wireless settings such as SSID and Channel.

D-Link	
DAP-1350 // AP	SETUP ADVANCED MAINTENANCE STATUS HELP
DEVICE INFO	DEVICE INFORMATION
LOGS	All of your wireless and network connection details are displayed on this page. The firmware version is also displayed here.
STATISTICS	
WIRELESS	
LOGOUT	
	GENERAL
	Time : Jan/01/2008 02:08:14 Firmware Version : 1.00, Mon, 10 Aug 2009
	LAN
	MAC Address : 00:18:e7:6a:20:fe Connection : Static IP IP Address : 192.168.0.50 Subnet Mask : 255.255.255.0 Gateway Address : 0.0.0.0
	WIRELESS LAN
	MAC Address : 00:18:e7:6a:23:40 Network Name (SSID) : dlink Channel : 9 Security Mode : Disable
	WIRELESS

Helpful Hints...
All of your LAN and Wireless connection details are displayed here.

Logs

The DAP-1350 keeps a running log of events and activities occurring on the AP. If the AP is rebooted, the logs are automatically cleared. You can save the log files under Log Setting.

First Page: This button directs you to the first page of the log.

Last Page: This button directs you to the last page of the log.

Previous Page: This button directs you to the previous page of the log.

Next Page: This button directs you to the next page of the log.

Clear Log: This button clears all current log content.

Log Settings: This button opens a new menu where you can configure the log settings.

Refresh: This button refreshes the log.

The screenshot displays the D-Link web interface for a DAP-1350 AP. The top navigation bar includes 'D-Link' and tabs for 'DAP-1350 // AP', 'SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. A left sidebar contains menu items: 'DEVICE INFO', 'LOGS', 'STATISTICS', 'WIRELESS', and 'LOGOUT'. The main content area is titled 'LOGS' and contains the following sections:

- LOGS:** A text box explaining that users can define event types and levels to view, and that the device supports internal syslog server support for sending logs to a computer.
- LOG OPTIONS:** A section with 'Log Type' settings:
 - System Activity
 - Debug Information
 - Attacks
 - Dropped Packets
 - Notice
 An 'Add' button is located below these options.
- LOG DETAILS:** A section with navigation buttons: 'First Page', 'Last Page', 'Previous', 'Next', and 'Clear'. Below these are 'Log Settings' and 'Refresh' buttons. The log count is shown as '0/0'. A table header with columns 'Time' and 'Message' is visible at the bottom of this section.

A 'Helpful Hints...' sidebar on the right contains the text: 'Check the log frequently to detect unauthorized network usage.'

Statistics

The DAP-1350 keeps statistics of the traffic that passes through it. You can view the amount of packets that pass through the LAN and wireless portions of the network. The traffic counter will reset if the access point is rebooted.

D-Link

DAP-1350 // AP SETUP ADVANCED MAINTENANCE **STATUS** HELP

DEVICE INFO
LOGS
STATISTICS
WIRELESS
LOGOUT

TRAFFIC STATISTICS

Traffic Statistics display Receive and Transmit packets passing through your router.

Refresh Statistics Clear Statistics

LAN STATISTICS

Sent : 23	Received : 22
TX Packets Dropped : 0	RX Packets Dropped : 0
Collisions : 0	Errors : 0

WIRELESS STATISTICS

Sent : 0	Received : 123
TX Packets Dropped : 0	RX Packets Dropped : 0
Collisions : 0	Errors : 0

Helpful Hints...

This is a summary of the number of packets that have passed between the Wireless and the LAN since the device was last initialized.

WIRELESS

Wireless

The wireless section allows you to view the wireless clients that are connected to your wireless access point.

Connection Time: Displays the amount of time the wireless client has been connected to the access point.

MAC Address: The Ethernet ID (MAC address) of the wireless client.

The screenshot shows the D-Link web interface for a DAP-1350 AP. The top navigation bar includes tabs for SETUP, ADVANCED, MAINTENANCE, STATUS, and HELP. The left sidebar contains menu items: DEVICE INFO, LOGS, STATISTICS, WIRELESS, and LOGOUT. The main content area is titled 'WIRELESS' and contains the following text:

The Wireless Client table below displays Wireless clients connected to the AP (Access Point). In Wireless Client mode it displays the connected AP's MAC address and connected Time.

NUMBER OF WIRELESS CLIENTS : 0

Connected Time MAC Address

At the bottom of the page, the word 'WIRELESS' is displayed in a dark bar. On the right side, there is a 'Helpful Hints...' section with the following text:

Wireless
Displays connected client station main parameters, such as Connect Time and station MAC address. In AP Client mode it displays the connected AP's MAC address and connected Time.

Help

The screenshot shows the D-Link web interface for the DAP-1350 AP. At the top left is the D-Link logo. Below it is a navigation bar with tabs for 'DAP-1350 // AP', 'SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. The 'HELP' tab is selected. The main content area is titled 'HELP MENU' and lists links for 'Setup', 'Advanced', 'Maintenance', and 'Status'. A 'Helpful Hints...' section on the right provides instructions on how to use the links. The 'WIRELESS' section is highlighted at the bottom.

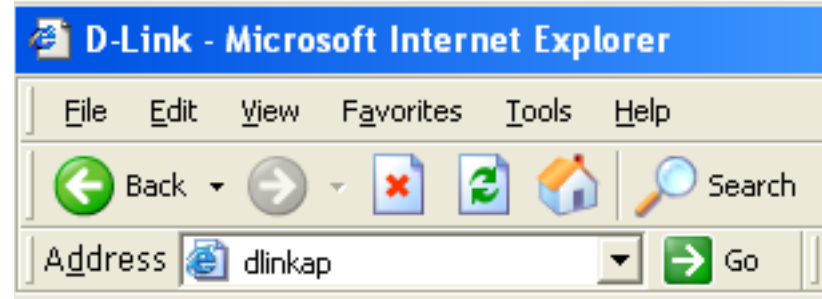
DAP-1350 // AP	SETUP	ADVANCED	MAINTENANCE	STATUS	HELP
MENU	HELP MENU Setup <ul style="list-style-type: none">• Setup Wizard• Wireless Setup• Lan Setup Advanced <ul style="list-style-type: none">• MAC Address Filter• Advanced Wireless• User Limit Maintenance <ul style="list-style-type: none">• Admin• System• Firmware• Time• Schedules Status <ul style="list-style-type: none">• Device Info• Logs• Statistics• Wireless				Helpful Hints... <p>Click on the links for more informations of each section in the GUI.</p>
WIRELESS					

Wireless Client Mode

Change the mode selector to Client on the device. Connect an Ethernet cable from the Ethernet port on the DAP-1350 to a computer for configuration.

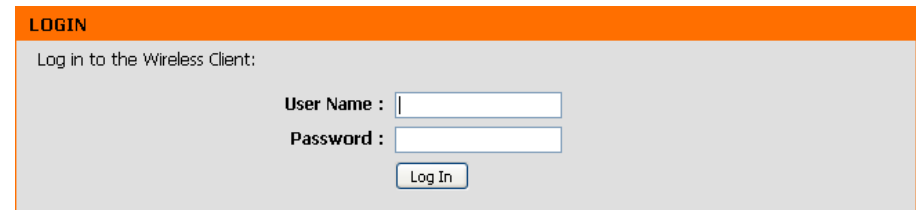
If you wish to change the default settings or optimize the performance of the DAP-1350, you may use the web-based configuration utility.

To access the configuration utility, open a web browser such as Internet Explorer and enter **dlinkap** or **192.168.0.50** in the address field.



Type **Admin** and then enter your password. Leave the password blank by default.

If you get a Page Cannot be Displayed error, please refer to the **Troubleshooting** section for assistance.



Wireless Setup Wizard

This Wizard is designed to assist you in configuring your DAP-1350 as a wireless client.

Click the **Launch Wireless Setup Wizard** button to use the wizard to setup your network.

The screenshot shows the D-Link web interface for the Wireless Setup Wizard. At the top, there is a navigation menu with tabs for SETUP, ADVANCED, MAINTENANCE, STATUS, and HELP. Below the menu, there is a sidebar with options: SETUP WIZARD, WIRELESS SETUP, LAN SETUP, and LOGOUT. The main content area is titled "WIRELESS CONNECTION SETUP WIZARD" and contains the following text:

If you would like to utilize our easy to use web-based wizard to assist you in connecting your DAP-1350 to the wireless network, click on the button below.

Note: Some changes made using this Setup Wizard must be the same with the settings of the D-Link Access Point which you want to connect.

On the right side, there is a "Helpful Hints..." section with the following text:

If you are new to networking and have never configured an access point before, click on Launch Setup Wizard and the access point will guide you through a few simple steps to get your network up and running.

Enter the Device Name of the AP and click **Next** to continue. It is recommended to change the Device Name if there is more than one D-Link device within the same wireless network.

The screenshot shows the "SET YOUR DEVICE NAME" step of the wizard. The text reads:

Enter the Device Name of the AP. Recommend to change the Device Name if there're more than one D-Link devices within the subnet. Click **Next** to continue.

Device Name(Netbios Name) :

If you want to change the admin account password, enter a new password and click **Next**. It is strongly recommended to change your password.

The screenshot shows the "SET YOUR NEW PASSWORD" step of the wizard. The text reads:

You may change the **admin** account password by entering in a new password. Click **Next** to continue.

Password :

Verify Password :

Select **Auto** as the configuration method only if your wireless device supports Wi-Fi Protected Setup (WPS). For **Manual** setup, skip to the next page.

Click **Next** to continue.

SELECT CONFIGURATION METHOD

Please select one of the following configuration methods. Click **Next** to continue.

Auto -- Select this option if your wireless device supports WPS(Wi-Fi Protected Setup)

Manual -- Select this option if you want to setup your network manually.

Prev Next Exit

For PBC (Push Button Configuration), skip to the next page.

Select **PIN** to connect your wireless device with WPS. You may click **Generate New PIN** to use a different PIN number. Click **Connect** to start the WPS scan.

Within 2 minutes, enter the PIN number into the other device you want to connect to.

CONNECT TO WIRELESS DEVICE WITH WPS

There are two ways to connect to wireless device with WPS

- PIN(Personal Identification Number)
- PBC(Push Button Configuration)

PIN :97730668
SSID :

Generate New PIN Reset PIN to Default

Please enter the above PIN into your Access Point and enter your Access Point's SSID into the SSID field above and click the below 'Connect' button.

PBC
please press the push button on your wireless device and click the below 'Connect' Button within 120 seconds

Prev Connect Exit

Select **PBC** to use the Push Button Configuration to connect to your network.

Click **Connect** to continue.

Note: You may also press the WPS button located on the side of the DAP-1350 instead of running this wizard.

CONNECT TO WIRELESS DEVICE WITH WPS

There are two ways to connect to wireless device with WPS

- PIN(Personal Identification Number)
- PBC(Push Button Configuration)

PIN :97730668
SSID :

Please enter the above PIN into your Access Point and enter your Access Point's SSID into the SSID field above and click the below 'Connect' button.

PBC

please press the push button on your wireless device and click the below 'Connect' Button within 120 seconds

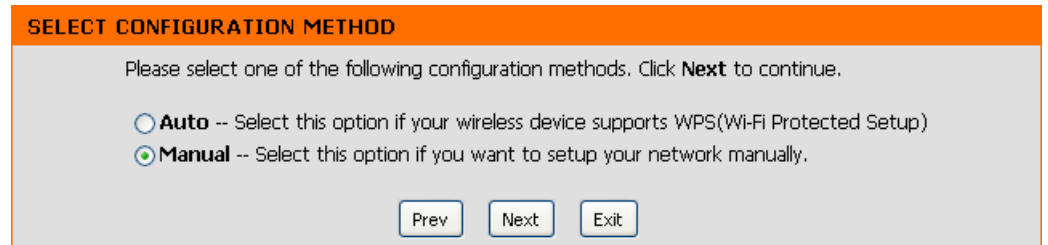
On the device you want to connect to, start the PBC process on the device. You will have 2 minutes to start the PBC process on both devices.

VIRTUAL PUSH BUTTON

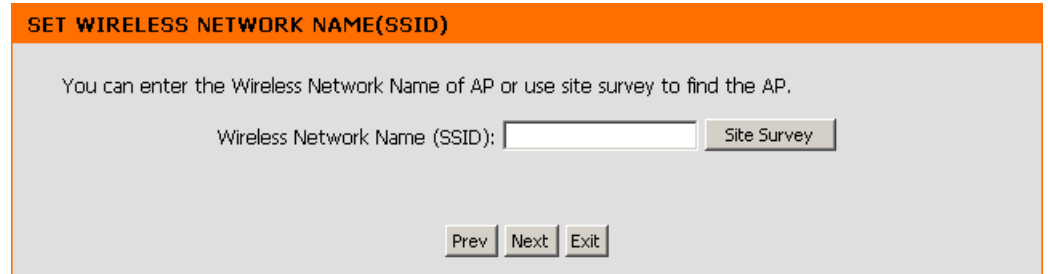
Please press down the Push Button (physical or virtual) on the wireless device you are adding to your wireless network within 118 seconds...

Select **Manual** configuration to setup your network manually.

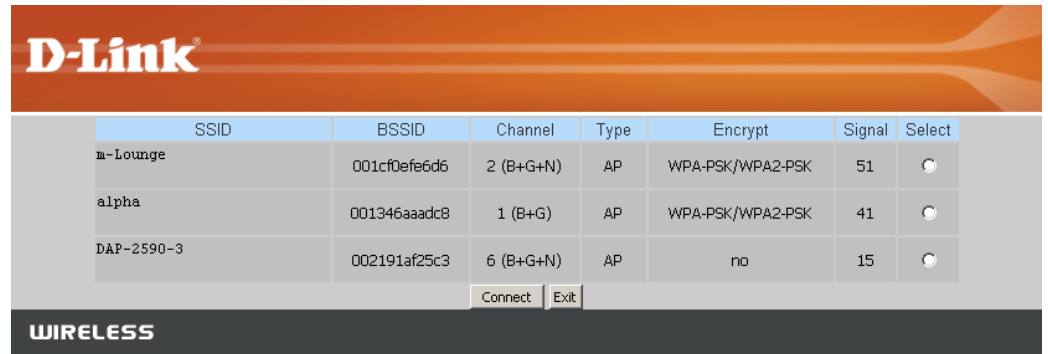
Click **Next** to continue.



Enter the network name (SSID) of the network you want to connect to. If you do not know the exact name or would like to search for the wireless network, click **Site Survey**.



Find your access point from the list, click the radio button in the right column, and click **Connect**.



Choose which Security Mode you want to use and click **Next** to continue.

SELECT WIRELESS SECURITY MODE

Please select the wireless security mode.

None
 WEP
 WPA
 WPA2

Prev Next Exit

If you select **WEP**, choose the key type (ASCII or HEX), the key size (64 or 128-bit), and enter the wireless security password. Click **Next** to complete the Setup Wizard.

SET YOUR WIRELESS SECURITY PASSWORD

Please enter the wireless security password to establish wireless connection.

Key Type: ASCII
Key Size: 64-Bit

Wireless Security Password:

Prev Next Exit

If you select **WPA** or **WPA2**, enter the wireless security password. Click **Next** to complete the Setup Wizard.

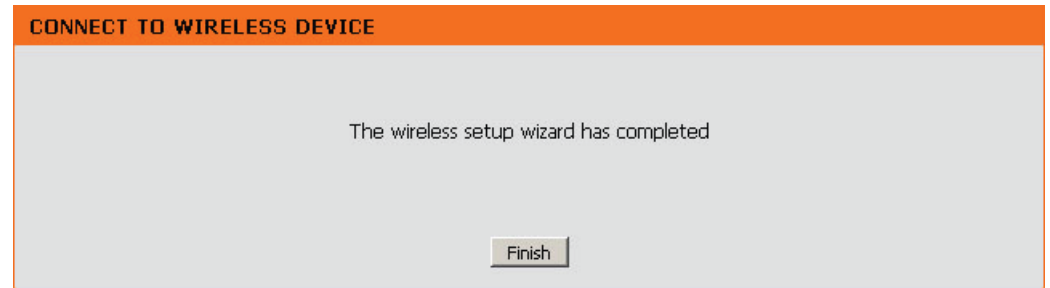
SET YOUR WPA2 PERSONAL PASSPHRASE

Please enter the WPA2 personal passphrase to establish wireless connection.

WPA2 Personal Passphrase:
(8 to 63 characters)

Prev Next Exit

The Wireless Setup Wizard is complete. Click **Finish** to reboot the device.



Manual Wireless Setup

Wireless Mode: **Wireless Client Mode** is selected.

Site Survey: Click **Site Survey** to display a list of wireless networks in your area. You may select the wireless access point to connect to.

Wireless Type: Select **Infrastructure** if connecting to an access point or wireless router, or select **Ad-Hoc** if connecting to another wireless client.

Wireless Network Name: Enter the SSID of the wireless network you want to connect to. If you do not know for sure, click **Site Survey** and select it from the list, if available.

Wireless Channel: The channel will automatically change to the channel of the AP you are connected to.

802.11 Mode: Select the appropriate 802.11 mode based on the wireless clients in your network. Select **Mixed 802.11b/g**, **802.11n Only**, or **Mixed 802.11b/g/n** from the drop-down menu.

Channel Width: Select the Channel Width:
Auto 20/40 - Select if you are using both 802.11n and non-802.11n wireless devices.
20MHz - Select if you are not using any 802.11n wireless clients.

Transmission Rate: Select the transmission rate. It is strongly suggested to use the Auto setting for optimal performance.

Wireless MAC Clone: You can clone the MAC address of the device connected via Ethernet to the DAP-1350.

Wireless Security Mode: Select a wireless security setting. Options are **None**, **WEP**, **WPA**, or **WPA2**. See the Wireless Security section in this manual for a detailed explanation of the wireless security options.

WPS: Select enable if you want to configure the DAP-1350 with Wi-Fi Protection setup.

The screenshot displays the D-Link DAP-1350 configuration page for wireless settings. The interface includes a navigation menu with tabs for SETUP, ADVANCED, MAINTENANCE, STATUS, and HELP. The main content area is titled 'WIRELESS CONNECTION' and contains several sections:

- WIRELESS CONNECTION:** A introductory text block explaining the purpose of the section and providing security recommendations. It includes 'Save Settings' and 'Don't Save Settings' buttons.
- WIRELESS NETWORK SETTINGS:** A form with the following fields:
 - Wireless Mode: Wireless Client (with a Site Survey button)
 - Wireless Type: Infrastructure
 - Wireless Network Name: karoni (Also called the SSID)
 - 802.11 Mode: Mixed 802.11n, 802.11g and 802.11b
 - Channel Width: Auto 20/40 MHz
 - Transmission Rate: Auto
- WIRELESS MAC CLONE:** A form with:
 - Enable:
 - MAC Source: Auto
 - MAC Address:
 - Scan:
 - MAC Address:
- WIRELESS SECURITY MODE:** A form with:
 - Security Mode: Disable Wireless Security (not recommended)
- WIFI PROTECTED SETUP (ALSO CALLED WCN 2.0 IN WINDOWS VISTA):** A form with:
 - Enable:
 - Current PIN: 97730668
 - Reset PIN to Default:
 - Generate New PIN:

On the right side of the page, there are 'Helpful Hints...' sections for 'Wireless Network Name', 'Security Keys', and 'Wi-Fi Protected Setup (Also called WCN 2.0 in Windows Vista)'. A 'WIRELESS' tab is located at the bottom of the page.

LAN Settings

This section will allow you to change the local network settings of the access point and to configure the DHCP settings.

LAN Connection Use the drop-down menu to select **Dynamic IP** (DHCP) to automatically obtain an IP address on the LAN/private network or select **Static IP** to manually enter the IP settings.

IP Address: 192.168.0.50 is the default IP Address of the DAP-1350.

Subnet Mask: 255.255.255.0 is the default subnet mask. All devices on the network must have the same subnet mask to communicate on the network.

Default Gateway: Enter the IP Address of the gateway in your network.

Device Name: Enter the Device Name of the AP. It is recommended to change the Device Name if there is more than one D-Link device within the subnet.

D-Link

DAP-1350 // CLT

SETUP ADVANCED MAINTENANCE STATUS HELP

SETUP WIZARD

WIRELESS SETUP

LAN SETUP

LOGOUT

NETWORK SETTINGS

Use this section to configure the internal network settings of your AP.

Device Name(NetBIOS Name) allows you to configure this device more easily when your network using TCP/IP protocol. You can enter the device name of the AP into your web browser to access the instead of IP address for configuration. Recommend to change the device name if there're more than one D-Link devices within the subnet.

Save Settings Don't Save Settings

LAN CONNECTION TYPE

Choose the mode to be used by the Access Point.

My LAN Connection is :

DYNAMIC IP(DHCP) LAN CONNECTION TYPE

IP Address Information.

IP Address :

Subnet Mask :

Gateway Address :

DEVICE NAME(NETBIOS NAME)

Device Name :

Helpful Hints...

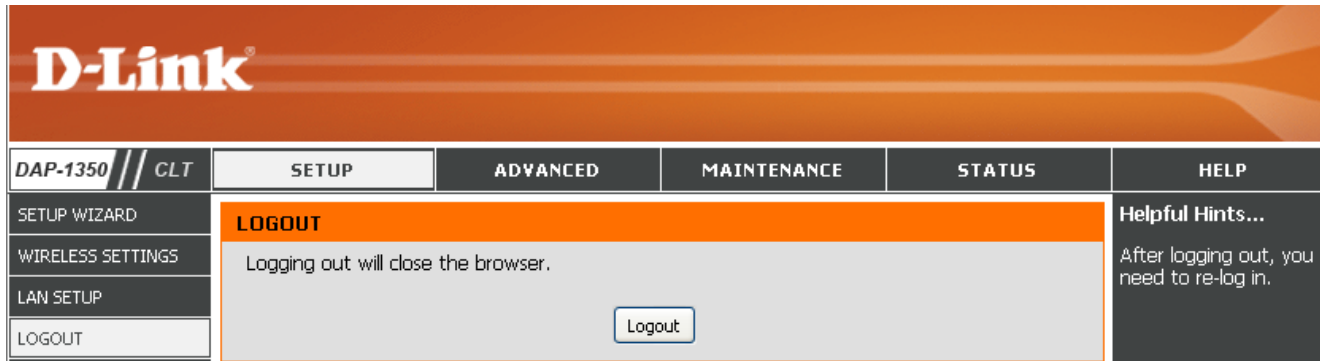
LAN Settings:
Also referred as private settings. LAN settings allow you to configure LAN interface of DAP-1350. LAN IP address is private to your internal network and is not visible to Internet. The factory default setting is Dynamic IP(DHCP).

LAN Connection type:
The factory default setting is Dynamic IP(DHCP) to allow the DHCP host to automatically assign the Access Point an IP address that conforms to the applied local area network. Enable "Static IP" which allows the IP address of the DAP-1350 to be manually configured in accordance to the applied local area network.

IP Address:
The default IP address is 192.168.0.50. It can be modified to conform

Logout

This section will allow you to change the local network settings of the access point and to configure the DHCP settings.



Advanced Wireless

Transmit Power: Sets the transmit power of the antennas.

Note: Transmit power is regulated by international standard. Users are forbidden to change its maximum limit.

RTS Threshold: This value should remain at its default setting of 2346. If inconsistent data flow is a problem, only a minor modification should be made.

Fragmentation Threshold: The fragmentation threshold, which is specified in bytes, determines whether packets will be fragmented. Packets exceeding the 2346 byte setting will be fragmented before transmission. 2346 is the default setting.

Short GI: Check this box to reduce the guard interval time therefore increasing the data capacity. However, it's less reliable and may create higher data loss.

D-Link

DAP-1350 // CLT SETUP **ADVANCED** MAINTENANCE STATUS HELP

ADVANCED WIRELESS

LOGOUT

ADVANCED WIRELESS

These options are for users that wish to change the behaviour of their 802.11g wireless radio from the standard setting. D-link does not recommend changing these settings from the factory default. Incorrect settings may impair the performance of your wireless radio. The default settings should provide the best wireless radio performance in most environments.

Save Settings Don't Save Settings

ADVANCED WIRELESS SETTINGS

Transmit Power : 100% ▾

RTS Threshold : 2346 (1..2347)

Fragmentation Threshold : 2346 (256..2346)

Short GI :

Helpful Hints...

Advanced Wireless:
It is recommended that you leave these options at their default values. Adjusting them could negatively impact the performance of your wireless network. The options on this page should be changed by advanced users or if you are instructed to by one of our support personnel, as they can negatively affect the performance of your Access Point if configured improperly.

Transmit Power:
You can lower the output power of the DAP-1350 by selecting lower percentage Transmit Power values from the drop down. Your choices are: 100%, 50%, 25%, and 12.5%.

WIRELESS

Admin

This page will allow you to change the Administrator password. The administrator password has read/write access.

Password: Enter a new password for the Administrator Login Name. The administrator can make changes to the settings.

Verify Password: Enter the same password that you entered in the previous textbox in order to confirm its accuracy.

Enable Graphical Authentication: Enables a challenge-response test to require users to type letters or numbers from a distorted image displayed on the screen to prevent online hackers and unauthorized users from gaining access to your router's network settings.

DAP-1350 // CLT	SETUP	ADVANCED	MAINTENANCE	STATUS	HELP
ADMIN	ADMINISTRATOR SETTINGS				Helpful Hints... Passwords: For security reasons, it is recommended that you change the Password for the Administrator accounts. Be sure to write down the Passwords to avoid having to reset the AP in the event that they are forgotten.
SYSTEM	Enter the new password in the "New Password" field and again in the next field to confirm. Click on "Save Settings" to execute the password change. The Password is case-sensitive, and can be made up of any keyboard characters. The new password must be between 0 and 15 characters in length.				
FIRMWARE	<input type="button" value="Save Settings"/> <input type="button" value="Don't Save Settings"/>				
TIME	PASSWORD				
LOGOUT	Please enter the same password into both boxes, for confirmation. New Password : <input type="text"/> Verify Password : <input type="text"/>				
ADMINISTRATION					
Enable Graphical Authentication : <input type="checkbox"/>					
WIRELESS					

System

Save to Local Hard Drive: Use this option to save the current access point configuration settings to a file on the hard disk of the computer you are using. Click the **Save** button. You will then see a file dialog where you can select a location and file name for the settings.

Load from Local Hard Drive: Use this option to load previously saved access point configuration settings. Click **Browse** to find a previously saved configuration file. Then, click the **Upload Settings** button to transfer those settings to the access point.

Restore to Factory Default: This option will restore all configuration settings back to the settings that were in effect at the time the access point was shipped from the factory. Any settings that have not been saved will be lost, including any rules that you have created. If you want to save the current access point configuration settings, use the **Save** button above.

Note: Restoring the factory default settings will not reset the Wi-Fi Protected Status to Not Configured.

Reboot the Device: Click to reboot the access point.

The screenshot shows the D-Link web interface for a DAP-1350 device. The top navigation bar includes 'DAP-1350 // GLT', 'SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. The 'MAINTENANCE' tab is selected, and the 'SAVE AND RESTORE' section is active. The left sidebar contains 'ADMIN', 'SYSTEM', 'FIRMWARE', 'TIME', and 'LOGOUT'. The main content area displays the following options:

- Save Settings To Local Hard Drive :**
- Load Settings From Local Hard Drive :**
- Restore To Factory Default Settings :**
- Reboot The Device :**

A text box above the options states: "The current system settings can be saved as a file onto the local hard drive. You can upload any save settings file that was created by the DAP-1350." A 'Helpful Hints...' sidebar on the right provides instructions on saving system settings.

Firmware

You can upgrade the firmware of the access point here. Make sure the firmware you want to use is on the local hard drive of the computer. Click on **Browse** to locate the firmware file to be used for the update. Please check the D-Link support website for firmware updates at <http://support.dlink.com>. You can download firmware upgrades to your hard drive from this site.

Browse: After you have downloaded the new firmware, click **Browse** to locate the firmware update on your hard drive. Click **Upload** to complete the firmware upgrade.

Upload: Once you have a firmware update on your computer, use this option to browse for the file and then upload the information into the access point.

Language Pack

You can change the language of the web UI by uploading available language packs.

Browse: After you have downloaded the new language pack, click **Browse** to locate the language pack file on your hard drive. Click **Upload** to complete the language pack upgrade.

Note: In most cases you must unzip the file first before uploading.

The screenshot shows the D-Link web interface for a DAP-1350 CLT. The navigation menu includes ADMIN, SYSTEM, FIRMWARE, TIME, and LOGOUT. The main content area is divided into several sections:

- FIRMWARE:** Contains a notification about new firmware, a link to the support site, and a warning: "Do not update firmware through wireless network!!".
- FIRMWARE INFORMATION:** Shows the current firmware version as 1.00 and the date as Mon, 10 Aug 2009.
- FIRMWARE UPGRADE:** Includes a note that some upgrades reset configuration, instructions for a wired connection, and an upload form with a "Browse..." button and an "Upload" button.
- LANGUAGE PACKAGE INFORMATION:** Includes a note that language updates change display, instructions for a wired connection, and another upload form with "Browse..." and "Upload" buttons.
- HELPFUL HINTS...** A sidebar section titled "Firmware Updates" explaining that updates are released periodically to improve functionality and add features, and directing users to the support site for updates.

The bottom of the interface has a "WIRELESS" tab selected.

Time

The Time Configuration option allows you to configure, update, and maintain the correct time on the internal system clock. From this section you can set the time zone that you are in. Daylight Saving can also be configured to automatically adjust the time when needed.

Time Zone: Select the Time Zone from the drop-down menu.

Daylight Saving: To select Daylight Saving time manually, click the **Enable Daylight Saving** check box. Next use the drop-down menu to select a Daylight Saving Offset and then enter a start date and an end date for daylight saving time.

Enable NTP Server: NTP is short for Network Time Protocol. NTP synchronizes computer clock times in a network of computers. Check this box to use a NTP server. This will only connect to a server on the Internet, not a local server.

NTP Server Used: Enter the NTP server or select one from the drop-down menu.

Date and Time: To manually input the time, enter the values in these fields for the Year, Month, Day, Hour, Minute, and Second and then click **Save Settings**. You can also click the **Copy Your Computer's Time Settings** button at the bottom of the screen.

D-Link

DAP-1350 // CLT

SETUP ADVANCED MAINTENANCE STATUS HELP

ADMIN

SYSTEM

FIRMWARE

TIME

LOGOUT

TIME

The Time Configuration option allows you to configure, update, and maintain the correct time on the internal system clock. From this section you can set the time zone that you are in and set the NTP (Network Time Protocol) Server. Daylight Saving can also be configured to automatically adjust the time when needed.

Save Settings Don't Save Settings

TIME CONFIGURATION

Current Router Time : Jan/01/2008 00:22:32

Time Zone : [(GMT-08:00) Pacific Time (US/Canada), Tijuana]

Enable Daylight Saving :

Daylight Saving Offset : [+1:00]

Daylight Saving Dates :

	Month	Week	Day of Week	Time
DST start	Mar	3rd	Sun	2 am
DST End	Nov	2nd	Sun	2 am

AUTOMATIC TIME CONFIGURATION

Enable NTP Server :

NTP Server Used : << [Select NTP Server]

SET THE DATE AND TIME MANUALLY

Date And Time : Year [2008] Month [Jan] Day [01]

Hour [00] Minute [00] Second [00]

Copy Your Computer's Time Settings

WIRELESS

Helpful Hints...

System Time Settings:
This section allows admins to configure, update, and maintain the correct time on the Access Point's internal system clock.

Device Info

This page displays the current information for the DAP-1350. It will display the LAN and wireless LAN information.

General: Displays the access point's time and firmware version.

LAN: Displays the MAC address and the private (local) IP settings for the access point.

Wireless LAN: Displays the wireless MAC address and your wireless settings such as SSID and Channel.

D-Link	
DAP-1350 // CLT	SETUP ADVANCED MAINTENANCE STATUS HELP
DEVICE INFO	DEVICE INFORMATION All of your wireless and network connection details are displayed on this page. The firmware version is also displayed here.
LOGS	Helpful Hints... All of your LAN and Wireless connection details are displayed here.
STATISTICS	
LOGOUT	
	GENERAL Time : Jan/01/2008 00:16:07 Firmware Version : 1.00, Mon, 10 Aug 2009
	LAN MAC Address : 00:18:e7:6a:20:fe Connection : Static IP IP Address : 192.168.0.50 Subnet Mask : 255.255.255.0 Gateway Address : 0.0.0.0
	WIRELESS LAN MAC Address : 00:18:e7:6a:23:40 Network Name (SSID) : dlink Channel : 7 Security Mode : Disable
WIRELESS	

Logs

The DAP-1350 keeps a running log of events and activities occurring on the AP. If the AP is rebooted, the logs are automatically cleared. You can save the log files under Log Setting.

First Page: This button directs you to the first page of the log.

Last Page: This button directs you to the last page of the log.

Previous Page: This button directs you to the previous page of the log.

Next Page: This button directs you to the next page of the log.

Clear Log: This button clears all current log content.

Log Settings: This button opens a new menu where you can configure the log settings.

Refresh: This button refreshes the log.

The screenshot displays the D-Link web interface for the DAP-1350. The top navigation bar includes 'D-Link' and tabs for 'DAP-1350 // CLT', 'SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. The left sidebar contains a menu with 'DEVICE INFO', 'LOGS', 'STATISTICS', and 'LOGOUT'. The main content area is titled 'LOGS' and contains the following sections:

- LOGS:** A text box explaining that users can view device logs, define event types, and use internal syslog server support to send logs to a computer.
- LOG OPTIONS:** A section for configuring log types with checkboxes for 'System Activity', 'Debug Information', 'Attacks', and 'Dropped Packets', and a checked 'Notice' option. An 'Add' button is located below these options.
- LOG DETAILS:** A section containing navigation buttons for 'First Page', 'Last Page', 'Previous', 'Next', and 'Clear'. Below these are 'Log Settings' and 'Refresh' buttons. The log content area shows '0/0' entries and a table with columns for 'Time' and 'Message'.

A 'Helpful Hints...' sidebar on the right suggests checking the log frequently to detect unauthorized network usage. The bottom of the interface features a 'WIRELESS' banner.

Statistics

The DAP-1350 keeps statistics of the traffic that passes through it. You can view the amount of packets that pass through the LAN and wireless portions of the network. The traffic counter will reset if the access point is rebooted.

D-Link

DAP-1350 // CLT SETUP ADVANCED MAINTENANCE **STATUS** HELP

DEVICES INFO
LOGS
STATISTICS
LOGOUT

TRAFFIC STATISTICS

Traffic Statistics display Receive and Transmit packets passing through your router.

Refresh Statistics Clear Statistics

LAN STATISTICS

Sent :	22	Received :	1107
TX Packets Dropped :	0	RX Packets Dropped :	0
Collisions :	0	Errors :	0

WIRELESS STATISTICS

Sent :	2897	Received :	867
TX Packets Dropped :	0	RX Packets Dropped :	0
Collisions :	0	Errors :	0

WIRELESS

Helpful Hints...

This is a summary of the number of packets that have passed between the Wireless and the LAN since the device was last initialized.

Help

The screenshot displays the D-Link web interface for the DAP-1350 CLT. At the top, the D-Link logo is visible on an orange background. Below the logo is a navigation bar with tabs for SETUP, ADVANCED, MAINTENANCE, STATUS, and HELP. The HELP tab is currently selected. The main content area is divided into two columns. The left column, labeled 'MENU', contains a 'HELP MENU' section with the following items:

- Setup**
 - [Setup Wizard](#)
 - [Wireless Setup](#)
 - [Lan Setup](#)
- Advanced**
 - [Advanced Wireless](#)
- Maintenance**
 - [Admin](#)
 - [System](#)
 - [Firmware](#)
 - [Time](#)
- Status**
 - [Device Info](#)
 - [Logs](#)
 - [Statistics](#)

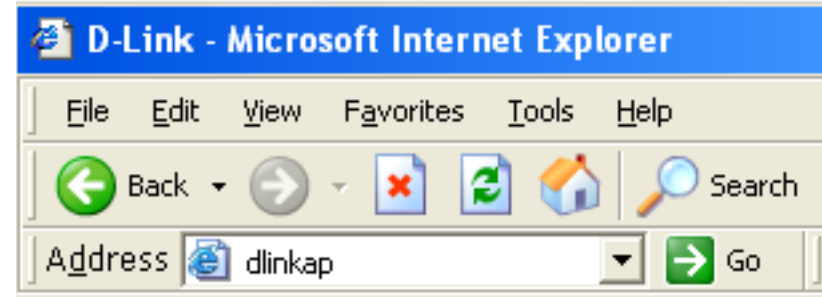
The right column, labeled 'Helpful Hints...', contains the text: "Click on the links for more informations of each section in the GUI." At the bottom of the interface, the word 'WIRELESS' is displayed in a dark bar.

Router Mode

Change the mode selector to Router on the device. Connect an Ethernet cable from the Ethernet port on the DAP-1350 to your broadband modem. You will need to connect wirelessly to the DAP-1350 to configure it.

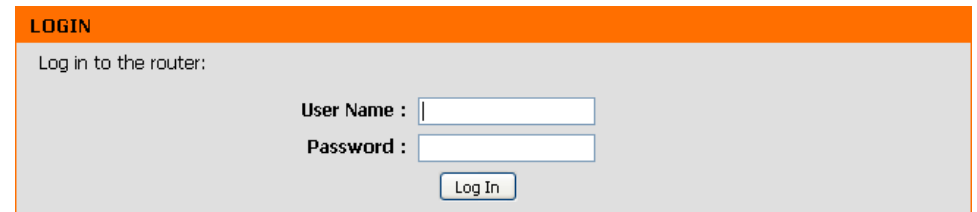
If you wish to change the default settings or optimize the performance of the DAP-1350, you may use the web-based configuration utility.

To access the configuration utility, open a web browser such as Internet Explorer and enter **dlinkap** or **192.168.0.50** in the address field.



Type **Admin** and then enter your password. Leave the password blank by default.

If you get a Page Cannot be Displayed error, please refer to the **Troubleshooting** section for assistance.

A screenshot of the router's login page. The page has an orange header with the word "LOGIN" in white. Below the header, the text "Log in to the router:" is displayed. There are two input fields: "User Name :" and "Password :". Below the password field is a "Log In" button.

Setup Wizard

Click **Launch Internet Connection Setup Wizard** to begin.

If you want to enter your settings without running the wizard, click **Manual Internet Configuration Setup** and skip to page 65.

The screenshot shows the D-Link web interface for the DAP-1350 RT. The top navigation bar includes tabs for SETUP, ADVANCED, MAINTENANCE, STATUS, and HELP. The left sidebar lists various settings categories: INTERNET SETTINGS, WIRELESS SETTINGS, NETWORK SETTINGS, USB SETTINGS, and LOGOUT. The main content area is titled 'INTERNET CONNECTION' and contains two primary options: 'INTERNET CONNECTION SETUP WIZARD' and 'MANUAL INTERNET CONNECTION OPTIONS'. The wizard option includes a button labeled 'Internet Connection Setup Wizard' and a note about following the Quick Installation Guide. The manual option includes a button labeled 'Manual Internet Connection Setup'. A 'Helpful Hints...' sidebar on the right provides additional guidance for new and advanced users.

Click **Next** to continue.

This screen displays the welcome message for the Internet Connection Setup Wizard. It states: 'This wizard will guide you through a step-by-step process to configure your new D-Link router and connect to the Internet.' Below this, a list of four steps is provided: Step 1: Set your Password, Step 2: Select your Time Zone, Step 3: Configure your Internet Connection, and Step 4: Save Settings and Connect. At the bottom of the screen, there are four buttons: 'Prev', 'Next', 'Cancel', and 'Connect'.

Create a new password and then click **Next** to continue.

This screen is titled 'STEP 1: SET YOUR PASSWORD'. It explains that the new D-Link Router does not have a password configured for administrator access and that the user should set and verify a password. Below the text, there are two input fields: 'Password :' and 'Verify Password :'. At the bottom, there are four buttons: 'Prev', 'Next', 'Cancel', and 'Connect'.

Select your time zone from the drop-down menu and then click **Next** to continue.

STEP 2: SELECT YOUR TIME ZONE

Select the appropriate time zone for your location. This information is required to configure the time-based options for the router.

Time Zone: (GMT-08:00) Pacific Time (US/Canada), Tijuana

Prev Next Cancel Connect

Select the type of Internet connection you use and then click **Next** to continue.

STEP 3: CONFIGURE YOUR INTERNET CONNECTION

Your Internet Connection could not be detected, please select your Internet Service Provider (ISP) from the list below. If your ISP is not listed, select the "Not Listed or Don't Know" option to manually configure your connection.

Not Listed or Don't Know

If your Internet Service Provider was not listed or you don't know who it is, please select the Internet connection type below:

- DHCP Connection (Dynamic IP Address)**
Choose this if your Internet connection automatically provides you with an IP Address. Most Cable Modems use this type of connection.
- Username / Password Connection (PPPoE)**
Choose this option if your Internet connection requires a username and password to get online. Most DSL modems use this type of connection.
- Username / Password Connection (PPTP)**
PPTP client.
- Username / Password Connection (L2TP)**
L2TP client.
- Static IP Address Connection**
Choose this option if your Internet Setup Provider provided you with IP Address information that has to be manually configured.
- 3G connection**
Choose this option for 3G connection

Prev Next Cancel Connect

If you selected Dynamic, you may need to enter the MAC address of the computer that was last connected directly to your modem. If you are currently using that computer, click **Clone Your PC's MAC Address** and then click **Next** to continue.

The Host Name is optional but may be required by some ISPs. The default host name is the device name of the Router and may be changed.

Click **Connect** to save your settings. Once the router is finished rebooting, click **Continue**. Please allow 1-2 minutes to connect.

Close your browser window and reopen it to test your Internet connection. It may take a few tries to initially connect to the Internet.

DHCP CONNECTION (DYNAMIC IP ADDRESS)

To set up this connection, please make sure that you are connected to the D-Link Router with the PC that was originally connected to your broadband connection. If you are, then click the Clone MAC button to copy your computer's MAC Address to the D-Link Router.

MAC Address : (optional)

Host Name :

Note: You may also need to provide a Host Name. If you do not have or know this information, please contact your ISP.

DNS SETTINGS

Primary DNS Address :
Secondary DNS Address :

SETUP COMPLETE!

The Internet Connection Setup Wizard has completed. Click the Connect button to save your settings and reboot the router.

Internet Setup

If you opt to set up your Internet connection manually, you will be redirected to a WAN page that allows you to select your Internet type and enter the correct configuration parameters.

Select your Internet connection type using the “**My Internet Connection is**” drop-down menu.

Click the **Save Settings** button when you have configured the connection.

D-Link

DAP-1350 // RT

SETUP ADVANCED MAINTENANCE STATUS HELP

INTERNET SETTINGS

WIRELESS SETTINGS

NETWORK SETTINGS

USB SETTINGS

LOGOUT

WAN

Use this section to configure your Internet Connection type. There are several connection types to choose from: Static IP, DHCP, PPPoE, PPTP, and L2TP. If you are unsure of your connection method, please contact your Internet Service Provider.

Note : If using the PPPoE option, you will need to remove or disable any PPPoE client software on your computers.

Save Settings Don't Save Settings

INTERNET CONNECTION TYPE

Choose the mode to be used by the router to connect to the Internet.

My Internet Connection is : Dynamic IP (DHCP)

DYNAMIC IP (DHCP) INTERNET CONNECTION TYPE :

Use this Internet connection type if your Internet Service Provider (ISP) didn't provide you with IP Address information and/or a username and password.

Host Name :

Use Unicasting : (compatibility for some DHCP Servers)

Primary DNS Server :

Secondary DNS Server :

MTU : (bytes) MTU default = 1500

MAC Address :

Clone Your PC's MAC address

Helpful Hints...

When configuring the router to access the Internet, be sure to choose the correct **Internet Connection Type** from the drop down menu. If you are unsure of which option to choose, contact your **Internet Service Provider (ISP)**.

If you are having trouble accessing the Internet through the router, double check any settings you have entered on this page and verify them with your ISP if needed.

For added security, it is recommended that you disable the WAN Ping Respond option. Ping is often used by malicious Internet users to locate active networks or PCs.

If you are having trouble receiving multicast streams from the Internet, make sure the Multicast Streams option is enabled.

More...

WIRELESS

Dynamic IP (DHCP)

Select Dynamic IP(DHCP) to obtain IP Address information automatically from your ISP. Select this option if your ISP does not give you any IP number to use. This option is commonly used for Cable modem services.

Host Name: The Host Name is optional but may be required by some ISPs.

Use Unicasting: Select if you are having problems obtaining an IP address from your DHCP server.

DNS Server: Enter the Primary and Secondary DNS server IP address assigned by your ISP.

MTU: You may need to change the MTU (Maximum Transmission Unit) for optimal performance with your specific ISP. The default MTU size is 1500.

MAC Address: The default MAC address is set to the Ethernet MAC address your DAP-1350. You can click the **Clone Your PC's MAC Address** button to replace the AP's MAC address with the MAC address of the PC that you used to register with your ISP. It is not recommended that you change the default MAC address unless required by your ISP.

INTERNET CONNECTION TYPE

Choose the mode to be used by the router to connect to the Internet.

My Internet Connection is : ▼

DYNAMIC IP (DHCP) INTERNET CONNECTION TYPE :

Use this Internet connection type if your Internet Service Provider (ISP) didn't provide you with IP Address information and/or a username and password.

Host Name :

Use Unicasting : (compatibility for some DHCP Servers)

Primary DNS Server :

Secondary DNS Server :

MTU : (bytes) MTU default = 1500

MAC Address :

Static IP

Select Static IP if all WAN IP information is provided to you by your ISP. You will need to enter in the IP address, subnet mask, gateway address, and DNS address(es) provided to you by your ISP.

IP Address: Enter the IP Address provided by your ISP (Internet Service Provider).

Subnet Mask: 255.255.255.0 is the default subnet mask. All devices on the network must have the same subnet mask to communicate on the network.

Default Gateway: Enter the IP Address of the gateway in your network.

Primary DNS Server: Enter the Primary DNS (Domain Name System) server IP address assigned by your ISP.

Secondary DNS Server: Enter the Secondary DNS (optional) server IP address assigned by your ISP.

MTU: You may need to change the MTU (Maximum Transmission Unit) for optimal performance with your specific ISP. The default MTU size is 1500.

Clone MAC Address: The default MAC address is set to the MAC address on the AP (Access Point). You can click the Clone Your PC's MAC Address button to replace the AP's MAC address with the MAC address of your Ethernet card. It is not recommended that you change the default MAC address unless required by your ISP.

INTERNET CONNECTION TYPE

Choose the mode to be used by the router to connect to the Internet.

My Internet Connection is :

STATIC IP ADDRESS INTERNET CONNECTION TYPE :

Enter the static address information provided by your Internet Service Provider (ISP).

IP Address :

Subnet Mask :

Default Gateway :

Primary DNS Server :

Secondary DNS Server :

MTU : (bytes) MTU default = 1500

MAC Address :

PPPoE

Select PPPoE (Point-to-Point Protocol over Ethernet) if your ISP uses a PPPoE connection. Your ISP will provide you with a username and password. This option is typically used for DSL services. Make sure to remove your PPPoE software from your computer. The software is no longer needed and will not work through the DAP-1350.

Username: Enter your PPPoE user name.

Password: Enter your PPPoE password and then retype the password in the next box.

Service Name: Enter the ISP Service Name (optional).

Reconnect Mode: Select **Always on**, **On Demand** or **Manual**.

Maximum Idle Time: Enter the time (in minutes) where the router will disconnect if idle for the time specified.

DNS Servers: Enter the Primary and Secondary DNS (Domain Name System) server IP address assigned by your ISP.

MTU: You may need to change the MTU (Maximum Transmission Unit) for optimal performance with your specific ISP. The default MTU size is 1400.

Clone MAC Address: The default MAC address is set to the MAC address on the AP (Access Point). You can click the **Clone Your PC's MAC Address** button to replace the AP's MAC address with the MAC address of your Ethernet card. It is not recommended that you change the default MAC address unless required by your ISP.

INTERNET CONNECTION TYPE

Choose the mode to be used by the router to connect to the Internet.

My Internet Connection is : PPPoE (Username / Password) ▼

PPPOE INTERNET CONNECTION TYPE :

Enter the information provided by your Internet Service Provider (ISP).

Address Mode : Dynamic IP Static IP

IP Address :

Username :

Password :

Verify Password :

Service Name : (optional)

Reconnect Mode : Always on On demand Manual

Maximum Idle Time : (minutes, 0=infinite)

Primary DNS Server : (optional)

Secondary DNS Server : (optional)

MTU : (bytes) MTU default = 1492

MAC Address :

PPTP

Choose PPTP (Point-to-Point Tunneling Protocol) if your ISP uses a PPTP connection. Your ISP will provide you with a username and password. This option is typically used for DSL services.

PPTP IP Address: Enter the IP address (Static PPTP only).

PPTP Subnet Mask: Enter the subnet mask.

PPTP Server IP Address: Enter the Server IP Address provided by your ISP.

Username: Enter your PPTP username.

Password: Enter your PPTP password and then retype the password in the next box.

Reconnect Mode: Select **Always on**, **On Demand** or **Manual**.

Maximum Idle Time: Enter the time (in minutes) where the router will disconnect if idle for the time specified.

DNS Servers: Enter the Primary and Secondary DNS (Domain Name System) server IP address assigned by your ISP.

MTU: You may need to change the MTU (Maximum Transmission Unit) for optimal performance with your specific ISP. The default MTU size is 1400.

Clone MAC Address: The default MAC address is set to the MAC address on the AP (Access Point). You can click the **Clone Your PC's MAC Address** button to replace the AP's MAC address with the MAC address of your Ethernet card. It is not recommended that you change the default MAC address unless required by your ISP.

INTERNET CONNECTION TYPE

Choose the mode to be used by the router to connect to the Internet.

My Internet Connection is : PPTP (Username / Password) ▼

PPTP INTERNET CONNECTION TYPE :

Enter the information provided by your Internet Service Provider (ISP).

Address Mode : Dynamic IP Static IP

PPTP IP Address :

PPTP Subnet Mask :

PPTP Gateway IP Address :

PPTP Server IP Address :

Username :

Password :

Verify Password :

Reconnect Mode : Always on On demand Manual

Maximum Idle Time : (minutes, 0=infinite)

Primary DNS Server :

Secondary DNS Server :

MTU : (bytes) MTU default = 1492

MAC Address :

Clone Your PC's MAC address

L2TP

Choose L2TP (Point-to-Point Tunneling Protocol) if your ISP uses a L2TP connection. Your ISP will provide you with a username and password. This option is typically used for DSL services.

PPTP IP Address: Enter the IP address (Static PPTP only).

PPTP Subnet Mask: Enter the subnet mask.

PPTP Server IP Address: Enter the Server IP Address provided by your ISP.

Username: Enter your PPTP username.

Password: Enter your PPTP password and then retype the password in the next box.

Reconnect Mode: Select **Always on**, **On Demand** or **Manual**.

Maximum Idle Time: Enter the time (in minutes) where the router will disconnect if idle for the time specified.

DNS Servers: Enter the Primary and Secondary DNS (Domain Name System) server IP address assigned by your ISP.

MTU: You may need to change the MTU (Maximum Transmission Unit) for optimal performance with your specific ISP. The default MTU size is 1400.

Clone MAC Address: The default MAC address is set to the MAC address on the AP (Access Point). You can click the **Clone Your PC's MAC Address** button to replace the AP's MAC address with the MAC address of your Ethernet card. It is not recommended that you change the default MAC address unless required by your ISP.

INTERNET CONNECTION TYPE

Choose the mode to be used by the router to connect to the Internet.

My Internet Connection is : L2TP (Username / Password) ▼

L2TP INTERNET CONNECTION TYPE :

Enter the information provided by your Internet Service Provider (ISP).

Address Mode : Dynamic IP Static IP

L2TP IP Address :

L2TP Subnet Mask :

L2TP Gateway IP Address :

L2TP Server IP Address :

Username :

Password :

Verify Password :

Reconnect Mode : Always on On demand Manual

Maximum Idle Time : (minutes, 0=infinite)

Primary DNS Server :

Secondary DNS Server :

MTU : (bytes) MTU default = 1492

MAC Address :

Wireless Setup Wizard

You may click **Wireless Network Setup Wizard** to quickly configure your router. Refer to the next page.

To set up your wireless network, click **Add Wireless Device With WPS** and skip to page 76.

If you want to enter your settings without running the wizard, click **Manual Wireless Network Setup** and skip to page 77.

The screenshot shows the D-Link router's web interface for the DAP-1350 RT. The top navigation bar includes tabs for SETUP, ADVANCED, MAINTENANCE, STATUS, and HELP. The left sidebar lists menu items: INTERNET SETTINGS, WIRELESS SETTINGS (highlighted), NETWORK SETTINGS, USB SETTINGS, and LOGOUT. The main content area is titled 'WIRELESS SETTINGS' and contains three wizard options:

- WIRELESS NETWORK SETUP WIZARD**: This wizard is designed to assist you in your wireless network setup. It will guide you through step-by-step instructions on how to set up your wireless network and how to make it secure. A button labeled 'Wireless Network Setup Wizard' is present.
- ADD WIRELESS DEVICE WITH WPS (WI-FI PROTECTED SETUP) WIZARD**: This wizard is designed to assist you in connecting your wireless device to your wireless router. It will guide you through step-by-step instructions on how to get your wireless device connected. Click the button below to begin. A button labeled 'Add Wireless Device With WPS' is present.
- MANUAL WIRELESS NETWORK SETUP**: If your wireless network is already set up with Wi-Fi Protected Setup, manual configuration of the wireless network will destroy the existing wireless network. If you would like to configure the wireless settings of your new D-Link Systems Router manually, then click on the Manual Wireless Network Setup button below. A button labeled 'Manual Wireless Network Setup' is present.

On the right side, there is a 'Helpful Hints...' section with three paragraphs of text and a 'More...' link at the bottom.

WIRELESS

Type your desired wireless network name (SSID).

Automatically: Select this option to automatically generate the router's network key and click **Next**.

Manually: Select this option to manually enter your network key and click **Next**.

If you selected **Automatically**, the summary window will display your settings. Write down the security key and enter this on your wireless clients. Click **Save** to save your settings.

STEP 1: WELCOME TO THE D-LINK WIRELESS SECURITY SETUP WIZARD

Give your network a name, using up to 32 characters.

Wireless Network Name (SSID) :

Automatically assign a network key (Recommended)
To prevent outsiders from accessing your network, the router will automatically assign a security to your network.

Manually assign a network key
Use this options if you prefer to create our own key.

Use WPA encryption instead of WEP (WPA is stronger than WEP and all D-Link wireless client adapters support WPA)

Note: All D-Link wireless adapters currently support WPA.

Prev Next Cancel Connect

SETUP COMPLETE!

Below is a detailed summary of your wireless security settings. Please print this page out, or write the information on a piece of paper, so you can configure the correct settings on your wireless client adapters.

Wireless Network Name dlink
(SSID) :

WEP Key Length : 128 bits

Default WEP Key to Use : 1

Authentication : Both

WEP Key : 662247F9E4A672D452B052C6CD

Prev Next Cancel Save

If you selected **Manually assign a network key** as the configuration method, enter your network key. This key must be entered on your wireless clients.

Check the **Use WPA encryption instead of WEP** box to use WPA Encryption instead of WEP.

Click **Next** to continue.

STEP 1: WELCOME TO THE D-LINK WIRELESS SECURITY SETUP WIZARD

Give your network a name, using up to 32 characters.

Wireless Network Name (SSID) :

Automatically assign a network key(Recommended)
To prevent outsiders from accessing your network, the router will automatically assign a security to your network.

Manually assign a network key
Use this options if you prefer to create our own key.

Use WPA encryption instead of WEP(WPA is stronger than WEP and all D-Link wireless client adapters support WPA)

Note: All D-Link wireless adapters currently support WPA.

For **WEP** encryption, enter a Network Key exactly 5 or 13 characters long or exactly 10 or 26 characters using 0-9 and A-F.

Click **Next** to continue.

STEP 2: SET YOUR WIRELESS SECURITY PASSWORD

You have selected your security level - you will need to set a wireless security password.

The WEP (Wired Equivalent Privacy) key must meet one of following guidelines:

- Exactly 5 or 13 characters
- Exactly 10 or 26 characters using 0-9 and A-F

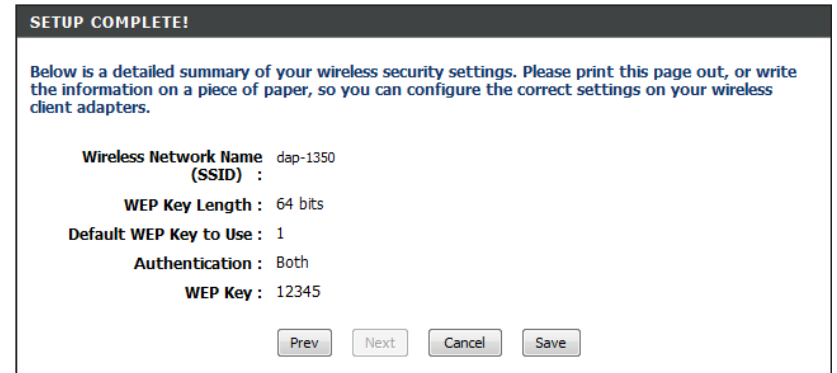
A longer WEP key is more secure than a short one

Wireless Security Password :

Note: You will need to enter the same password as keys in this step into your wireless clients in order to enable proper wireless communication.

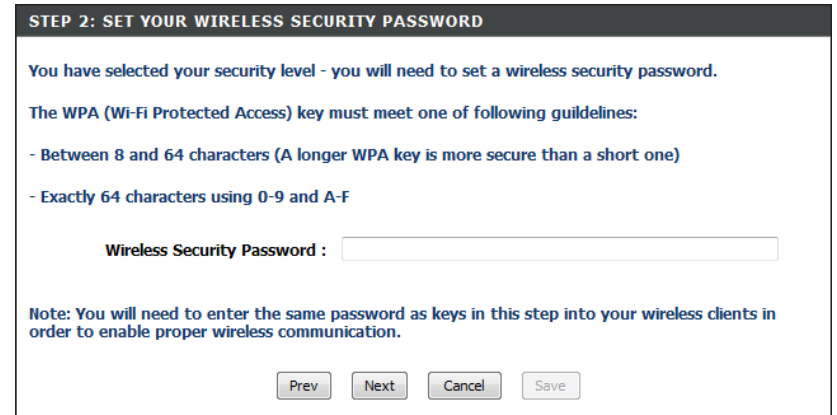
The summary screen will appear.

Click **Save** to continue.



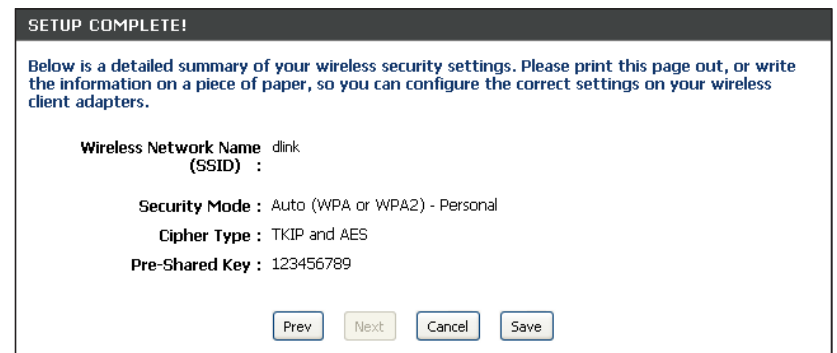
If you select **WPA**, enter the wireless security password (8-32 characters). Click **Next** to complete the Setup Wizard.

Click **Next** to continue.



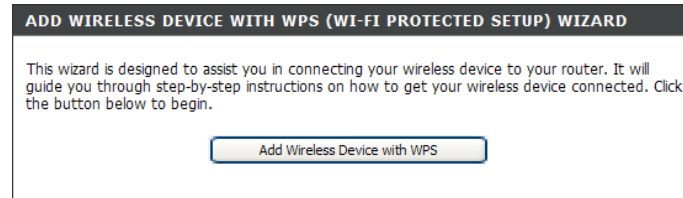
The summary screen will appear.

Click **Save** to continue.



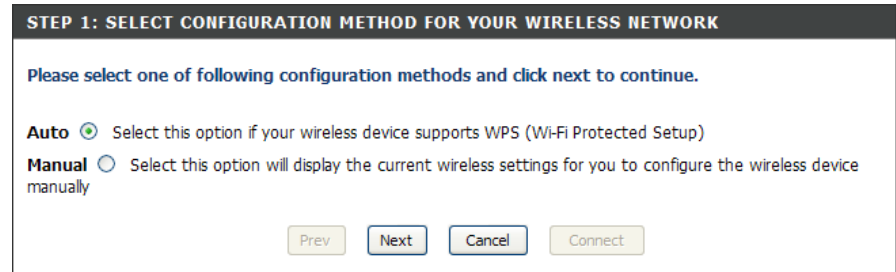
Add Wireless Device with WPS Wizard

From the **Setup > Wireless Settings** screen, click **Add Wireless Device with WPS**.



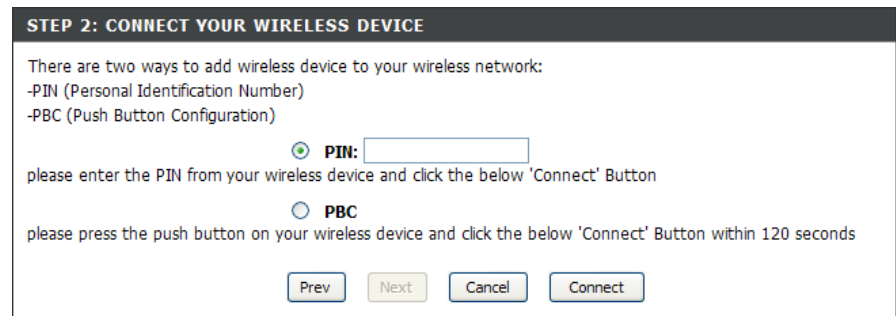
Select **Auto** to add a wireless client using WPS (Wi-Fi Protected Setup). Once you select **Auto** and click **Connect**, you will have a 120 second time limit to apply the settings to your wireless client(s) and successfully establish a connection.

If you select **Manual**, a settings summary screen will appear. Write down the security key and enter this on your wireless clients.



PIN: Select this option to use PIN method. In order to use this method you must know the wireless client's 8 digit PIN and click **Connect**.

PBC: Select this option to use PBC (Push Button) method to add a wireless client. Click **Connect**.



Wireless Settings

Enable Wireless: Select this to turn the Wi-Fi module on and off. Use the drop-down box to select if you want to use a schedule. Click **Add New Schedule** to add or change a schedule.

Wireless Network Name: Enter a wireless network name (SSID) for your network (up to 32 characters).

Wireless Mode: Select the appropriate 802.11 mode based on the wireless clients in your network. The drop-down menu options are **802.11g Only**, **Mixed 802.11b/g**, **802.11b Only**, **802.11n Only**, or **Mixed 802.11b/g/n**.

Enable Auto Channel Scan: Check this box to have the device automatically scan for the best available channel.

Wireless Channel: Select a wireless channel. It is recommended to use channels 1,6, or 11. This option will be disabled if the *Auto Channel Scan* box is checked.

Transmission Rate: Select the transmission rate. It is strongly suggested to use the Auto setting for optimal performance.

Channel Width: Select the appropriate channel width between **20MHz** or **Auto 20/40MHz** from the drop-down menu.

Visibility Status: Select **Invisible** if you do not want the SSID of your wireless network to be broadcast by the DAP-1350. If Invisible is selected, the SSID of the DAP-1350 will not be seen by Site Survey utilities so your wireless clients will have to know the SSID of your DAP-1350 in order to connect to it.

Wireless Security Mode: Select a wireless security setting. Options are None, WEP, WPA, or WPA2. Refer to the **Wireless Security** section of this manual for a detailed explanation of the wireless security options.

The screenshot shows the D-Link DAP-1350 RT configuration interface. The 'WIRELESS' settings are as follows:

- Enable Wireless:** Always Add New Schedule
- Wireless Network Name:** dlink (Also called the SSID)
- Wireless Mode:** Mixed 802.11n, 802.11g and 802.11b
- Enable Auto Channel Scan:**
- Wireless Channel:** 6 (Domain:United States)
- Transmission Rate:** Auto (Mbit/s)
- Channel Width:** 20 MHz
- Visibility Status:** Visible Invisible

The **WIRELESS SECURITY MODE** section shows:

- Security Mode:** None

Helpful Hints...: Changing your Wireless Network Name is the first step in securing your wireless network. Change it to a familiar name that does not contain any personal information. Enable Auto Channel Scan: the router can select the best possible channel for your wireless network to operate on. Enabling Hidden Mode is another way to secure your network. With this option enabled, no wireless clients will be able to see your wireless network when they scan to see what's available. For your wireless devices to connect to your router, you will need to manually enter the Wireless Network Name.

Network Settings

IP Address: Enter the IP address of the router. The default IP address is 192.168.0.1.

If you change the IP address, once you click **Apply**, you will need to enter the new IP address in your browser to get back into the configuration utility.

Subnet Mask: Enter the Subnet Mask. The default subnet mask is 255.255.255.0.

Local Domain: Enter the Domain name (Optional).

Enable DNS Relay: Uncheck the box to transfer the DNS server information from your ISP to your computers. If checked, your computers will use the router for a DNS server.

D-Link

DAP-1350 // RT

SETUP ADVANCED MAINTENANCE STATUS HELP

INTERNET SETTINGS
WIRELESS SETTINGS
NETWORK SETTINGS
USB SETTINGS
LOGOUT

NETWORK SETTINGS

Use this section to configure the internal network settings of your router and also to configure the built-in DHCP Server to assign IP addresses to the computers on your network. The IP Address that is configured here is the IP Address that you use to access the Web-based management interface. If you change the IP Address here, you may need to adjust your PC's network settings to access the network again.

Save Settings Don't Save Settings

ROUTER SETTINGS

Use this section to configure the internal network settings of your router. The IP Address that is configured here is the IP Address that you use to access the Web-based management interface. If you change the IP Address here, you may need to adjust your PC's network settings to access the network again.

Router IP Address : 192.168.0.50
Subnet Mask : 255.255.255.0
Device Name : dlinkap
Local Domain Name : (optional)
Enable DNS Relay :

DHCP SERVER SETTINGS

Use this section to configure the built-in DHCP Server to assign IP addresses to the computers on your network.

Enable DHCP Server :
DHCP IP Address Range : 192.168.0.100 to 192.168.0.199
DHCP Lease Time : 10080 (minutes)

ADD DHCP RESERVATION

Enable :
Computer Name : << Computer Name
IP Address :
MAC Address :
Clone Your PC's MAC address
Save Clear

DHCP RESERVATIONS LIST

Enable	Computer Name	MAC Address	IP Address

NUMBER OF DYNAMIC DHCP CLIENTS:

Hardware Address	Assigned IP	Hostname	Expires
00:1e:58:48:cc:96	192.168.0.100	dlinkpm2-niszmn	Tue Jan 8 00:01:02 2008

WIRELESS

Helpful Hints...

If you already have a DHCP server on your network or are using static IP addresses on all the devices on your network, uncheck **Enable DHCP Server** to disable this feature.

If you have devices on your network that should always have fixed IP addresses, add a **DHCP Reservation** for each such device.

[More...](#)

DHCP Server Settings

DHCP stands for Dynamic Host Control Protocol. The DAP-1350 has a built-in DHCP server. The DHCP Server will automatically assign an IP address to the computers on the LAN/private network. Be sure to set your computers to be DHCP clients by setting their TCP/IP settings to “Obtain an IP Address Automatically.” When you turn your computers on, they will automatically load the proper TCP/IP settings provided by the DAP-1350. The DHCP Server will automatically allocate an unused IP address from the IP address pool to the requesting computer. You must specify the starting and ending address of the IP address pool.

Enable DHCP Server: Check this box to enable the DHCP server on your router. Uncheck to disable this function.

DHCP IP Address Range: Enter the starting and ending IP addresses for the DHCP server’s IP assignment.

Note: If you statically (manually) assign IP addresses to your computers or devices, make sure the IP addresses are outside of this range or you may have an IP conflict.

Lease Time: The length of time for the IP address lease. Enter the Lease time in minutes.

Add DHCP Reservation: Refer to the next page for the DHCP Reservation function.

DHCP SERVER SETTINGS

Use this section to configure the built-in DHCP Server to assign IP addresses to the computers on your network.

Enable DHCP Server :

DHCP IP Address Range : to

DHCP Lease Time : (minutes)

ADD DHCP RESERVATION

Enable :

Computer Name : << Computer Name ▾

IP Address :

MAC Address :

DHCP RESERVATIONS LIST

Enable	Computer Name	MAC Address	IP Address

NUMBER OF DYNAMIC DHCP CLIENTS:

Hardware Address	Assigned IP	Hostname	Expires
00:1e:58:48:cc:86	192.168.0.101	dlinkpm2-niszmn	Tue Jan 8 00:00:04 2008