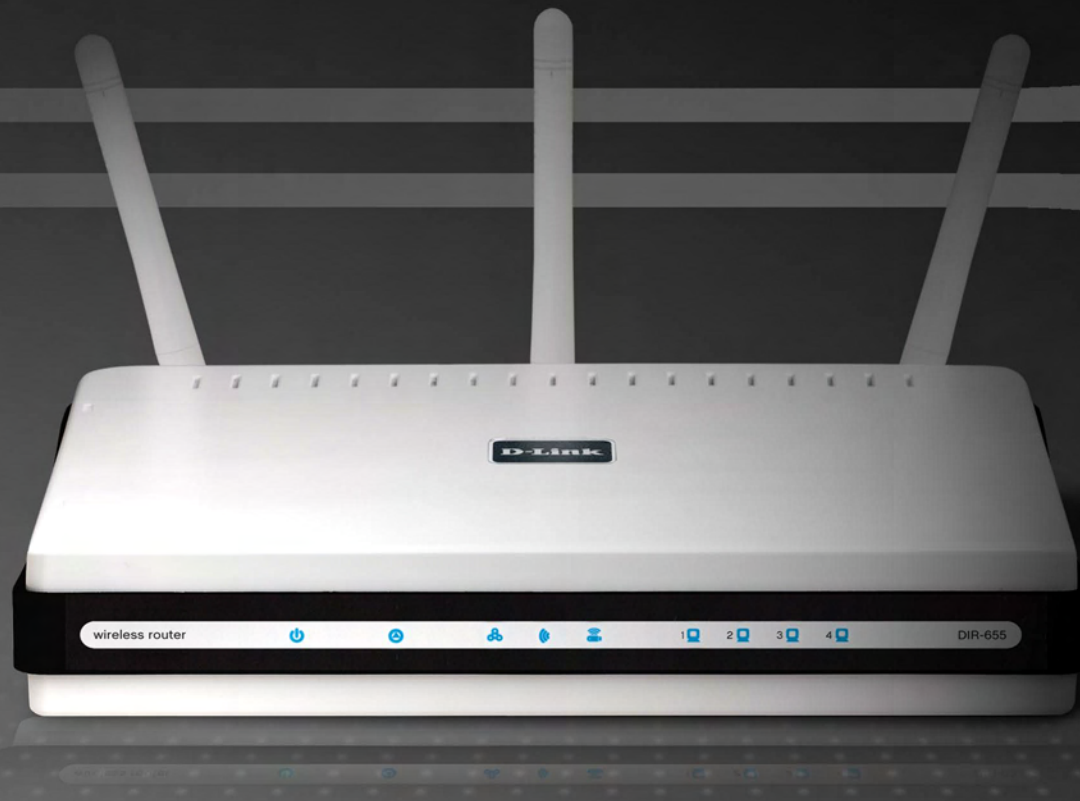


USER MANUAL

DIR-655

VERSION 1.1



D-Link®

WIRELESS

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Package Contents

- D-Link DIR-655 Xtreme N™ Router
- 3 Detachable Antennas
- Power Adapter
- CAT5 Ethernet Cable
- CD-ROM with Installation Wizard, User Manual, and Special Offers



Note: Using a power supply with a different voltage rating than the one included with the DIR-655 will cause damage and void the warranty for this product.

System Requirements

- Ethernet-based Cable or DSL Modem
- Computers with Windows®, Macintosh®, or Linux-based operating systems with an installed Ethernet adapter
- Internet Explorer Version 6.0, Mozilla 1.7.12 (5.0), or Firefox 1.5 and above (for configuration)
- Installation Wizard requires Windows® XP with Service Pack 2

Introduction

TOTAL PERFORMANCE

Combines award winning router features and Draft 802.11n wireless technology to provide the best wireless performance

TOTAL SECURITY

The most complete set of security features including Active Firewall and WPA2 to protect your network against outside intruders

TOTAL COVERAGE

Provides greater wireless signal rates even at farther distances for best-in-class Whole Home Coverage.

ULTIMATE PERFORMANCE

The D-Link Xtreme N™ Router (DIR-655) is a draft 802.11n compliant device that delivers real world performance of up to 650% faster than an 802.11g wireless connection (also faster than a 100Mbps wired Ethernet connection). Create a secure wireless network to share photos, files, music, video, printers, and network storage throughout your home. Connect the Xtreme N™ Router to a cable or DSL modem and share your high-speed Internet access with everyone on the network. In addition, this Router includes a Quality of Service (QoS) engine that keeps digital phone calls (VoIP) and online gaming smooth and responsive, providing a better Internet experience.

EXTENDED WHOLE HOME COVERAGE

Powered by Xtreme N™ technology, this high performance router provides superior Whole Home Coverage while reducing dead spots. The Xtreme N™ Router is designed for use in bigger homes and for users who demand higher performance networking. Add a Xtreme N™ notebook or desktop adapter and stay connected to your network from virtually anywhere in your home.

TOTAL NETWORK SECURITY

The Xtreme N™ Router supports all of the latest wireless security features to prevent unauthorized access, be it from over the wireless network or from the Internet. Support for WPA and WEP standards ensure that you'll be able to use the best possible encryption method, regardless of your client devices. In addition, this Xtreme N™ Router utilizes dual active firewalls (SPI and NAT) to prevent potential attacks from across the Internet.

* Maximum wireless signal rate derived from IEEE Standard 802.11g and Draft 802.11n specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate. Environmental conditions will adversely affect wireless signal range.

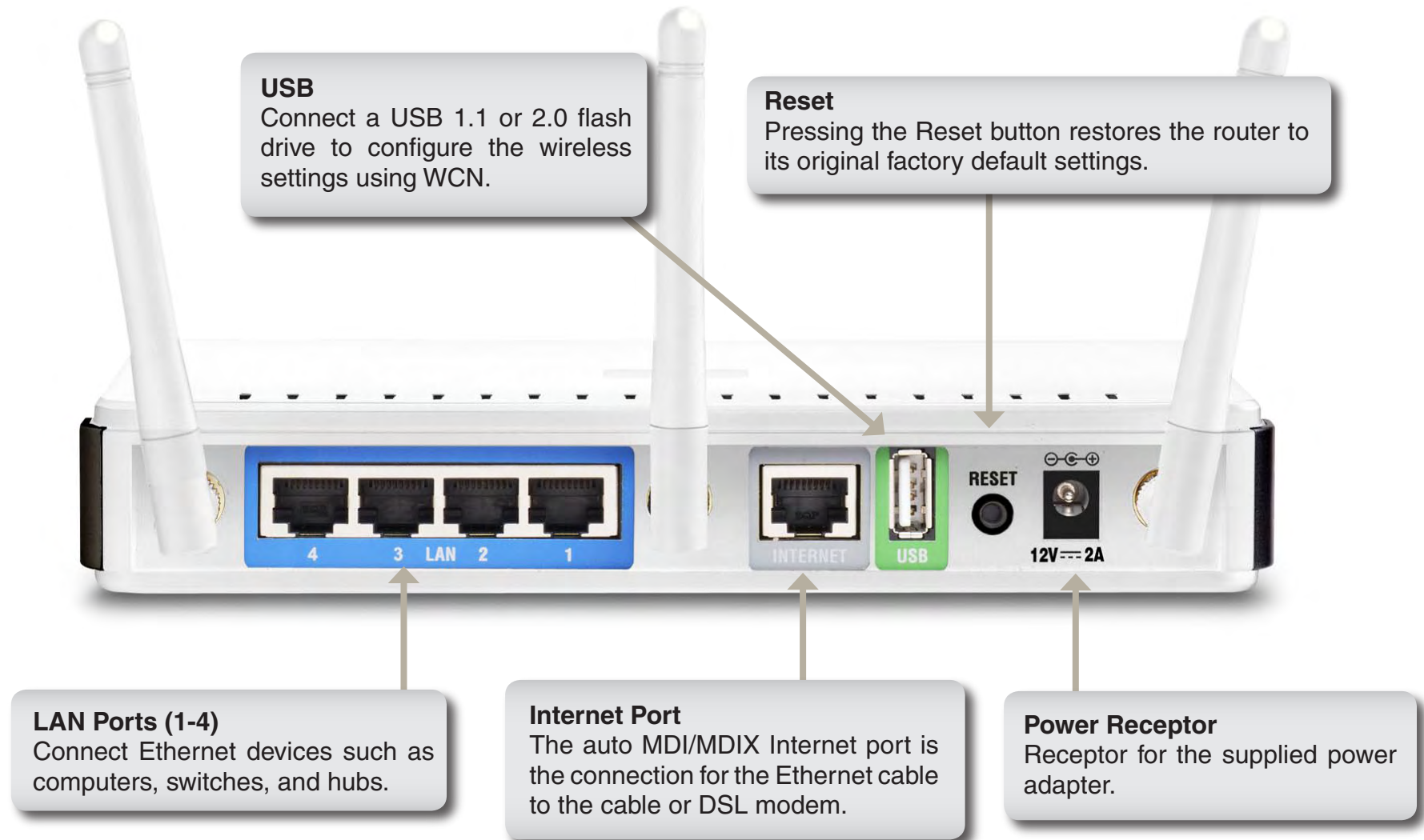
Features

- **Faster Wireless Networking** - The DIR-655 provides up to 300Mbps* wireless connection with other 802.11n wireless clients. This capability allows users to participate in real-time activities online, such as video streaming, online gaming, and real-time audio. The performance of this 802.11n wireless router gives you the freedom of wireless networking at speeds 650% faster than 802.11g.
- **Compatible with 802.11b and 802.11g Devices** - The DIR-655 is still fully compatible with the IEEE 802.11b standard, so it can connect with existing 802.11b PCI, USB and Cardbus adapters.
- **Advanced Firewall Features** - The Web-based user interface displays a number of advanced network management features including:
 - **Content Filtering** - Easily applied content filtering based on MAC Address, URL, and/or Domain Name.
 - **Filter Scheduling** - These filters can be scheduled to be active on certain days or for a duration of hours or minutes.
 - **Secure Multiple/Concurrent Sessions** - The DIR-655 can pass through VPN sessions. It supports multiple and concurrent IPSec and PPTP sessions, so users behind the DIR-655 can securely access corporate networks.
- **User-friendly Setup Wizard** - Through its easy-to-use Web-based user interface, the DIR-655 lets you control what information is accessible to those on the wireless network, whether from the Internet or from your company's server. Configure your router to your specific settings within minutes.

* Maximum wireless signal rate derived from IEEE Standard 802.11g and Draft 802.11n specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate. Environmental conditions will adversely affect wireless signal range.

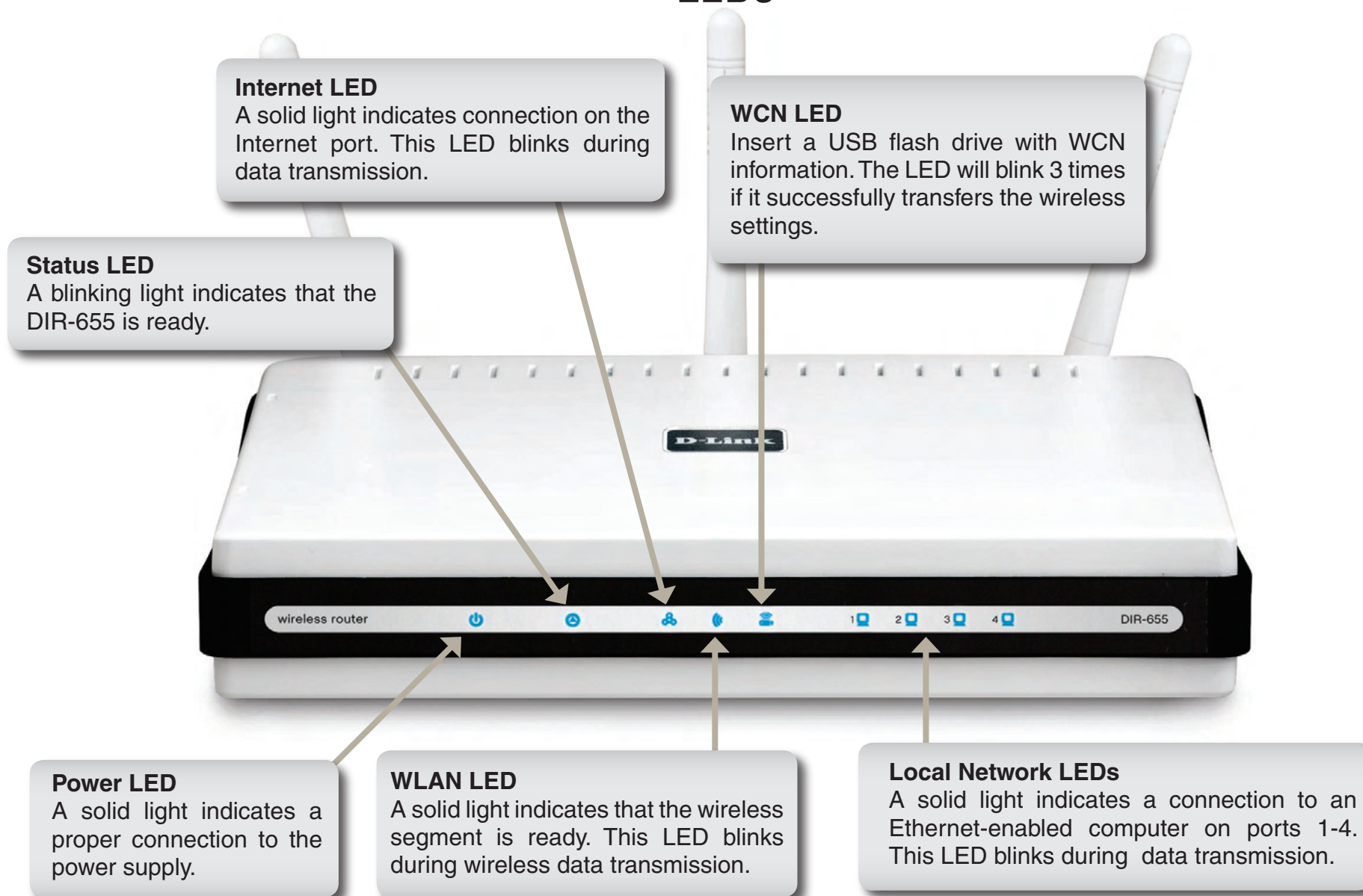
Hardware Overview

Connections



Hardware Overview

LEDs



Installation

This section will walk you through the installation process. Placement of the router is very important. Do not place the router in an enclosed area such as a closet, cabinet, or in the attic or garage.

Before you Begin

Please configure the router with the computer that was last connected directly to your modem. Also, you can only use the Ethernet port on your modem. If you were using the USB connection before using the router, then you must turn off your modem, disconnect the USB cable and connect an Ethernet cable to the Internet port on the router, and then turn the modem back on. In some cases, you may need to call your ISP to change connection types (USB to Ethernet).

If you have DSL and are connecting via PPPoE, make sure you disable or uninstall any PPPoE software such as WinPoet, Broadjump, or Enternet 300 from your computer or you will not be able to connect to the Internet.

Wireless Installation Considerations

The D-Link wireless router lets you access your network using a wireless connection from virtually anywhere within the operating range of your wireless network. Keep in mind, however, that the number, thickness and location of walls, ceilings, or other objects that the wireless signals must pass through, may limit the range. Typical ranges vary depending on the types of materials and background RF (radio frequency) noise in your home or business. The key to maximizing wireless range is to follow these basic guidelines:

1. Keep the number of walls and ceilings between the D-Link router and other network devices to a minimum - each wall or ceiling can reduce your adapter's range from 3-90 feet (1-30 meters.) Position your devices so that the number of walls or ceilings is minimized.
2. Be aware of the direct line between network devices. A wall that is 1.5 feet thick (.5 meters), at a 45-degree angle appears to be almost 3 feet (1 meter) thick. At a 2-degree angle it looks over 42 feet (14 meters) thick! Position devices so that the signal will travel straight through a wall or ceiling (instead of at an angle) for better reception.
3. Building Materials make a difference. A solid metal door or aluminum studs may have a negative effect on range. Try to position access points, wireless routers, and computers so that the signal passes through drywall or open doorways. Materials and objects such as glass, steel, metal, walls with insulation, water (fish tanks), mirrors, file cabinets, brick, and concrete will degrade your wireless signal.
4. Keep your product away (at least 3-6 feet or 1-2 meters) from electrical devices or appliances that generate RF noise.
5. If you are using 2.4GHz cordless phones or X-10 (wireless products such as ceiling fans, lights, and home security systems), your wireless connection may degrade dramatically or drop completely. Make sure your 2.4GHz phone base is as far away from your wireless devices as possible. The base transmits a signal even if the phone is not in use.

Getting Started

The DIR-655 includes a Quick Router Setup Wizard CD. Follow the simple steps below to run the Setup Wizard to guide you quickly through the installation process.

Insert the **Quick Router Setup Wizard CD** in the CD-ROM drive. The step-by-step instructions that follow are shown in Windows® XP. The steps and screens are similar for the other Windows operating systems.

If the CD Autorun function does not automatically start on your computer, go to **Start > Run**. In the run box type “**D:\DIR655.exe**” (where **D:** represents the drive letter of your CD-ROM drive).

When the autorun screen appears, click **Install Router**.

Click **Install Router**



Note: It is recommended to write down the SSID and Security Key, followed by the login password on the provided CD holder.

Configuration

This section will show you how to configure your new D-Link wireless router using the web-based configuration utility.

Web-based Configuration Utility

To access the configuration utility, open a web-browser such as Internet Explorer and enter the IP address of the router (192.168.0.1).



Select **Admin** from the drop-down menu and then enter your password. Leave the password blank by default.

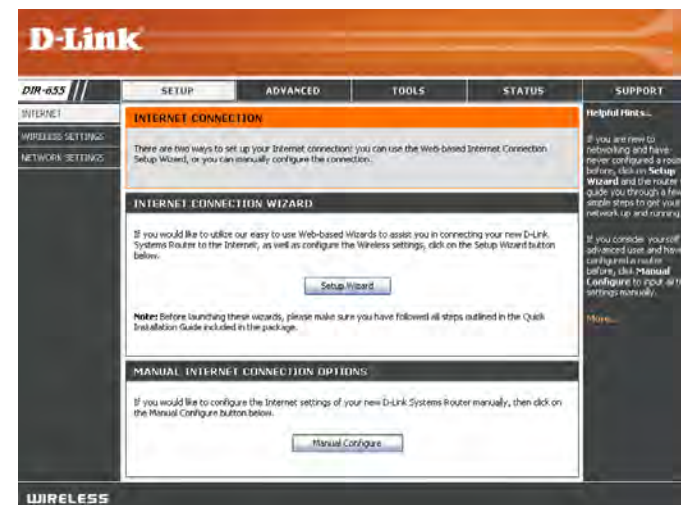
A screenshot of the D-Link router's login page. The page has an orange header with the word "LOGIN" in white. Below the header, the text "Log in to the router:" is displayed. There are two input fields: "User Name :" with a dropdown menu showing "Admin", and "Password :" with a text box. To the right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

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

Setup Wizard

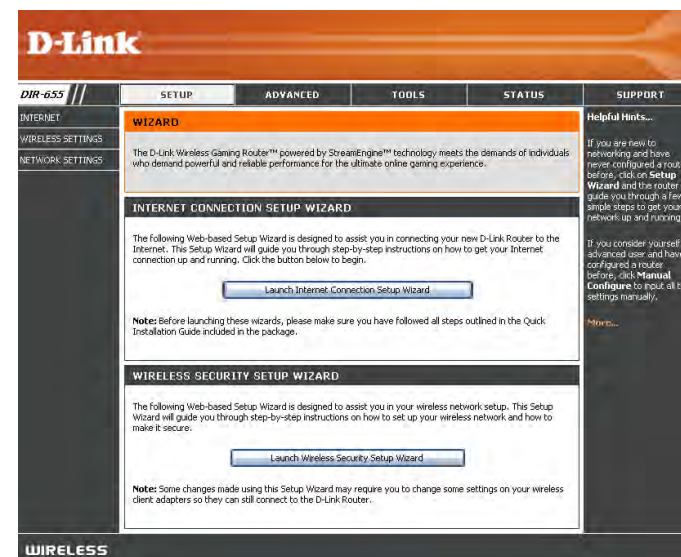
You may click **Setup Wizard** to quickly configure your router.

If you want to enter your settings without running the wizard, click **Manual Configuration** and skip to page 19.



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

If you want to configure your wireless settings, click **Launch Wireless Security Setup Wizard** and skip to page 62.

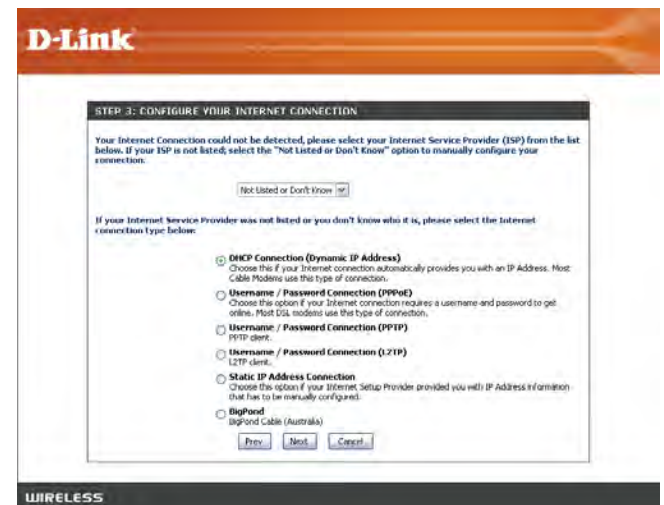
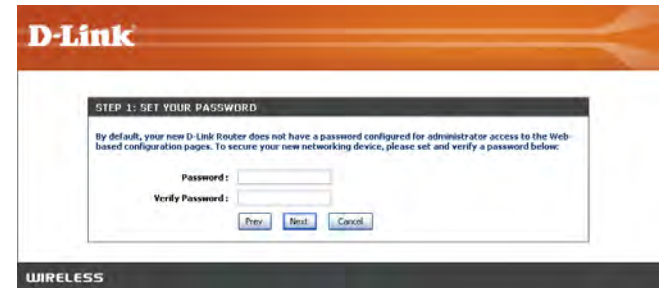
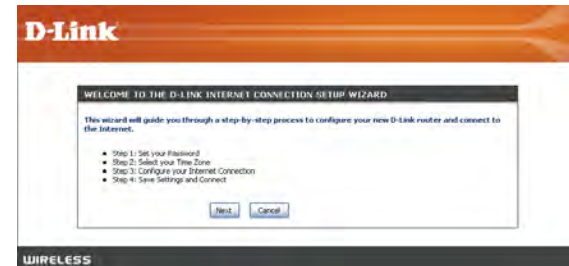


Click **Next** to continue.

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

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

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



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.

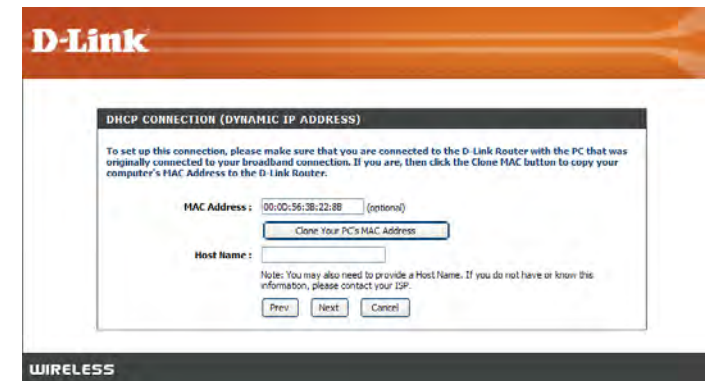
The Host Name is optional but may be required by some ISPs. The default host name is the device name of the Router and may be changed.

If you selected PPPoE, enter your PPPoE username and password. Click **Next** to continue.

Select **Static** if your ISP assigned you the IP address, subnet mask, gateway, and DNS server addresses.

Note: Make sure to remove your PPPoE software from your computer. The software is no longer needed and will not work through a router.

If you selected PPTP, enter your PPTP username and password. Click **Next** to continue.



D-Link

DHCP CONNECTION (DYNAMIC IP ADDRESS)

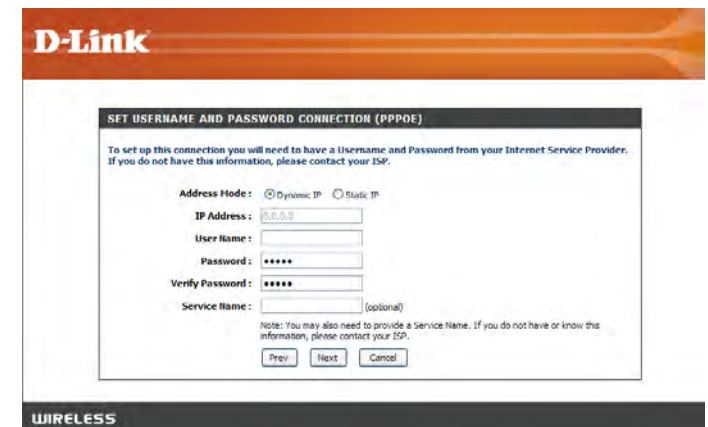
To set up this connection, please make sure that you are connected to the D-Link Router with the PC that was originally connected to your broadband connection. If you are, then click the Clone MAC button to copy your computer's MAC Address to the D-Link Router.

MAC Address: 00:0D:56:3B:22:8B (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.

WIRELESS



D-Link

SET USERNAME AND PASSWORD CONNECTION (PPPoE)

To set up this connection you will need to have a Username and Password from your Internet Service Provider. If you do not have this information, please contact your ISP.

Address Mode: ☒ Dynamic IP ☐ Static IP

IP Address: 0.0.0.0

User Name:

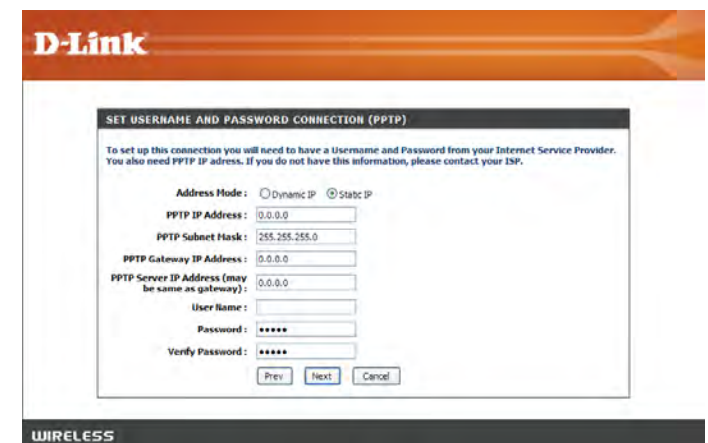
Password:

Verify Password:

Service Name: (optional)

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

WIRELESS



D-Link

SET USERNAME AND PASSWORD CONNECTION (PPTP)

To set up this connection you will need to have a Username and Password from your Internet Service Provider. You also need PPTP IP address. If you do not have this information, please contact your ISP.

Address Mode: ☐ Dynamic IP ☒ Static IP

PPTP IP Address: 0.0.0.0

PPTP Subnet Mask: 255.255.255.0

PPTP Gateway IP Address: 0.0.0.0

PPTP Server IP Address (may be same as gateway): 0.0.0.0

User Name:

Password:

Verify Password:

WIRELESS

If you selected L2TP, enter your L2TP username and password. Click **Next** to continue.

The screenshot shows the 'SET USERNAME AND PASSWORD CONNECTION (L2TP)' screen in the D-Link Wireless Setup Wizard. The title bar is orange with the D-Link logo. The main content area has a white background with a black border. It contains the following fields and options:

- Address Mode:** Radio buttons for 'Dynamic IP' and 'Static IP' (selected).
- L2TP IP Address:** Text field with '0.0.0.0'.
- L2TP Subnet Mask:** Text field with '255.255.255.0'.
- L2TP Gateway IP Address:** Text field with '0.0.0.0'.
- L2TP Server IP Address (may be same as gateway):** Text field with '0.0.0.0'.
- User Name:** Text field.
- Password:** Password field with masked characters.
- Verify Password:** Password field with masked characters.

At the bottom of the form are three buttons: 'Prev', 'Next' (highlighted in blue), and 'Cancel'. The footer of the screen is a dark grey bar with the word 'WIRELESS' in white.

If you selected Static, enter your network settings supplied by your Internet provider. Click **Next** to continue.

The screenshot shows the 'SET STATIC IP ADDRESS CONNECTION' screen in the D-Link Wireless Setup Wizard. The title bar is orange with the D-Link logo. The main content area has a white background with a black border. It contains the following fields and options:

- IP Address:** Text field with '0.0.0.0'.
- Subnet Mask:** Text field with '0.0.0.0'.
- Gateway Address:** Text field with '0.0.0.0'.
- Primary DNS Address:** Text field with '0.0.0.0'.
- Secondary DNS Address:** Text field with '0.0.0.0'.

At the bottom of the form are three buttons: 'Prev', 'Next' (highlighted in blue), and 'Cancel'. The footer of the screen is a dark grey bar with the word 'WIRELESS' in white.

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.

The screenshot shows the 'SETUP COMPLETE!' screen in the D-Link Wireless Setup Wizard. The title bar is orange with the D-Link logo. The main content area has a white background with a black border. It contains the following text and buttons:

SETUP COMPLETE!

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

At the bottom of the form are three buttons: 'Prev', 'Cancel', and 'Connect' (highlighted in blue). The footer of the screen is a dark grey bar with the word 'WIRELESS' in white.

Manual Configuration

Dynamic (Cable)

My Internet Connection: 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 numbers 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: Check the box if you are having problems obtaining an IP address from your ISP.

DNS Addresses: Enter the Primary DNS server IP address assigned by your ISP.

MTU: Maximum Transmission Unit - you may need to change the MTU for optimal performance with your specific ISP. 1500 is the default MTU.

MAC Address: The default MAC Address is set to the Internet port's physical interface MAC address on the Broadband Router. It is not recommended that you change the default MAC address unless required by your ISP. You can use the **Clone Your PC's MAC Address** button to replace the Internet port's MAC address with the MAC address of your Ethernet card.

D-Link

DIR-655

SETUP ADVANCED TOOLS STATUS SUPPORT

INTERNET WIRELESS SETTINGS NETWORK SETTINGS

WAN

Internet Connection

Use this section to configure your Internet Connection type. There are several connection types to choose from: Static IP, DHCP, PPPoE, PPTP, L2TP, and BigPond. 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 : 0.0.0.0

Secondary DNS Server : 0.0.0.0

MTU : 1500 (bytes) MTU default = 1500

MAC Address : 00:00:00:00:00:00

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.

More...

WIRELESS

Internet Setup

PPPoE (DSL)

Choose 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 a router.

My Internet Connection: Select **PPPoE (Username/Password)** from the drop-down menu.

Address Mode: Select **Static** if your ISP assigned you the IP address, subnet mask, gateway, and DNS server addresses. In most cases, select **Dynamic**.

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

User Name: 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).

Reconnection Mode: Select either **Always-on**, **On-Demand**, or **Manual**.

Maximum Idle Time: Enter the Primary and Secondary DNS Server Addresses (Static PPPoE only).

DNS Addresses: Enter a maximum idle time during which the Internet connection is maintained during inactivity. To disable this feature, enable Auto-reconnect.

MTU: Maximum Transmission Unit - you may need to change the MTU for optimal performance with your specific ISP. 1492 is the default MTU.

MAC Address: The default MAC Address is set to the Internet port's physical interface MAC address on the Broadband Router. It is not recommended that you change the default MAC address unless required by your ISP. You can use the **Clone Your PC's MAC Address** button to replace the Internet port's MAC address with the MAC address of your Ethernet card.

The screenshot shows the D-Link DIR-655 Internet Setup page. The 'WAN' tab is selected, and the 'Internet Connection' section is active. The 'My Internet Connection is' dropdown is set to 'PPPoE (Username / Password)'. Below this, the 'PPPoE INTERNET CONNECTION TYPE' section is shown, which includes fields for 'Address Mode' (Dynamic IP selected), 'IP Address', 'Username', 'Password', 'Verify Password', 'Service Name', 'Reconnect Mode' (Always on selected), 'Maximum Idle Time' (20 minutes), 'Primary DNS Server' (0.0.0.0), 'Secondary DNS Server' (0.0.0.0), 'MTU' (1492 bytes), and 'MAC Address' (00:00:00:00:00:00). A 'Clone Your PC's MAC Address' button is located at the bottom of the MAC Address field.

Internet Setup

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.

Address Mode: Select **Static** if your ISP assigned you the IP address, subnet mask, gateway, and DNS server addresses. In most cases, select **Dynamic**.

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

PPTP Subnet Mask: Enter the Primary and Secondary DNS Server Addresses (Static PPTP only).

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

PPTP Server IP: Enter the Server IP provided by your ISP (optional).

Username: Enter your PPTP username.

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

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

Maximum Idle Time: Enter a maximum idle time during which the Internet connection is maintained during inactivity. To disable this feature, enable Auto-reconnect.

DNS Servers: The DNS server information will be supplied by your ISP (Internet Service Provider.)

D-Link

DIR-655

SETUP ADVANCED TOOLS STATUS SUPPORT

INTERNET WIRELESS SETTINGS NETWORK SETTINGS

WAN

Internet Connection

Use this section to configure your Internet Connection type. There are several connection types to choose from: Static IP, DHCP, PPPoE, PPTP, L2TP, and BigPond. 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: 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: 0.0.0.0

PPTP Subnet Mask: 255.255.255.0

PPTP Gateway IP Address: 0.0.0.0

PPTP Server IP Address: 0.0.0.0

Username:

Password: *****

Verify Password: *****

Reconnect Mode: ☐ Always on ☒ On demand ☐ Manual

Maximum Idle Time: 20 (minutes, 0=infinite)

Primary DNS Server: 0.0.0.0

Secondary DNS Server: 0.0.0.0

MTU: 1400 (bytes) MTU default = 1400

MAC Address: 00:00:00:00:00:00

Clone Your PC's MAC Address

WIRELESS

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!

More...

MTU: Maximum Transmission Unit - you may need to change the MTU for optimal performance with your specific ISP. 1400 is the default MTU.

MAC Address: The default MAC Address is set to the Internet port's physical interface MAC address on the Broadband Router. It is not recommended that you change the default MAC address unless required by your ISP. You can use the **Clone Your PC's MAC Address** button to replace the Internet port's MAC address with the MAC address of your Ethernet card.

Internet Setup

L2TP

Choose L2TP (Layer 2 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.

Address Mode: Select **Static** if your ISP assigned you the IP address, subnet mask, gateway, and DNS server addresses. In most cases, select **Dynamic**.

L2TP IP Address: Enter the L2TP IP address supplied by your ISP (Static only).

L2TP Subnet Mask: Enter the Subnet Mask supplied by your ISP (Static only).

L2TP Gateway: Enter the Gateway IP Address provided by your ISP.

L2TP Server IP: Enter the Server IP provided by your ISP (optional).

Username: Enter your L2TP username.

Password: Enter your L2TP password and then retype the password in the next box.

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

Maximum Idle Time: Enter a maximum idle time during which the Internet connection is maintained during inactivity. To disable this feature, enable Auto-reconnect.

DNS Servers: Enter the Primary and Secondary DNS Server Addresses (Static L2TP only).

D-Link

DIR-655

SETUP ADVANCED TOOLS STATUS SUPPORT

INTERNET WIRELESS SETTINGS NETWORK SETTINGS

WAN

Internet Connection

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

Notes: 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: 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: 0.0.0.0

L2TP Subnet Mask: 255.255.255.0

L2TP Gateway IP Address: 0.0.0.0

L2TP Server IP Address: 0.0.0.0

Username:

Password: *****

Verify Password: *****

Reconnect Mode: ☐ Always on ☒ On demand ☐ Manual

Maximum Idle Time: 20 (minutes, 0=infinite)

Primary DNS Server: 0.0.0.0

Secondary DNS Server: 0.0.0.0

MTU: 1400 (bytes) MTU default = 1400

MAC Address: 00:00:00:00:00:00

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.

More...

WIRELESS

MTU: Maximum Transmission Unit - you may need to change the MTU for optimal performance with your specific ISP. 1400 is the default MTU.

Clone MAC Address: The default MAC Address is set to the Internet port's physical interface MAC address on the Broadband Router. It is not recommended that you change the default MAC address unless required by your ISP. You can use the **Clone Your PC's MAC Address** button to replace the Internet port's MAC address with the MAC address of your Ethernet card.

Internet Setup

Static (assigned by ISP)

Select Static IP Address if all the Internet port's 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. Each IP address entered in the fields must be in the appropriate IP form, which are four octets separated by a dot (x.x.x.x). The Router will not accept the IP address if it is not in this format.

IP Address: Enter the IP address assigned by your ISP.

Subnet Mask: Enter the Subnet Mask assigned by your ISP.

Default Gateway: Enter the Gateway assigned by your ISP.

DNS Servers: The DNS server information will be supplied by your ISP (Internet Service Provider.)

MTU: Maximum Transmission Unit - you may need to change the MTU for optimal performance with your specific ISP. 1500 is the default MTU.

MAC Address: The default MAC Address is set to the Internet port's physical interface MAC address on the Broadband Router. It is not recommended that you change the default MAC address unless required by your ISP. You can use the **Clone Your PC's MAC Address** button to replace the Internet port's MAC address with the MAC address of your Ethernet card.

The screenshot shows the D-Link router's web interface for configuring the Internet connection. The 'WAN' tab is selected under 'INTERNET' settings. The 'Internet Connection' section provides instructions and a 'Note' about PPPoE. Below this, the 'INTERNET CONNECTION TYPE' section shows 'Static IP' selected. The 'STATIC IP ADDRESS INTERNET CONNECTION TYPE' section contains input fields for IP Address, Subnet Mask, Default Gateway, Primary DNS Server, Secondary DNS Server, MTU (set to 1500), and MAC Address. A 'Clone Your PC's MAC Address' button is located at the bottom of the MAC Address field.

D-Link

DIR-655

SETUP ADVANCED TOOLS STATUS SUPPORT

INTERNET WIRELESS SETTINGS NETWORK SETTINGS

WAN

Internet Connection

Use this section to configure your Internet Connection type. There are several connection types to choose from: Static IP, DHCP, PPPoE, PPTP, L2TP, and BigPond. 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 : Static IP

STATIC IP ADDRESS INTERNET CONNECTION TYPE :

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

IP Address : 0.0.0.0

Subnet Mask : 255.255.255.0

Default Gateway : 0.0.0.0

Primary DNS Server : 0.0.0.0

Secondary DNS Server : 0.0.0.0

MTU : 1500 (bytes) MTU default = 1500

MAC Address : 00:00:00:00:00:00

Clone Your PC's MAC Address

WIRELESS

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.

More...

Internet Setup

Big Pond

BigPond Server: Enter the IP address of the login server.

BigPond Username: Enter your BigPond username.

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

DNS Servers: The DNS server information will be supplied by your ISP (Internet Service Provider.)

MTU: Maximum Transmission Unit - you may need to change the MTU for optimal performance with your specific ISP. 1500 is the default MTU.

MAC Address: The default MAC Address is set to the Internet's physical interface MAC address on the Broadband Router. It is not recommended that you change the default MAC address unless required by your ISP. You can use the **Clone Your PC's MAC Address** button to replace the Internet port's MAC address with the MAC address of your Ethernet card.

The screenshot shows the D-Link DIR-655 web interface. The top navigation bar includes tabs for SETUP, ADVANCED, TOOLS, STATUS, and SUPPORT. The left sidebar shows the menu structure: INTERNET, WIRELESS SETTINGS, and NETWORK SETTINGS. The main content area is titled 'WAN' and contains the 'Internet Connection' section. This section provides instructions on choosing a connection type (Static IP, DHCP, PPPoE, PPTP, L2TP, and BigPond) and includes a note about PPPoE. Below this, the 'INTERNET CONNECTION TYPE' section shows a dropdown menu set to 'BigPond (Australia)'. The 'BIG POND INTERNET CONNECTION TYPE' section contains fields for BigPond Server, User Id, Password, and Verify Password, as well as Primary and Secondary DNS Servers. It also includes fields for MTU (set to 1500) and MAC Address, with a 'Clone Your PC's MAC Address' button. A 'Helpful Hints...' sidebar on the right provides additional guidance on configuring the router and contacting the ISP.

D-Link

DIR-655

SETUP ADVANCED TOOLS STATUS SUPPORT

INTERNET WIRELESS SETTINGS NETWORK SETTINGS

WAN

Internet Connection

Use this section to configure your Internet Connection type. There are several connection types to choose from: Static IP, DHCP, PPPoE, PPTP, L2TP, and BigPond. 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 : BigPond (Australia)

BIG POND INTERNET CONNECTION TYPE :

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

BigPond Server :

BigPond User Id :

BigPond Password :

Verify Password :

Primary DNS Server : 0.0.0.0

Secondary DNS Server : 0.0.0.0

MTU : 1500 (bytes) MTU default = 1500

MAC Address : 00:00:00:00:00:00

Clone Your PC's MAC Address

WIRELESS

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.

More...

Wireless Settings

Enable Wireless: Check the box to enable the wireless function. If you do not want to use wireless, uncheck the box to disable all the wireless functions.

Wireless Network Name: Service Set Identifier (SSID) is the name of your wireless network. Create a name using up to 32 characters. The SSID is case-sensitive.

Enable Auto Channel Scan: The **Auto Channel Scan** setting can be selected to allow the DIR-655 to choose the channel with the least amount of interference.

Wireless Channel: Indicates the channel setting for the DIR-655. By default the channel is set to 6. The Channel can be changed to fit the channel setting for an existing wireless network or to customize the wireless network. If you enable **Auto Channel Scan**, this option will be greyed out.

802.11 Mode: Select one of the following:

802.11g Only - Select if all of your wireless clients are 802.11g.

Mixed 802.11g and 802.11b - Select if you are using both 802.11b and 802.11g wireless clients.

802.11b Only - Select if all of your wireless clients are 802.11b.

802.11n Only - Select only if all of your wireless clients are 802.11n.

Mixed 802.11n, 802.11b, and 802.11g - Select if you are using a mix of 802.11n, 11g, and 11b wireless clients.

Channel Width: Select the Channel Width:

Auto 20/40 - This is the default setting. 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 transmit rate. It is strongly suggested to select **Best (Auto)** for best performance.

The screenshot shows the D-Link DIR-655 web interface. The 'WIRELESS' tab is active. Under 'Wireless Network Settings', the 'Enable Wireless' checkbox is checked. The 'Wireless Network Name' is 'dlink'. 'Enable Auto Channel Scan' is checked. The 'Wireless Channel' is 6. The '802.11 Mode' is 'Mixed 802.11g, 802.11g and 802.11b'. The 'Channel Width' is 'Auto 20/40 MHz'. The 'Transmission Rate' is 'Best (automatic)'. The 'Visibility Status' is 'Visible'. Under 'WIRELESS SECURITY MODE', the 'Security Mode' is 'None'. A sidebar on the right contains 'Helpful hints...' and 'More...' links.

Visibility Status: Select **Invisible** if you do not want the SSID of your wireless network to be broadcasted by the DIR-655. If Invisible is selected, the SSID of the DIR-655 will not be seen by Site Survey utilities so your wireless clients will have to know the SSID of your DIR-655 in order to connect to it.

Wireless Security: Refer to page 60 for more information regarding wireless security.

Network Settings

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

The screenshot displays the D-Link DIR-655 Web-based Management Interface. The top navigation bar includes tabs for SETUP, ADVANCED, TOOLS, STATUS, and SUPPORT. The left sidebar shows a menu with INTERNET, WIRELESS SETTINGS, and NETWORK SETTINGS (which is currently selected). The main content area is titled 'NETWORK SETTINGS' and contains several sections:

- NETWORK SETTINGS:** A section with a description and two buttons: 'Save Settings' and 'Don't Save Settings'.
- ROUTER SETTINGS:** A section with a description and fields for 'Router IP Address' (192.168.0.1), 'Subnet Mask' (255.255.255.0), 'Local Domain Name' (optional), and 'Enable DNS Relay' (checked).
- DHCP SERVER SETTINGS:** A section with a description and fields for 'Enable DHCP Server' (checked), 'DHCP IP Address Range' (192.168.0.100 to 192.168.0.199), 'DHCP Lease Time' (1440 minutes), and 'Always broadcast' (checked).
- ADD DHCP RESERVATION:** A section with a description and fields for 'Enable' (checked), 'Computer Name' (with a dropdown), 'IP Address' (0.0.0.0), and 'MAC Address' (00:00:00:00:00:00). It includes a 'Copy Your PC's MAC Address' button and 'Save'/'Clear' buttons.
- DHCP RESERVATIONS LIST:** A table with columns: Enable, Computer Name, MAC Address, and IP Address.
- NUMBER OF DYNAMIC DHCP CLIENTS:** A section showing '1' client.

The bottom of the interface shows a 'WIRELESS' tab.

DHCP Server Settings

DHCP stands for Dynamic Host Control Protocol. The DIR-655 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 DIR-655. 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 : 192.168.0.100 to 192.168.0.199

DHCP Lease Time : 1440 (minutes)

Always broadcast : ☒ (compatibility for some DHCP Clients)

ADD DHCP RESERVATION

Enable : ☒

Computer Name : << Computer Name

IP Address : 0.0.0.0

MAC Address : 00:00:00:00:00:00

Copy Your PC's MAC Address

Save Clear

DHCP RESERVATIONS LIST

Enable	Computer Name	MAC Address	IP Address

NUMBER OF DYNAMIC DHCP CLIENTS : 1

Computer Name	IP Address	MAC Address	Expire Time		
prescott	192.168.0.156	00:11:09:2a:94:11	23 Hours 18 Minutes	Revoke	Reserve

DHCP Reservation

If you want a computer or device to always have the same IP address assigned, you can create a DHCP reservation. The router will assign the IP address only to that computer or device.

Note: This IP address must be within the DHCP IP Address Range.

Enable: Check this box to enable the reservation.

Computer Name: Enter the computer name or select from the drop-down menu and click <<.

IP Address: Enter the IP address you want to assign to the computer or device. This IP Address must be within the DHCP IP Address Range.

MAC Address: Enter the MAC address of the computer or device.

Copy Your PC's MAC Address: If you want to assign an IP address to the computer you are currently on, click this button to populate the fields.

Save: Click **Save** to save your entry. You must click **Save Settings** at the top to activate your reservations.

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 : 1

Computer Name	IP Address	MAC Address	Expire Time		
prescott	192.168.0.156	00:11:09:2a:94:11	23 Hours 18 Minutes	Revoke	Reserve

Virtual Server

The DIR-655 can be configured as a virtual server so that remote users accessing Web or FTP services via the public IP address can be automatically redirected to local servers in the LAN (Local Area Network).

The DIR-655 firewall feature filters out unrecognized packets to protect your LAN network so all computers networked with the DIR-655 are invisible to the outside world. If you wish, you can make some of the LAN computers accessible from the Internet by enabling Virtual Server. Depending on the requested service, the DIR-655 redirects the external service request to the appropriate server within the LAN network.

The DIR-655 is also capable of port-redirection meaning incoming traffic to a particular port may be redirected to a different port on the server computer.

Each virtual service that is created will be listed at the bottom of the screen in the Virtual Servers List. There are pre-defined virtual services already in the table. You may use them by enabling them and assigning the server IP to use that particular virtual service.

For a list of ports for common applications, please visit http://support.dlink.com/faq/view.asp?prod_id=1191.

This will allow you to open a single port. If you would like to open a range of ports, refer to page 33.

Name: Enter a name for the rule or select an application from the drop-down menu. Select an application and click << to populate the fields.

IP Address: Enter the IP address of the computer on your local network that you want to allow the incoming service to. If your computer is receiving an IP address automatically from the router (DHCP), your computer will be listed in the “Computer Name” drop-down menu. Select your computer and click <<.

Private Port/ Public Port: Enter the port that you want to open next to Private Port and Public Port. The private and public ports are usually the same. The public port is the port seen from the Internet side, and the private port is the port being used by the application on the computer within your local network.

Protocol Type: Select **TCP**, **UDP**, or **Both** from the drop-down menu.

Inbound Filter: Select **Allow All** (most common) or a created Inbound filter. You may create your own inbound filters in the **Advanced > Inbound Filter** page.

Schedule: The schedule of time when the Virtual Server Rule will be enabled. The schedule may be set to Always, which will allow the particular service to always be enabled. You can create your own times in the **Tools > Schedules** section.

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DIR-655

SETUP ADVANCED TOOLS STATUS SUPPORT

VIRTUAL SERVER

The Virtual Server option allows you to define a single public port on your router for redirection to an internal LAN IP Address and Private LAN port if required. This feature is useful for hosting online services such as FTP or Web Servers.

Save Settings Don't Save Settings

24 -- VIRTUAL SERVERS LIST

	Name	IP Address	Port	Traffic Type	Schedule
<input type="checkbox"/>	<< Application Name	0.0.0.0	Public 0	Both	Always
<input type="checkbox"/>	<< Computer Name	0.0.0.0	Private 0	Protocol 0	Inbound Filter Allow All
<input type="checkbox"/>	<< Application Name	0.0.0.0	Public 0	Both	Always
<input type="checkbox"/>	<< Computer Name	0.0.0.0	Private 0	Protocol 0	Inbound Filter Allow All
<input type="checkbox"/>	<< Application Name	0.0.0.0	Public 0	Both	Always
<input type="checkbox"/>	<< Computer Name	0.0.0.0	Private 0	Protocol 0	Inbound Filter Allow All
<input type="checkbox"/>	<< Application Name	0.0.0.0	Public 0	Both	Always
<input type="checkbox"/>	<< Computer Name	0.0.0.0	Private 0	Protocol 0	Inbound Filter Allow All
<input type="checkbox"/>	<< Application Name	0.0.0.0	Public 0	Both	Always
<input type="checkbox"/>	<< Computer Name	0.0.0.0	Private 0	Protocol 0	Inbound Filter Allow All

Helpful Hints...

Check the **Application Name** drop down menu for a list of predefined server types. If you select one of the predefined server types, click the arrow button next to the drop down menu to fill out the corresponding field.

You can select a computer from the list of DHCP clients in the **Computer Name** drop down menu, or you can manually enter the IP address of the computer at which you would like to open the specified port.

Select a schedule for when the virtual server will be enabled. If you do not see the schedule you need in the list of schedules, go to the **Tools > Schedules** screen and create a new schedule.

Select a filter that restricts the Internet hosts that can access this virtual server to hosts that you trust. If you do not see the filter you need in the list of filters, go to the **Advanced > Inbound Filter** screen and create a new filter.

More...

Port Forwarding

This will allow you to open a single port or a range of ports.

Name: Enter a name for the rule or select an application from the drop-down menu. Select an application and click << to populate the fields.

IP Address: Enter the IP address of the computer on your local network that you want to allow the incoming service to. If your computer is receiving an IP address automatically from the router (DHCP), your computer will be listed in the “Computer Name” drop-down menu. Select your computer and click <<.

TCP/UDP: Enter the TCP and/or UDP port or ports that you want to open. You can enter a single port or a range of ports. Separate ports with a common.

Example: 24,1009,3000-4000

Inbound Filter: Select **Allow All** (most common) or a created Inbound filter. You may create your own inbound filters in the **Advanced > Inbound Filter** page.

Schedule: The schedule of time when the Virtual Server Rule will be enabled. The schedule may be set to Always, which will allow the particular service to always be enabled. You can create your own times in the **Tools > Schedules** section.

D-Link

DIR-655

SETUP ADVANCED TOOLS STATUS SUPPORT

PORT FORWARDING

This option is used to open multiple ports or a range of ports in your router and redirect data through those ports to a single PC on your network. This feature allows you to enter ports in various formats including, Port Ranges (100-150), Individual Ports (80, 68, 888), or Mixed (1020-5000, 689).

Save Settings Don't Save Settings

24 -- PORT FORWARDING RULES

Name	IP Address	Application Name	Computer Name	Ports to Open	Schedule
<input type="text"/>	<input type="text"/>	<< Application Name	<< Computer Name	TCP	Schedule Always
<input type="checkbox"/>	0.0.0.0	<< Application Name	<< Computer Name	UDP	Inbound Filter Allow All
<input type="text"/>	<input type="text"/>	<< Application Name	<< Computer Name	TCP	Schedule Always
<input type="checkbox"/>	0.0.0.0	<< Application Name	<< Computer Name	UDP	Inbound Filter Allow All
<input type="text"/>	<input type="text"/>	<< Application Name	<< Computer Name	TCP	Schedule Always
<input type="checkbox"/>	0.0.0.0	<< Application Name	<< Computer Name	UDP	Inbound Filter Allow All
<input type="text"/>	<input type="text"/>	<< Application Name	<< Computer Name	TCP	Schedule Always
<input type="checkbox"/>	0.0.0.0	<< Application Name	<< Computer Name	UDP	Inbound Filter Allow All

Helpful Hints...

Check the **Application Name** drop down menu for a list of predefined applications. If you select one of the predefined applications, click the arrow button next to the drop down menu to fill out the corresponding field.

You can select a computer from the list of DHCP clients in the **Computer Name** drop down menu, or you can manually enter the IP address of the LAN computer to which you would like to open the specified port.

Select a schedule for when the rule will be enabled. If you do not see the schedule you need in the list of schedules, go to the **Tools > Schedules** screen and create a new schedule.

You can enter ports in various formats:

- Range (50-100)
- Individual (80, 68, 888)
- Mixed (1020-5000, 689)

More...

Application Rules

Some applications require multiple connections, such as Internet gaming, video conferencing, Internet telephony and others. These applications have difficulties working through NAT (Network Address Translation). Special Applications makes some of these applications work with the DIR-655. If you need to run applications that require multiple connections, specify the port normally associated with an application in the “Trigger Port” field, select the protocol type as TCP or UDP, then enter the firewall (public) ports associated with the trigger port to open them for inbound traffic.

The DIR-655 provides some predefined applications in the table on the bottom of the web page. Select the application you want to use and enable it.

Name: Enter a name for the rule. You may select a pre-defined application from the drop-down menu and click <<.

Trigger: This is the port used to trigger the application. It can be either a single port or a range of ports.

Traffic Type: Select the protocol of the trigger port (TCP, UDP, or Both).

Firewall: This is the port number on the Internet side that will be used to access the application. You may define a single port or a range of ports. You can use a comma to add multiple ports or port ranges.

Traffic Type: Select the protocol of the firewall port (TCP, UDP, or Both).

Schedule: The schedule of time when the Application Rule will be enabled. The schedule may be set to Always, which will allow the particular service to always be enabled. You can create your own times in the **Tools > Schedules** section.

D-Link

DIR-655 // SETUP ADVANCED TOOLS STATUS SUPPORT

APPLICATION RULES

This option is used to open single or multiple ports on your router when the router senses data sent to the Internet on a "trigger" port or port range. Special Applications rules apply to all computers on your internal network.

Save Settings Don't Save Settings

24 -- APPLICATION RULES

	Name	Application	Trigger	Traffic Type	Schedule
<input type="checkbox"/>	<input type="text"/>	<< Application Name	<input type="text"/>	TCP	Always
<input type="checkbox"/>	<input type="text"/>	<< Application Name	<input type="text"/>	TCP	Always
<input type="checkbox"/>	<input type="text"/>	<< Application Name	<input type="text"/>	TCP	Always
<input type="checkbox"/>	<input type="text"/>	<< Application Name	<input type="text"/>	TCP	Always
<input type="checkbox"/>	<input type="text"/>	<< Application Name	<input type="text"/>	TCP	Always

Helpful Hints...

Use this feature if you are trying to execute one of the listed network applications and it is not communicating as expected.

Check the **Application Name** drop down menu for a list of predefined applications. If you select one of the predefined applications, click the arrow button next to the drop down menu to fill out the corresponding field.

Select a schedule for when the service will be enabled. If you do not see the schedule you need in the list of schedules, go to the **Tools → Schedules** screen and create a new schedule.

[More...](#)

QoS Engine

The QoS Engine option helps improve your network gaming performance by prioritizing applications. By default the QoS Engine settings are disabled and application priority is not classified automatically.

Enable StreamEngine: This option is disabled by default. Enable this option for better performance and experience with online games and other interactive applications, such as VoIP.

Dynamic Fragmentation: This option should be enabled when you have a slow Internet uplink. It helps to reduce the impact that large low priority network packets can have on more urgent ones.

Automatic Uplink Speed: This option is enabled by default when the QoS Engine option is enabled. This option will allow your router to automatically determine the uplink speed of your Internet connection.

Measured Uplink Speed: This displays the detected uplink speed.

Manual Uplink Speed: The speed at which data can be transferred from the router to your ISP. This is determined by your ISP. ISP's often speed as a download/upload pair. For example, 1.5Mbps/284Kbits. Using this example, you would enter 284. Alternatively you can test your uplink speed with a service such as www.dslreports.com.

Connection Type: By default, the router automatically determines whether the underlying connection is an xDSL/Frame-relay network or some other connection type (such as cable modem or Ethernet), and it displays the result as Detected xDSL or Frame Relay Network. If you have an unusual network connection in which you are actually connected via xDSL but for which you configure either "Static" or "DHCP" in the Internet settings, setting this option to xDSL or Other Frame Relay Network ensures that the router will recognize that it needs to shape traffic slightly differently in order to give the best performance. Choosing xDSL or Other Frame Relay Network causes the measured uplink speed to be reported slightly lower than before on such connections, but gives much better results.

Detected xDSL: When Connection Type is set to automatic, the automatically detected connection type is displayed here.

The screenshot shows the D-Link DIR-655 router's web interface. The top navigation bar includes tabs for SETUP, ADVANCED, TOOLS, STATUS, and SUPPORT. The left sidebar lists various configuration options, with QoS ENGINE selected. The main content area is titled 'QoS ENGINE' and contains the following settings:

- Enable StreamEngine:** Checked (indicated by a green checkmark).
- Dynamic Fragmentation:** Checked (indicated by a green checkmark).
- Automatic Uplink Speed:** Checked (indicated by a green checkmark).
- Measured Uplink Speed:** 1126 kbps.
- Manual Uplink Speed:** 126 kbps (with a dropdown menu for 'Select Transmission Rate').
- Connection Type:** Auto-detect (with a dropdown menu).
- Detected xDSL Or Other Frame Relay Network:** No.

Buttons for 'Save Settings' and 'Don't Save Settings' are located below the QoS ENGINE section. A 'WIRELESS' section is visible at the bottom of the page.

Network Filters

Use MAC (Media Access Control) Filters to allow or deny LAN (Local Area Network) computers by their MAC addresses from accessing the Network. You can either manually add a MAC address or select the MAC address from the list of clients that are currently connected to the Broadband Router.

Configure MAC Filtering: Select Turn MAC Filtering Off, allow MAC addresses listed below, or deny MAC addresses listed below 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.

DHCP Client: Select a DHCP client from the drop-down menu and click << to copy that MAC Address.

The screenshot shows the D-Link DIR-655 web interface. The top navigation bar includes the D-Link logo and tabs for SETUP, ADVANCED, TOOLS, STATUS, and SUPPORT. The left sidebar lists various configuration options: VIRTUAL SERVER, PORT FORWARDING, APPLICATION RULES, QOS ENGINE, NETWORK FILTER (selected), ACCESS CONTROL, WEBSITE FILTER, INBOUND FILTER, FIREWALL SETTINGS, ADVANCED WIRELESS, WISH, and ADVANCED NETWORK. The main content area is titled 'MAC ADDRESS FILTER' and contains the following elements:

- A description: 'The MAC (Media Access Controller) Address filter option is used to control network access based on the MAC Address of the network adapter. A MAC address is a unique ID assigned by the manufacturer of the network adapter. This feature can be configured to ALLOW or DENY network/Internet access.'
- Two buttons: 'Save Settings' and 'Don't Save Settings'.
- A section titled '24 -- MAC FILTERING RULES' with a sub-header 'Configure MAC Filtering below:'. A dropdown menu is set to 'Turn MAC Filtering OFF'.
- A table with two columns: 'MAC Address' and 'DHCP Client List'. The table contains five rows, each with an empty input field for the MAC address, a '<<' button, a dropdown menu for the DHCP client (all set to 'Computer Name'), and a 'Clear' button.

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

Create a list of MAC addresses that you would either like to allow or deny access to your network.

Computers that have obtained an IP address from the router's DHCP server will be in the DHCP Client List. Select a device from the drop down menu, then click the arrow to add that device's MAC address to the list.

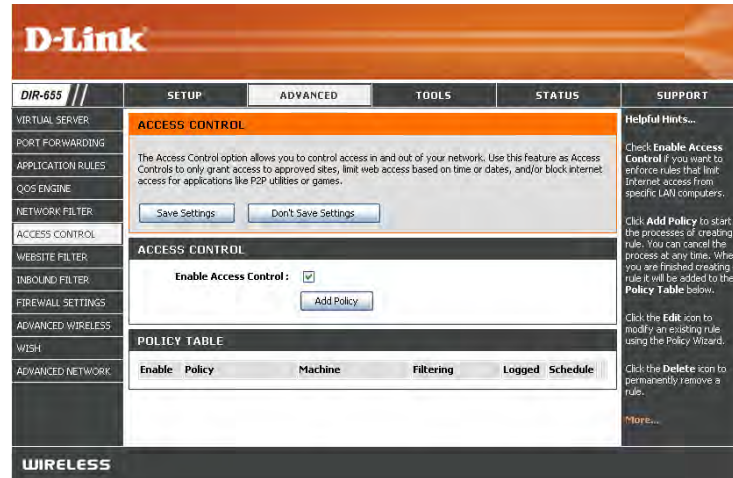
Click the **Clear** button to remove the MAC address from the MAC Filtering list.

More...

Access Control

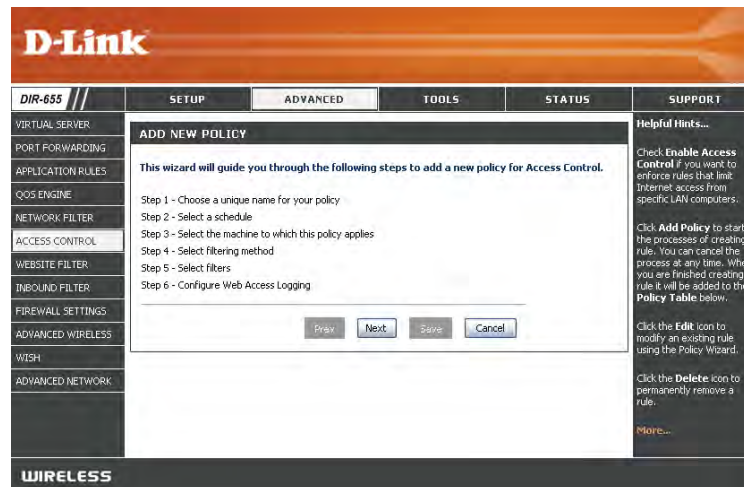
The Access Control section allows you to control access in and out of your network. Use this feature as Parental Controls to only grant access to approved sites, limit web access based on time or dates, and/or block access from applications like P2P utilities or games.

Add Policy: Click the **Add Policy** button to start the Access Control Wizard.



Access Control Wizard

Click **Next** to continue with the wizard.



Access Control Wizard (continued)

Enter a name for the policy and then click **Next** to continue.

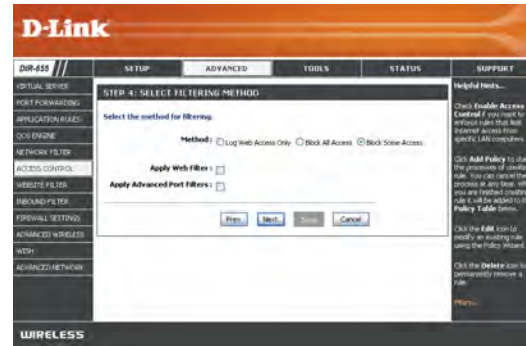
Select a schedule (I.E. Always) from the drop-down menu and then click **Next** to continue.

Enter the following information and then click **Next** to continue.

- Address Type - Select IP address, MAC address, or Other Machines.
- IP Address - Enter the IP address of the computer you want to apply the rule to.

Access Control Wizard (continued)

Select the filtering method and then click **Next** to continue.



Enter the rule:

Enable - Check to enable the rule.

Name - Enter a name for your rule.

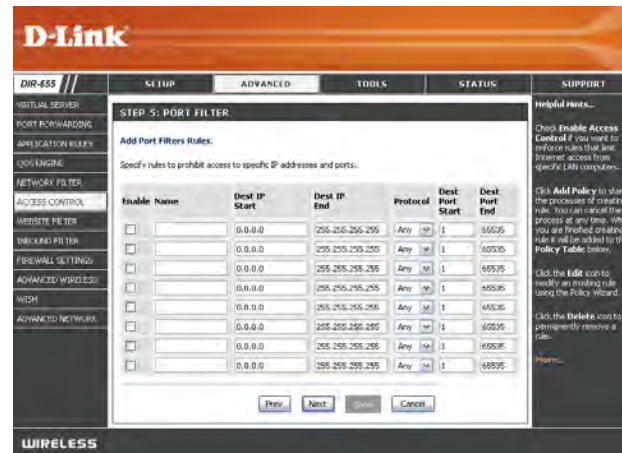
Dest IP Start - Enter the starting IP address.

Dest IP End - Enter the ending IP address.

Protocol - Select the protocol.

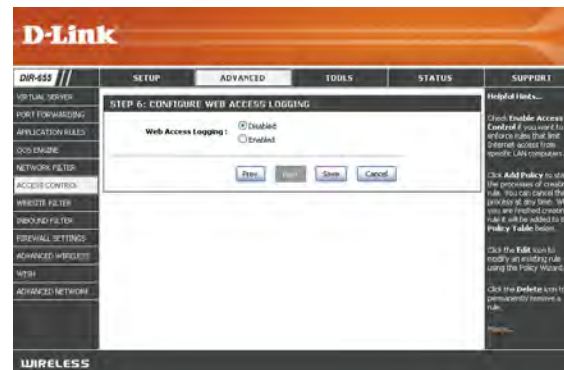
Dest Port Start - Enter the starting port number.

Dest Port End - Enter the ending port number.



To enable web logging, click Enable.

Click **Save** to save the access control rule.



Website Filters

Website Filters are used to deny LAN computers from accessing specific web sites by the URL or domain. A URL is a specially formatted text string that defines a location on the Internet. If any part of the URL contains the blocked word, the site will not be accessible and the web page will not display. To use this feature, enter the text string to be blocked and click **Save Settings**. The text to be blocked will appear in the list. To delete the text, click **Clear the List Below**.

Website URL/ Enter the keywords or URLs that you want to
Domain: block (or allow). Any URL with the keyword in it
 will be blocked.

The screenshot shows the D-Link DIR-655 Advanced Setup page. The left sidebar contains a list of configuration options: VIRTUAL SERVER, PORT FORWARDING, APPLICATION RULES, QOS ENGINE, NETWORK FILTER, ACCESS CONTROL, WEBSITE FILTER (highlighted), INBOUND FILTER, FIREWALL SETTINGS, ADVANCED WIRELESS, WISH, and ADVANCED NETWORK. The main content area is titled 'WEBSITE FILTER' and includes a description: 'The Web Filter option allows you to set up a list of allowed Web sites that can be used by multiple users. When Web Filter is enabled, all Web sites not listed on this page will be blocked. To use this feature, you must also select the "Apply Web Filter" checkbox in the Access Control section.' Below the description are two buttons: 'Save Settings' and 'Don't Save Settings'. Underneath is a section titled '40 -- WEBSITE FILTERING RULES' with a 'Clear the list below...' button. A table with two columns, 'Website URL/Domain', is shown with five empty rows for input. On the right side of the page, there is a 'Helpful Hints...' section with text about creating a list of web sites and a 'More...' link.

Inbound Filters

The Inbound Filter option is an advanced method of controlling data received from the Internet. With this feature you can configure inbound data filtering rules that control data based on an IP address range. Inbound Filters can be used with Virtual Server, Port Forwarding, or Remote Administration features.

Name: Enter a name for the inbound filter rule.

Action: Select **Allow** or **Deny**.

Enable: Check to enable rule.

Source IP Start: Enter the starting IP address. Enter 0.0.0.0 if you do not want to specify an IP range.

Source IP End: Enter the ending IP address. Enter 255.255.255.255 if you do not want to specify and IP range.

Save: Click the **Save** button to apply your settings. You must click Save Settings at the top to save the settings.

Inbound Filter Rules List: This section will list any rules that are created. You may click the **Edit** icon to change the settings or enable/disable the rule, or click the **Delete** icon to remove the rule.

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SETUP ADVANCED TOOLS STATUS SUPPORT

INBOUND FILTER

Inbound Filter Rules

The Inbound Filter option is an advanced method of controlling data received from the Internet. With this feature you can configure inbound data filtering rules that control data based on an IP address range.

Inbound Filters can be used for limiting access to a server on your network to a system or group of systems. Filter rules can be used with Virtual Server, Port Forwarding, or Remote Administration features.

Save Settings Don't Save Settings

ADD INBOUND FILTER RULE

Name:

Action: Deny

Source IP Range	Enable	Source IP Start	Source IP End
<input type="checkbox"/>	<input type="checkbox"/>	0.0.0.0	255.255.255.255
<input type="checkbox"/>	<input type="checkbox"/>	0.0.0.0	255.255.255.255
<input type="checkbox"/>	<input type="checkbox"/>	0.0.0.0	255.255.255.255
<input type="checkbox"/>	<input type="checkbox"/>	0.0.0.0	255.255.255.255
<input type="checkbox"/>	<input type="checkbox"/>	0.0.0.0	255.255.255.255
<input type="checkbox"/>	<input type="checkbox"/>	0.0.0.0	255.255.255.255
<input type="checkbox"/>	<input type="checkbox"/>	0.0.0.0	255.255.255.255
<input type="checkbox"/>	<input type="checkbox"/>	0.0.0.0	255.255.255.255

Save Clear

INBOUND FILTER RULES LIST

Name	Action	Source IP Range
------	--------	-----------------

WIRELESS

Helpful Hints...

Give each rule a **Name** that is meaningful to you.

Each rule can either **Allow** or **Deny** access from the WAN.

Up to eight ranges of WAN IP addresses can be controlled by each rule. The checkbox by each IP range can be used to disable ranges already defined.

The starting and ending IP addresses are WAN-side address.

Click the **Save** button to store a finished rule in the Rules List below.

Click the **Edit** icon in the Rules List to change a rule.

Click the **Delete** icon in the Rules List to permanently remove a rule.

More...

Firewall Settings

A firewall protects your network from the outside world. The D-Link DIR-655 offers a firewall type functionality. The SPI feature helps prevent cyber attacks. Sometimes you may want a computer exposed to the outside world for certain types of applications. If you choose to expose a computer, you can enable DMZ. DMZ is short for Demilitarized Zone. This option will expose the chosen computer completely to the outside world.

Enable SPI: SPI (Stateful Packet Inspection, also known as dynamic packet filtering) helps to prevent cyber attacks by tracking more state per session. It validates that the traffic passing through the session conforms to the protocol.

NAT Endpoint Filtering: Select one of the following for TCP and UDP ports:
Endpoint Independent - Any incoming traffic sent to an open port will be forwarded to the application that opened the port. The port will close if idle for 5 minutes.

Address Restricted - Incoming traffic must match the IP address of the outgoing connection.

Address + Port Restriction - Incoming traffic must match the IP address and port of the outgoing connection.

Enable DMZ Host: If an application has trouble working from behind the router, you can expose one computer to the Internet and run the application on that computer.

Note: Placing a computer in the DMZ may expose that computer to a variety of security risks. Use of this option is only recommended as a last resort.

IP Address: Specify the IP address of the computer on the LAN that you want to have unrestricted Internet communication. If this computer obtains its IP address automatically using DHCP, be sure to make a static reservation on the Basic > DHCP page so that the IP address of the DMZ machine does not change.

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SETUP ADVANCED TOOLS STATUS SUPPORT

FIREWALL SETTINGS

The Firewall Settings allows you to set a single computer on your network outside of the router.

Save Settings Don't Save Settings

FIREWALL SETTINGS

Enable SPI: ☒

NAT ENDPOINT FILTERING

UDP Endpoint Filtering: ☐ Endpoint Independent ☒ Address Restricted ☐ Port And Address Restricted

TCP Endpoint Filtering: ☐ Endpoint Independent ☐ Address Restricted ☒ Port And Address Restricted

DMZ HOST

The DMZ (Demilitarized Zone) option lets you set a single computer on your network outside of the router. If you have a computer that cannot run Internet applications successfully from behind the router, then you can place the computer into the DMZ for unrestricted Internet access.

Notes: Putting a computer in the DMZ may expose that computer to a variety of security risks. Use of this option is only recommended as a last resort.

Enable DMZ: ☐

DMZ IP Address: 0.0.0.0 Computer Name

NON-UDP/TCP/ICMP LAN SESSIONS

Enable: ☒

APPLICATION LEVEL GATEWAY (ALG) CONFIGURATION

PPTP: ☒

IPsec (VPN): ☒

RTSP: ☒

Windows/MSN Messenger: ☒ (automatically disabled if UPnP is enabled)

FTP: ☒

H.323 (NetMeeting): ☒

SIP: ☒

Wake-On-LAN: ☒

MMS: ☒

WIRELESS

Helpful Hints...

Enable the DMZ option only as a last resort. If you are having trouble using an application from a computer behind the router, first try opening ports associated with the application in the Virtual Server or Port Forwarding sections.

Non-UDP/TCP/ICMP LAN Sessions is normally enabled. It facilitates single VPN connections to a remote host.

ALGs provide special handling of the IP payload for some protocols and applications to make them work with network address translation (NAT). If you are having trouble using any of these applications, try both enabling and disabling the corresponding ALG.

More...

Application Level Gateway (ALG) Configuration

Here you can enable or disable ALG's. Some protocols and applications require special handling of the IP payload to make them work with network address translation (NAT). Each ALG provides special handling for a specific protocol or application. A number of ALGs for common applications are enabled by default.

PPTP: Allows multiple machines on the LAN to connect to their corporate network using PPTP protocol.

IPSEC (VPN): Allows multiple VPN clients to connect to their corporate network using IPsec. Some VPN clients support traversal of IPsec through NAT. This ALG may interfere with the operation of such VPN clients. If you are having trouble connecting with your corporate network, try turning this ALG off. Please check with the system administrator of your corporate network whether your VPN client supports NAT traversal.

RTSP: Allows applications that use Real Time Streaming Protocol to receive streaming media from the internet. QuickTime and Real Player are some of the common applications using this protocol.

MSN Messenger: Allows all of the Windows/MSN Messenger functions to work properly through the router.

FTP: Allows FTP clients and servers to transfer data across NAT. Refer to the Advanced > Virtual Server page if you want to host an FTP server.

H.323 (Netmeeting): Allows Microsoft NetMeeting clients to communicate across NAT. Note that if you want your buddies to call you, you should also set up a virtual server for NetMeeting. Refer to the Advanced > Virtual Server page for information on how to set up a virtual server.

SIP: Allows devices and applications using VoIP (Voice over IP) to communicate across NAT. Some VoIP applications and devices have the ability to discover NAT devices and work around them. This ALG may interfere with the operation of such devices. If you are having trouble making VoIP calls, try turning this ALG off.

Wake-On-LAN: Allows Ethernet network adapters with Wake-On-LAN (WOL) to function.

MMS: Allows Windows Media Player, using MMS protocol, to receive streaming media from the Internet.

Advanced Wireless Settings

Transmit Power: Set the transmit power of the antennas.

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.

RTS Threshold: This value should remain at its default setting of 2432. 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.

DTIM Interval: (Delivery Traffic Indication Message) 3 is the default setting. A DTIM is a countdown informing clients of the next window for listening to broadcast and multicast messages.

802.11d: This enables 802.11d operation. 802.11d is a wireless specification developed to allow implementation of wireless networks in countries that cannot use the 802.11 standard. This feature should only be enabled if you are in a country that requires it.

Note : Transmit power is regulated by international standards and users are forbidden to change its maximum limit. Regarding the frequency of 802.11d, every country limits the frequency range used within its territory. Consumers are only allowed to purchase products that operates with the country regulated frequency.

WMM Function: 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.

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DIR-655 // SETUP ADVANCED TOOLS STATUS SUPPORT

ADVANCED WIRELESS

If you are not familiar with these Advanced Wireless settings, please read the help section before attempting to modify these settings.

Save Settings Don't Save Settings

ADVANCED WIRELESS SETTINGS

Transmit Power: High

Beacon Period: 100 (20..1000)

RTS Threshold: 2346 (1..65535)

Fragmentation Threshold: 2346 (256..65535)

DTIM Interval: 1 (1..255)

802.11d Enable: ☐

WMM Enable: ☒

Short GI: ☒

WIRELESS

Helpful Hints...

It is recommended that you leave these parameters at their default values. Adjusting them could limit the performance of your wireless network.

Use **802.11d** only for countries where it is required.

Enabling **WMM** can help control latency and jitter when transmitting multimedia content over a wireless connection.

[More...](#)

WISH Settings

WISH is short for Wireless Intelligent Stream Handling, a technology developed to enhance your experience of using a wireless network by prioritizing the traffic of different applications.

Enable WISH: Enable this option if you want to allow WISH to prioritize your traffic.

HTTP: Allows the router to recognize HTTP transfers for many common audio and video streams and prioritize them above other traffic. Such streams are frequently used by digital media players.

Windows Media Center: Enables the router to recognize certain audio and video streams generated by a Windows Media Center PC and to prioritize these above other traffic. Such streams are used by systems known as Windows Media Extenders, such as the Xbox 360.

Automatic: When enabled, this option causes the router to automatically attempt to prioritize traffic streams that it doesn't otherwise recognize, based on the behaviour that the streams exhibit. This acts to deprioritize streams that exhibit bulk transfer characteristics, such as file transfers, while leaving interactive traffic, such as gaming or VoIP, running at a normal priority.

WISH Rules: A WISH Rule identifies a specific message flow and assigns a priority to that flow. For most applications, the priority classifiers ensure the right priorities and specific WISH Rules are not required.

WISH supports overlaps between rules. If more than one rule matches for a specific message flow, the rule with the highest priority will be used.

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DIR-655 // SETUP ADVANCED TOOLS STATUS SUPPORT

WISH

WISH (Wireless Intelligent Stream Handling) prioritizes the traffic of various wireless applications.

Save Settings Don't Save Settings

WISH

Enable WISH : ☒

PRIORITY CLASSIFIERS

HTTP : ☒
 Windows Media Center : ☒
 Automatic : ☒ (default if not matched by anything else)

24 -- WISH RULES

Name	Priority	Protocol
Host 1 IP Range	Best Effort (BE)	TCP
Host 1 Port Range		
Host 2 IP Range		
Host 2 Port Range		

Name: Create a name for the rule that is meaningful to you.

Priority: The priority of the message flow is entered here. The four priorities are defined as:

BK: Background (least urgent)

BE: Best Effort.

VI: Video

VO: Voice (most urgent)

Protocol: The protocol used by the messages.

Host IP Range: The rule applies to a flow of messages for which one computer's IP address falls within the range set here.

Host Port Range: The rule applies to a flow of messages for which host's port number is within the range set here.

24 -- WISH RULES						
<input type="checkbox"/>	Name		Priority		Protocol	
	<input type="text"/>		Best Effort (BE) ▼		6 << TCP ▼	
	Host 1 IP Range				Host 1 Port Range	
	<input type="text"/> 0.0.0.0 to <input type="text"/> 255.255.255.255				<input type="text"/> 0 to <input type="text"/> 65535	
	Host 2 IP Range				Host 2 Port Range	
	<input type="text"/> 0.0.0.0 to <input type="text"/> 255.255.255.255				<input type="text"/> 0 to <input type="text"/> 65535	

Advanced Network Settings

UPnP Settings: To use the Universal Plug and Play (UPnP™) feature click on **Enabled**. UPnP provides compatibility with networking equipment, software and peripherals.

Internet Ping: Unchecking the box will not allow the DIR-655 to respond to pings. Blocking the Ping may provide some extra security from hackers. Check the box to allow the Internet port to be “pinged”.

Internet Port Speed: You may set the port speed of the Internet port to 10Mbps, 100Mbps, or auto. Some older cable or DSL modems may require you to set the port speed to 10Mbps.

Multicast streams: Check the box to allow multicast traffic to pass through the router from the Internet.

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DIR-655 // SETUP ADVANCED TOOLS STATUS SUPPORT

ADVANCED NETWORK

If you are not familiar with these Advanced Network settings, please read the help section before attempting to modify these settings.

Save Settings Don't Save Settings

UPNP

Universal Plug and Play (UPnP) supports peer-to-peer Plug and Play functionality for network devices.

Enable UPnP: ☒

WAN PING

If you enable this feature, the WAN port of your router will respond to ping requests from the Internet that are sent to the WAN IP Address.

Enable WAN Ping Respond: ☒

WAN Ping Inbound Filter:

Details: Everyone allowed

WAN PORT SPEED

WAN Port Speed:

MULTICAST STREAMS

Enable Multicast Streams: ☒

WIRELESS

Helpful Hints...

UPnP helps other UPnP LAN hosts interoperate with the router. Leave the UPnP option enabled as long as the LAN has other UPnP applications.

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.

The WAN speed is usually detected automatically. If you are having problems connecting to the WAN, try selecting the speed manually.

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

More...

Administrator Settings

This page will allow you to change the Administrator and User passwords. You can also enable Remote Management. There are two accounts that can access the management interface through the web browser. The accounts are admin and user. Admin has read/write access while user has read-only access. User can only view the settings but cannot make any changes. Only the admin account has the ability to change both admin and user account passwords.

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

User Password: Enter the new password for the User login. If you login as the User, you can only see the settings, but cannot change them.

Gateway Name: Enter a name for the DIR-655 router.

Remote Management: Remote management allows the DIR-655 to be configured from the Internet by a web browser. A username and password is still required to access the Web-Management interface. In general, only a member of your network can browse the built-in web pages to perform Administrator tasks. This feature enables you to perform Administrator tasks from the remote (Internet) host.

Remote Admin Port: The port number used to access the DIR-655. Example: http://x.x.x.x:8080 whereas x.x.x.x is the Internet IP address of the DIR-655 and 8080 is the port used for the Web Management interface.

Inbound Filter: This section will list any rules that are created. You may click the **Edit** icon to change the settings or enable/disable the rule, or click the **Delete** icon to remove the rule.

The screenshot shows the D-Link DIR-655 web management interface. The top navigation bar includes tabs for SETUP, ADVANCED, TOOLS, STATUS, and SUPPORT. The left sidebar lists various configuration sections: ADMIN, TIME, SYSLOG, EMAIL SETTINGS, SYSTEM, FIRMWARE, DYNAMIC DNS, SYSTEM CHECK, and SCHEDULES. The main content area is titled "ADMINISTRATOR SETTINGS" and contains the following sections:

- ADMINISTRATOR SETTINGS:** A message states that the 'admin' and 'user' accounts can access the management interface. The admin has read/write access and can change passwords, while the user has read-only access. It notes that by default there is no password configured and recommends creating one for security. There are "Save Settings" and "Don't Save Settings" buttons.
- ADMIN PASSWORD:** A section for setting the administrator password. It prompts the user to enter the same password in two boxes for confirmation.
- USER PASSWORD:** A section for setting the user password. It also prompts the user to enter the same password in two boxes for confirmation.
- SYSTEM NAME:** A field for the Gateway Name, currently set to "D-Link DIR-655".
- ADMINISTRATION:** A section for enabling Remote Management. It includes a checkbox for "Enable Remote Management", a "Remote Admin Port" field set to "8080", and a "Remote Admin Inbound Filter" dropdown set to "Allow All". A "Details" link is provided, showing "Everyone allowed".

On the right side of the interface, there is a "Helpful Hints..." section with additional security advice and a "More..." link.

Time Settings

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 Time Server. 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, select enabled or disabled, and 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.

Manual: To manually input the time, enter the values in these fields for the Year, Month, Day, Hour, Minute, and Second and then click **Set Time**. You can also click **Copy Your Computer's Time Settings**.

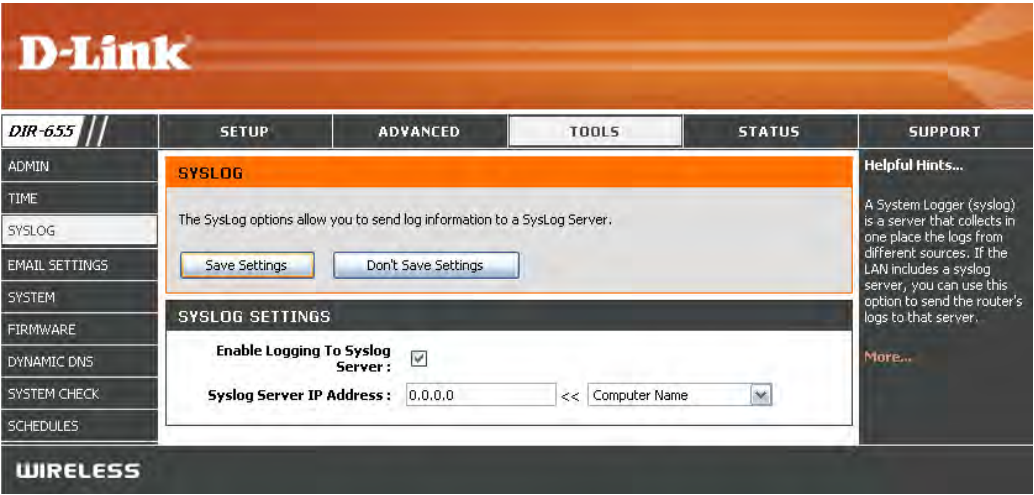
The screenshot shows the D-Link DIR-655 web interface. The top navigation bar includes 'D-Link', 'DIR-655', and tabs for 'SETUP', 'ADVANCED', 'TOOLS', 'STATUS', and 'SUPPORT'. The left sidebar lists various configuration sections: ADMIN, TIME (selected), SYSLOG, EMAIL SETTINGS, SYSTEM, FIRMWARE, DYNAMIC DNS, SYSTEM CHECK, and SCHEDULES. The main content area is titled 'TIME' and contains a 'Time Configuration' section with a descriptive paragraph and 'Save Settings' and 'Don't Save Settings' buttons. Below this is the 'TIME CONFIGURATION' section, which displays the 'Current Router Time' as Saturday, January 31, 2004 2:50:54 PM. The 'Time Zone' is set to '(GMT-08:00) Pacific Time (US/Canada), Tijuana'. The 'Enable Daylight Saving' checkbox is unchecked. The 'Daylight Saving Offset' is set to '+1:00'. The 'Daylight Saving Dates' section shows 'DST Start' on April 1st at 2 am and 'DST End' on October 5th at 2 am. Below this is the 'AUTOMATIC TIME CONFIGURATION' section, where 'Enable NTP Server' is unchecked and 'NTP Server Used' is set to '<< Select NTP Server'. The 'SET THE DATE AND TIME MANUALLY' section features a 'Date And Time' section with dropdown menus for Year (2004), Month (Jan), Day (31), Hour (2), Minute (50), Second (45), and PM. A 'Copy Your Computer's Time Settings' button is located at the bottom of this section. The footer of the interface displays 'WIRELESS'.

SysLog

The Broadband Router keeps a running log of events and activities occurring on the Router. You may send these logs to a SysLog server on your network.

Enable Logging to SysLog Server: Check this box to send the router logs to a SysLog Server.

SysLog Server IP Address: The address of the SysLog server that will be used to send the logs. You may also select your computer from the drop-down menu (only if receiving an IP address from the router via DHCP).



Email Settings

The Email feature can be used to send the system log files, router alert messages, and firmware update notification to your email address.

Enable Email Notification: When this option is enabled, router activity logs are e-mailed to a designated email address.

From Email Address: This email address will appear as the sender when you receive a log file or firmware upgrade notification via email.

To Email Address: Enter the email address where you want the email sent.

SMTP Server Address: Enter the SMTP server address for sending email. If your SMTP server requires authentication, select this option.

Enable Authentication: Check this box if your SMTP server requires authentication.

Account Name: Enter your account for sending email.

Password: Enter the password associated with the account. Re-type the password associated with the account.

On Log Full: When this option is selected, logs will be sent via email when the log is full.

On Schedule: Selecting this option will send the logs via email according to schedule.

Schedule: This option is enabled when On Schedule is selected. You can select a schedule from the list of defined schedules. To create a schedule, go to **Tools > Schedules**.

D-Link

DIR-655

SETUP ADVANCED TOOLS STATUS SUPPORT

ADMIN TIME SYSLOG **EMAIL SETTINGS** SYSTEM FIRMWARE DYNAMIC DNS SYSTEM CHECK SCHEDULES

EMAIL SETTINGS

Email Settings

The Email feature can be used to send the system log files, router alert messages, and firmware update notification to your email address.

Save Settings Don't Save Settings

ENABLE

Enable Email Notification: ☒

EMAIL SETTINGS

From Email Address:

To Email Address:

SMTP Server Address:

Enable Authentication: ☐

Account Name:

Password:

Verify Password:

EMAIL LOG WHEN FULL OR ON SCHEDULE

On Log Full: ☐

On Schedule: ☐

Schedule: Details:

WIRELESS

Helpful Hints...

You may want to make the email settings similar to those of your email client program.

[More...](#)