

D-Link WBR-2310: Elan Default Settings

Overview:

There are two routers that may have come with your Network Assembly. This document covers the newer WBR-2310 router. This router will have a sticker on the unit that indicates the model number. Visually it is a black and silver router as opposed to the earlier grey and teal DI-624.

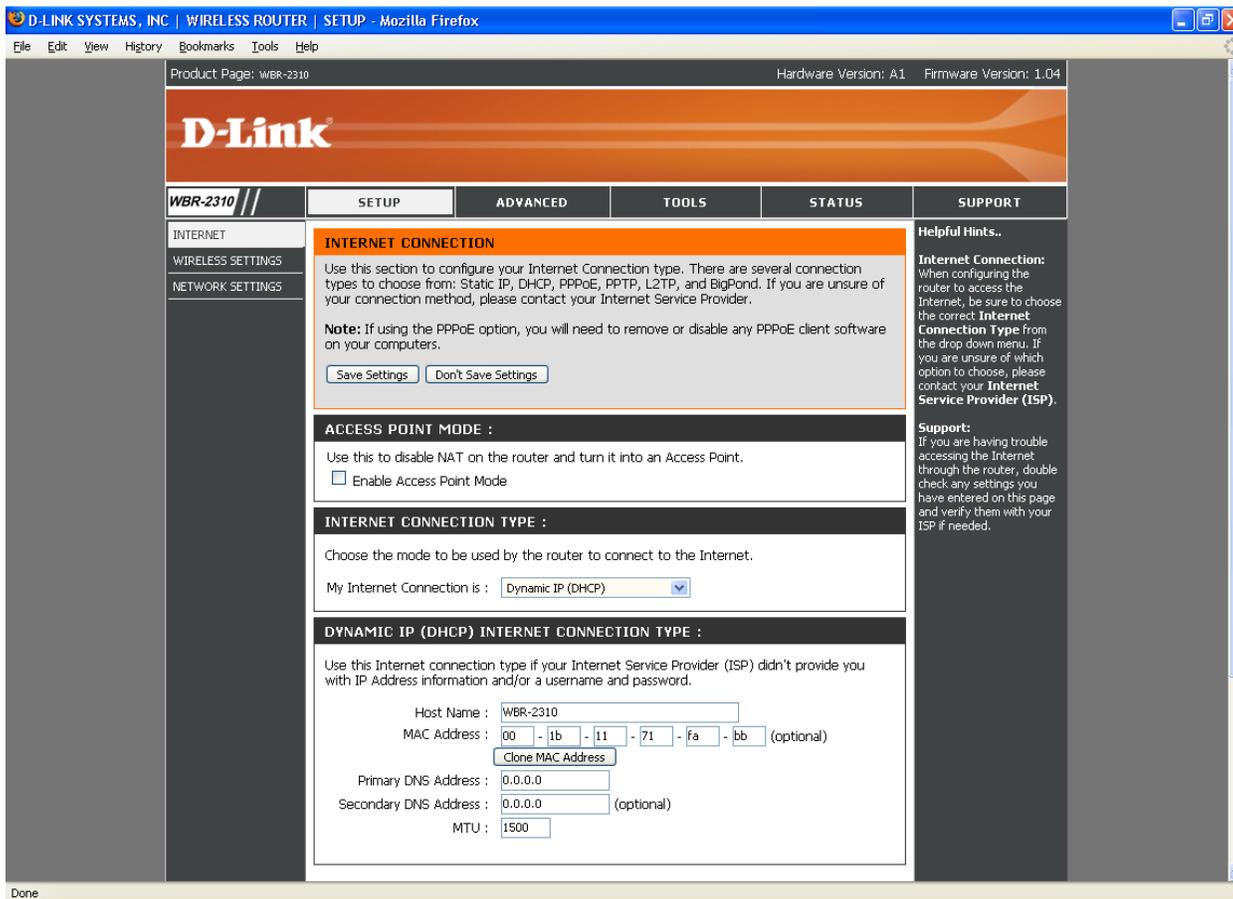
Required Tools:

1. Powered up and connected D-Link WBR-2310.
2. Computer hooked into network served by WBR-2310.

Router Login: Elan ships all D-Link routers with D-Link default login credentials. The IP is **192.168.0.1** and username is **admin**. There is no password needed to access the settings.

WAN Settings

The WAN (Wide Area Network) settings are used to connect to the Internet. Default routers settings below:



The default settings (Dynamic IP) will work for most **cable modem** installations. Note you may need to "Clone MAC Address" from your computer for the cable modem to allow the D-Link to see the internet.

If you are going to use a **DSL modem** or other type of Internet connection then you may need to change to PPPoE or to a static IP – See typical configuration below: consult your Internet Service Provider (ISP) for details.

Product Page: WBR-2310 Hardware Version: A1 Firmware Version: 1.04

D-Link

WBR-2310

SETUP ADVANCED TOOLS STATUS SUPPORT

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

ACCESS POINT MODE :

Use this to disable NAT on the router and turn it into an Access Point.

Enable Access Point Mode

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 :

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

Dynamic PPPoE Static PPPoE

User Name : username

Password : *****

Retype Password : *****

Service Name : (optional)

IP Address : 0.0.0.0

MAC Address : 00 - 1b - 11 - 71 - fa - bb (optional)

Clone MAC Address

Primary DNS Address : 0.0.0.0

Secondary DNS Address : 0.0.0.0 (optional)

Maximum Idle Time : 5 Minutes

MTU : 1492

Connect mode select : Always-on Manual Connect-on demand

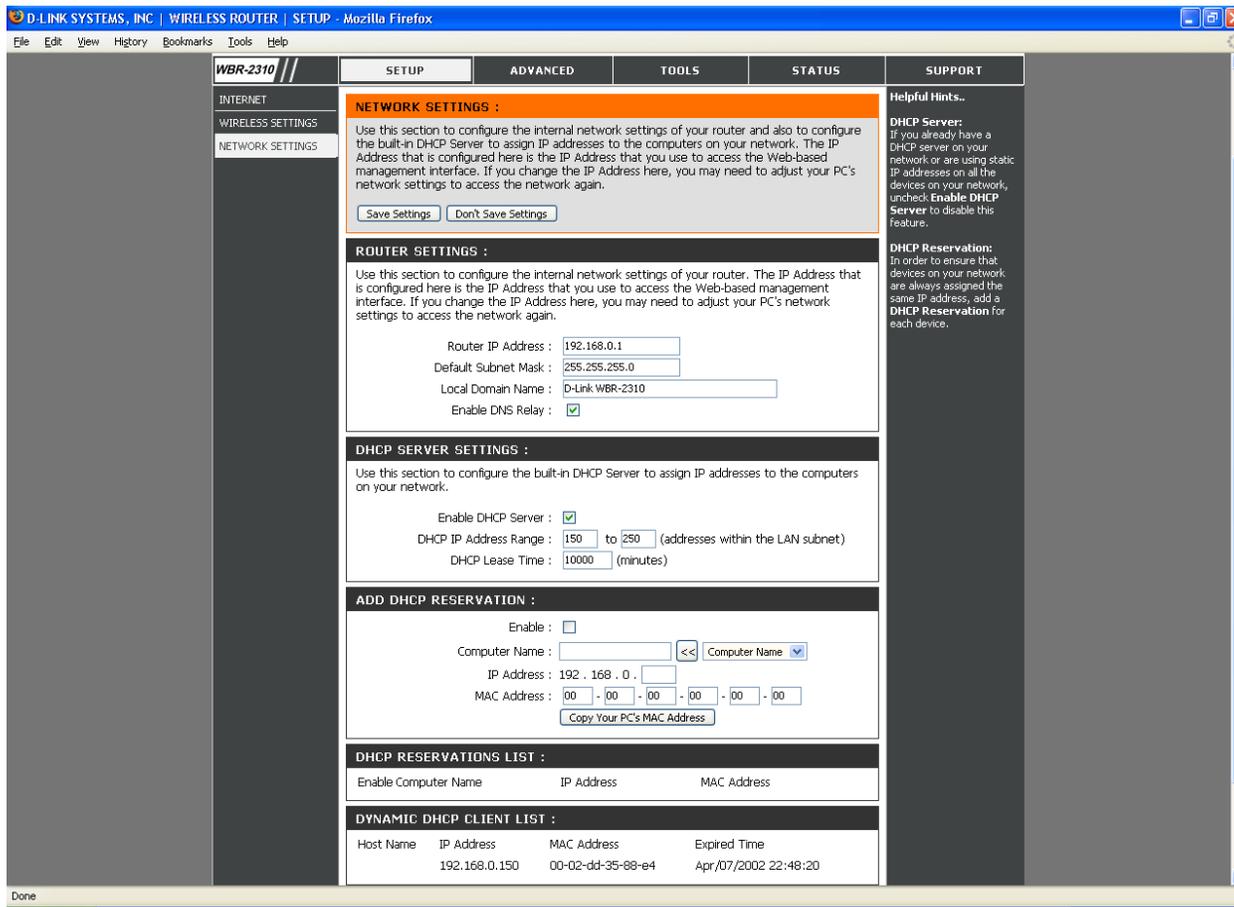
Helpful Hints..

Internet Connection: 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, please contact your **Internet Service Provider (ISP)**.

Support: 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.

LAN Settings

The LAN (Local Area Network) settings specify the routers address and subnet mask on the home network, as shown below:



The screenshot shows the 'NETWORK SETTINGS' page of a D-Link WBR-2310 wireless router. The page is divided into several sections:

- NETWORK SETTINGS :** Includes instructions and 'Save Settings' / 'Don't Save Settings' buttons.
- ROUTER SETTINGS :** Contains fields for Router IP Address (192.168.0.1), Default Subnet Mask (255.255.255.0), Local Domain Name (D-Link-WBR-2310), and an enabled 'Enable DNS Relay' checkbox.
- DHCP SERVER SETTINGS :** Includes an enabled 'Enable DHCP Server' checkbox, a DHCP IP Address Range (150 to 250), and a DHCP Lease Time (10000 minutes).
- ADD DHCP RESERVATION :** Features an 'Enable' checkbox, a 'Computer Name' dropdown, and fields for IP Address and MAC Address.
- DHCP RESERVATIONS LIST :** A table with columns for 'Enable', 'Computer Name', 'IP Address', and 'MAC Address'.
- DYNAMIC DHCP CLIENT LIST :** A table with columns for 'Host Name', 'IP Address', 'MAC Address', and 'Expired Time'.

Enable	Computer Name	IP Address	MAC Address
<input type="checkbox"/>			

Host Name	IP Address	MAC Address	Expired Time
	192.168.0.150	00-02-dd-35-68-e4	Apr/07/2002 22:48:20

Router Settings

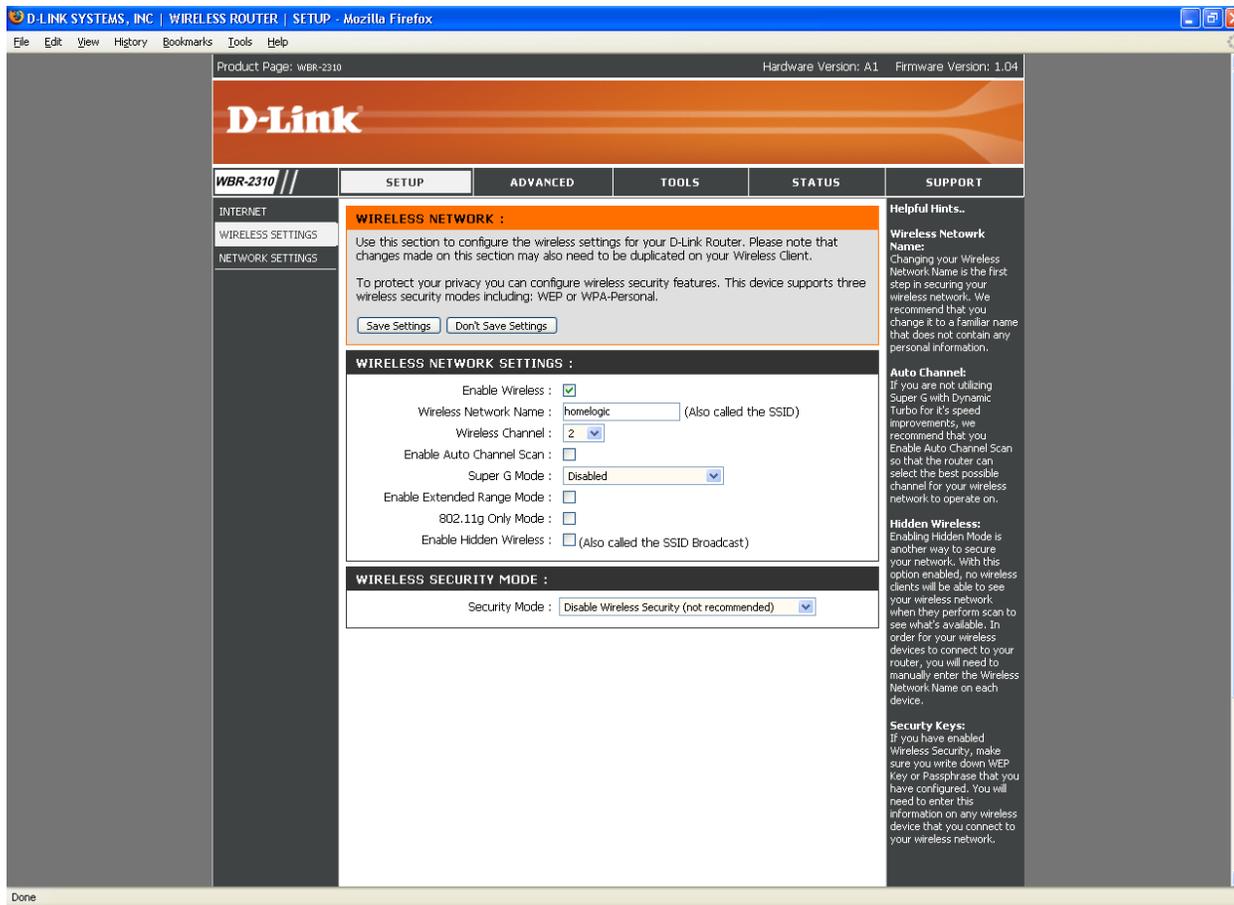
Typically, the router will be configured to a LAN IP of 192.168.0.1, with a Subnet Mask of 255.255.255.0, and DNS Relay enabled.

DHCP Settings

The router includes a DHCP (Dynamic Host Configuration Protocol) server. By default, the DHCP server is enabled, with the addresses range set to 192.168.0.150-192.168.0.250.

Wireless Settings

The image below shows the default wireless settings for the router.



Wireless Encryption Settings

IMPORTANT: As shown above, the wireless encryption is turned off by default. We suggest that wireless encryption is turned on during installation.

We suggest you make the following changes to the router settings during installation to turn on encryption for the wireless network:

- Set the **SSID** to a name that corresponds to the house
- Set the channel to (Auto) if you have not tested to find the best channel for your install
- Typically set other settings like "Super G Mode", "Extended Security Range", "802.11g ONLY" and "Hidden Wireless" to be **disabled**
- Set the **Security** to WEP
- Set **WEP Encryption** to 64 bits
- Set **Key Type** to HEX
- Set **Key1** to a unique 10 digit number

Save your settings. You will need the SSID (is CASE SENSITIVE) and Key1 when you configure a tablet, or other WiFi device to connect to the wireless network.

Port Forwarding

There are two ports on the wireless router that are forwarded to the **g! Controller** in standard **g!** installations. Note that the D-Link contains two locations where port forwarding may be setup: Virtual Server (for single ports) and Port Forwarding (for a range of ports). Elan configures each port under the Virtual Server location by default. Either should be effective, but ensure you only configure in one location!

IMPORTANT NOTE: If there are other routers or firewalls in the network there may be additional steps required to properly setup the remote access. Contact the network administrator for details.

Port 443 or 2198: g! Remote Access: this port enables a remote user to access the Viewer/Configurator interface over the Internet using g!Connect. Make sure you set the correct external port in Configurator on the System tab. Note that legacy controllers used 443, and HC Controllers use 2198 by default. In default router settings Elan will forward both ports to the controller.

Port 5001 or 2199: g! Service: this port enables service connections, so that support personnel from Elan or from the dealer's office can access the **g! Controller** remotely to troubleshoot issues. Note that HomeBrick controllers used 5001, and MultiBrick/HC Controllers use 2199 by default. In default router settings Elan will forward both ports to the controller.

The following image shows the default port settings on the wireless router.

The screenshot shows the D-Link WBR-2310 web interface. The browser address bar shows 'D-LINK SYSTEMS, INC | WIRELESS ROUTER | HOME - Mozilla Firefox'. The page title is 'Product Page: WBR-2310' and the hardware/firmware versions are 'Hardware Version: A1' and 'Firmware Version: 1.04'. The navigation menu includes 'SETUP', 'ADVANCED', 'TOOLS', 'STATUS', and 'SUPPORT'. The 'VIRTUAL SERVER RULES' section is active, displaying a table of 20 rules. The first five rules are checked and show default configurations for HomeLogic Old, TermServ Old, OneHome Remote, and OneHome Service. The remaining rules are unchecked and show default configurations for ports 0 and 0.

	Name	Application Name	Port	Traffic Type	Schedule
<input checked="" type="checkbox"/>	HomeLogic Old	<< Application Name >>	Public 443	Any	Always
	IP Address	<< Computer Name >>	Private 443		
	192.168.0.2				
<input checked="" type="checkbox"/>	TermServ Old	<< Application Name >>	Public 5001	Any	Always
	IP Address	<< Computer Name >>	Private 5001		
	192.168.0.2				
<input checked="" type="checkbox"/>	OneHome Remote	<< Application Name >>	Public 2198	Any	Always
	IP Address	<< Computer Name >>	Private 2198		
	192.168.0.2				
<input checked="" type="checkbox"/>	OneHome Service	<< Application Name >>	Public 2199	Any	Always
	IP Address	<< Computer Name >>	Private 2199		
	192.168.0.2				
<input type="checkbox"/>	Name	<< Application Name >>	Public 0	Any	Always
	IP Address	<< Computer Name >>	Private 0		
	0.0.0.0				
<input type="checkbox"/>	Name	<< Application Name >>	Public 0	Any	Always
	IP Address	<< Computer Name >>	Private 0		
	0.0.0.0				
<input type="checkbox"/>	Name	<< Application Name >>	Public 0		