

Port Forwarding on the DIR-300

This setup example will demonstrate the process of Port Forwarding on the DIR-300 to allow applications to pass through the LAN to WAN Interface. This is because the DIR-300 is placed into a Network it will act as a simple firewall device for your computers connected to the LAN Side, port 1 to port 4 is the LAN side.

First you will need to obtain access to the DIR-300 Web Configuration. As you want to perform Port Forwarding it is recommended that you assign a Static IP Address to your network adapter in your computer. This guide will assume that you want to allow the connected computer to perform Port Forwarding with an IP Address of 192.168.0.100 (a common IP Address that is used by the DIR-300's DHCP Server).

- **To assign a Static IP Address under Windows XP, refer to below:**

1. Click Start > Control Panel > Network Connections > Local Area Connection > Properties > Internet Protocol TCP/IP > Properties
2. In the dialog box, specify the below:

You will need to select the radio button titled "Use the following IP Address", and "Use the following DNS server addresses" for the below entry.

IP Address: 192.168.0.100
Subnet Mask: 255.255.255.0
Gateway: 192.168.0.1

Primary DNS: 192.168.0.1
Secondary DNS: Use one assigned by your Internet Service Provider.

3. Click on the OK button to accept the changes. If the OK button is not available click the Close button instead.

- **To assign a Static IP Address under Windows Vista, refer to below:**

1. Click Start > Control Panel > Manage and Sharing Centre > Manage network connections. Right click on the Local Area Connection and select Properties. Click the Continue button to allow the Properties to be displayed.
2. Highlight "Internet Protocol Version 4 (TCP/IPv4)" and click on the Properties button.

You will need to select the radio button titled "Use the following IP Address", and "Use the following DNS server addresses" for the below entry.

IP Address: 192.168.0.100
Subnet Mask: 255.255.255.0
Gateway: 192.168.0.1

Primary DNS: 192.168.0.1
Secondary DNS: Use one assigned by your Internet Service Provider.

3. Click on the OK button to accept the changes. If the OK button is not available click the Close button instead.

- **To assign a Static IP Address under Apple Macintosh, refer to below:**

1. Click on System Preferences > Network. Highlight your Built-in Ethernet, and then click on the Configure button.

Under the Network Dialog box, you should see similar to the below:

Location: Automatic
Show: Built-in Ethernet

Ensure that "TCP/IP" is selected. For the TCP/IP settings, refer to below:

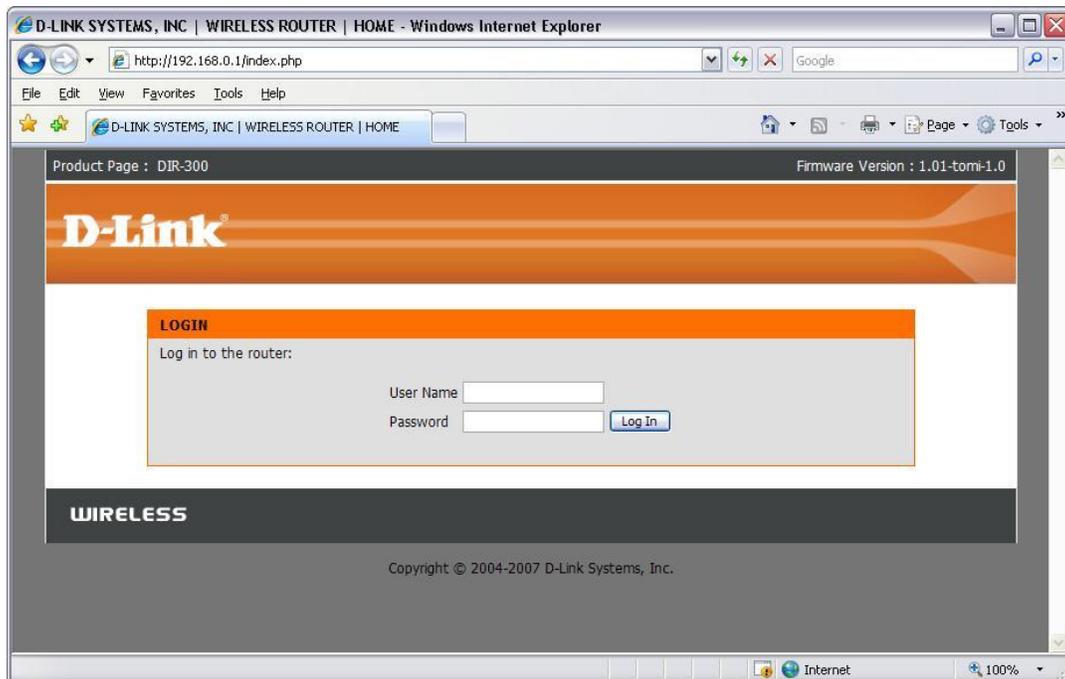
2. Under "Configure IPv4" select from the drop down menu "Manually". Then assign the below details:

IP Address: 192.168.0.1
Subnet Mask: 255.255.255.0
Router: 192.168.0.1
DNS Servers: 192.168.0.1 (Or you may specify your Internet Service Providers settings).

3. Click on the Apply Now button.

Once the above has been completed, you may start with the configuration requirements for the DIR-300.

1. First you will need to login to the Web Configuration on the DIR-300.
2. Open your Internet Browser and in the Address Bar, type in <http://192.168.0.1> Refer to below as example:



3. Login to the Web Configuration as per below:

Username: admin
Password: Leave blank (nothing to type in).

Then click on the Log In button.

- Click on **ADVANCED**, you will then notice that on the Left hand menu that Port Forwarding is already selected. As per below screenshot:

DIR-300 // **SETUP** **ADVANCED** **MAINTENANCE** **STATUS**

Port Forwarding
Application Rules
Access Control
Firewall & DMZ
Advanced Wireless
Advanced Network
Routing
Smart QoS
Logout

ADVANCED PORT FORWARDING RULES

The Advanced Port Forwarding option allow 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 service such as FTP or Web Servers.

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Remaining number of rules that can be created: 24

			Port	Traffic Type
<input checked="" type="checkbox"/>	Name uTorrent	<< Application Name	Public Port 6881 ~ 6881	Any
	IP Address 192.168.0.100	<< Computer Name	Private Port 6881 ~ 6881	

- The radio button (tick box) on the first column next to Name and IP Address will need to be ticked in order to be enabled.
- From the "Application Name" drop down if your applicable option is not available then under "Name" I would specify your own custom criteria e.g. uTorrent.
- Under "Port" field you will need to know the Port that your application uses for connection e.g. Port 6881. Therefore for the Public Port you would type 6881 ~ 6881.
- For Traffic Type, if unsure, leave it on "Any".
- From the "Computer name" drop down if your computer is not available then under "IP Address" you will need to enter the IP address of the computer which you want to open the port to. In our case the computer was assigned with IP Address 192.168.0.100 then under "IP Address" in the DIR-300 Web Configuration you would also enter 192.168.0.100.
- The "Private Port" is the same details as per the Public Port.
- If everything above has been performed correctly you should see similar to the below screenshot:

			Port	Traffic Type
<input checked="" type="checkbox"/>	Name uTorrent	<< Application Name	Public Port 6881 ~ 6881	Any
	IP Address 192.168.0.100	<< Computer Name	Private Port 6881 ~ 6881	

- Now click on Save Settings.
- Please wait for the settings to be applied. When completed, you will be directed back to the Web Configuration.
- Congratulations, Port Forwarding has been completed.