



# OPTIVIEW

MANUFACTURER & DISTRIBUTOR



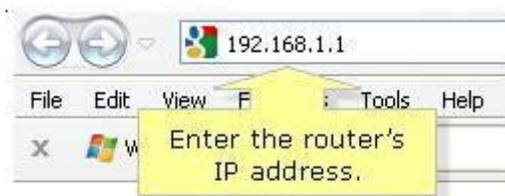
CCTV • MegaPixel • Infrastructure • Accessories

## Port Forwarding your Router To Allow Remote Access of Your DVR

Port forwarding of a router is required to allow user access to your DVR remotely. The port forwarding process may vary depending on the brand and model of the router being used. Regardless of the router you are working with, the process of port forwarding is similar. You will need to enable the ports by locating the port forwarding screen. The set up instruction outlined below is an example of port forwarding using one of Cisco's Router.

### To set up port forwarding:

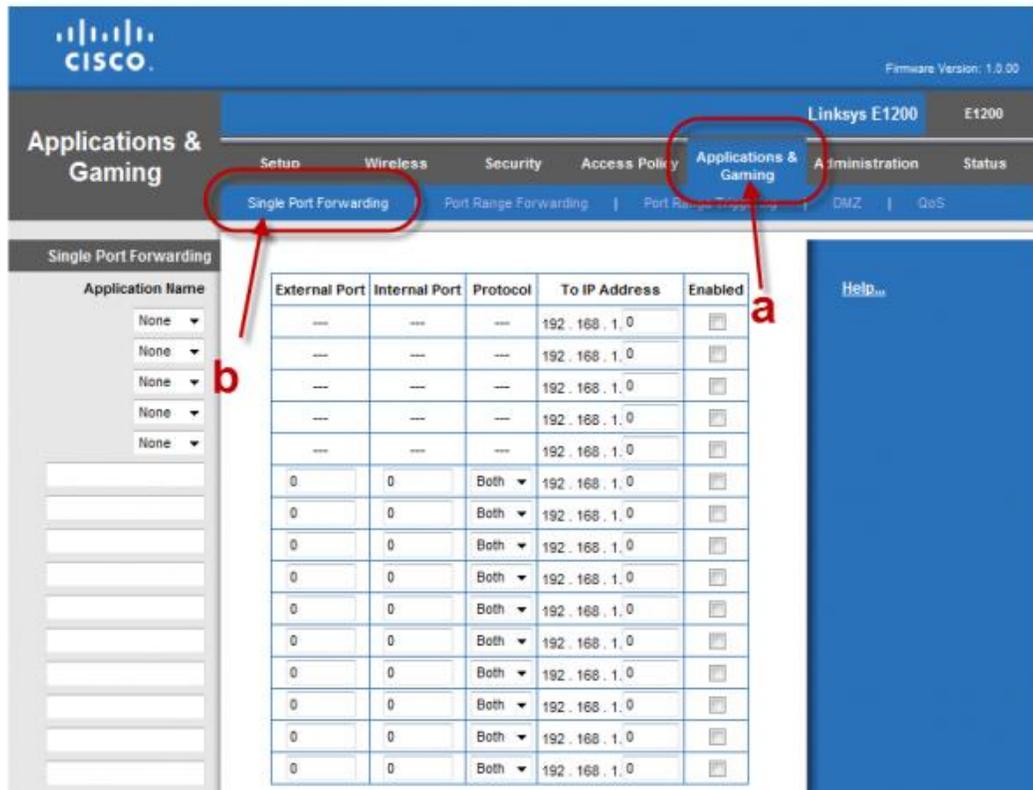
1. Launch a web browser and in the Address bar, enter your router's IP address (usually [192.168.1.1](http://192.168.1.1)) then press *Enter*.



2. When the login screen appears, enter the router's username and password. The default username is **admin**, the default password is **admin**.



3. Click on **Applications & Gaming** then Click **Single Port Forwarding**



The screenshot shows the Cisco Linksys E1200 web interface. The top navigation bar includes 'Applications & Gaming', 'Administration', and 'Status'. The 'Applications & Gaming' menu is highlighted with a red circle and labeled 'a'. Below it, the 'Single Port Forwarding' sub-menu is also highlighted with a red circle and labeled 'b'. The main content area displays a table for configuring port forwarding rules.

External Port	Internal Port	Protocol	To IP Address	Enabled
---	---	---	192.168.1.0	<input type="checkbox"/>
---	---	---	192.168.1.0	<input type="checkbox"/>
---	---	---	192.168.1.0	<input type="checkbox"/>
---	---	---	192.168.1.0	<input type="checkbox"/>
0	0	Both	192.168.1.0	<input type="checkbox"/>
0	0	Both	192.168.1.0	<input type="checkbox"/>
0	0	Both	192.168.1.0	<input type="checkbox"/>
0	0	Both	192.168.1.0	<input type="checkbox"/>
0	0	Both	192.168.1.0	<input type="checkbox"/>
0	0	Both	192.168.1.0	<input type="checkbox"/>
0	0	Both	192.168.1.0	<input type="checkbox"/>
0	0	Both	192.168.1.0	<input type="checkbox"/>
0	0	Both	192.168.1.0	<input type="checkbox"/>
0	0	Both	192.168.1.0	<input type="checkbox"/>
0	0	Both	192.168.1.0	<input type="checkbox"/>

*To define port forwarding for your DVR you have to first determine which port numbers are used by your particular model. You can determine this information by looking under the Network menu on your DVR.*

4. Fill out the required information:

- a. Under Application Name, enter a descriptive name.
- b. Enter the port number (same for External Port and Internal Port).
- a. Choose the protocol. If you are unsure, refer to the table below as an example:

37777	TCP
37778	UDP
80	TCP
5100 (PC Based)	TCP
5101 (PC Based)	TCP

*\*This table contains only general reference to the most common ports used by Optiview DVRs, please refer to your DVR Network settings to be sure of the ports you need to forward.*

- c. Enter the IP Address of the DVR
- d. Make sure the Enabled check box is checked.

After you enter the information for all three (3) ports you need to forward, your screen should look like the example below:

LINKSYS<sup>®</sup> by Cisco Firmware Version: v1.0.04

Wireless-N Home Router **WRT120N**

Applications & Gaming

Setup | Wireless | Security | Access Restrictions | **Applications & Gaming** | Administration | Status

Single Port Forwarding | Port Range Forwarding | Port Range Triggering | DMZ | QoS

Single Port Forwarding

Application Name

None ▾  
None ▾  
None ▾  
None ▾  
None ▾

DVR1  
DVR2  
DVR3

External Port	Internal Port	Protocol	To IP Address	Enabled
---	---	---	192.168.1. <input type="checkbox"/>	<input type="checkbox"/>
---	---	---	192.168.1. <input type="checkbox"/>	<input type="checkbox"/>
---	---	---	192.168.1. <input type="checkbox"/>	<input type="checkbox"/>
---	---	---	192.168.1. <input type="checkbox"/>	<input type="checkbox"/>
---	---	---	192.168.1. <input type="checkbox"/>	<input type="checkbox"/>
80	80	TCP ▾	192.168.1. 104	<input checked="" type="checkbox"/>
37777	37777	TCP ▾	192.168.1. 104	<input checked="" type="checkbox"/>
37778	37778	UDP ▾	192.168.1. 104	<input checked="" type="checkbox"/>
<input type="text"/>	<input type="text"/>	Both ▾	192.168.1. <input type="checkbox"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	Both ▾	192.168.1. <input type="checkbox"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	Both ▾	192.168.1. <input type="checkbox"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	Both ▾	192.168.1. <input type="checkbox"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	Both ▾	192.168.1. <input type="checkbox"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	Both ▾	192.168.1. <input type="checkbox"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	Both ▾	192.168.1. <input type="checkbox"/>	<input type="checkbox"/>

Help...

CISCO

Save Settings | Cancel Changes

5. Click **Save Settings**

After this process is complete you should be able to use your external IP address to access the DVR from anywhere.

To find out what your external IP address is [CLICK HERE](#)