A GUIDE TO PORT FORWARDING
YOUR ROUTER
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## Port Forwarding Guide

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PORT FORWARDING – BELKIN WIRED ROUTER

The port forwarding process is dependant on the brand and model number of the router being used. Port forwarding of a router is required with your system to allow user access to your network device. Regardless of the Belkin Wired Router being used, the process of port forwarding is similar. You will need to enable the ports by locating the port range forwarding screen. With most Belkin routers the port forwarding screen is located within the Virtual Servers option tab. The set up instruction outlined below is an example of port forwarding using Belkin Model F5D8230-4.

Step 1:
Open your web browser. Enter the router IP address in the address bar as shown below (192.168.2.1), followed by pressing Enter.

Step 2:
In the status page, select the Virtual Servers option located down the left hand side of the page.
Step 3:
In the Administrator’s page, enter your password. The default setting is left blank. Select the Submit button.
PORT FORWARDING – BELKIN WIRED ROUTER

Step 4:
In the Virtual Serves screen proceed as follows:

Enable the system by checking the enabled box

In the Description column enter a description of your network device (e.g. monitor)

In the Inbound Port entry field enter in the first box the first number of the port you need to port forward (e.g. 5000) and the ending port number in the second box in (e.g. 5003)

In the Type field, select Both.

In the Private IP Address field, enter the computer network IP address you recorded previously during the Quick Set Up Guide process.

In the Private Ports column re-enter in the first box, the first number of the port you need to port forward (e.g. 5000) and in the second box the ending port number (e.g. 5003).

Select the Apply Changes button located at the top of the page to save your changes.

Port forwarding is now complete! Return to the quick set up guide and proceed with the rest of the installation process.
The port forwarding process is dependent on the brand and model number of the router being used. Port forwarding of a router is required with your system to allow user access to your network device. Regardless of the DLink Wireless Router being used, the process of port forwarding is similar. You will need to enable the ports by locating the port range forwarding screen. With some DLink routers, the port forwarding screen is located within the Applications and Games or Filters tab; in others, it is located in the advance tools tab. The setup instruction outlined below is an example of port forwarding using DLink Model DI-524.

**Step 1:**
Open your web browser. Enter the router IP address in the address bar as shown below, (192.168.0.1) followed by pressing **Enter**.

**Step 2:**
Enter the user name (admin). Leave the password blank followed by pressing the **OK** button.
Port Forwarding – D-Link Wireless Router

Step 3:
Select the Advanced tab.

Step 4:
Select the Virtual Server tab.
Step 5:

Enable the system by checking the enabled box

In the Name field enter a description of your network device (e.g. monitor)

In the Private IP field enter the computer network IP address you recorded previously during the Quick Set Up Guide process.

In the Protocol field, select Both.

In the Private port enter the port number you need to port forward (e.g. 5000)

In the Public port re-enter the port number you entered in the private port field (e.g. 5000)

Select the Schedule to Always

If more ports are required to be port forwarded, repeat the above steps. When complete, select the Apply button located at the bottom of the page to save your changes.

Port forwarding is now complete! Return to the quick set up guide and proceed with the rest of the installation process.
PORT FORWARDING – LINKSYS WIRELESS ROUTER

The port forwarding process is dependant on the brand and model number of the router being used. Port forwarding of a router is required with your system to allow user access to your network device. Regardless of the Linksys Wireless Router being used, the process of port forwarding is similar. You will need to enable the ports by locating the port range forwarding screen. With some Linksys routers the port forwarding screen is located within the Applications and Games or Filters tab; in others it is located in the advance tools tab. The set up instruction outlined below is an example of port forwarding using Linksys Model WRK54GV2.

Step 1:
Open your web browser. Enter the router IP address in the address bar as shown below (192.168.1.1), followed by pressing Enter.

![Google - Microsoft Internet Explorer](http://192.168.1.1)

Step 2:
Enter the user name and password as shown below (admin by default) and press the OK button.

![Connect to 192.168.1.1](http://192.168.1.1)
**Step 3:**
Select the **Applications and Gaming** tab.

![Image of Linksys Wireless-G Broadband Router configuration page](image)

**Step 4:**
Select the **Port Range Forwarding** tab.

![Image of Linksys Wireless-G Broadband Router configuration page](image)
Step 5:

In the **Application** column enter a description of your network device (e.g. monitor).

In the **Start** entry field enter the first number of the port you need to port forward (e.g. 5000).

In the **End** entry field enter the last number of the port you need to port forward (e.g. 5003).

In the **Protocol** field, select Both.

In the **IP address** field, enter the computer network IP address you recorded previously during the Quick Set Up Guide process.

**Enable** the system by checking the enabled box.

Select the **Save** settings button located at the bottom of the page to save your changes.

Port forwarding is now complete! Return to the quick set up guide and proceed with the rest of the installation process.
PORT FORWARDING – LINKSYS WIRED ROUTER

The port forwarding process is dependant on the brand and model number of the router being used. Port forwarding of a router is required with your system to allow user access to your network device. Regardless of the Linksys Wired Router being used, the process of port forwarding is similar. You will need to enable the ports by locating the port range forwarding screen. With some Linksys routers the port forwarding screen is located within the Applications and Games or Filters tab; in others it is located in the advance tools tab. The set up instruction outlined below is an example of port forwarding using Linksys Model BEFSR41.

**Step 1:**
Open your web browser. Enter the router IP address in the address bar as shown below (192.168.1.1), followed by pressing **Enter**.

![Web browser window](http://192.168.0.1)

**Step 2:**
Enter the user name and password as shown below (**admin** by default) and press the **OK** button.

![Login page](http://192.168.1.1)
Step 3:
Select the **Applications and Gaming** tab.

![Image of Linksys Wired Router interface](image)

Step 4:
Select the **Port Range Forwarding** tab.
Step 5:

In the **Application** column enter a description of your network device (e.g. monitor).

In the **Start** entry field enter the first number of the port you need to port forward (e.g. 5000).

In the **End** entry field enter the last number of the port you need to port forward (e.g. 5003).

In the **Protocol** field, select Both.

In the **IP address** field, enter the computer network IP address you recorded previously during the Quick Set Up Guide process.

Enable the system by checking the enabled box.

Select the **Save** settings button located at the bottom of the page to save your changes.

Port forwarding is now complete! Return to the quick set up guide and proceed with the rest of the installation process.
The port forwarding process may vary depending on the brand and model number of the router being used. Port forwarding of a router is required to allow user access to your network device. Regardless of the Westell Router being used, the process of port forwarding is similar. You will need to enable the ports by locating the port range forwarding screen. The set up instruction outlined below is an example of port forwarding a Westell Router using Westell VERSALINK.

**Step 1:**
Open your web browser.
Enter the router IP address **192.168.62.1** in the address bar as shown below, followed by pressing Enter.

![Google - Microsoft Internet Explorer](http://192.168.0.1)

**Step 2:**
Enter ‘admin’ in the User Name and ‘admin’ in the Password dialog box to enter the Westell configuration page.

![Enter Network Password](http://192.168.82.1)

Source: Portforwarding.com
**PORT FORWARDING – WESTELL ROUTER**

**Step 3:**
Select ‘Configuration’

**Step 4:**
Select the **Define Custom Service** Tab

Source: Portforwarding.com
Select the **Define Custom Service** Tab

**Custom Service**

Set up a Port forwarding entry based on your specific ports
- Port Forwarding
- Ranges of Ports
- Trigger Ports

Forward a range of WAN ports to an IP address on the LAN
Forward a range of ports to an IP address on the LAN only after specific outbound traffic

Next | Cancel

**Step 5:**

Select the Define Custom Service Tab

<table>
<thead>
<tr>
<th>Service</th>
<th>Name</th>
<th>Global Port Range</th>
<th>Base Host Port</th>
<th>Protocol</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LOREX</td>
<td>(e.g. 5000) - (e.g. 5003)</td>
<td>(5000)</td>
<td>TCP</td>
</tr>
</tbody>
</table>

Select **Next** button when complete

**Source:** Portforwarding.com
PORT FORWARDING – WESTELL ROUTER

Step 7:

A confirmation window will appear on the screen which shows the same information just entered. Select the close button to continue. You should now be in the Configuration Window screen. Select the Define Customer Service button, followed by selecting the Port Forwarding Ranges of Port option. Finally click the Next button.

Step 8:

Use the Select a Service drop down box and select the configuration just created. Select the Enable button.

Port forwarding is now complete! Return to the quick set up guide and proceed with the rest of the installation process.

Source: Portforwarding.com
PORT FORWARDING – NETGEAR ROUTER

The port forwarding process may vary depending on the brand and model number of the router being used. Port forwarding of a router is required to allow user access to your network device.

Regardless of the Netgear router being used, the process of port forwarding is similar. You will need to enable the ports by locating the port range forwarding screen. The set up instruction outlined below is an example of port forwarding a Netgear Router using **Netgear Model DG 824M**.

**Step 1:**
Open your web browser.
Enter the router IP address **192.168.0.1** in the address bar as shown below, followed by pressing **Enter**.

![Google - Microsoft Internet Explorer](image)

**Step 2:**
Enter ‘**admin**’ in the User Name and ‘**password**’ in the Password dialog box to enter the Westell configuration page.

![Enter Network Password](image)

Source: Portforwarding.com
Step 3:
Select the **Services** button in the **Security menu**

![Netgear FR114P settings](image)

Step 4:
In the **Services** menu, select the **Add Custom Service** button

![Services menu](image)

Source: Portforwarding.com
PORT FORWARDING – NETGEAR ROUTER

Step 5:
In the Services screen, proceed as follows:

  In the Name field, select Lorex
  In the Type field, select TCP
  In the Start Port field, enter the first number of the port you need to port forward (e.g. 5000)
  In the Finish Port field, enter the ending port number (e.g. 5003)
  Check the Apply button

![Port Forwarding Setup](image)

Step 6:
Next, in the Security option, select Rules

![Router Settings](image)

Source: Portforwarding.com
Step 7:

Next, in the Rules screen select Add in the inbound services.

<table>
<thead>
<tr>
<th>Service Name</th>
<th>Action</th>
<th>LAN User</th>
<th>WAN Server</th>
<th>Log</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ALLOW</td>
<td>Any</td>
<td>Any</td>
<td>Never</td>
</tr>
</tbody>
</table>

Add 

Step 8:

Next, in the Inbound services proceed as follows:

In the Service drop down list, select the newly created Lorex entry.

In the Action field, select ALLOW always.

In the Send to LAN Server field, enter your computers IP address.

In the WAN Users field, set to Any.

In the Log field, set to Never.

Click on Apply.

Port forwarding is now complete! Return to the quick set up guide and proceed with the rest of the installation process.

Source: Portforwarding.com
PORT FORWARDING – NETOPIA ROUTER

The port forwarding process may vary depending on the brand and model number of the router being used. Port forwarding of a router is required to allow user access to your network device.

Regardless of the Netopia being used, the process of port forwarding is similar. You will need to enable the ports by locating the port range forwarding screen. The set up instruction outlined below is an example of port forwarding a Netopia Router using **Netopia Model 3346**.

**Step 1:**
Open your web browser.
Enter the router IP address **192.168.62.1** in the address bar as shown below, followed by pressing Enter.

![Google - Microsoft Internet Explorer](http://192.168.62.1)

**Step 2:**
Enter ‘admin’ in the User Name and ‘1234’ in the Password dialog box followed by ‘OK’ to enter the Netopia configuration page.

![Enter Network Password](http://admin/1234)

Source: Portforwarding.com
Step 3:
Select **Expert Mode**

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Step 4:
Select the **Yes, enter expert mode** button

---

Source: Portforwarding.com
PORT FORWARDING – NETOPIA ROUTER

Step 5:
Select **Configure** followed by selecting **NAT**:

![NAT Configuration](image)

Step 6:
Select the **Define Custom Service** button

![Define Custom Service](image)

Source: Portforwarding.com
Step 7:

Select Port Forwarding Range of Ports, followed by Next:

Step 8:

In the Port Range screen, proceed as follows:

In the Service Name field, type LOREX
In the Global Port Range field, enter in the first box, the first number of the port you need to port forward (e.g. 5000) and in the second box the ending port number (e.g. 5003)
In the Base Host Port enter the first port to be forwarded (5000)
In Protocol, select TCP
Select the Next button when complete

Source: Portforwarding.com
Step 9:

In the **Nat Configuration** Menu, use the **Service Name down** box and select the configuration just created. Select the **Enable** button.

Port forwarding is now complete! Return to the quick set up guide and proceed with the rest of the installation process.
PORT FORWARDING – MOTOROLA ROUTER

The port forwarding process may vary depending on the brand and model number of the router being used. Port forwarding of a router is required to allow user access to your network device.

Regardless of the Motorola router being used, the process of port forwarding is similar. You will need to enable the ports by locating the port range forwarding screen. The set up instruction outlined below is an example of port forwarding a Motorola Router using Motorola Model SBG 1000.

Step 1:
Open your web browser. Enter the router IP address 192.168.0.1 in the address bar as shown below, followed by pressing Enter.

Step 2:
Enter ‘admin’ in the User ID and ‘motorola’ in the Password dialog box followed by clicking ‘Log In’ to enter the Motorola configuration page.

Source: Portforwarding.com
PORT FORWARDING – MOTOROLA ROUTER

Step 3:
Select the Gateway button

Step 4:
Select the Port Forwarding button
**Step 5:**
Select Config

**Step 6:**
Select In the Add New Port Forward Entry screen, proceed as follows:

- In the **Template** field, select **Custom**
- In the **Name** field, select **Lorex**
- In the **Port Start** field, enter the first number of the port you need to port forward (e.g. **5000**)
- In the **Port End** field, enter the ending port number (e.g. **5003**)
- In the **LAN IP Address** field enter the IP address (**192.168.0.1**)
- Check the **Enable** button
- Finally click the **Add** button, followed by selecting the **Apply** button.

Port forwarding is now complete! Return to the quick set up guide and proceed with the rest of the installation process.

Source: Portforwarding.com
PORT FORWARDING – 2 WIRE ROUTER

The port forwarding process may vary depending on the brand and model number of the router being used. Port forwarding of a router is required to allow user access to your network device.

Regardless of the 2 Wire Router being used, the process of port forwarding is similar. You will need to enable the ports by locating the port range forwarding screen (Note: in many 2 wire systems, it is located in the firewall setting). The set up instruction outlined below is an example of port forwarding a 2 Wire Router using 2 Wire Model 1800G.

Step 1:
Open your web browser.
Enter the router IP address 192.168.1.254 in the address bar as shown below, followed by pressing Enter.

Step 2:
Select the Firewall Tab.

Source: Portforwarding.com
Step 3:
Select **Firewall Settings**.

![Firewall Settings](image)

Step 4:
In the **Edit Firewall Settings** tab, select **add a new** user defined application.

![Edit Firewall Settings](image)
PORT FORWARDING – 2 WIRE ROUTER

Step 5:

In the **Edit Firewall** Settings proceed as follows:

In the **Application Name** field, type **LOREX**  
In the **Protocol selection**, select **TCP**  
In the **Port field**, enter in the first box, the first number of the port you need to port forward (e.g. 5000) and in the second box the ending port number (e.g. 5003).

Select the **Add Definition** button

**Step 6:**

Select the **Back** button to return to the **Edit Firewall Screen**

Source: Portforwarding.com
PORT FORWARDING – 2 WIRE ROUTER

Step 7:

In the Edit Firewall Settings proceed as follows:

In the Select a Computer field, select LOREX
In the Edit a Firewall Setting, check the Allow Individual Applications box and highlight the Lorex application which you just created. Click Add

Finally select the Done button at the bottom of the screen.

Port forwarding is now complete! Return to the quick set up guide and proceed with the rest of the installation process.

Source: Portforwarding.com