

How to setup Port Forwarding

Note: Prior to setup and configuration of the Port Forwarding for your application/device, you will need to know two key components:

1. The Port(s) the application requires or device.
2. The IP Address of the computer or device.

In this How-To example I shall demonstrate the configuration requirements for Remote Desktop and Xbox Live.

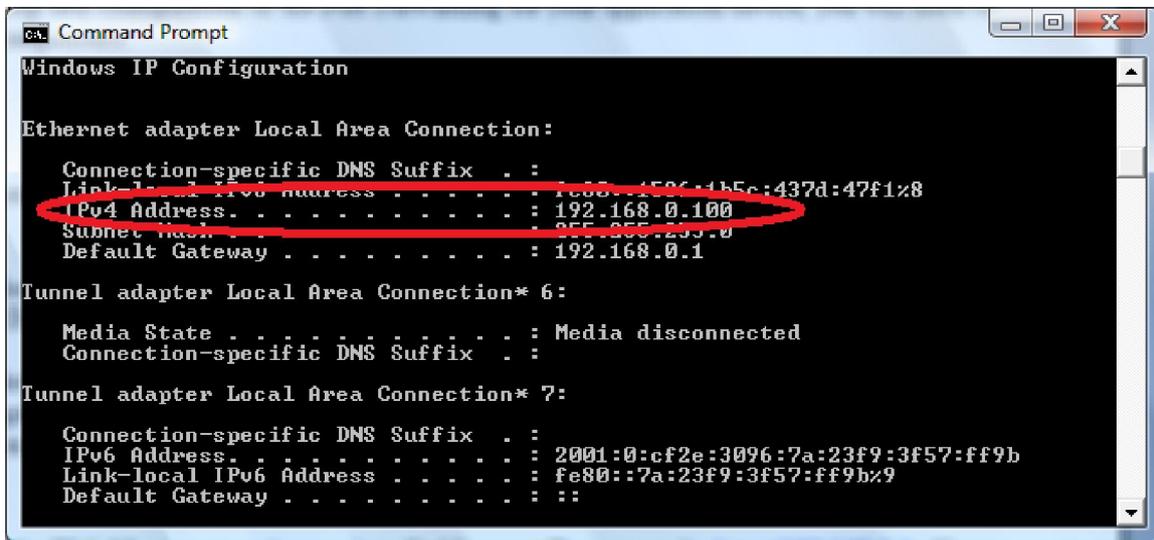
To understand the port requirements for the 2 applications please visit the links below.

Xbox Live <http://support.microsoft.com/kb/908874>

Remote Desktop <http://support.microsoft.com/kb/304304>

If it is another device or application, please refer the relevant documentation.

To obtain the IP Address of your computer you will need to open Command Prompt found through Start > All Programs > Accessories or under Run type in "cmd" (without quotes) or "command" (without quotes) and refer to the heading IP Address, an example if show below:



```
Command Prompt
Windows IP Configuration

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix . . . : 
    Link-local IPv6 Address . . . . . : fe80::158c:1b5c:437d:47f1%8
    IPv4 Address. . . . . : 192.168.0.100
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.0.1

Tunnel adapter Local Area Connection* 6:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix . . : 

Tunnel adapter Local Area Connection* 7:

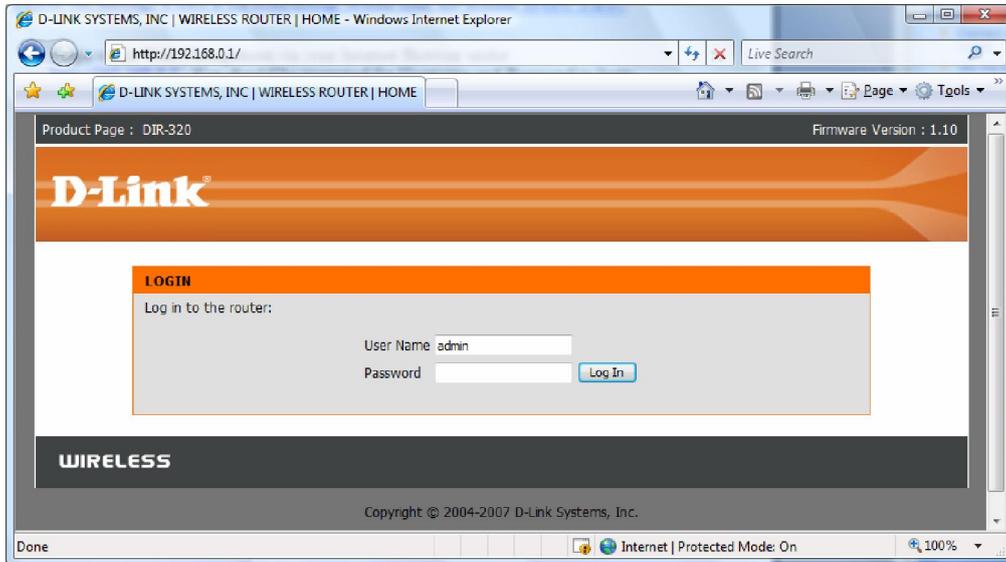
    Connection-specific DNS Suffix . . : 
    IPv6 Address. . . . . : 2001:0:cf2e:3096:7a:23f9:3f57:ff9b
    Link-local IPv6 Address . . . . . : fe80::7a:23f9:3f57:ff9b%9
    Default Gateway . . . . . : ::
```

NOTE: Refer to IP Address or IPv4 Address.

As you can see from the above example, the IP Address I will be using for Remote Desktop will be 192.168.0.1. If you are unsure of your Xbox's IP Address, please refer to the Xbox documentation. My Xbox IP Address will be 192.168.0.200.

Now we can begin with the configuration requirements, if your application or device is not mentioned, the configuration for Port Forwarding is still the same.

1. Login to the Web Management via your installed Internet Browser under <http://192.168.0.1>. You should be prompted for Username and Password to login successfully. As per below:



2. Once you have logged in successfully, click on the Advanced menu at the top:



3. First you assign a Name e.g. Xbox (no two or more names can be the same, so you can reference Xbox1, Xbox2 for example)
4. Now enter in the IP Address, remembering my example was 192.168.0.200.
5. Now under Port enter for the Public Port 80, then for the Private Port 80 as well.
6. Now under Traffic Type we know Port 80 was for TCP so we select TCP.
7. Now click the check box prior to Name and IP Address to enable the rule. It should now look similar to the below screenshot.

			Port	Traffic Type
<input checked="" type="checkbox"/>	Name Xbox	<< Application Name	Public Port 80 ~ 80	TCP
	IP Address 192.168.0.200	<< Computer Name	Private Port 80 ~ 80	

8. Now we repeat the steps for the remaining entries, remembering that the name can not be used more then once, therefore refer to Step 3.

9. Please see below for an example of the Remote Desktop configuration

<input checked="" type="checkbox"/>	Name	<< Application Name ▼	Public Port	3389 ~ 3389	Any ▼
	Remote Desktop		Private Port		
IP Address	<< Computer Name ▼	Public Port	3389 ~ 3389		
192.168.0.100		Private Port	3389 ~ 3389		

10. When all the entries have been added, you then click on the Save Settings button. Once it has saved successfully, you should see similar configuration as per below:

			Port	Traffic Type
<input checked="" type="checkbox"/>	Name	<< Application Name ▼	Public Port	TCP ▼
	Xbox		80 ~ 80	
IP Address	<< Computer Name ▼	Private Port	80 ~ 80	
192.168.0.200		80 ~ 80		
<input checked="" type="checkbox"/>	Name	<< Application Name ▼	Public Port	UDP ▼
	Xbox2		88 ~ 88	
IP Address	<< Computer Name ▼	Private Port	88 ~ 88	
192.168.0.200		88 ~ 88		
<input checked="" type="checkbox"/>	Name	<< Application Name ▼	Public Port	UDP ▼
	Xbox3		3074 ~ 3074	
IP Address	<< Computer Name ▼	Private Port	3074 ~ 3074	
192.168.0.200		3074 ~ 3074		
<input checked="" type="checkbox"/>	Name	<< Application Name ▼	Public Port	TCP ▼
	Xbox4		3074 ~ 3074	
IP Address	<< Computer Name ▼	Private Port	3074 ~ 3074	
192.168.0.200		3074 ~ 3074		
<input checked="" type="checkbox"/>	Name	<< Application Name ▼	Public Port	UDP ▼
	Xbox5		53 ~ 53	
IP Address	<< Computer Name ▼	Private Port	53 ~ 53	
192.168.0.200		53 ~ 53		
<input checked="" type="checkbox"/>	Name	<< Application Name ▼	Public Port	TCP ▼
	Xbox6		53 ~ 53	
IP Address	<< Computer Name ▼	Private Port	53 ~ 53	
192.168.0.200		53 ~ 53		
<input checked="" type="checkbox"/>	Name	<< Application Name ▼	Public Port	Any ▼
	Remote Desktop		3389 ~ 3389	
IP Address	<< Computer Name ▼	Private Port	3389 ~ 3389	
192.168.0.100		3389 ~ 3389		