

Xbox Setup

There are two ways of allowing your Xbox to communicate with the internet. One is through port forwarding and the other is through the DMZ feature.

Port forwarding will enable specified ports on the ND18ACV to get access to your Xbox to communicate with the internet as if they were directly connected by allowing access through.

Setting your Xbox as a **DMZ host** opens all the ports on the ND18ACV to allow access to a designated device.

Prerequisite

Before you configure the ND18ACV, you will need to set a static IP address on your Xbox.

Please follow the instructions at the link below to set a static IP address on your Xbox:

<https://portforward.com/networking/static-ip-xbox-one/>

You can use an IP address like 192.168.20.100 for example.

Important information

You can only forward a port to **one** location (IP address).



In some cases, this may cause issues when multiple LAN devices (computers, game consoles, or VOIP ATAs) attempt to use online gaming at the same time or make multiple VOIP service connections.

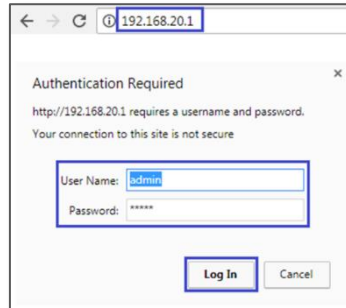
In these cases, you would need to use an alternate port for any subsequent connections after the first device.

Please consult your VOIP provider or game manufacturer for assistance with this.

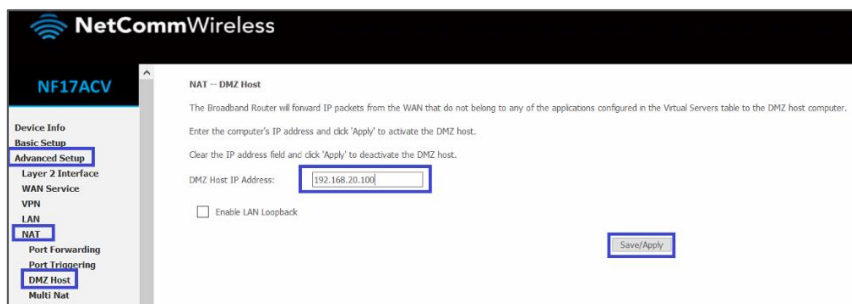
Setting the Xbox as the DMZ Host

Log in to the web interface

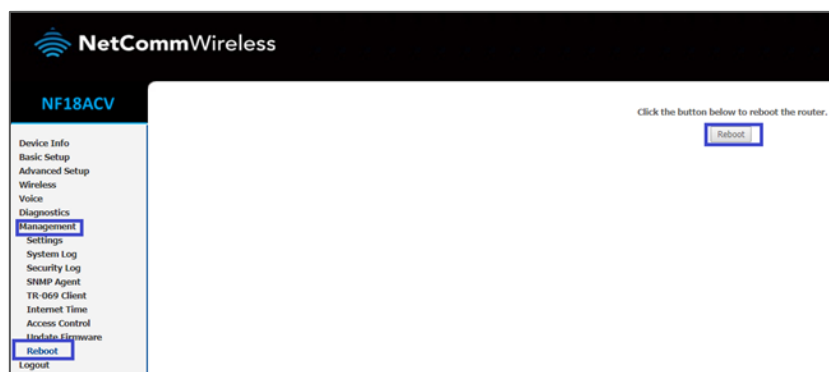
- 1 Open a web browser (such as Internet Explorer, Google Chrome or Firefox), type **http://192.168.20.1** into the address bar and press **enter**.



- 2 At the login screen, type **admin** into both the **User Name** and the **Password** fields and click **Log In**.
- 3 Click on the **Advance Setup** menu at the left of the page, then click on **NAT** options and then click on **DMZ Host** options:



- 4 Enter the static IP address of the Xbox in the **DMZ Host IP Address** field. In this example, **192.168.20.100** is the IP address of the Xbox.
- 5 Click on the **Save/Apply** button
- 6 Reboot the modem: Click **Management** menu on the left-hand side of the page then click the **Reboot** option:

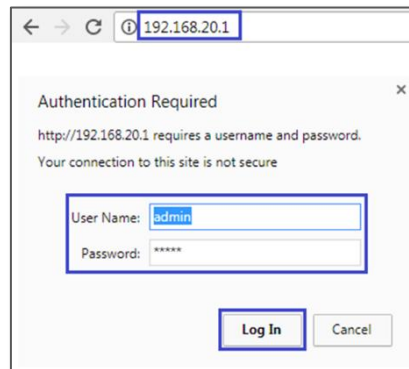


- 7 Click the **Reboot** button.

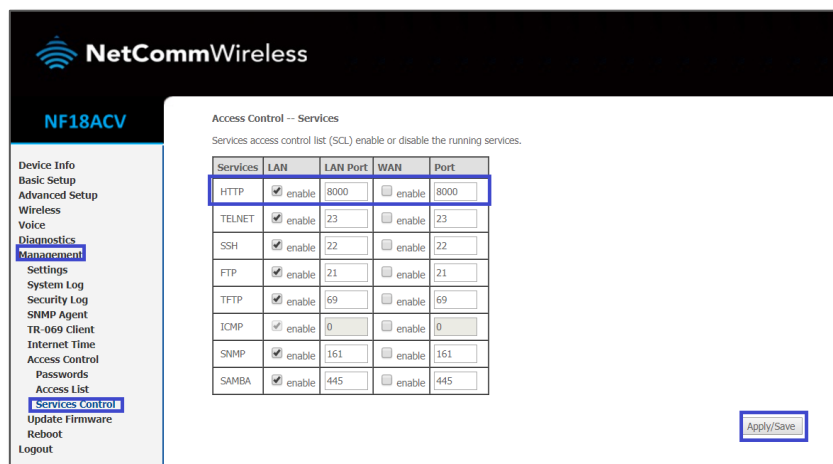
Adding Port Forwarding Rules for Xbox

Log in to the web interface

- 1 Open a web browser (such as Internet Explorer, Google Chrome or Firefox), type **http://192.168.20.1** into the address bar and press **enter**.
- 2 At the login screen, type **admin** into both the **User Name** and the **Password** fields and click **Log In**.



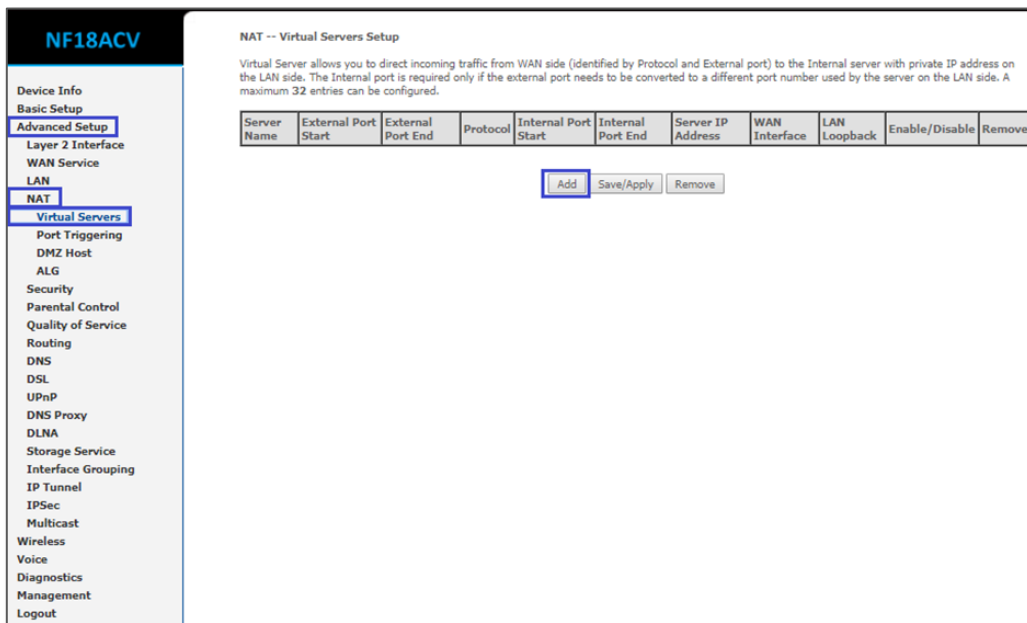
- 3 **Port 80** is also used to access webpage of the ND18ACV so it needs to be re-configured. It is recommended to change the webpage port number to **8000** as described below (**Remember that from now onwards you can only access the webpage with port 8000**)



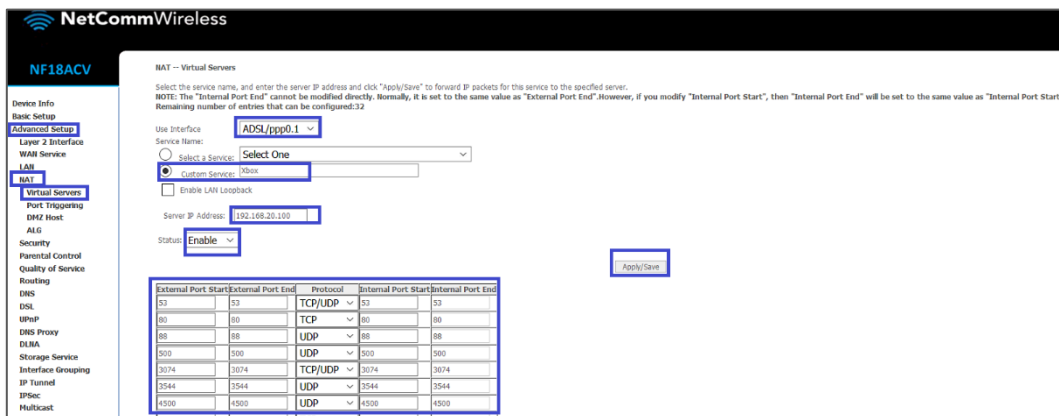
- 4 Click the **Save/Apply** button.
- 5 Open a web browser (such as Internet Explorer, Google Chrome or Firefox), type **http://192.168.20.1:8000** into the address bar and press **enter**.



- Click on the **Advanced Setup** at the left of the page, then click on **NAT** option and then click **Virtual Servers** options.



- Click the **Add** button to add a port forwarding rules.
- Check the Interface currently selected in the **Use Interface** field is correct.
- Choose Use Interface **ADSL** or **VDSL** depending on your connection type for DSL.



- To create your own defined port forwarding rule, select the **Custom Service** field and give the port forwarding rule a unique name. This example uses **Xbox**.
- Enter the IP address of the Xbox that you wish to port forward to in the **Server IP Address** field. In this example, the IP address of the Xbox is **192.168.20.100**
- Enter the **port** number or port range into the External Port Start and External Port End fields.

Note that the Internal Port Start and Internal Port End fields will automatically populate with the same port numbers.

13 Select the protocol to be used for the port forwarding rule. Options include TCP, UDP or TCP/UDP for both.

Ports and protocols

The ports and protocols for Xbox are as follows:

Xbox 360:

<http://support.xbox.com/en-AU/xbox-360/networking/network-ports-used-xbox-live>

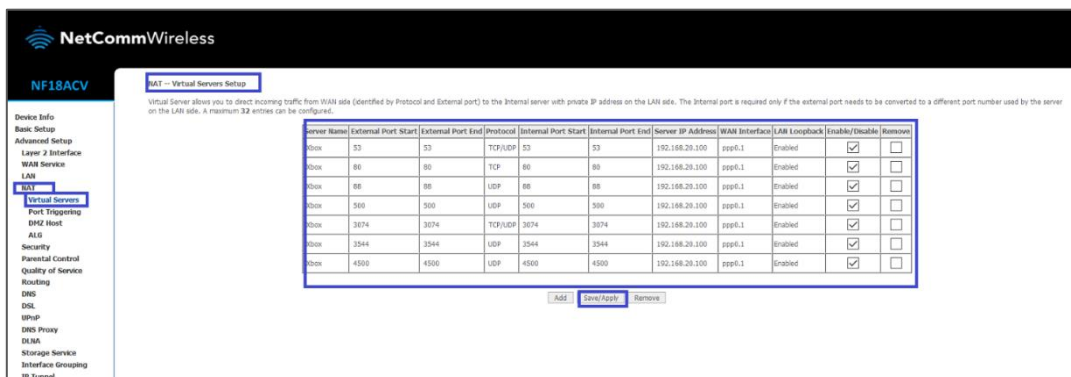
Protocol	Port Number
TCP and UDP	53
TCP	80
UDP	88
TCP and UDP	3074

Xbox one:

<http://support.xbox.com/en-AU/xbox-one/networking/network-ports-used-xbox-live>

Protocol	Port Number
TCP and UDP	53
TCP	80
UDP	88
UDP	500
TCP and UDP	3074
UDP	3544
UDP	4500

14 Click the **Apply/Save** button.



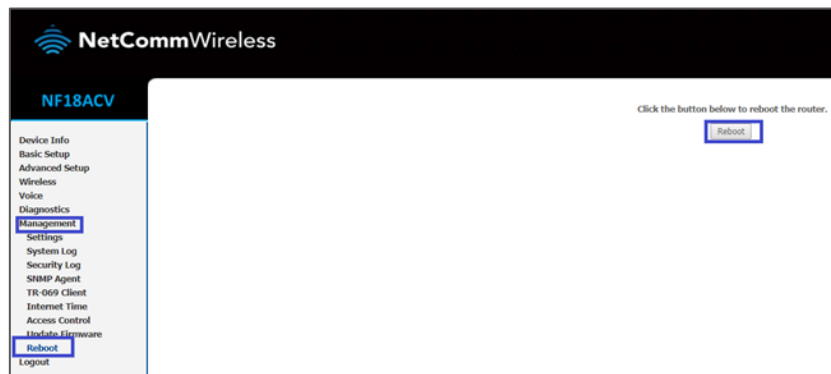
The screenshot shows the 'NAT - Virtual Servers Setup' page in the NetCommWireless interface. A table lists the configured port forwarding rules for Xbox. The table has columns for Server Name, External Port Start, External Port End, Protocol, Internal Port Start, Internal Port End, Server IP Address, WAN Interface, LAN Loopback, and Enable/Disable/Remove. The rules are as follows:

Server Name	External Port Start	External Port End	Protocol	Internal Port Start	Internal Port End	Server IP Address	WAN Interface	LAN Loopback	Enable/Disable	Remove
Xbox	53	53	TCP/UDP	53	53	192.168.20.100	ppp6.1	Enabled	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Xbox	80	80	TCP	80	80	192.168.20.100	ppp6.1	Enabled	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Xbox	88	88	UDP	88	88	192.168.20.100	ppp6.1	Enabled	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Xbox	500	500	UDP	500	500	192.168.20.100	ppp6.1	Enabled	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Xbox	3074	3074	TCP/UDP	3074	3074	192.168.20.100	ppp6.1	Enabled	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Xbox	3544	3544	UDP	3544	3544	192.168.20.100	ppp6.1	Enabled	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Xbox	4500	4500	UDP	4500	4500	192.168.20.100	ppp6.1	Enabled	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Buttons: Add, **Apply/Save**, Remove

15 The port forwarding rules will now be displayed as the example above shows.

- 16 Reboot the modem: Click **Management** menu on the left-hand side of the page then click the **Reboot** option:



- 17 Click the Reboot button.

Important information



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