



# NetCommWireless

**Bigpond Mobile Broadband Setup Guide**  
(NF3ADV)

## **Configuring NF3ADV for a Mobile Broadband Connection**

Ensure that your USB Mobile Broadband modem is compatible with the NF3ADV by checking the compatibility list at:

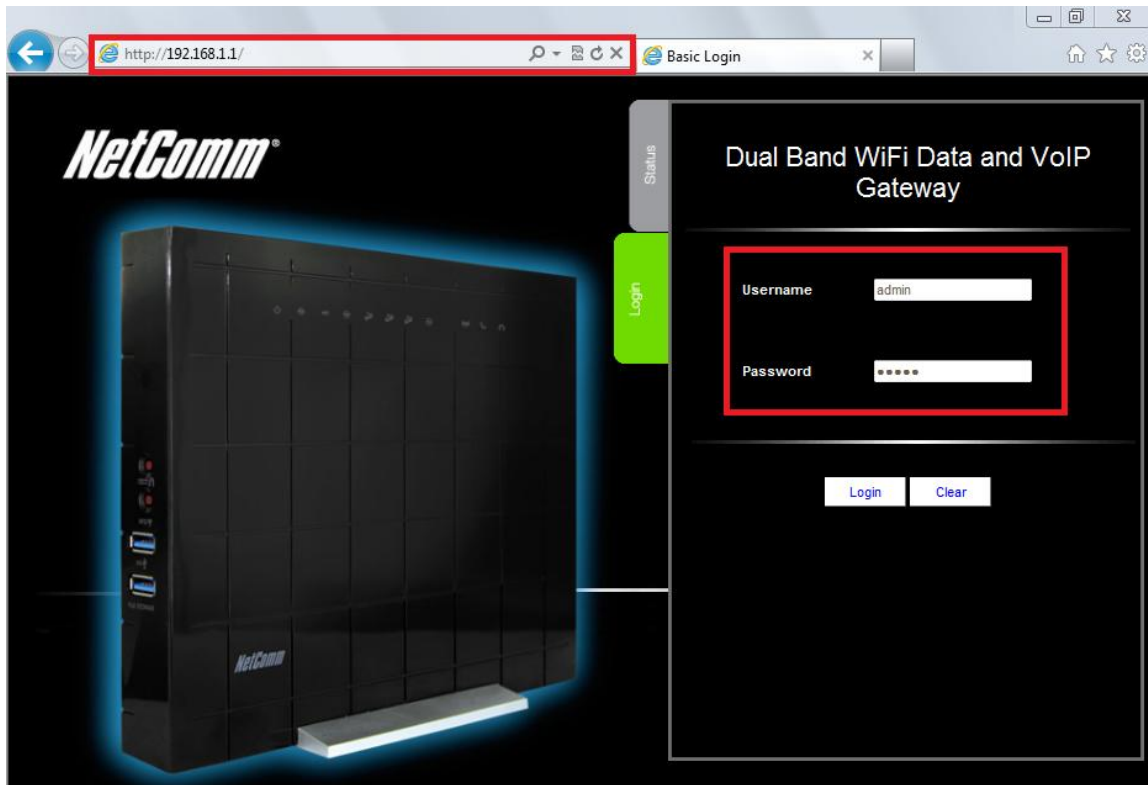
<http://media.netcomm.com.au/public/assets/file/0004/33673/3G-Compatibility-List.pdf>

Ensure that your USB Mobile Broadband modem is working by testing it directly on your computer before plugging it in to the NF3ADV and proceeding with this guide.

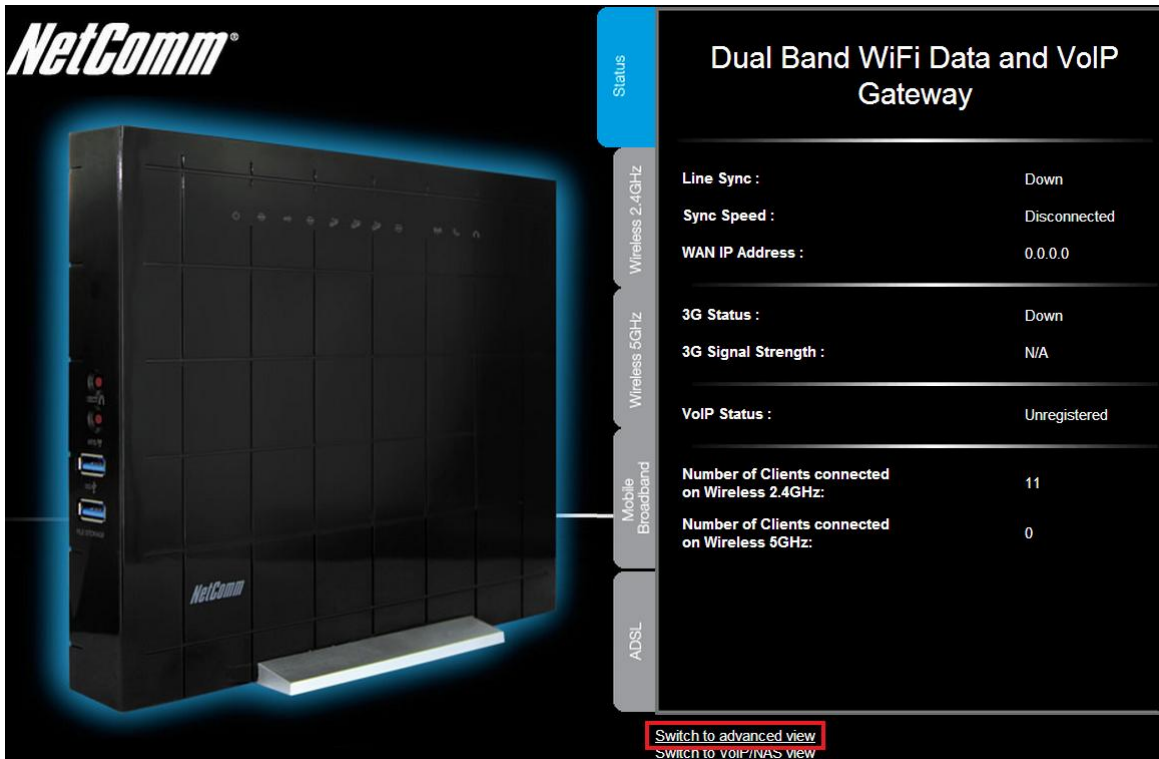
Note the LED indicators related to the mobile broadband and their meanings.

<b>LED Indicator</b>	<b>Colour</b>	<b>Meaning</b>
3G	Off	3G/4G not configured (no dongle connected)
	Blue	The NF3ADV is connected to the Internet via a 3G/4G service
	Blue Flashing	The NF3ADV is attempting to connect to the 3G/4G service
WWW	Off	No Internet configuration present
	Red	The NF3ADV is connected via a 3G service
	Red Flashing	Data is being sent or received via the 3G service

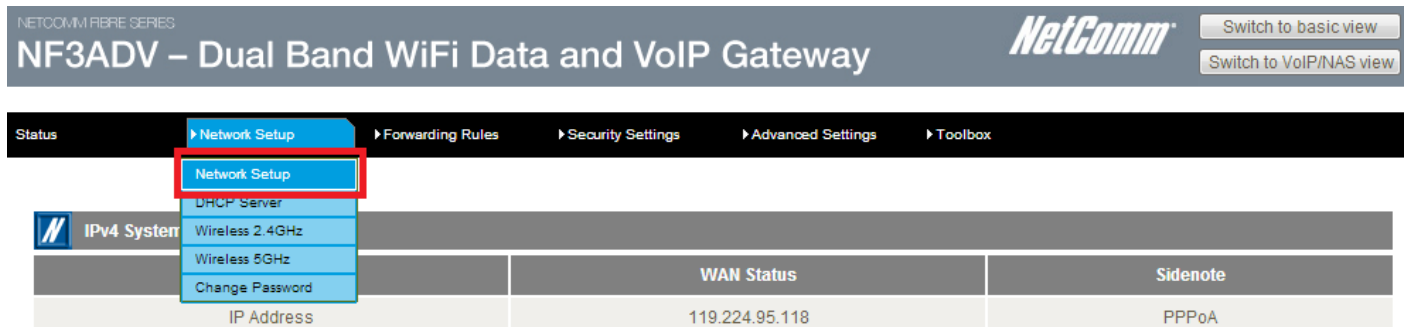
1. Navigate to <http://192.168.1.1> in a web browser using **admin** as both the username and password to login to the router.



2. Click the **Switch to advanced view** to open the advanced view of the configuration page.



3. Select the **Network Setup** menu then click the **Network Setup** option.



4. Select the **Wireless WAN** as the WAN Interface. The Wireless WAN option makes use of the mobile broadband dongle connected to the NF3ADV.

For steps 5-20, please refer to the image **BigpondSettings** in the next page.

5. In the **Country** field, select the country you are in. (e.g. Australia)
6. In the **Service Provider** field, select **Bigpond**. The APN field will automatically populate itself.
7. In the **APN** field, ensure that **Telstra.bigpond** is typed.
8. Keep the **PIN** field blank unless instructed by Bigpond.
9. In the **Dialed Number** field, type in **\*99#**
10. In the **Username** field, type in your Bigpond e-mail address. (e.g. *abc@bigpond.com*)
11. In the **Password** field, type in the password for your Bigpond account.
12. In the **Authentication Type** field, select **Auto**.
13. Keep the **Primary DNS** and **Secondary DNS** fields blank unless otherwise stated by Bigpond.
14. In the **Connection Control** field, select **Auto Reconnect (always-on)**.
15. In the **Allowed Connection Type**, select **Always**.
16. In the **MTU** field, type in **0**.
17. In the **Keep Alive** field, select **Disable**.
18. In the **Multicast** field, select **Disable**.
19. In the **IGMP Snooping** field, tick Enable.
20. Click on the **Save** button.

Status

▶ Network Setup

▶ Forwarding Rules

▶ Security Settings

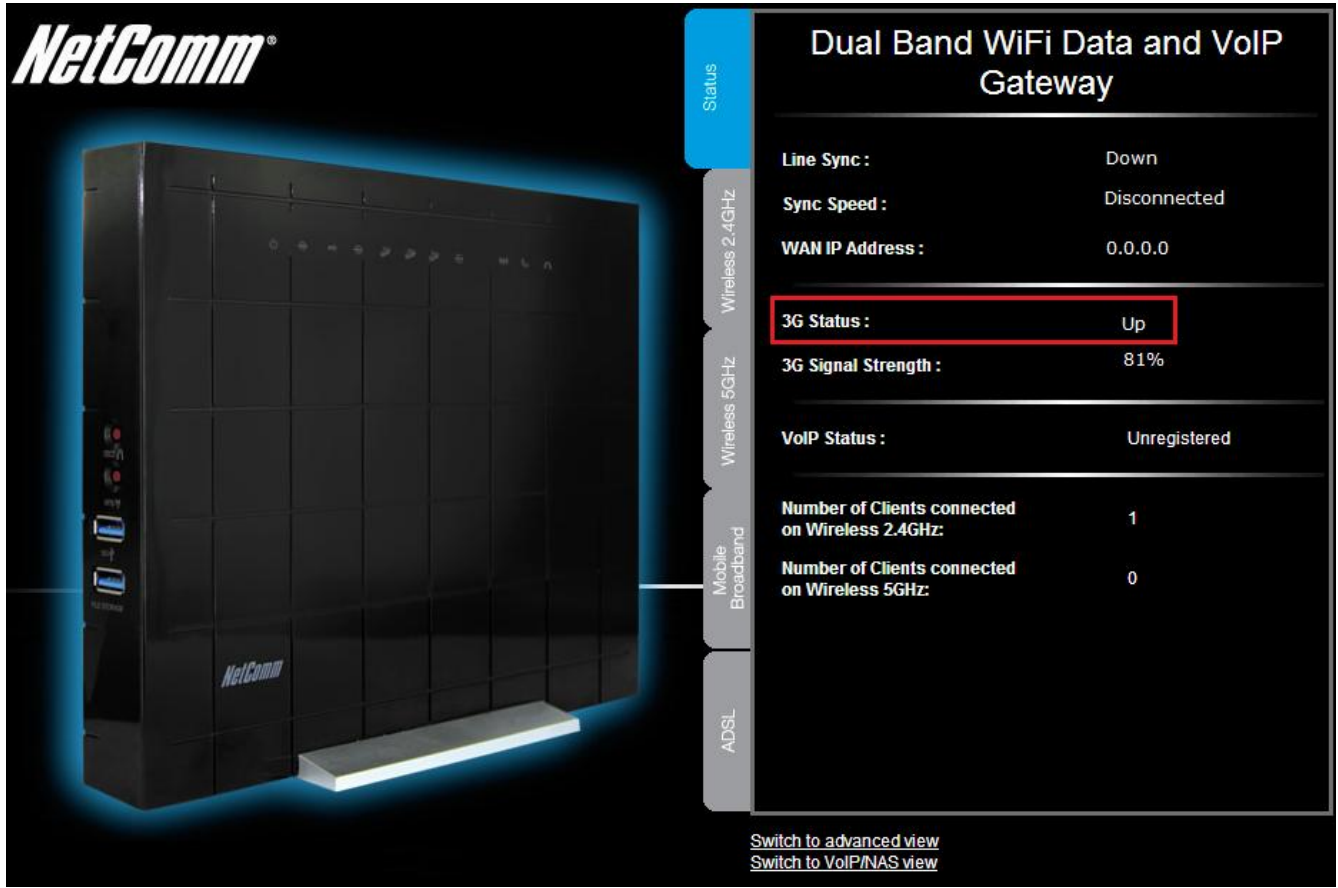
▶ Advanced Settings

▶ Toolbox

Item	Setting
WAN Interface	Wireless WAN ▼
Country	Australia ▼
Service Provider	Bigpond ▼
APN	Telstra.bigpond
PIN Code	<input type="text"/> (optional)
Dial Number	*99#
Username	abc@bigpond.com (optional)
Password	..... (optional)
Authentication Type	<input checked="" type="radio"/> Auto <input type="radio"/> PAP <input type="radio"/> CHAP
Primary DNS	<input type="text"/> (optional)
Secondary DNS	<input type="text"/> (optional)
Connection Control	Auto Reconnect (always-on) ▼
Allowed Connection Time	<input checked="" type="radio"/> Always <input type="radio"/> By Schedule
MTU	<input type="text"/> 0 (0 is auto)
Keep Alive	<input checked="" type="radio"/> Disable <input type="radio"/> LCP Echo Request Interval <input type="text"/> 10 seconds Max. Failure Time <input type="text"/> 3 times <input type="radio"/> Ping Remote Host Host IP <input type="text"/> Interval <input type="text"/> 60 seconds
Multicast	Disable ▼
IGMP Snooping	<input checked="" type="checkbox"/> Enable

*BigpondSettings*

21. The *Status* tab in the *Basic View* should show that the *3G Status* is **Up** once it connects.



The screenshot displays the status page for a NetComm Dual Band WiFi Data and VoIP Gateway. On the left is a photograph of the device, a black rectangular unit with a glowing blue light strip at the bottom. The right side shows a web interface with a sidebar menu and a main content area. The sidebar menu includes 'Status' (highlighted in blue), 'Wireless 2.4GHz', 'Wireless 5GHz', 'Mobile Broadband', and 'ADSL'. The main content area is titled 'Dual Band WiFi Data and VoIP Gateway' and contains the following status information:

Line Sync :	Down
Sync Speed :	Disconnected
WAN IP Address :	0.0.0.0
<b>3G Status :</b>	<b>Up</b>
3G Signal Strength :	81%
VoIP Status :	Unregistered
Number of Clients connected on Wireless 2.4GHz:	1
Number of Clients connected on Wireless 5GHz:	0

At the bottom of the interface, there are two links: [Switch to advanced view](#) and [Switch to VoIP/NAS view](#).