



NetCommWireless

Bigpond Mobile Broadband Setup Guide
(NB16WV)

Configuring NB16WV for a Mobile Broadband Connection

Ensure that your USB Mobile Broadband modem is compatible with the NB16WV 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 NB16WV and proceeding with this guide.

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

LED Indicator	Colour	Meaning
3G	Off	No 3G configuration present (or no 3G dongle plugged in)
	Red	SIM Error
	Red Flashing	3G connection failed - Retrying
	Blue	The NB16WV is connected to the Internet via a 3G service
	Blue Flashing	The NB16WV is attempting to connect to the 3G service
WWW	Off	No Internet configuration present
	Red	The NB16WV is connected via a 3G service
	Red Flashing	Data is being sent or received via the 3G service

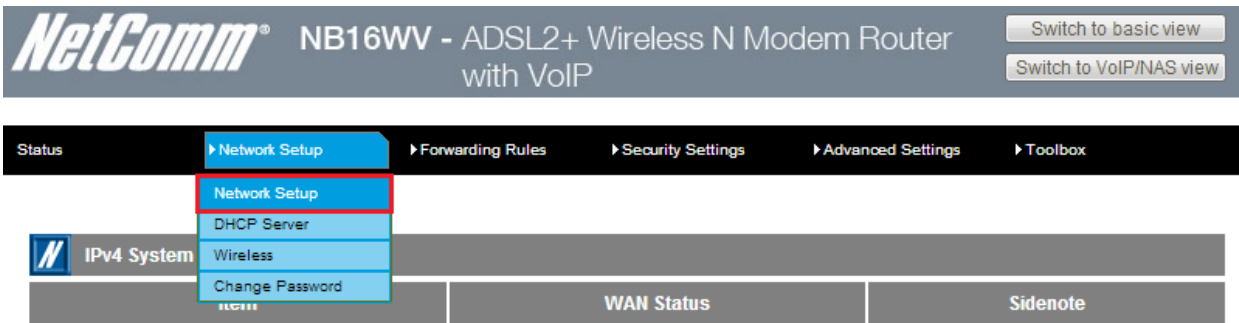
1. Navigate to <http://192.168.1.1> in a web browser using **admin** as both the username and password to login to the router.



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 NB16WV.

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.



NB16WV - ADSL2+ Wireless N Modem Router with VoIP

[Switch to basic view](#)[Switch to VoIP/NAS view](#)[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	0 (0 is auto)
Keep Alive	<input checked="" type="radio"/> Disable <input type="radio"/> LCP Echo Request Interval <input type="text" value="10"/> seconds Max. Failure Time <input type="text" value="3"/> times <input type="radio"/> Ping Remote Host Host IP <input type="text"/> Interval <input type="text" value="60"/> seconds
Multicast	Disable ▾
IGMP Snooping	<input checked="" type="checkbox"/> Enable
<div>Save Undo</div>	

BigpondSettings

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



Status

Wireless

Mobile Broadband

ADSL

ADSL2+ Wireless N Modem Router with VoIP

Line Sync :Down

Sync Speed :Disconnected

WAN IP Address :0.0.0.0

3G Status :Up

3G Signal Strength :71%

VoIP Status :Unregistered

[Switch to advanced view](#)

[Switch to VoIP/NAS view](#)