NetCommWireless

Bigpond Mobile Broadband Setup Guide
(NB16WV-02)

Configuring NB16WV-02 for a Mobile Broadband Connection

Ensure that your USB Mobile Broadband modem is compatible with the NB16WV-02 by checking the compatibility list at:
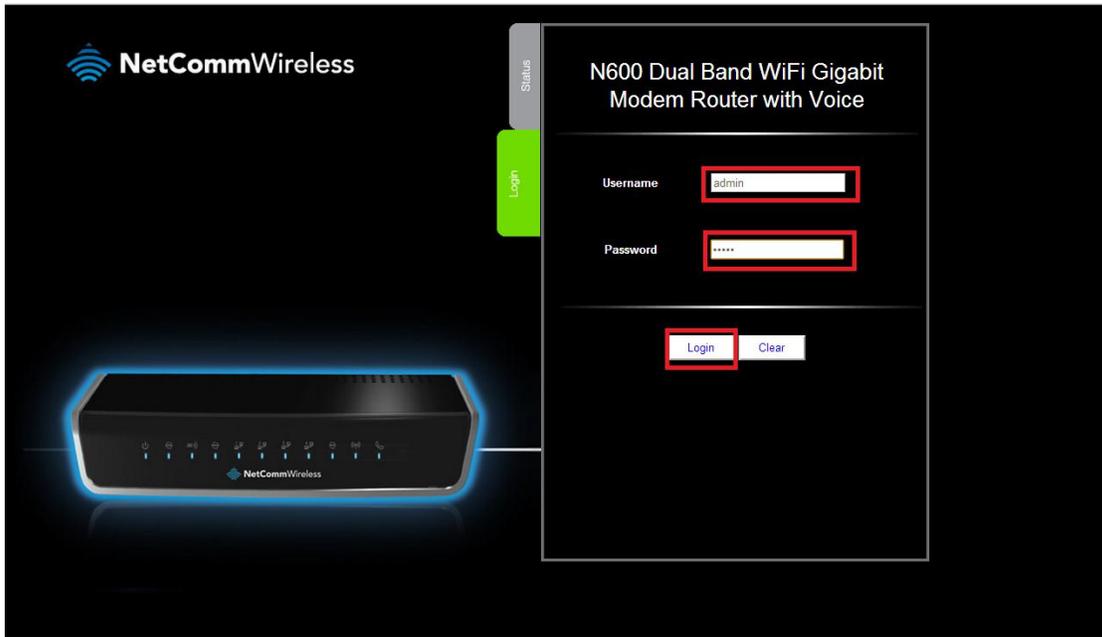
http://media.netcomm.com.au/public/assets/file/0004/33673/3G-Compatibility-List.pdf

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.

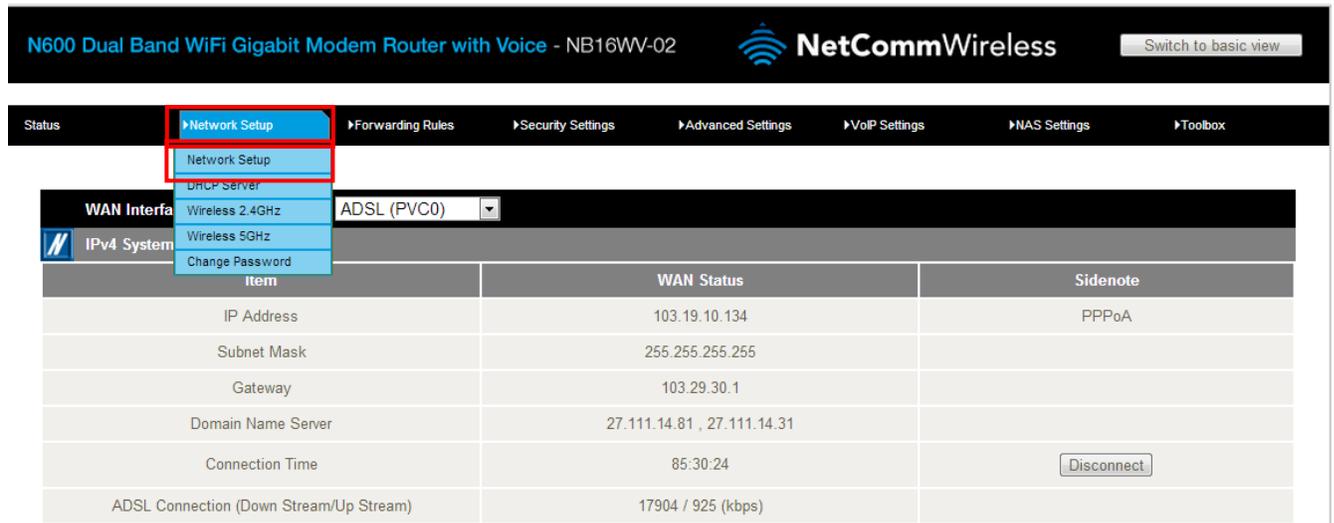| LED Indicator	Colour	Meaning
3G	Off	No 3G/4G configuration present (or no 3G/4G dongle plugged in)
	Red	SIM Error
	Red Flashing	3G/4G connection failed - Retrying
	Blue	The NB16WV-02 is connected to the Internet via a 3G/4G service
	Blue Flashing	The NB16WV-02 is attempting to connect to the 3G/4G service
WWW	Off	No Internet configuration present
	Red	The NB16WV-02 is connected via a 3G service
	Red Flashing	Data is being sent or received via the 3G service

1. Navigate to http://192.168.20.1 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-02.

*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.

Item	Setting
WAN Interface	Mobile Broadband ▾ ◉ Active ○ Inactive
Country	Australia ▾
Service Provider	Bigpond ▾
APN	Telstra.bigpond
PIN Code	[ ] (optional)
Dial Number	*99#
Username	[ ] (optional)
Password	[ ] (optional)
Authentication Type	◉ Auto ○ PAP ○ CHAP
Primary DNS	[ ] (optional)
Secondary DNS	[ ] (optional)
Allowed Connection Time	◉ Always ○ By Schedule
MTU	1500 (0 is auto)
Keep Alive	◉ Disable ○ LCP Echo Request Interval 10 seconds Max. Failure Time 3 times ○ Ping Remote Host Host IP [ ] Interval 60 seconds
Multicast	Disable ▾
IGMP Snooping	☑ Enable
	Save Undo

BigpondSettings

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

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

Status

Wireless

Mobile Broadband

ADSL

Switch to advanced view
Switch to VoIP/NAS view