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**Bigpond 3G Connection Guide**

(3GT1Wn)

## **Bigpond 3G Connection Guide**

This guide has been produced as the recommended method for connecting to the internet using a Bigpond Maxon BP3-EXT USB dongle as the 3G modem with the Netcomm 3GT1Wn as the 3G router.

### **Step 1 – Check/ Upgrade 3GT1Wn firmware version.**

1. Before continuing please ensure you have the latest firmware onboard the 3GT1Wn by checking the latest firmware version available from the Netcomm website at:  
[http://www.netcomm.com.au/asset-listings/firmware-listing?firmware\\_id=33136](http://www.netcomm.com.au/asset-listings/firmware-listing?firmware_id=33136)
2. To check the current firmware installed on the 3GT1Wn complete the following:
  - Navigate to <http://192.168.20.1> in a web browser using “admin” as both the username and password to login to the router.
  - Select the **Status** menu option and look for the **Firmware Version** listed under System Info.

The screenshot shows the NetComm 3G Travel Router t1 web interface. The top navigation bar includes: Status, Internet Settings, Wireless Settings, Firewall, and Administration. Below this, there are tabs for All Status, WAN, PPPoE, and PPTP. The main content area is divided into sections: System Info, Local Network, and WWAN (3G). In the System Info section, the Firmware Version is listed as 1.0.41.0 (Oct 12 2010) and is highlighted with a red box. The Local Network section shows Local IP Address: 192.168.20.1, Local Netmask: 255.255.255.0, and MAC Address: 00:1D:85:DE:AD:00. The WWAN (3G) section shows Operation Mode: AlwaysOn and a table for the usb0 interface.

System Info			
Firmware Version	1.0.41.0 (Oct 12 2010)		
System Up Time	01 : 30 : 41		
Operation Mode	Gateway Mode		
Local Network			
Local IP Address	192.168.20.1		
Local Netmask	255.255.255.0		
MAC Address	00:1D:85:DE:AD:00		
WWAN (3G)			
Operation Mode	AlwaysOn		
Interface	Status	Local	Remote
usb0	Up	114.113.112.111	10.64.64.64

- If the firmware version listed in the 3GT1Wn interface is older than that listed on the Netcomm website upgrade the firmware. Ensure the 3G modem is unplugged when you perform the

- firmware upgrade and download the firmware using an ethernet cable connection.
  - Follow the firmware upgrade instructions at the link in step 1 to complete the firmware upgrade.
3. After upgrading the firmware perform a factory reset by inserting a paperclip into the reset pinhole of the router for 20 seconds.

**Step 2 – Connect the Bigpond 3G modem to your Computer/Laptop.**

1. Once the router is reset to factory defaults with the latest firmware installed plug the Bigpond Maxon BP3-EXT USB dongle into your computer or laptop and connect to the internet using the Bigpond connection manager application.
2. Once the 3G modem is connected to the internet unplug it from the computer or laptop and plug it into 3GT1Wn router. [Do not select Disconnect in the 3G modem connection manager application]

**Step 3 – Connect to the Internet via the 3GT1Wn router .**

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. Select **Internet Settings > 3G Internet Settings**.
3. Continue on the next page.

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**3G Travel Router t1**

Status ▶ Internet Settings ▶ Wireless Settings ▶ Firewall ▶ Administration

Internet Settings > 3G Internet Settings

### WWAN (3G) Settings

This page allows you to setup your WWAN (Wireless Wide Area Network) connection. Enter the relevant settings as provided by your 3G provider.

The unit will default to 'Auto APN Select Mode' if the APN field is blank. You may need to check the APN that is displayed on the Status page while the unit is connecting. If the default APN does not match your SIM account, then you will need to type in the correct APN manually or choose one from the drop down list below.

Auto-APN	<input type="text" value="Disable"/>		
APN	<input type="text" value="telstra.bigpond"/>	<input type="text" value="Australia"/>	<a href="#">Choose an APN here</a>
Dial	<input type="text"/> (default *99#)		
Authentication Type	<input type="text" value="CHAP"/>		
User Name	<input type="text" value="abc@bigpond.com"/>		
Password	<input type="password" value="....."/>		
Verify Password	<input type="password" value="....."/>		
3G NAT	<input type="text" value="Enable"/>		
Interface Metric	<input type="text"/>		
Operation Mode	<input type="text" value="OFF"/>		
	Always On Mode: Redial Period <input type="text" value="60"/> seconds		

4. Set **Auto-APN** to Disable.
5. Enter telstra.bigpond as the **APN**.
6. Enter your Bigpond Username (eg. [abc@bigpond.com](mailto:abc@bigpond.com)) into the **Username** field.
7. Enter your Bigpond Password into the **Password** field and once again into the **Verify Password** field.
8. Press **Apply**.
9. Return to the **Status** page and confirm that the connection status changes to Up.

Once the WWAN (3G) status shows "Up" the 3GT1Wn router should then be connected to the internet.

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[Status](#)   [Login](#)   [Log](#)

**All Status**   WAN   PPPoE   PPTP

// **System Info**

Firmware Version	1.0.41.0 (Oct 12 2010)
System Up Time	01 : 55 : 16
Operation Mode	Gateway Mode

// **Local Network**

Local IP Address	192.168.20.1
Local Netmask	255.255.255.0
MAC Address	00:1D:85:DE:AD:00

// **WWAN (3G)**

Operation Mode	AlwaysOn
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Interface	Status	Local	Remote
usb0	Up	114.113.112.111	10.64.64.64

// **Connection Status**

Module Name	USB308
Provider	Rhyan Telecom
APN	rhyan.connect
Service Type	HSPA++
Coverage	N/A
IMEI	3456547898876
Frequency	2100
Signal Strength (dBm)	-61 dBm (super strong)
SIM Status	SIM OK

// **Ethernet Port Status**