

# NBN connection Via DSL Port

Application: FTTN/FTTB  
Connection Type  
WAN Port: DSL  
WAN Type: PPPoE

You need a RJ 11 cable to connect your modem/router.

Access your router's user interface via LAN

You need an Ethernet cable; one end of the cable connects to one of your router's LAN port and the other end of the cable connects to your PC/Notebook's Ethernet port.

Access your router's user interface via Wireless LAN (WiFi)

Your PC or notebook must have WiFi function. Search for your router's WiFi signal wlan-ap-5g/2.4g from your computer and connect.

Open your web browser -> Enter <http://192.168.1.254>

Type the default username and password: admin/admin

Configuration -> WAN -> WAN Service -> Add

**BILLION** Triple WAN ADSL2+ Firewall Router Powering communications with Security

Configuration

WAN Service

ATM Interface												
Interface	Description	Type	VPI / VCI	Vlan8021p	VlanMuxld	Igmp	NAT	Firewall	IPv6	Mld	Remove	Edit
ppp0.1	pppoe_0_8_35	PPPoE	8 / 35	N/A	N/A	Disabled	Enabled	Enabled	Enabled	Disabled	<input type="checkbox"/>	Edit

PTM Interface											
Interface	Description	Type	Vlan8021p	VlanMuxld	Igmp	NAT	Firewall	IPv6	Mld	Remove	Edit
ppp1.1	pppoe_0_1_1	PPPoE	N/A	N/A	Disabled	Enabled	Enabled	Enabled	Disabled	<input type="checkbox"/>	Edit

ETH Interface											
Interface	Description	Type	Vlan8021p	VlanMuxld	Igmp	NAT	Firewall	IPv6	Mld	Remove	Edit
eth4.1	ipoe_eth4	IPoE	N/A	N/A	Disabled	Enabled	Enabled	Enabled	Disabled	<input type="checkbox"/>	Edit

3G/4G/LTE Interface								
Interface	Description	TEL No.	APN	Username	NAT	Firewall	Dial on demand	Edit
3G/4G LTE		*99***1#	vinternet.au		Enabled	Enabled	Disabled	Edit

WAN Service -> parameters

WAN Port: DSL

WAN Type: PPPoE

The screenshot shows the configuration page for the WAN Service. The left sidebar contains a navigation menu with options like Status, Quick Start, Configuration, LAN, Wireless 5G, Wireless 2.4G, WAN, WAN Service, Failover, IPTV Applications, DSL, SNR, System, USB, IP Tunnel, Security, Quality of Service, NAT, Wake On LAN, VOIP, Advanced Setup, and Support. The main configuration area is titled 'WAN Service' and includes a 'Parameters' section with the following settings: WAN Port (DSL), Layer2 Interface (PTM (VDSL)), Type (PPP over Ethernet (PPPoE)), Description, 802.1P Priority (0), 802.1Q VLAN ID (2), Username (provided by your ISP), Password (masked), Service Name, Authentication Method (AUTO), NAT (checked), IPv4 Address (Static), Dial on demand (unchecked), IPv6 for this service (checked), IPv6 Address (Static), MTU (1492), PPPoE with Pass-through (unchecked), IGMP Multicast Proxy (unchecked), MLD Multicast Proxy (unchecked), Firewall (checked), Fullcone NAT (unchecked), IP Address, Inactivity Timeout (minutes) [1-4320], IP Address, IGMP Multicast Source (unchecked), and MLD Multicast Source (unchecked). A red box highlights the 'Parameters' section, and another red box highlights the '802.1Q VLAN ID' field. A red text annotation reads 'VLAN ID Tagging: subject to your ISP's requirements'. A 'Next' button is located at the bottom left of the configuration area.

Press Next

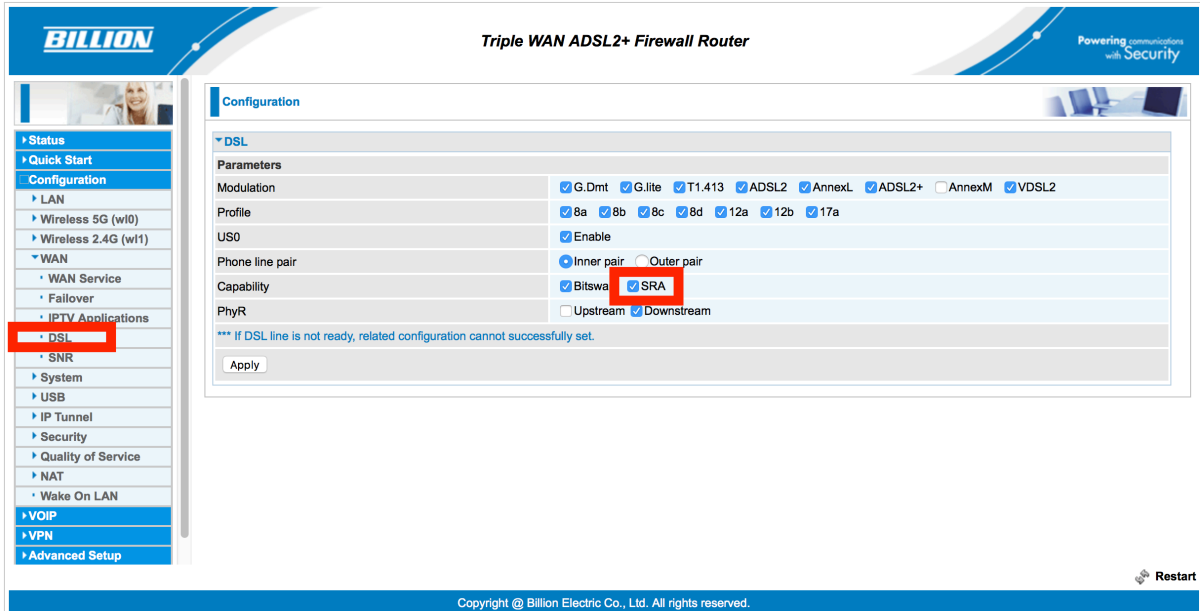
Please let ppp1.1 as Default Gateway Interface

The screenshot shows the configuration page for the Default Gateway / DNS settings. The left sidebar is the same as in the previous screenshot. The main configuration area is titled 'Default Gateway / DNS' and includes the following settings: Default Gateway, Selected Default Gateway Interfaces (ppp1.1), Available Routed WAN Interfaces (pppoe\_0\_8\_35/ppp0.1, 3G/4G LTE), Selected WAN Interface As The System Default IPv6 Gateway (pppoe\_0\_1\_1/ppp1.1), DNS, DNS Server Interface (Available WAN Interfaces, Static DNS Address, Parent Controls), Selected DNS Server Interfaces (ppp1.1), and Available WAN Interfaces (pppoe\_0\_8\_35/ppp0.1). Red boxes highlight the 'Selected Default Gateway Interfaces' and 'Selected DNS Server Interfaces' fields.

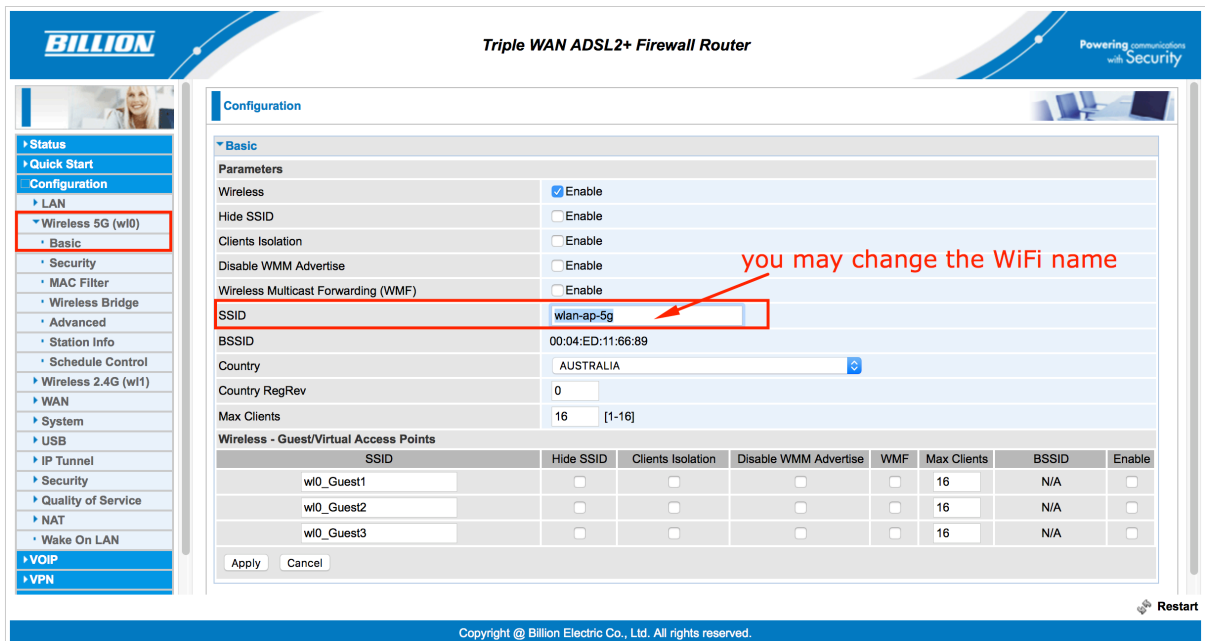
If you have IPV6, please select pppoe\_0\_1\_1/ppp1.1 as DNS Server Interface and WAN Interface

The screenshot shows a close-up of the 'Selected WAN Interface As The System Default IPv6 Gateway' dropdown menu, which is set to 'pppoe\_0\_1\_1/ppp1.1'.

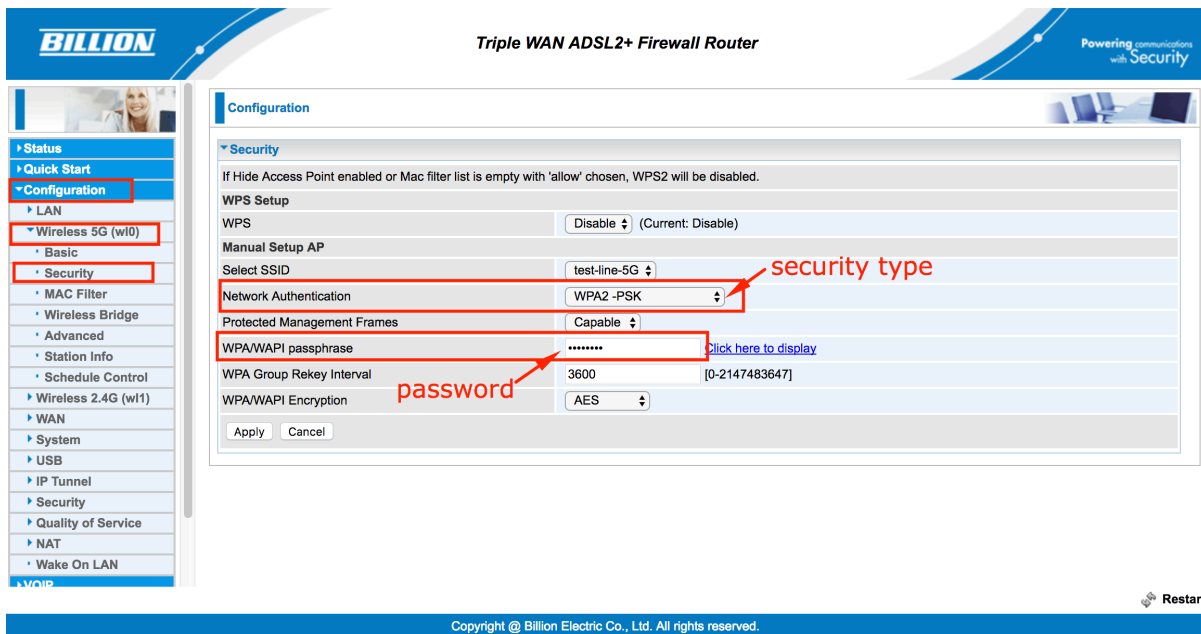
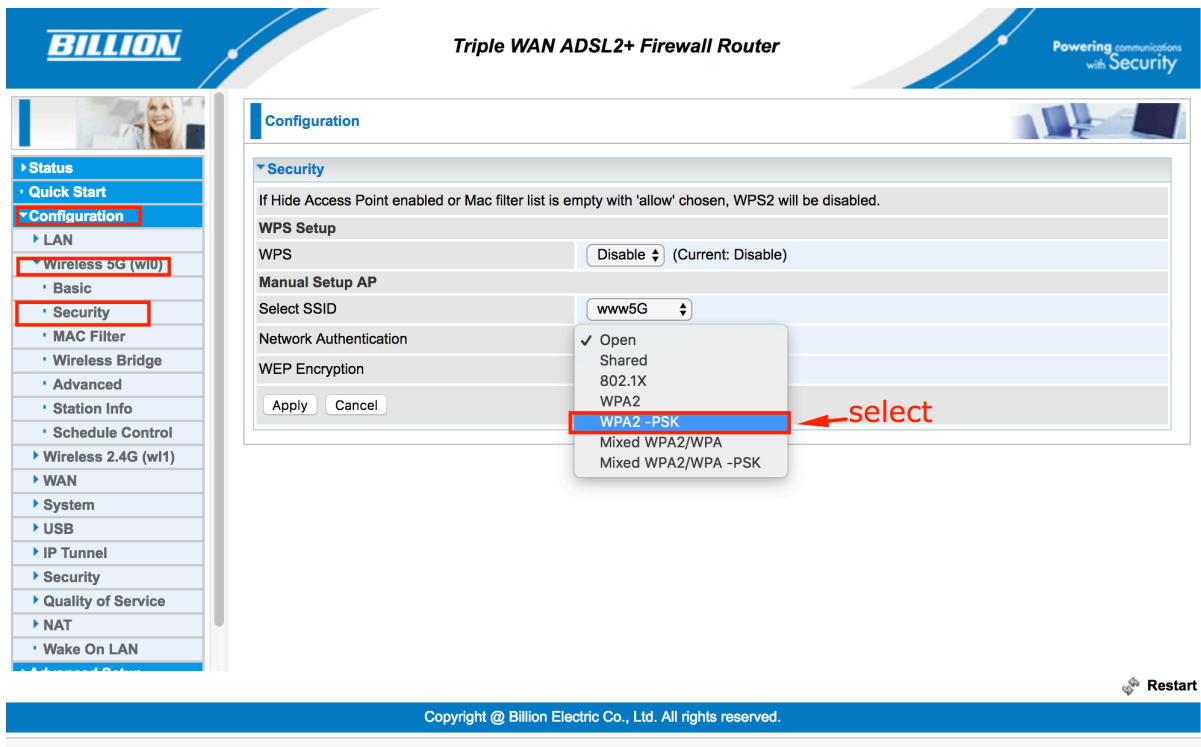
Configuration ->WAN ->DSL ->Enable SRA ->Apply  
 Seamless rate adaptation may be enabled to allow modem to make seamless data transfer rate changes to avoid dropping internet connection.



Set up your WiFi  
 Configuration -> Wireless 5G ->Basic ->SSID: change your WiFi name



Configuration -> Wireless 5G -> Security -> WPA/WAPI passphrase: change your password



Configuration -> Wireless 2.4G ->Basic ->SSID: change your WiFi name

Configuration -> Wireless 2.4G -> Security -> WPA/WAPI passphrase: change your password

Now, you can see your connection on Status page: Status -> Statistics ->xDSL  
 Status -> WAN

The screenshot shows the 'Status' page of a Billion Triple WAN ADSL2+ Firewall Router. The left sidebar has 'Statistics' and 'xDSL' highlighted. The main content area shows the 'xDSL' status:

Mode	VDSL2
Traffic Type	PTM
Status	Up
Link Power State	L0

	Downstream	Upstream
Line Coding (Trellis)	On	On
SNR Margin (dB)	13.6	6.8
Attenuation (dB)	2.2	0.0
Output Power (dBm)	11.8	11.6

← → ↻ 192.168.1.254 ☆ 🌐 ⋮

The screenshot shows the 'Status' page of the Billion Triple WAN ADSL2+ Firewall Router. The left sidebar has 'WAN' highlighted. The main content area shows the 'WAN' status:

Interface	Description	Type	Status	Connection Time	IPv4 Address	IPv6 Address	DNS
ppp1.1	pppoe_0_1_1	PPPoE	Disconnect	00:01:34	125.168.201.176		203.
eth4.1	ipoe_eth4	IPoE	Unconfigured				
3G/4G LTE			3G/4G/LTE Card not found				

Your internet is connected,  
press "Disconnect" for disconnecting your internet

Restart

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You can now open your web browser to check the internet connection.

VLAN ID Tagging: subject to your ISP's requirements

For example, Telstra and DoDo require VLAN ID tagging (100), 802.1p priority (0)

TPG requires VLAN ID tagging (2 or 1), and 802.1p priority (0)

Note: adding another set of VLAN ID, please go to Configuration ->WAN -> WAN Service-> Add

Parameters ->WAN Port->IP over Ethernet -> add another set of VLAN ID required by your ISP ->Next ->Next

Special setting maybe required by different nbn retail service providers.

Please obtain the setting details from your service providers.

For example:

WAN Port: DSL or Ethernet

WAN Type: PPPOE, IPOE, PPPOA, IPOA, or Bridging,

Encapsulation/Connection Type/Mode/WAN Type: LLC/SNAP or VC/MUS

Authentication Method: PAP, CHAP, MSCHAP, Or Auto

VDSL Profile: 17a

VLAN Mode: enable

VLAN ID: 1 or 2 or100 or un-tagging

802.1p Priority: 0 or 6 or un-tagging

NAT: enable or disable

Username/Password

DNS Server Address

Mac Spoofing, Mac address