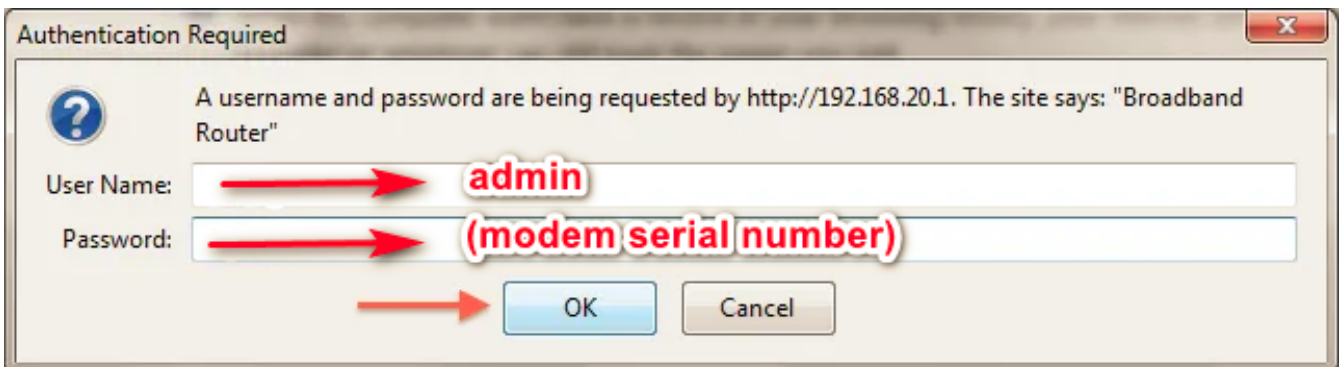


# Setting up NBN Connection with Netcomm NL1901ACV

Normally, when you switch from Wireless broadband to NBN using NL1901ACV modem, we'll set up everything for you. In case you are setting up the connection on your own, here are the steps on how you can manually configure the modem.

## Steps to Configure Netcomm NL190ACV

1. To access the modem's interface, please make sure your device is connected to the modem (wired or wireless) and enter **192.168.20.1** into the browser address bar.



2. At the login screen, enter "**admin**" in the Username field and the modem's serial number in the Password field, then click OK. The modem serial number, along with the admin login details, can be found on the bottom of the hardware.

3. Once logged in, you can proceed either of the following ways:

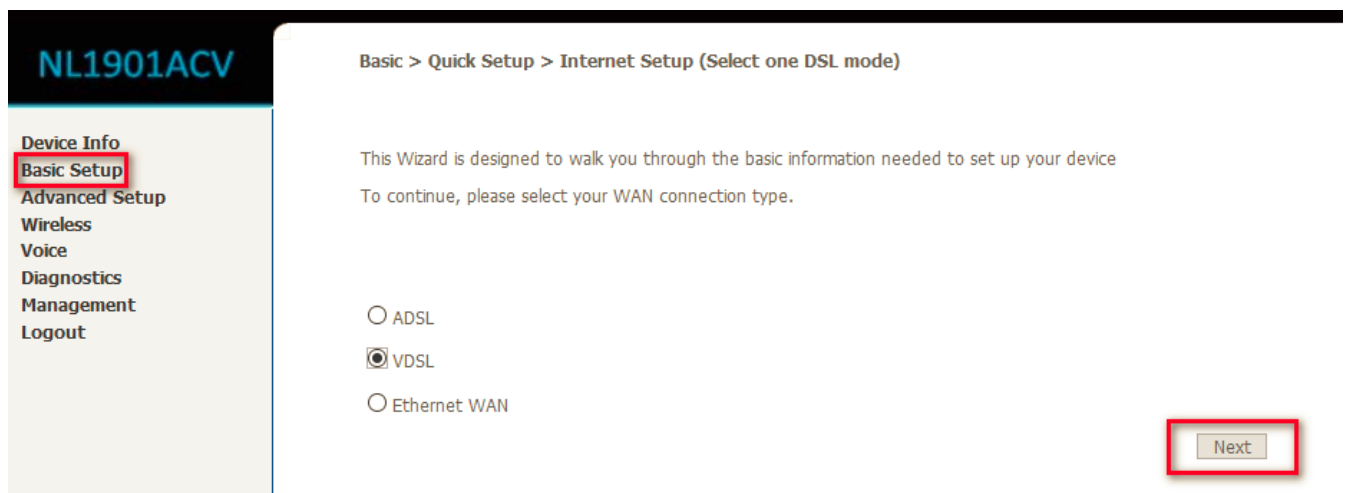
- Basic Setup

- Advanced Setup

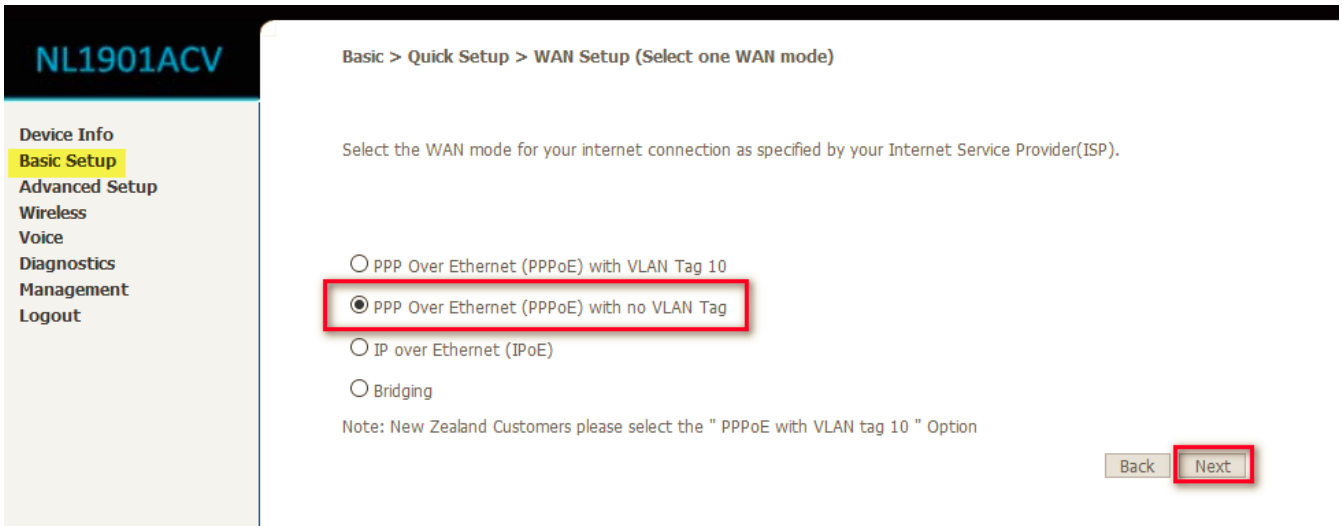
## Basic Setup

On the Basic Setup, select the WAN connection type according to your service:

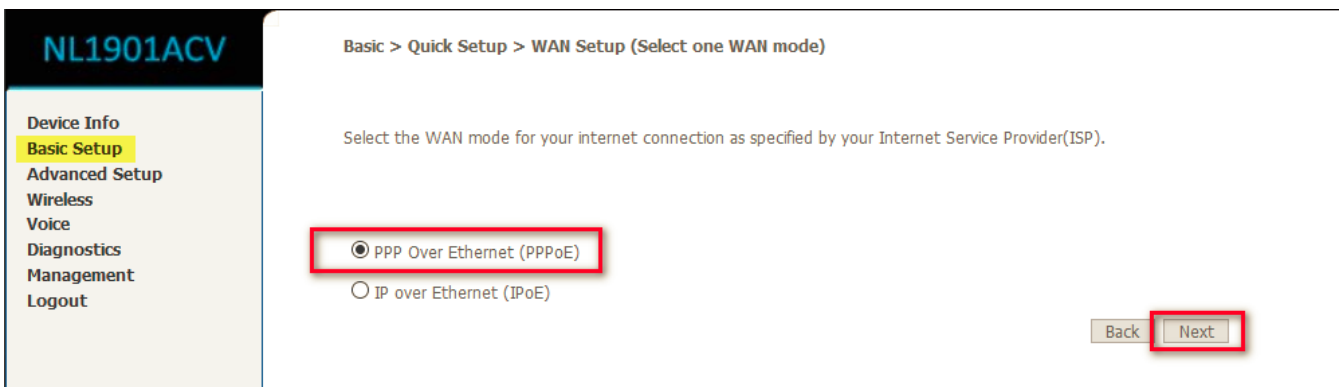
- **ADSL** - for ADSL service
- **VDSL** - for FTTN/B service
- **Ethernet WAN** - for FTTP, HFC, FTTC or Fixed Wireless service



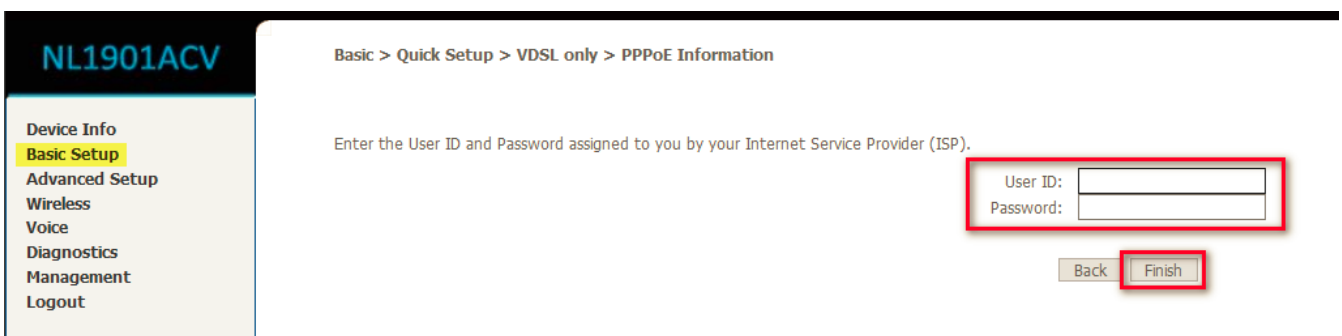
- For VDSL connection type, select **PPP over Ethernet (PPPoE) with no VLAN Tag** and hit **Next**.



- For Ethernet WAN connection type, simply select **PPP Over Ethernet (PPPoE)** and hit **Next** to proceed.

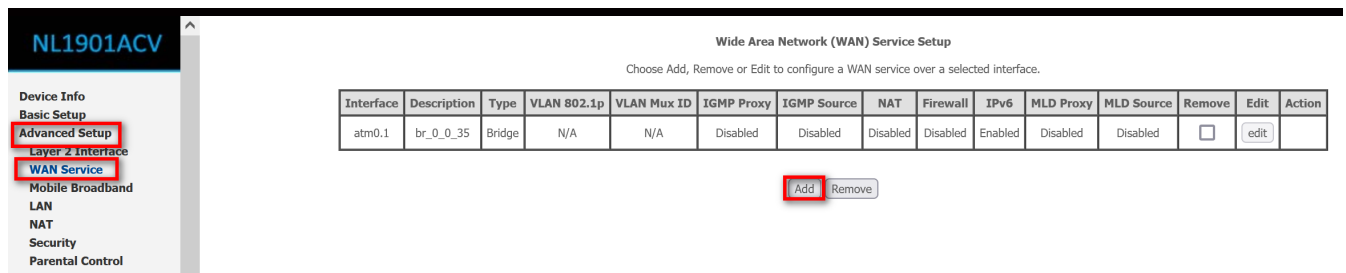


Enter the username and password provided to you (via email when the order is completed). Hit **Finish** and you're all set!



## Advanced Setup

1. From the Advanced Setup menu, select WAN service and click Add



Wide Area Network (WAN) Service Setup

Choose Add, Remove or Edit to configure a WAN service over a selected interface.

Interface	Description	Type	VLAN 802.1p	VLAN Mux ID	IGMP Proxy	IGMP Source	NAT	Firewall	IPv6	MLD Proxy	MLD Source	Remove	Edit	Action
atm0.1	br_0_0_35	Bridge	N/A	N/A	Disabled	Disabled	Disabled	Disabled	Enabled	Disabled	Disabled	<input type="checkbox"/>	<input type="button" value="edit"/>	

2. Select your preferred configuration, then click Next

### WAN Service Interface Configuration

Select a layer 2 interface for this service

Note: For ATM interface, the descriptor string is (portId\_vpi\_vci)

For PTM interface, the descriptor string is (portId\_high\_low)

Where portId=0 --> DSL Latency PATH0

portId=1 --> DSL Latency PATH1

portId=4 --> DSL Latency PATH0&1

low =0 --> Low PTM Priority not set

low =1 --> Low PTM Priority set

high =0 --> High PTM Priority not set

high =1 --> High PTM Priority set

atm0/(0\_0\_32) ▾

3. Select PPP over Ethernet (PPPoE) for the WAN service type, hit Next

### WAN Service Configuration

Select WAN service type:

- PPP over Ethernet (PPPoE)
- IP over Ethernet
- Bridging
- Allow as IGMP Multicast Source
- Allow as MLD Multicast Source

Enter Service Description:

For tagged service, enter valid 802.1P Priority and 802.1Q VLAN ID.  
For untagged service, set -1 to both 802.1P Priority and 802.1Q VLAN ID.

Enter 802.1P Priority [0-7]:

Enter 802.1Q VLAN ID [0-4094]:

Network Protocol Selection:

▼

4. Enter the username and password provided to you (via email when the order is completed).

### PPP Username and Password

PPP usually requires that you have a user name and password to establish your connection. In the boxes below, enter the user name and password that your ISP has provided to you.

PPP Username:

PPP Password:

Authentication Method:  ▼

MTU[576-1492]:

- Enable KeepAlive
- Dial on demand (with idle timeout timer)
- PPP IP extension
- Use Static IPv4 Address
- Enable PPP Debug Mode

### IGMP Multicast

- Enable IGMP Multicast Proxy
- Enable IGMP Multicast Source

5. Hit Next until you reach the Summary page. Click Apply/Save to complete!

### WAN Setup - Summary

Make sure that the settings below match the settings provided by your ISP.

<b>Connection Type:</b>	Bridge
<b>NAT:</b>	Disabled
<b>Full Cone NAT:</b>	Disabled
<b>Firewall:</b>	Disabled
<b>IGMP Multicast Proxy:</b>	Disabled
<b>IGMP Multicast Source Enabled:</b>	Disabled
<b>MLD Multicast Proxy:</b>	Disabled
<b>MLD Multicast Source Enabled:</b>	Disabled
<b>Quality Of Service:</b>	Disabled

Click "Apply/Save" to have this interface to be effective. Click "Back" to make any modifications.



*Wait 3-5 minutes for the modem to go online, then test the service. Reboot the modem if needed.*

Online URL:

<https://articles.spintel.net.au/article/setting-up-nbn-connection-with-netcomm-nl1901acv.html>