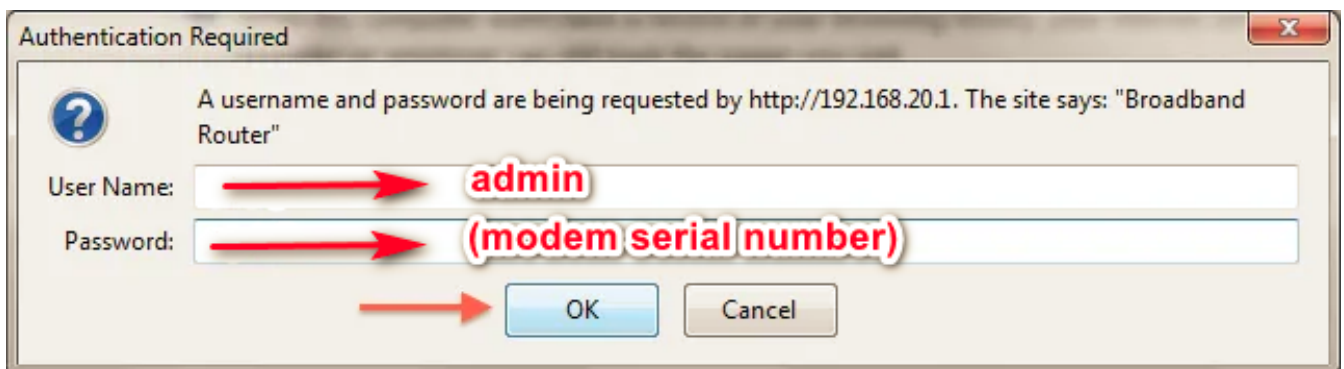


Setting up NBN Connection with Netcomm NL1901ACV

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

The screenshot shows the 'Basic Setup' wizard for the NL1901ACV device. The left sidebar contains a menu with 'Basic Setup' highlighted. The main content area is titled 'Basic > Quick Setup > Internet Setup (Select one DSL mode)'. It includes a description: 'This Wizard is designed to walk you through the basic information needed to set up your device. To continue, please select your WAN connection type.' Below this, there are three radio button options: 'ADSL', 'VDSL' (which is selected), and 'Ethernet WAN'. A 'Next' button is located at the bottom right of the main content area.

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

NL1901ACV

Device Info
Basic Setup
Advanced Setup
Wireless
Voice
Diagnostics
Management
Logout

Basic > Quick Setup > WAN Setup (Select one WAN mode)

Select the WAN mode for your internet connection as specified by your Internet Service Provider(ISP).

☐ PPP Over Ethernet (PPPoE) with VLAN Tag 10
☒ PPP Over Ethernet (PPPoE) with no VLAN Tag
☐ IP over Ethernet (IPoE)
☐ Bridging

Note: New Zealand Customers please select the " PPPoE with VLAN tag 10 " Option

Back Next

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

NL1901ACV

Device Info
Basic Setup
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Wireless
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Logout

Basic > Quick Setup > WAN Setup (Select one WAN mode)

Select the WAN mode for your internet connection as specified by your Internet Service Provider(ISP).

☒ PPP Over Ethernet (PPPoE)
☐ IP over Ethernet (IPoE)

Back Next

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

NL1901ACV

Device Info
Basic Setup
Advanced Setup
Wireless
Voice
Diagnostics
Management
Logout

Basic > Quick Setup > VDSL only > PPPoE Information

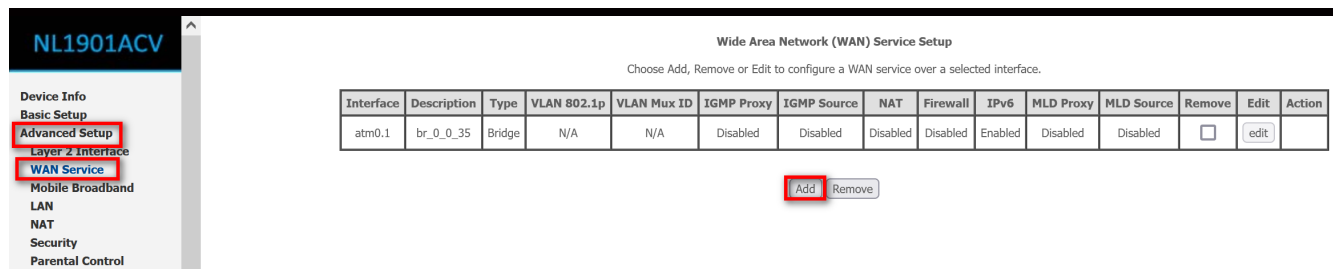
Enter the User ID and Password assigned to you by your Internet Service Provider (ISP).

User ID:
Password:

Back Finish

Advanced Setup

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



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) ▼

Back Next

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.

| | |
|--------------------------------|----------|
| Connection Type: | Bridge |
| NAT: | Disabled |
| Full Cone NAT: | Disabled |
| Firewall: | Disabled |
| IGMP Multicast Proxy: | Disabled |
| IGMP Multicast Source Enabled: | Disabled |
| MLD Multicast Proxy: | Disabled |
| MLD Multicast Source Enabled: | Disabled |
| Quality Of Service: | Disabled |

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

Back

Apply/Save

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>