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.

Authentication	Required		
?	A username and password are being requested by http://192.168.20.1. The site says: "Broadband Router"		
User Name:	admin		
Password:	(modem serial number)		
	OK Cancel		

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

NL1901ACV	Basic > Quick Setup > Internet Setup (Select one DSL mode)
Device Info Basic Setup Advanced Setup Wireless Voice Diagnostics Management	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.
Logout	© VDSL O Ethernet WAN

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

NL1901ACV	Basic > Quick Setup > WAN Setup (Select one WAN mode)		
Device Info Basic Setup Advanced Setup Wireless Voice	Select the WAN mode for your internet connection as specified by your Internet Service Provider(ISP).		
Diagnostics Management Logout	 PPP Over Ethernet (PPPoE) with VLAN Tag 10 PPP Over Ethernet (PPPoE) with no VLAN Tag 		
	O IP over Ethernet (IPoE)		
	O 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	Basic > Quick Setup > WAN Setup (Select one WAN mode)
Device Info Basic Setup Advanced Setup Wireless	Select the WAN mode for your internet connection as specified by your Internet Service Provider(ISP).
Voice Diagnostics Management Logout	PPP Over Ethernet (PPPoE) O 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	Basic > Quick Setup > VDSL only > PPPoE Information
Device Info Basic Setup Advanced Setup Wireless Voice Diagnostics Management Logout	Enter the User ID and Password assigned to you by your Internet Service Provider (ISP). User ID:

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



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: ADSL
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]: -1 Enter 802.1Q VLAN ID [0-4094]: -1
Network Protocal Selection:

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

Back Next

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:	
Authentication Method: AUTO	
MTU[576-1492]: 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	_
	Back

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