



VDSL2 / ADSL2+ Dual Band AC1600 Gigabit Gateway with VoIP



WELCOME

Thank you for choosing a NetComm Wireless VDSL2 / ADSL2+ Dual Band AC1600 Gigabit Gateway with VoIP (NF18ACV). This guide will help you set up, connect and configure your device quickly and easily.

PACKAGE CONTENTS

This package includes:



VDSL2/ADSL2+ Dual Band
AC1600 Gigabit Gateway
with VoIP
(NF18ACV)



RJ45
Ethernet cable



RJ11 Telephone cable



Power supply (12V/2A)



WiFi security card



Warranty card



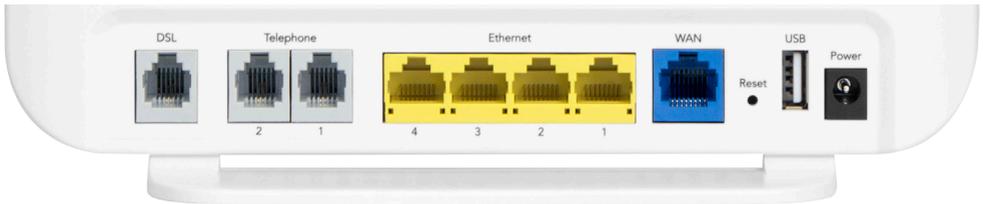
Quick Start Guide

PRE-REQUISITES

If you are using a voice service on the same line as the DSL service, you will need a DSL line filter for each handset or back-to-base home alarm system on the line. If you have a Naked DSL service, line filters are not required.

INSTALLING THE DEVICE

1. Connect the supplied RJ11 cable to the “modem” port of your DSL line filter and then connect the other end to the **DSL** port on the back of the NF18ACV. Connect the DSL line filter (not included) to the wall socket and then connect your handset to the “phone” port of the filter. If you have a Naked DSL service, simply connect the included RJ11 cable from the **DSL** port of the NF18ACV to the wall socket. If you have a VoIP service, connect your handset to one of the **Telephone** ports on the back of the router.
2. Connect the supplied RJ45 Ethernet cable from one of the yellow **Ethernet** ports (1-4) on the back of the NF18ACV to your computer.
3. Connect the included power adapter to the **Power** jack of the NF18ACV and then plug it into an available wall socket. Press the **ON/OFF** button to power the router on. The Power light illuminates in red. When the NF18ACV has finished booting up, the Power light turns green.



LOGGING IN TO THE WEB INTERFACE

1. Open a web browser (such as Internet Explorer®, Mozilla Firefox® or Google Chrome™), type **http://192.168.20.1** into the address bar and press **Enter**.
2. At the login screen, type **admin** into both the Username and the Password fields, then click the **OK** button.

CONFIGURING THE DEVICE FOR USE WITH AN INTERNET SERVICE

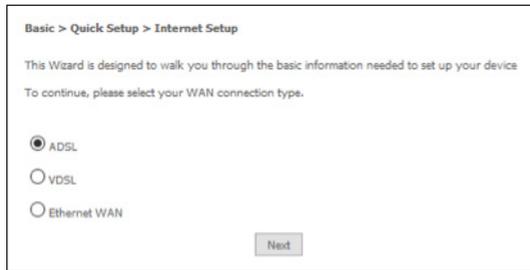
Click on the **Basic Setup** menu item on the left side of the screen.



Follow the instructions for your connection type.

ADSL

- a. Select **ADSL** and click the **Next** button.



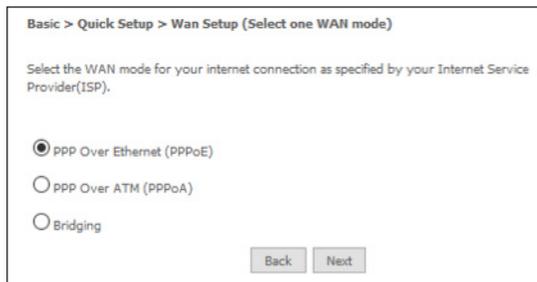
Basic > Quick Setup > Internet Setup

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.

ADSL
 VDSL
 Ethernet WAN

Next

- b. Select either the PPPoE, PPPoA or Bridging for your internet connection as specified by your Internet Service Provider (ISP). Click the **Next** button.



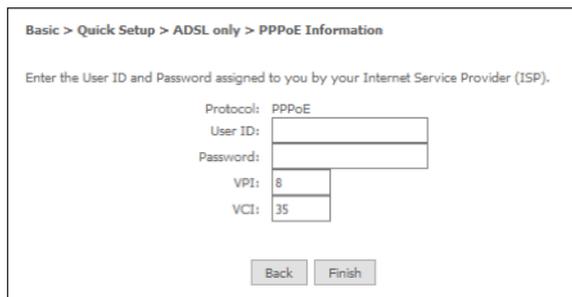
Basic > Quick Setup > Wan Setup (Select one WAN mode)

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

PPP Over Ethernet (PPPoE)
 PPP Over ATM (PPPoA)
 Bridging

Back Next

- c. In the **User ID** and **Password** fields, enter the username and password assigned to you by your Internet Service Provider (ISP). Click the **Finish** button.



Basic > Quick Setup > ADSL only > PPPoE Information

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

Protocol: PPPoE
User ID:
Password:
VPI:
VCI:

Back Finish

The account settings are saved and the NF18ACV connects to the internet.

VDSL

- a. Select **VDSL** and click the **Next** button.

Basic > Quick Setup > Internet Setup

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.

ADSL

VDSL

Ethernet WAN

- b. Select the WAN mode for your internet connection as specified by your Internet Service Provider (ISP). Click the **Next** button.

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

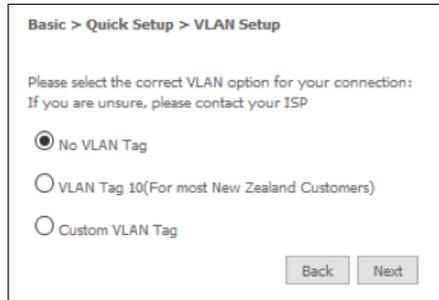
Select the WAN mode for your internet connection as specified by your Internet Service Provider(ISP).

PPP Over Ethernet (PPPoE)

IP over Ethernet (IPoE)

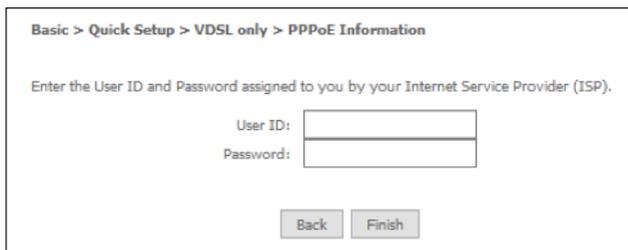
Bridging

- c. Select the correct VLAN option for your connection. For **New Zealand** customers, the requirement for VDSL is **VLAN tag 10**. If you are not sure of the tagging requirement for your connection, please contact your ISP. Click the **Next** button.



The screenshot shows a web interface titled "Basic > Quick Setup > VLAN Setup". Below the title, it says "Please select the correct VLAN option for your connection: If you are unsure, please contact your ISP". There are three radio button options: "No VLAN Tag" (which is selected), "VLAN Tag 10(For most New Zealand Customers)", and "Custom VLAN Tag". At the bottom right, there are two buttons: "Back" and "Next".

- d. In the **User ID** and **Password** fields, enter the username and password assigned to you by your Internet Service Provider (ISP).

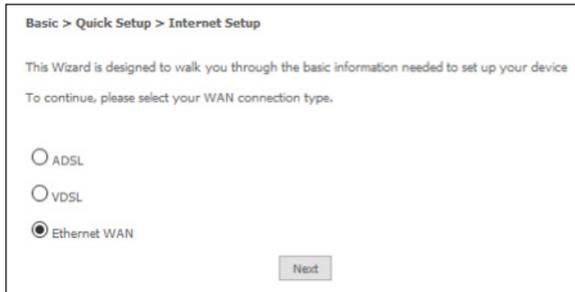


The screenshot shows a web interface titled "Basic > Quick Setup > VDSL only > PPPoE Information". Below the title, it says "Enter the User ID and Password assigned to you by your Internet Service Provider (ISP)". There are two input fields: "User ID:" and "Password:". At the bottom, there are two buttons: "Back" and "Finish".

- e. Click the **Finish** button when you have entered the required details. The account settings are saved and the NF18ACV connects to the internet.

Ethernet WAN

- a. Connect an RJ45 Ethernet cable to the **WAN** port on the NF18ACV. Connect the other end of the cable to your WAN service.
- b. Select **Ethernet WAN** then click the **Next** button.



Basic > Quick Setup > Internet Setup

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.

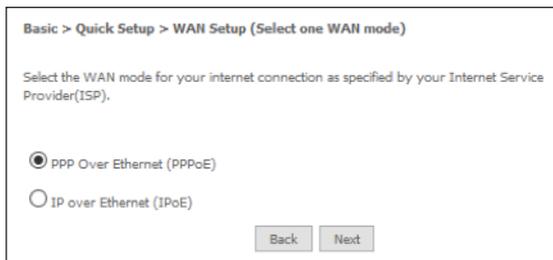
ADSL

VDSL

Ethernet WAN

Next

- c. Select the WAN mode for your internet connection as specified by your Internet Service Provider (ISP). Click the **Next** button.



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

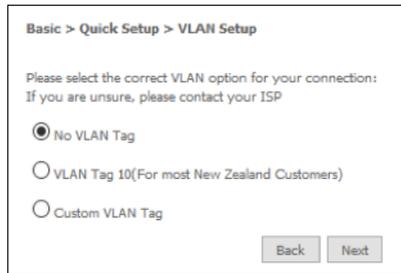
Select the WAN mode for your internet connection as specified by your Internet Service Provider(ISP).

PPP Over Ethernet (PPPoE)

IP over Ethernet (IPoE)

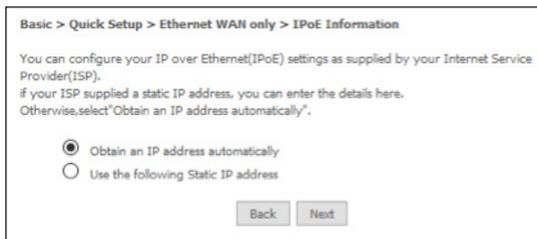
Back Next

- d. Select the correct VLAN option for your connection. For **New Zealand** customers, the requirement for VDSL is **VLAN tag 10**. If you are not sure of the tagging requirement for your connection, please contact your ISP. Click the **Next** button.



The screenshot shows a web interface for VLAN Setup. The breadcrumb path is "Basic > Quick Setup > VLAN Setup". The text reads: "Please select the correct VLAN option for your connection: If you are unsure, please contact your ISP". There are three radio button options: "No VLAN Tag" (selected), "VLAN Tag 10(For most New Zealand Customers)", and "Custom VLAN Tag". At the bottom right, there are "Back" and "Next" buttons.

- e. If your ISP has supplied a static IP address, select **Use the following Static IP address** and enter the details, otherwise select **Obtain an IP address automatically**. Click the **Next** button.



The screenshot shows a web interface for IPoE Information. The breadcrumb path is "Basic > Quick Setup > Ethernet WAN only > IPoE Information". The text reads: "You can configure your IP over Ethernet(IPoE) settings as supplied by your Internet Service Provider(ISP). if your ISP supplied a static IP address, you can enter the details here. Otherwise,select'Obtain an IP address automatically'". There are two radio button options: "Obtain an IP address automatically" (selected) and "Use the following Static IP address". At the bottom right, there are "Back" and "Next" buttons.

- f. The settings are displayed in a summary. Click **Apply/Save** to save them.

WAN Basic Setup - Summary

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

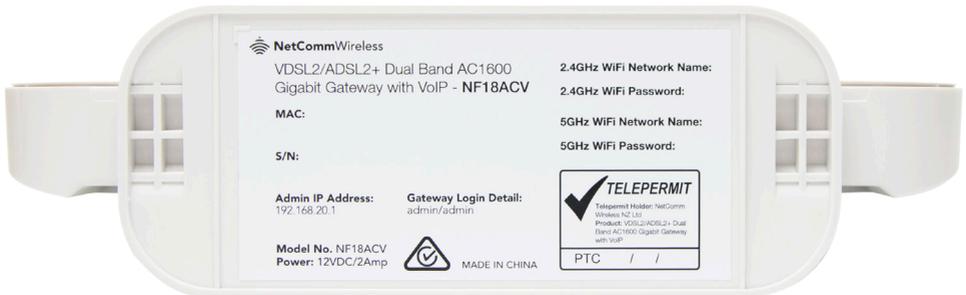
Connection Type:	IPoE
NAT:	Enabled
Full Cone NAT:	Disabled
Firewall:	Enabled
IGMP Multicast:	Disabled
Quality Of Service:	Enabled

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

The account settings are saved and the NF18ACV connects to the internet.

CONNECTING WIRELESS DEVICES

The default settings of the router have the wireless function enabled so there is no configuration necessary to use the wireless function, simply connect to the SSID (network name) listed on the WiFi security card or on the label located under your router. When prompted, enter the password that is also printed on the card or router label.



CHANGING THE WIRELESS PASSWORD

The security settings of the 2.4GHz and 5GHz bands are configured separately. If you would like to change the wireless password to something easier to remember, follow these steps for each band that you would like to change.

1. From the menu on the left side of the screen, select **Wireless-> {2.4GHz or 5GHz} -> Security**. The Wireless Security page for the chosen band is displayed. The Wireless Security page is displayed.

Manual Setup AP

You can set the network authentication method, selecting data encryption, specify whether a network key is required to authenticate to this wireless network and specify the encryption strength.
Click 'Apply/Save' when done.

Select SSID:

Network Authentication:

Protected Management Frames:

WPA/WAPI passphrase: [Click here to display](#)

WPA Group Rekey Interval:

WPA/WAPI Encryption:

WEP Encryption:

2. In the **WPA/WAPI passphrase** field, enter the desired password to use for the wireless network. When choosing a password, try to ensure that it
 - is unique;
 - is sufficiently long (at least 8 characters in length);
 - uses a mix of letters, numbers and symbols;
 - does not contain any personal information or common words.
3. Click the **Apply/Save** button.