



# VDSL / ADSL N300 WiFi Modem Router with VoIP



# WELCOME

Thank you for choosing a NetComm Wireless VDSL / ADSL N300 WiFi Modem Router with VoIP (NF10WW). This guide will help you set up, connect and configure your device quickly and easily.

## PACKAGE CONTENTS

This package includes:



VDSL/ADSL N300 WiFi  
Modem Router with VoIP  
(NF10WW)



RJ45  
Ethernet cable



Power supply (12V/2A)



RJ11 Telephone cable



WiFi security card



Warranty card



Quick Start Guide

# PRE-REQUISITES

If you are using a voice service on the same line as your DSL service, you will need a DSL line filter for each handset 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 NF10WV. 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 NF10WV to the wall socket. If you have a VoIP service, connect your handset to one of the **Tel** 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 NF10WV to your computer.
3. Connect the included power adapter to the **Power** jack of the NF10WV 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 NF10WV has finished booting up, the Power light turns green.

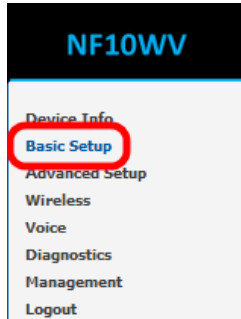


# LOGGING IN TO THE WEB INTERFACE

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 and click **OK**.

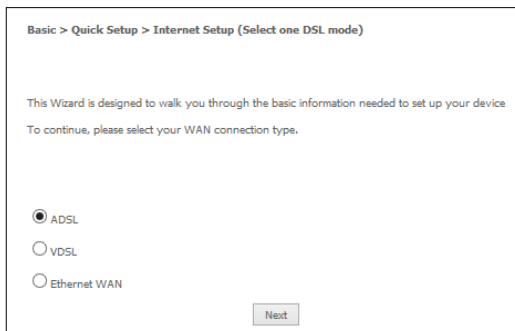
# CONFIGURING THE DEVICE FOR USE WITH AN INTERNET SERVICE

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

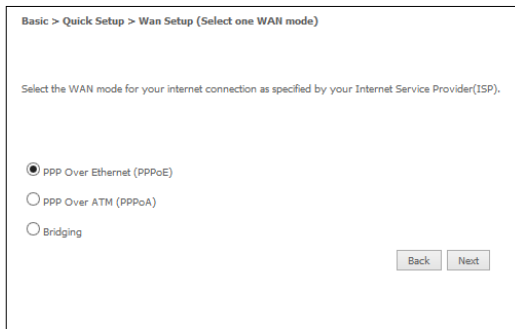


## ADSL

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

A screenshot of the 'Basic > Quick Setup > Internet Setup (Select one DSL mode)' screen. The text reads: '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.' There are three radio button options: 'ADSL' (selected), 'VDSL', and 'Ethernet WAN'. A 'Next' button is located at the bottom right.

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

A screenshot of the 'Basic > Quick Setup > Wan Setup (Select one WAN mode)' screen. The text reads: 'Select the WAN mode for your internet connection as specified by your Internet Service Provider(ISP)'. There are three radio button options: 'PPP Over Ethernet (PPPoE)' (selected), 'PPP Over ATM (PPPoA)', and 'Bridging'. 'Back' and 'Next' buttons are located at the bottom right.

- 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.

The screenshot shows a web interface for configuring PPPoE information. The breadcrumb trail is "Basic > Quick Setup > ADSL only > PPPoE Information". Below the breadcrumb, there is a heading "Enter the User ID and Password assigned to you by your Internet Service Provider (ISP)". The form contains the following fields: "Protocol:" with a dropdown menu set to "PPPoE"; "User ID:" with a text input field; "Password:" with a text input field; "VPI:" with a dropdown menu set to "8"; and "VCI:" with a dropdown menu set to "35". At the bottom of the form are two buttons: "Back" and "Finish".

The account settings are saved and the NF10WW connects to the internet.

## VDSL

- a. Select **VDSL** and click the **Next** button.
- b. Select the WAN mode as PPP Over Ethernet and Click the Next Button. Select Custom VLAN Tag in the VLAN Setup screen and then type the number 100 in the VLAN Tag box and 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

Basic > Quick Setup > VLAN Setup

Please select the correct VLAN option for your connection:  
If you are unsure, please contact your ISP

- No VLAN Tag
  - VLAN Tag 10(For most New Zealand Customers)
  - Custom VLAN Tag
- VLAN Tag:  (0-4094)

For **Hello Broadband** customers, the requirement for VDSL is VLAN tag **100**, if you are not sure of the tagging requirement for your connection, please contact your ISP.

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 for configuring PPPoE information for VDSL. The breadcrumb trail is "Basic > Quick Setup > VDSL only > PPPoE Information". Below the breadcrumb, there is a heading "Enter the User ID and Password assigned to you by your Internet Service Provider (ISP)". The form contains the following fields: "User ID:" with a text input field; "Password:" with a text input field; and two buttons at the bottom: "Back" and "Finish".

Click the **Finish** button when you have entered the required details.

## Ethernet WAN

- a. Connect an RJ45 Ethernet cable to the **WAN** port on the NF10WV. 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 (Select one DSL mode)

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.

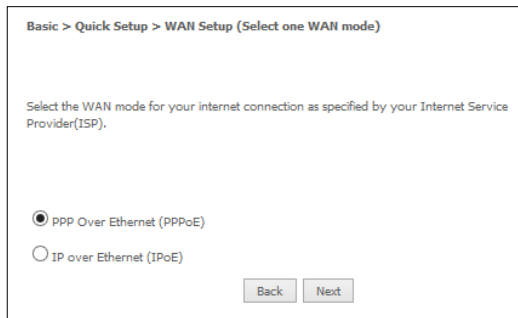
ADSL

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).

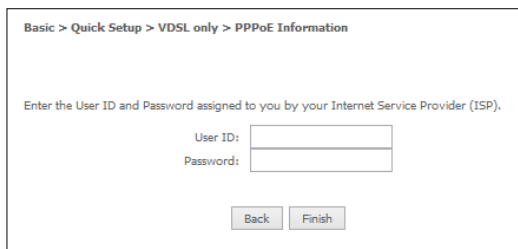
PPP Over Ethernet (PPPoE)

IP over Ethernet (IPoE)

Back Next

### PPP over Ethernet (PPPoE)

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 when you have entered the required details.



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

## IP over Ethernet (IPoE)

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.

**Basic > Quick Setup > VDSL only > IPoE Information**

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".

Obtain an IP address automatically  
 Use the following Static IP address

Back Next

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.

Back Apply/Save

## CONNECTING WIRELESS DEVICES

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



# CHANGING THE WIRELESS PASSWORD

If you would like to change the wireless password to something easier to remember, follow these steps.

1. Select the **Wireless** menu from the left side of the screen, then select the **Security** option below it. The Wireless Security page is displayed.

Wireless - Security

This page allows you to configure security features of the wireless LAN interface.  
You may setup configuration manually.  
OR  
through WPS (Pushed Setup/WPS)

**WPS Setup**

Enable WPS: Disabled

**Manual Setup AP**

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

Select SSID: NetComm 4013

Network Authentication: WPA2-PSK

Protected Management Frames: Disabled

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

WPA Group Key Interval: 0

WPA/WAPI Encryption: AES

WEP Encryption: Disabled

Apply/Save

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.