



NF18ACV - QUICK START GUIDE

VDSL2 / ADSL2+ Dual Band AC1600 Gigabit Gateway with VoIP

WELCOME

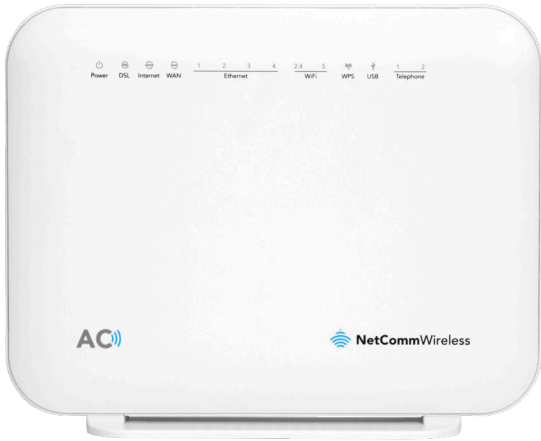
Thank you for choosing a NetComm Wireless NF18ACV VDSL2 / ADSL2+ Dual Band AC1600 Gigabit Gateway with VoIP. This guide will help you set up, connect and configure your device quickly and easily.

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PACKAGE CONTENTS

1. 1 x NetComm Wireless NF18ACV VDSL2 / ADSL2+ Dual Band AC1600 Gigabit Gateway with VoIP
2. 1 x RJ45 Ethernet cable
3. 1 x RJ11 Telephone cable
4. 1 x WiFi Security card
5. 1 x Warranty card
6. 1 x Power supply (12V/2A)
7. 1 x Quick Start Guide



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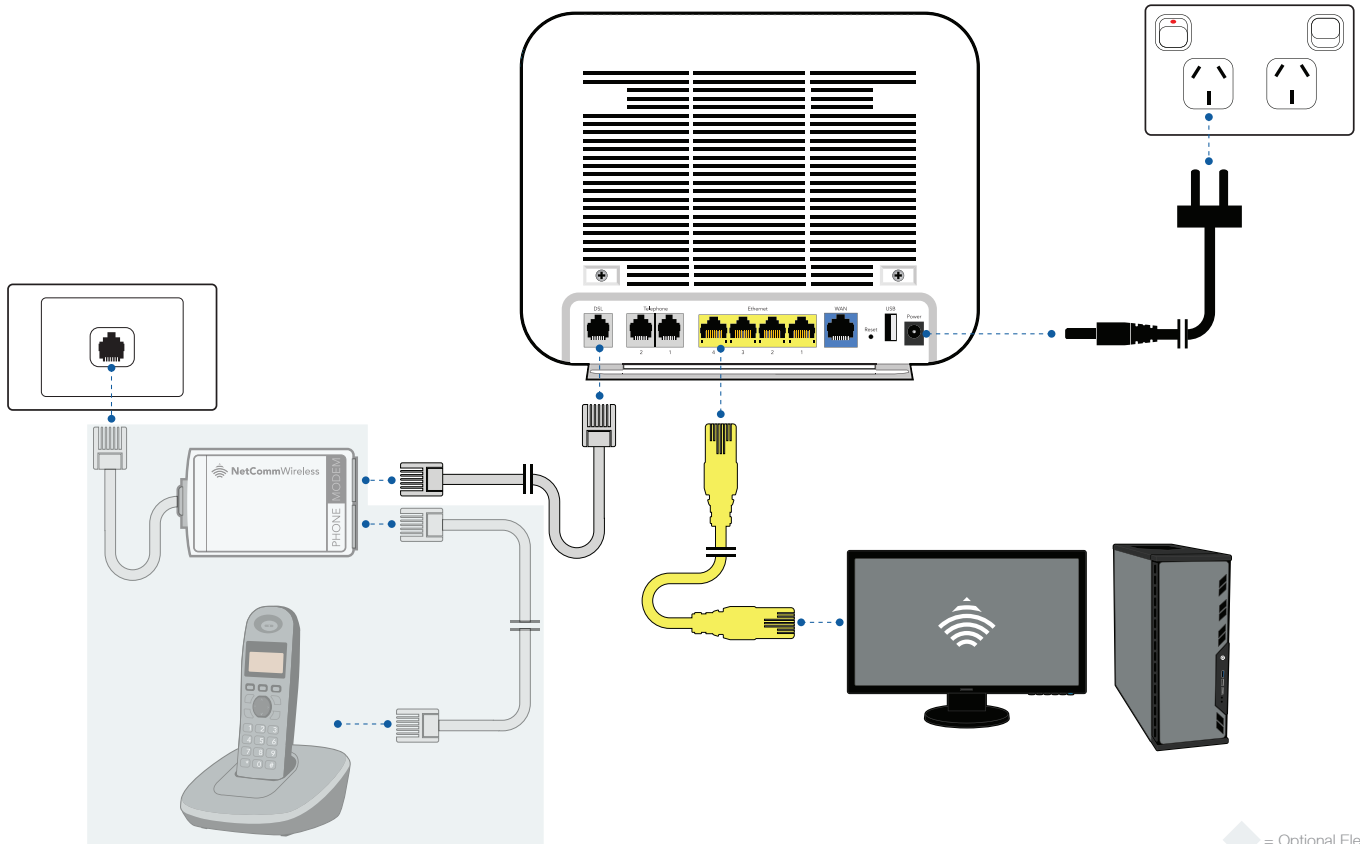
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PRE-REQUISITES

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.

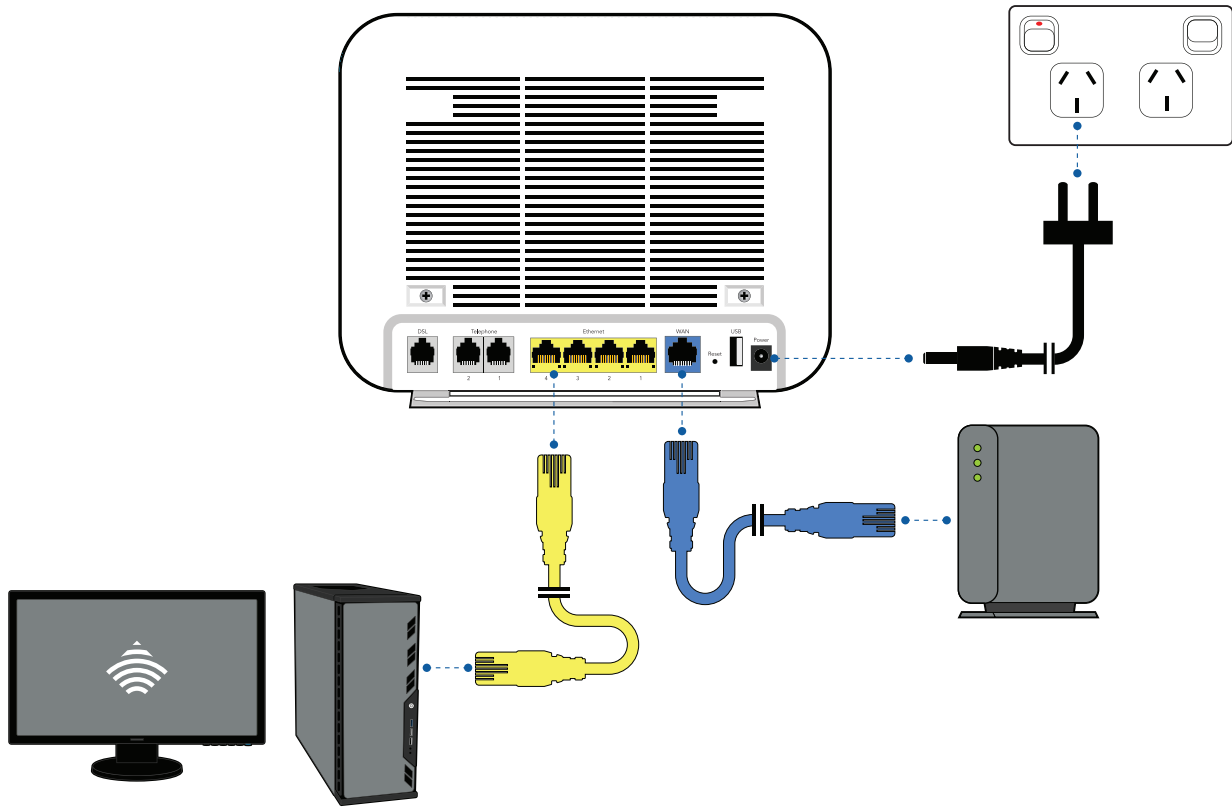
INSTALLING THE DEVICE VIA DSL CONNECTIONS

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.



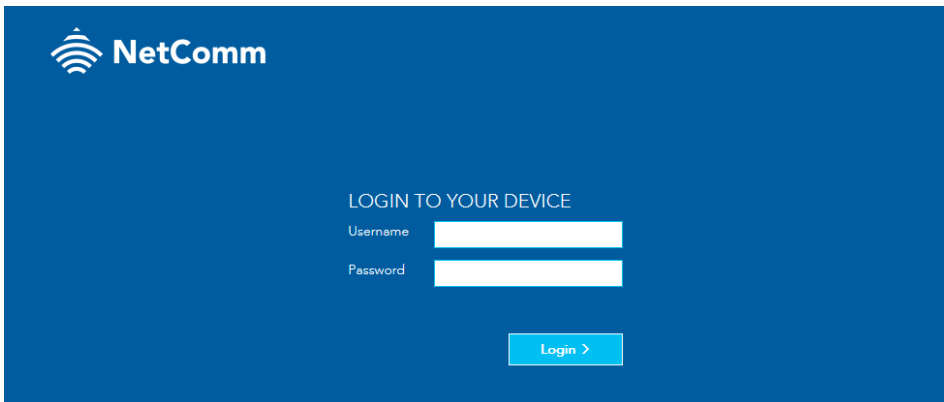
INSTALLING THE DEVICE VIA ETHERNET CONNECTIONS

1. Connect a straight-through Ethernet cable to the blue **WAN** port on the back of the NF18ACV and then connect the other end to your upstream gateway device, for example an FTTP gateway or HFC cable modem.
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

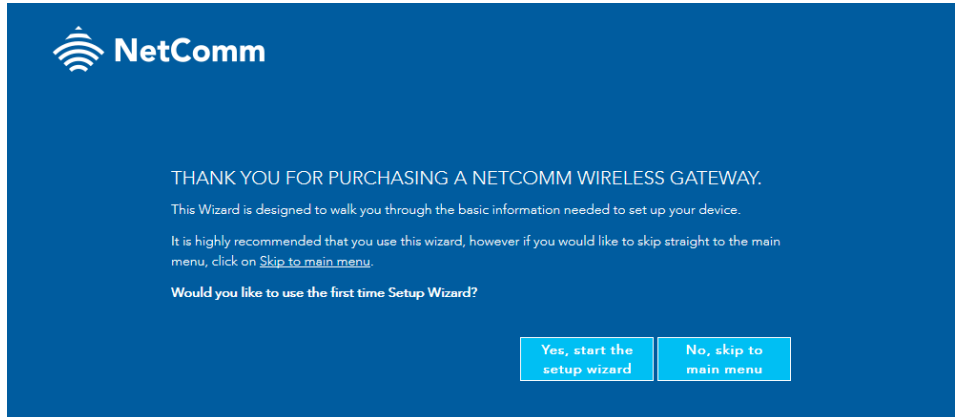
1. Open a web browser (such as Internet Explorer®, Mozilla Firefox® or Google Chrome™), type **https://192.168.20.1** into the address bar and press **Enter**.
2. At the login screen, type **admin** into both the **Username** and **Password** fields, then click the **Login >** button.



The screenshot shows the NetComm login interface. At the top left is the NetComm logo. Below it, the text "LOGIN TO YOUR DEVICE" is displayed. There are two input fields: "Username" and "Password". Below these fields is a blue button labeled "Login >".

USING THE FIRST- TIME SETUP WIZARD

Upon first login, the gateway displays the first-time setup wizard. We recommend using the wizard to configure your internet connection.



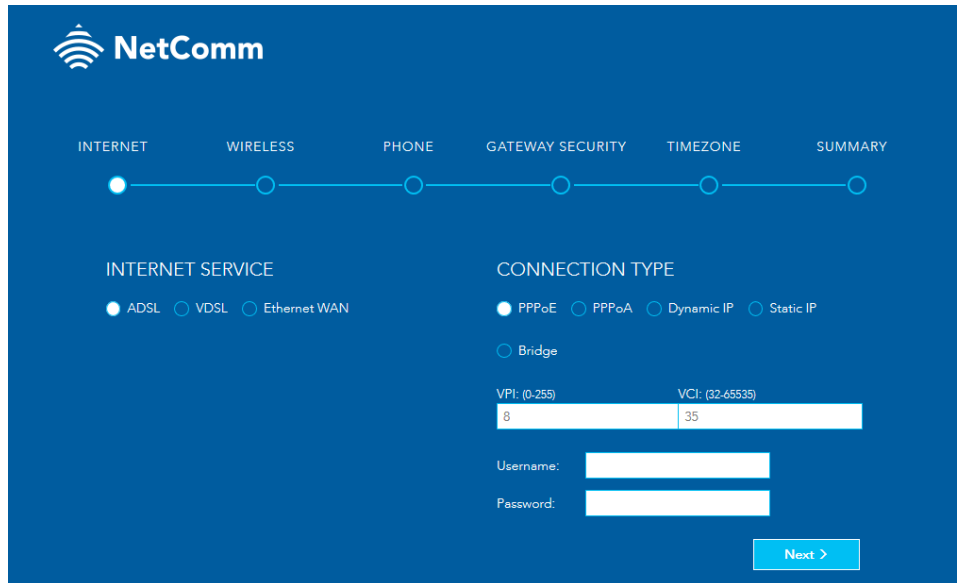
Click on the **Yes, start the setup wizard** button.

Follow the instructions below for your connection type.

INTERNET

ADSL

- a. Under **Internet Service**, select **ADSL**.



The image shows a NetComm configuration interface for the Internet service. At the top, there is a progress bar with six steps: INTERNET, WIRELESS, PHONE, GATEWAY SECURITY, TIMEZONE, and SUMMARY. The INTERNET step is currently active, indicated by a white dot. Below the progress bar, there are two main sections: INTERNET SERVICE and CONNECTION TYPE. Under INTERNET SERVICE, there are three radio button options: ADSL (selected), VDSL, and Ethernet WAN. Under CONNECTION TYPE, there are five radio button options: PPPoE (selected), PPPoA, Dynamic IP, Static IP, and Bridge. Below these options, there are input fields for VPI (0-255) with the value 8 and VCI (32-65535) with the value 35. There are also input fields for Username and Password. A Next > button is located at the bottom right of the form.

- b. Under **Connection Type**, select the type of connection your ISP has configured for you, i.e. PPPoE, PPPoA, Dynamic IP, Static IP or Bridge.
- c. Enter the required details under **Connection Type** on the right.

PPPoE

Enter the VPI and VCI values and the username and password required by your ISP. If you are unsure of these, contact your ISP. Click the **Next >** button when you have finished.

CONNECTION TYPE

PPPoE PPPoA Dynamic IP Static IP Bridge

VPI: (0-255) VCI: (32-65535)

Username:

Password:

[Next >](#)

PPPoA

Enter the VPI and VCI values and the username and password required by your ISP. If you are unsure of these, contact your ISP. Click the **Next >** button when you have finished.

CONNECTION TYPE

PPPoE PPPoA Dynamic IP Static IP Bridge

VPI: (0-255) VCI: (32-65535)

Username:

Password:

[Next >](#)

Dynamic IP

Enter the VPI and VCI values required by your ISP. If you are unsure of these, contact your ISP. Click the **Next >** button when you have finished.

CONNECTION TYPE

PPPoE PPPoA Dynamic IP Static IP Bridge

VPI: (0-255) VCI: (32-65535)

[Next >](#)

Static IP

Enter the VPI and VCI values, WAN IP Address, WAN Subnet Mask, WAN Gateway IP Address, Primary DNS server and Secondary DNS server required by your ISP. If you are unsure of these, contact your ISP. Click the **Next >** button when you have finished.

CONNECTION TYPE

PPPoE PPPoA Dynamic IP Static IP Bridge

VPI: (0-255) VCI: (32-65535)

WAN IP Address:

WAN Subnet Mask:

WAN Gateway IP Address:

Primary DNS server:

Secondary DNS server:

[Next >](#)

Bridge

Enter the VPI and VCI values required by your ISP. If you are unsure of these, contact your ISP. Click the **Next >** button when you have finished, then skip to the Gateway Security section of this guide.

CONNECTION TYPE

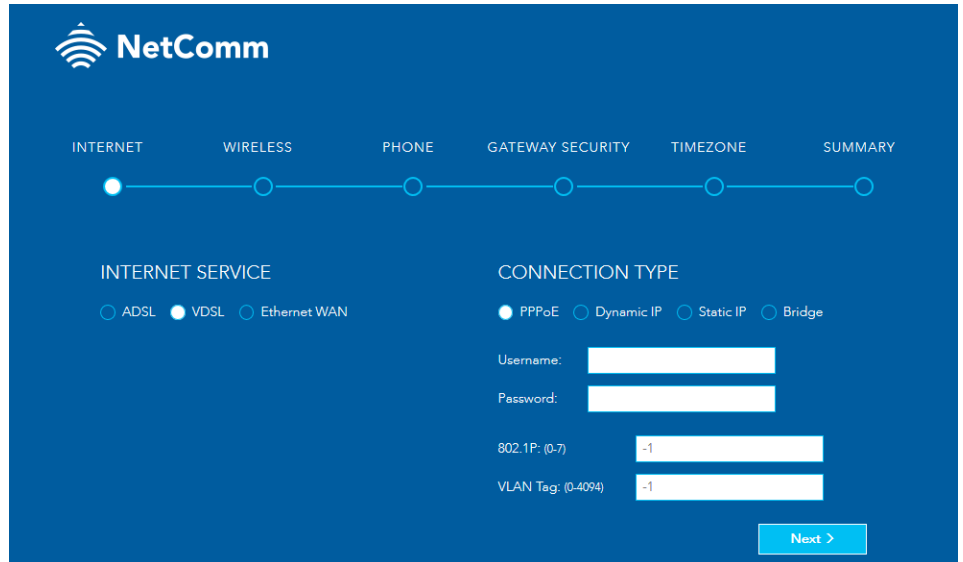
PPPoE PPPoA Dynamic IP Static IP Bridge

VPI: (0-255) VCI: (32-65535)

[Next >](#)

VDSL

- a. Under **Internet Service**, select **VDSL**.



The image shows a NetComm configuration interface with a blue background. At the top left is the NetComm logo. Below it is a horizontal progress bar with six steps: INTERNET, WIRELESS, PHONE, GATEWAY SECURITY, TIMEZONE, and SUMMARY. The INTERNET step is currently active, indicated by a white dot. Below the progress bar, there are two main sections: INTERNET SERVICE and CONNECTION TYPE. Under INTERNET SERVICE, there are three radio buttons: ADSL, VDSL (which is selected), and Ethernet WAN. Under CONNECTION TYPE, there are four radio buttons: PPPoE (selected), Dynamic IP, Static IP, and Bridge. Below these are input fields for Username and Password. There are also two input fields for 802.1P: (0-7) and VLAN Tag: (0-4094), both with a value of -1. A blue button labeled 'Next >' is located at the bottom right of the form.

- b. Under **Connection Type**, select the type of connection your ISP has configured for you, i.e. PPPoE, Dynamic IP, Static IP or Bridge.
- c. Enter the required details under **Connection Type** on the right.

PPPoE

Enter the username and password, 802.1P priority and VLAN Tag required by your ISP. If you are unsure of these, contact your ISP. Click the **Next >** button when you have finished.

Dynamic IP

Enter the 802.1P priority and VLAN Tag required by your ISP. If you are unsure of these, contact your ISP. Click the **Next >** button when you have finished.

CONNECTION TYPE

PPPoE Dynamic IP Static IP Bridge

Username:

Password:

802.1P: (0-7)

VLAN Tag: (0-4094)

[Next >](#)

CONNECTION TYPE

PPPoE Dynamic IP Static IP Bridge

802.1P: (0-7)

VLAN Tag: (0-4094)

[Next >](#)

Static IP

Enter the WAN IP Address, WAN Subnet Mask, WAN Gateway IP Address, Primary DNS server and Secondary DNS server, 802.1P priority and VLAN Tag required by your ISP. If you are unsure of these, contact your ISP. Click the **Next >** button when you have finished.

Bridge

Enter the 802.1P priority and VLAN Tag required by your ISP. If you are unsure of these, contact your ISP. Click the **Next >** button when you have finished, then skip to the **Gateway Security** section of this guide.

CONNECTION TYPE

PPPoE Dynamic IP Static IP Bridge

WAN IP Address:

WAN Subnet Mask:

WAN Gateway IP Address:

Primary DNS server:

Secondary DNS server:

802.1P: (0-7)

VLAN Tag: (0-4094)

[Next >](#)

CONNECTION TYPE

PPPoE Dynamic IP Static IP Bridge

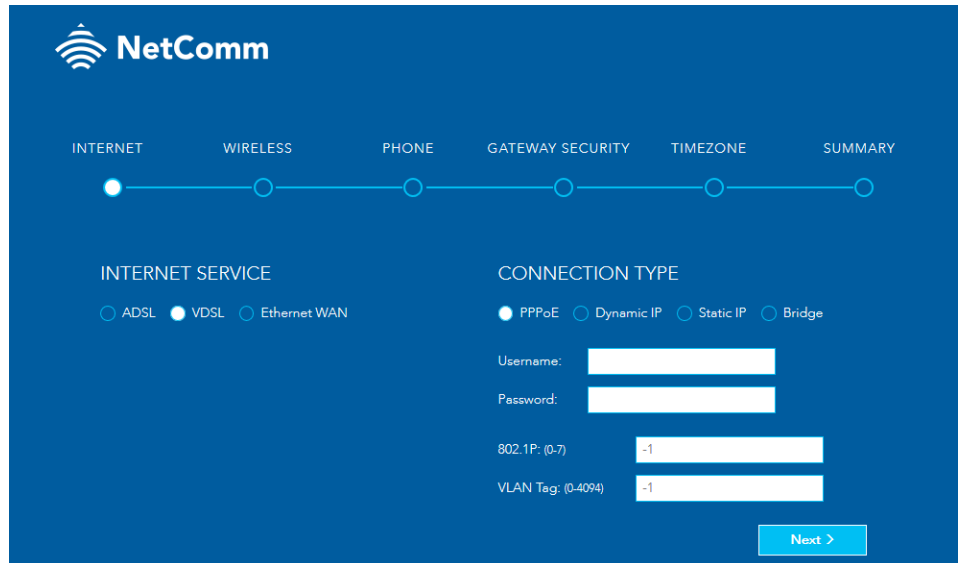
802.1P: (0-7)

VLAN Tag: (0-4094)

[Next >](#)

Ethernet WAN

- a. Under **Internet Service**, select **Ethernet WAN**.



The image shows a NetComm configuration interface with a blue background. At the top left is the NetComm logo. Below it is a progress bar with six steps: INTERNET, WIRELESS, PHONE, GATEWAY SECURITY, TIMEZONE, and SUMMARY. The INTERNET step is currently active, indicated by a white dot. Below the progress bar are two main sections: INTERNET SERVICE and CONNECTION TYPE. Under INTERNET SERVICE, there are three radio buttons: ADSL (unselected), VDSL (selected), and Ethernet WAN (unselected). Under CONNECTION TYPE, there are four radio buttons: PPPoE (selected), Dynamic IP (unselected), Static IP (unselected), and Bridge (unselected). Below these are four input fields: Username, Password, 802.1P: (0-7) with a value of -1, and VLAN Tag: (0-4094) with a value of -1. A blue 'Next >' button is located at the bottom right of the form.

- b. Under **Connection Type**, select the type of connection your ISP has configured for you, i.e. PPPoE, Dynamic IP, Static IP or Bridge.
- c. Enter the required details under **Connection Type** on the right.

PPPoE

Enter the username and password, 802.1P priority and VLAN Tag required by your ISP. If you are unsure of these, contact your ISP. Click the **Next >** button when you have finished.

Dynamic IP

Enter the 802.1P priority and VLAN Tag required by your ISP. If you are unsure of these, contact your ISP. Click the **Next >** button when you have finished.

CONNECTION TYPE

PPPoE Dynamic IP Static IP Bridge

Username:

Password:

802.1P: (0-7)

VLAN Tag: (0-4094)

[Next >](#)

CONNECTION TYPE

PPPoE Dynamic IP Static IP Bridge

802.1P: (0-7)

VLAN Tag: (0-4094)

[Next >](#)

Static IP

Enter the WAN IP Address, WAN Subnet Mask, WAN Gateway IP Address, Primary DNS server and Secondary DNS server, 802.1P priority and VLAN Tag required by your ISP. If you are unsure of these, contact your ISP. Click the **Next >** button when you have finished.

Bridge

Enter the 802.1P priority and VLAN Tag required by your ISP. If you are unsure of these, contact your ISP. Click the **Next >** button when you have finished, then skip to the **Gateway Security** section of this guide.

CONNECTION TYPE

PPPoE Dynamic IP Static IP Bridge

WAN IP Address:

WAN Subnet Mask:

WAN Gateway IP Address:

Primary DNS server:

Secondary DNS server:

802.1P: (0-7)

VLAN Tag: (0-4094)

[Next >](#)

CONNECTION TYPE

PPPoE Dynamic IP Static IP Bridge

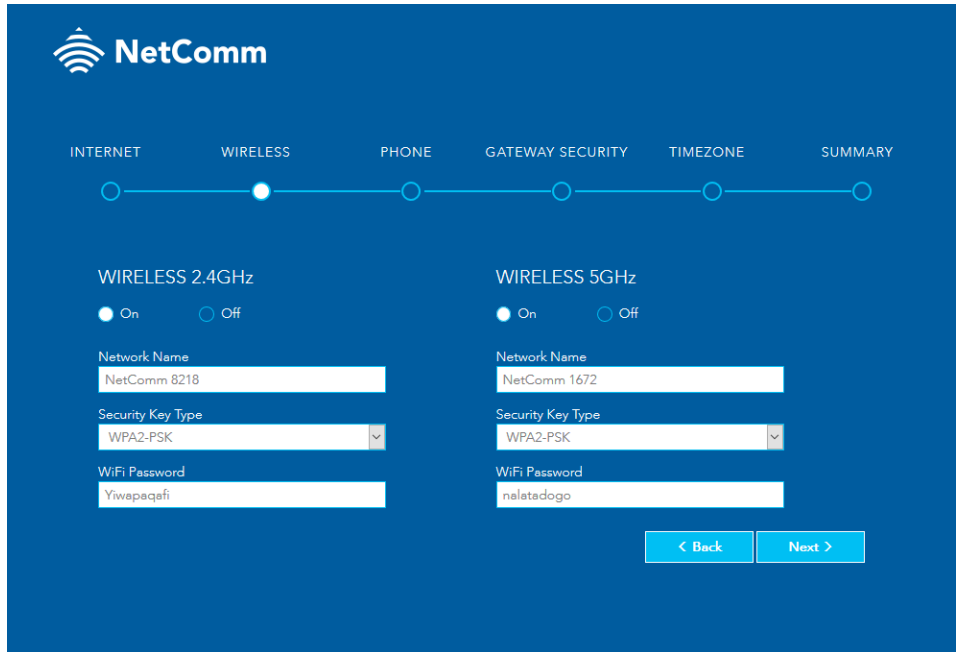
802.1P: (0-7)

VLAN Tag: (0-4094)

[Next >](#)

WIRELESS

On this page you can configure the wireless networks of the gateway. Enter the **Network Name** (the name displayed on client devices when they scan for wireless networks), the **Security Key Type** (encryption type) and the **WiFi password**. When you have finished, click the **Next >** button.



The screenshot shows the NetComm configuration interface for wireless networks. At the top, there is a progress bar with six steps: INTERNET, WIRELESS (selected), PHONE, GATEWAY SECURITY, TIMEZONE, and SUMMARY. Below the progress bar, there are two columns for configuring wireless networks: WIRELESS 2.4GHz and WIRELESS 5GHz. Each column has a radio button for 'On' and 'Off'. The 'On' option is selected for both. Below the radio buttons, there are three input fields: 'Network Name', 'Security Key Type' (a dropdown menu), and 'WiFi Password'. The 'Network Name' fields contain 'NetComm 8218' and 'NetComm 1672'. The 'Security Key Type' dropdowns are set to 'WPA2-PSK'. The 'WiFi Password' fields contain 'Yiwapaqafi' and 'nalatadogo'. At the bottom right, there are two buttons: '< Back' and 'Next >'.

NetComm

INTERNET WIRELESS PHONE GATEWAY SECURITY TIMEZONE SUMMARY

WIRELESS 2.4GHz

On Off

Network Name
NetComm 8218

Security Key Type
WPA2-PSK

WiFi Password
Yiwapaqafi

WIRELESS 5GHz

On Off

Network Name
NetComm 1672

Security Key Type
WPA2-PSK

WiFi Password
nalatadogo

< Back Next >

PHONE

Configuration of a telephone is optional. If you do not intend to use a telephone handset with your router, click the **Next >** button to skip this section.

To configure a telephone, enter the details into the fields shown for each line you wish to use. If you do not know the values to enter, contact your ISP.

Click the **Next >** button when you have finished.

INTERNET WIRELESS **PHONE** GATEWAY SECURITY TIMEZONE SUMMARY

Note: Configuration of a telephone is optional. If you do not intend to use a telephone handset with your router, click the Next button below to skip this section.

PHONE LINE 1

Phone Number

SIP Username

SIP Password

SIP Proxy Server

SIP Registrar Server

SIP Outbound Proxy *

PHONE LINE 2

Phone Number

SIP Username

SIP Password

SIP Proxy Server

SIP Registrar Server

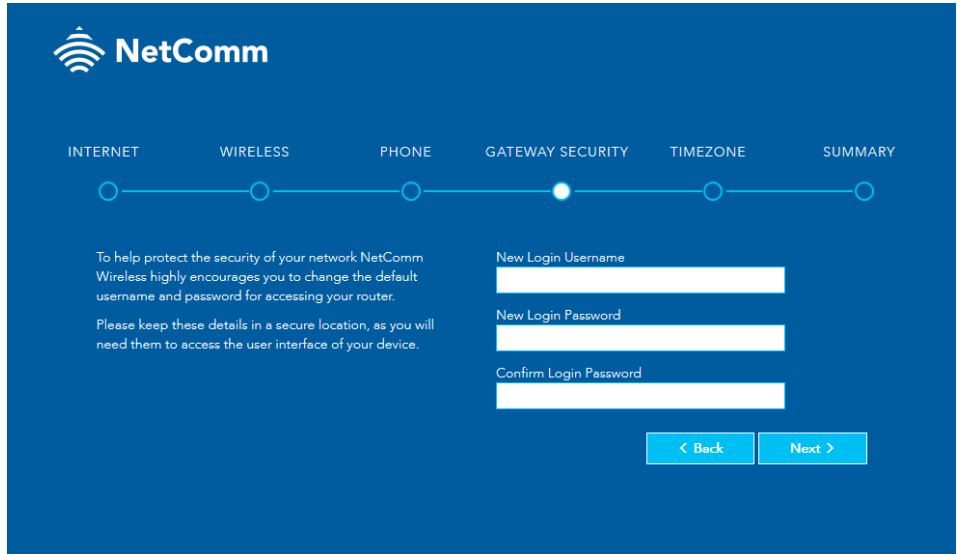
SIP Outbound Proxy *

* Optional field, leave blank if you don't have this information.

< Back Next >

GATEWAY SECURITY

We highly recommend that you configure a new username and password to access the router. Usernames and passwords are case sensitive, can be up to 16 characters in length and may comprise letters, special characters and numbers without spaces. When you have finished entering the new credentials, click the **Next >** button.



The image shows a screenshot of the NetComm router's configuration interface. At the top left is the NetComm logo. Below it is a horizontal progress bar with six steps: INTERNET, WIRELESS, PHONE, GATEWAY SECURITY, TIMEZONE, and SUMMARY. The GATEWAY SECURITY step is currently selected, indicated by a white dot. Below the progress bar, there is a text block on the left and a form on the right. The text block contains instructions about changing the default login credentials. The form has three input fields: 'New Login Username', 'New Login Password', and 'Confirm Login Password'. At the bottom right of the form are two buttons: '< Back' and 'Next >'.

NetComm

INTERNET WIRELESS PHONE **GATEWAY SECURITY** TIMEZONE SUMMARY

To help protect the security of your network NetComm Wireless highly encourages you to change the default username and password for accessing your router.

Please keep these details in a secure location, as you will need them to access the user interface of your device.

New Login Username

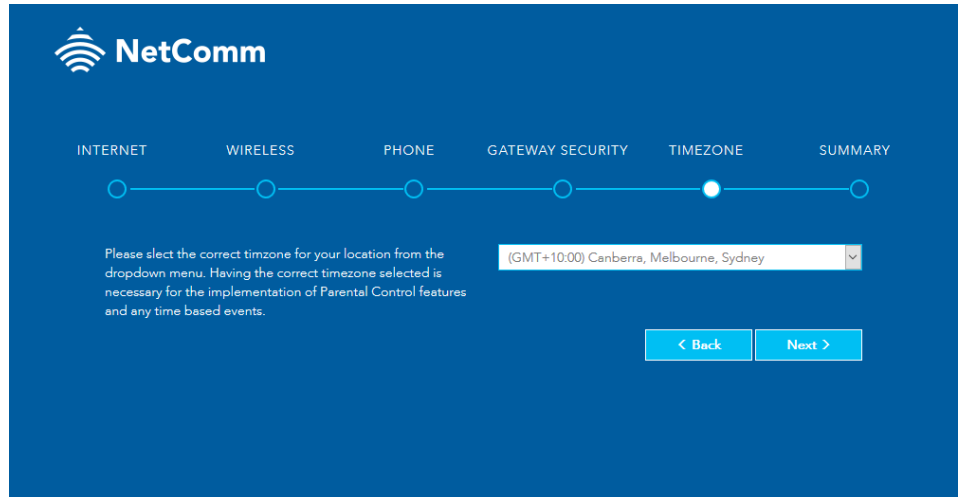
New Login Password

Confirm Login Password

[< Back](#) [Next >](#)

TIMEZONE

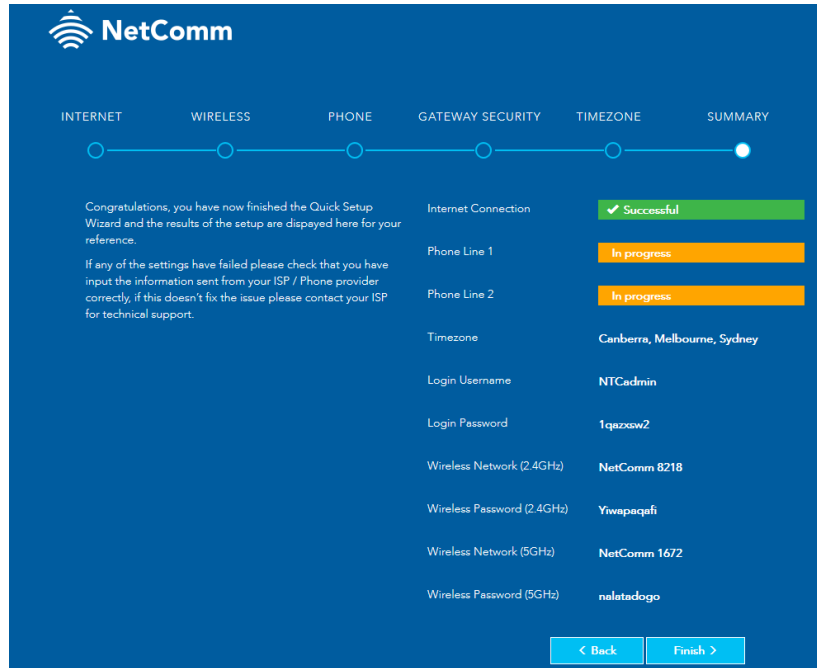
Specify the timezone where the router is located for correct time keeping and logging on the device. Click the **Next >** button when you have chosen the correct timezone.



The image shows a screenshot of the NetComm router configuration interface. At the top left is the NetComm logo. Below it is a progress bar with six steps: INTERNET, WIRELESS, PHONE, GATEWAY SECURITY, TIMEZONE, and SUMMARY. The TIMEZONE step is currently selected, indicated by a white circle. Below the progress bar, there is a text instruction: "Please select the correct timezone for your location from the dropdown menu. Having the correct timezone selected is necessary for the implementation of Parental Control features and any time based events." To the right of this text is a dropdown menu showing "(GMT+10:00) Canberra, Melbourne, Sydney". At the bottom right, there are two buttons: "< Back" and "Next >".

SUMMARY

The wizard displays a summary of the entered information. Check that the details are correct. If they are correct, click the **Finish >** button. If they are not, click the **< Back** button to go back to the relevant screen to make changes.



The screenshot shows the NetComm Quick Setup Wizard Summary screen. At the top, the NetComm logo is displayed. Below it is a progress bar with six steps: INTERNET, WIRELESS, PHONE, GATEWAY SECURITY, TIMEZONE, and SUMMARY. The SUMMARY step is currently active, indicated by a white circle. The main content area is divided into two columns. The left column contains a congratulatory message and a troubleshooting note. The right column lists the configuration details for each step, with status indicators: 'Successful' (green bar) for Internet Connection, and 'In progress' (orange bar) for Phone Line 1 and Phone Line 2. Other settings like Timezone, Login Username, Login Password, and Wireless Network settings are listed with their respective values. At the bottom right, there are two buttons: '< Back' and 'Finish >'.

Step	Status
INTERNET	Successful
WIRELESS	In progress
PHONE	In progress
GATEWAY SECURITY	In progress
TIMEZONE	Successful
SUMMARY	Active

Internet Connection ✓ Successful

Phone Line 1 In progress

Phone Line 2 In progress

Timezone Canberra, Melbourne, Sydney

Login Username NTCadmin

Login Password 1qazxw2

Wireless Network (2.4GHz) NetComm 8218

Wireless Password (2.4GHz) Ywpaqafi

Wireless Network (5GHz) NetComm 1672

Wireless Password (5GHz) nalatadogo

< Back Finish >

When you click the **Finish >** button, the router returns you to the log in screen.

CONNECTING WIRELESS DEVICES

On your wireless client, scan for wireless networks and select the network name that you specified during the setup wizard. Enter the username and password that you specified during the setup wizard and follow the rest of the client's set up process to connect.

Congratulations! Your NF18ACV VDSL2 / ADSL2+ Dual Band AC1600 Gigabit Gateway with VoIP is now ready for use.

SOURCE CODE

GNU General Public License

This product includes software code that is subject to the GNU General Public License ("GPL") or GNU Lesser General Public License ("LGPL"). This code is subject to the copyrights of one or more authors and is distributed without any warranty.

A copy of this software can be obtained by contacting NetComm Wireless via <https://helpdesk.netcommwireless.com/>



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