

NF18MESH

Quick Start Guide

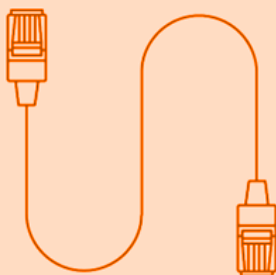
FTTC Connections



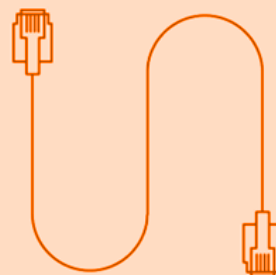
WHAT'S IN THE BOX



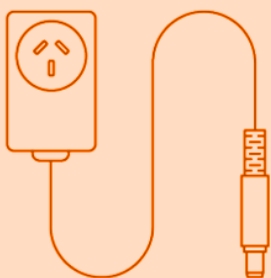
1 x NF18MESH
CloudMesh Gateway



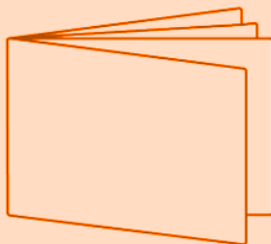
1 x RJ45
Ethernet Cable



1 x RJ11
Telephone Cable



1 x Power Supply
(12V/2A)



1 x Quick Start Guide



1 x Warranty Card
1x End User License Agreement



SAFETY INFORMATION

Please read before use



Location

The gateway is designed for indoor use only.
Place the gateway in a central location for the best WiFi performance.



Airflow

- Do not restrict airflow around the gateway.
- The gateway is air cooled and may overheat where airflow has been restricted.
- Always allow minimum clearance of 5cm around all sides and the top of the gateway.
- The gateway may become warm during normal use. Do not cover, do not put in an enclosed space, do not put under or behind large items of furniture.



Environment

- Do not place the gateway in direct sunlight or any hot areas.
- Safe operating temperature of the gateway is between 0° and 40°C
- Do not allow the gateway to come in contact with any liquid or moisture.
- Do not place the gateway in any wet or humid areas such as kitchen, bathroom or laundry rooms.



Power Supply

Always use only the power supply unit that came with the gateway. You should immediately stop using the power supply unit if the cable or power supply unit is damaged.



Service

There are no user-serviceable components in the gateway. Do not attempt to disassemble, repair, or modify the gateway.



Small Children

Do not leave the gateway and its accessories within the reach of small children or allow them to play with it. The gateway contains small parts with sharp edges that may cause an injury or which could become detached and create a choking hazard.



RF Exposure

The gateway contains a transmitter and a receiver. When it is on, it receives and transmits RF energy. The gateway conforms with the radio frequency (RF) exposure limits adopted by the Australian Communications and Media Authority Radiocommunications (Electromagnetic Radiation - Human Exposure) Standard 2014, when used at a distance of not less than 20 cm from the body.)



Product Handling

- Always treat the gateway and its accessories with care and keep it in a clean and dust-free place.
- Do not expose the gateway or its accessories to open flames.
- Do not drop, throw or try to bend the gateway or its accessories.
- Do not use harsh chemicals, cleaning solvents, or aerosols to clean the gateway or its accessories.
- Please check local regulations for disposal of electronic products.
- Arrange power and Ethernet cables in a manner such that they are not likely to be stepped on or have items placed on them.

GETTING STARTED



Pre-configured?

If you received the Netcomm NF18MESH modem from Tangerine, the device will be pre-configured. Follow the steps specific to your FTTC NBN connection on the following pages to get connected.

HOW TO YOUR NETCOMM MODEM:

FTTC Connections

GETTING STARTED

Step 1

Locate the telephone wall socket in your property that has been activated for NBN. Please note that there may be multiple telephone wall sockets in your property.

Step 2

Disconnect all equipment from your telephone sockets. This includes phones and fax machines plugged in around the property. These devices will interfere with the NBN signal.

Step 3

Locate the NBN Connection Device (NCD). Connect the NCD to the telephone wall socket that has been activated for NBN and power it up.



Wait for the connection light and DSL light on the top of the NCD to turn solid blue. This may take up to 15 minutes to complete. If the lights do not turn solid blue please get in touch with Tangerine's technical support team.

Step 4

Connect your Netcomm modem to the NBN Connection Device (NCD). Use the blue WAN port on the back of your modem and the Gateway port on the NCD.



Step 5

After you have successfully connected your Netcomm modem, please leave this connected while NBN complete activation of your service. This can take between 20 minutes & one hour to complete.

From time to time check whether you are able to access the internet using your modem. If after 2 hours you are still not able to access the internet please consult the troubleshooting tips below.

Check lights

Once connected to the network, the Power, WAN & WiFi 2.4 – 5 lights will display a steady green light. The internet light will be flashing.



Troubleshooting tips

If the DSL light on the NBN NCD device does not come on does not stop flashing:

1. Try connecting the modem to an alternative telephone wall socket in the property.
2. Try an alternative telephone cord to connect the NDC to the wall socket.
3. Ensure that all other devices are disconnected from your telephone sockets in the property. This includes phones, fax machines, filters, splitters and extension cords.

If the lights on the modem aren't on, ensure you have waited up to an hour from the time of connecting the NDC and router. It can take this long for the activation to complete

If the modem is still not connected, please contact our technical support team for further assistance:

8AM – 10PM WEEKDAYS,

8AM – 8PM SAT & SUNDAY AET

Phone: 1800 211 112

Live Chat: www.tangerinetelecom.com.au

Final Steps

After you've completed the steps to connect your NetComm NF18MESH modem, wait up to 20 mins to connect to your devices.

Once connected, run a test to check the speed of your connection at www.speedtest.net

HOW TO CONNECT A NF18MESH MODEM

(That is NOT pre-configured)

BEFORE YOU BEGIN

Ensure that you have the following information on hand

- How your **INTERNET SERVICE** will physically connect to the gateway, see below.
- The **SETTINGS** specific to your type of service.

These are two ways to connect the gateway to the Internet service:

Ethernet WAN

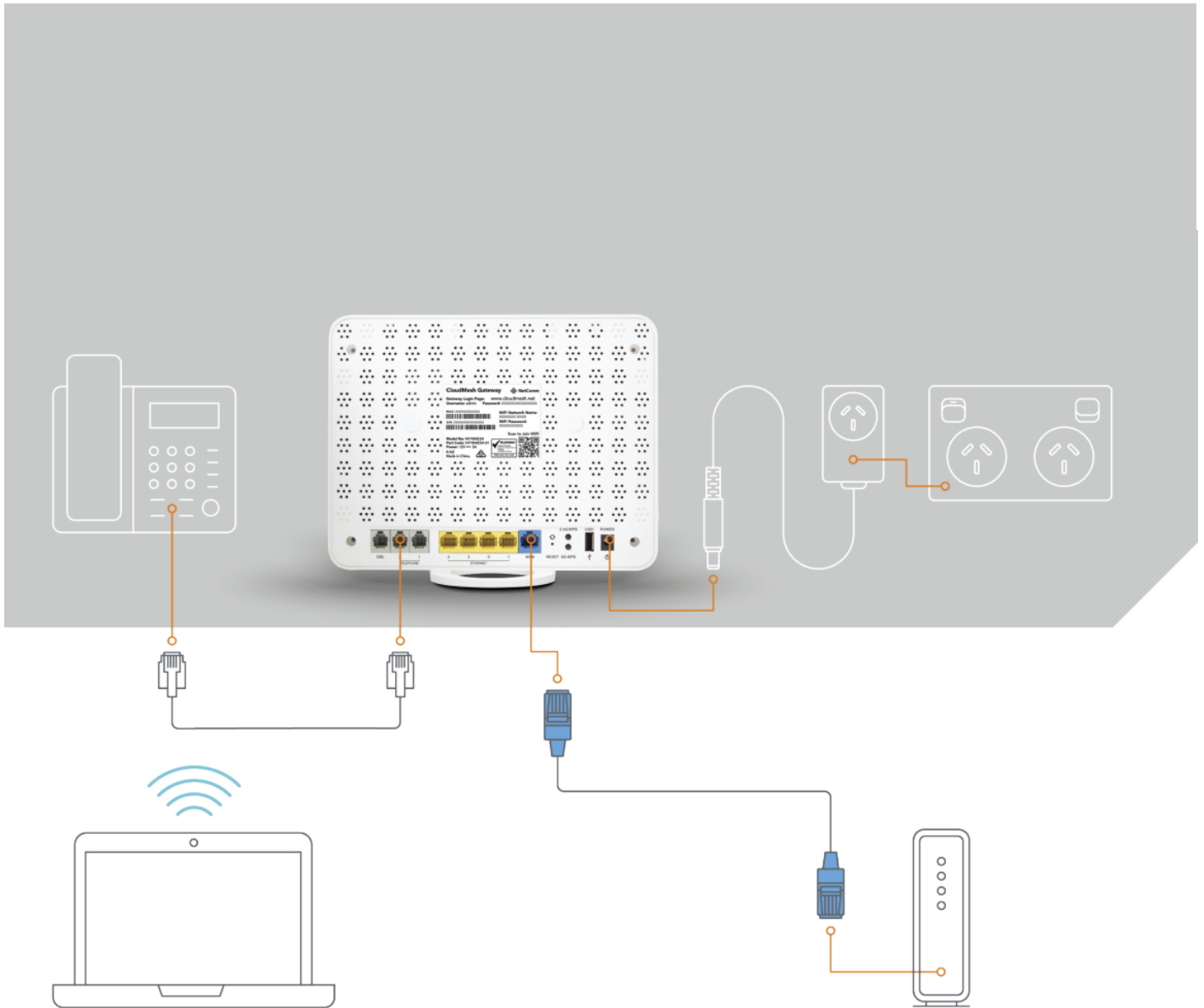
This is the most common access type in Australia and New Zealand and covers fixed line technologies such as **nbn™ FTTP, HFC, FTTC** as well as **nbn™ Fixed Wireless** and **Sky Master satellite** services.

This type of Internet service uses the **blue WAN** port on the back of the gateway to connect to the dedicated connection box installed by your access network provider.

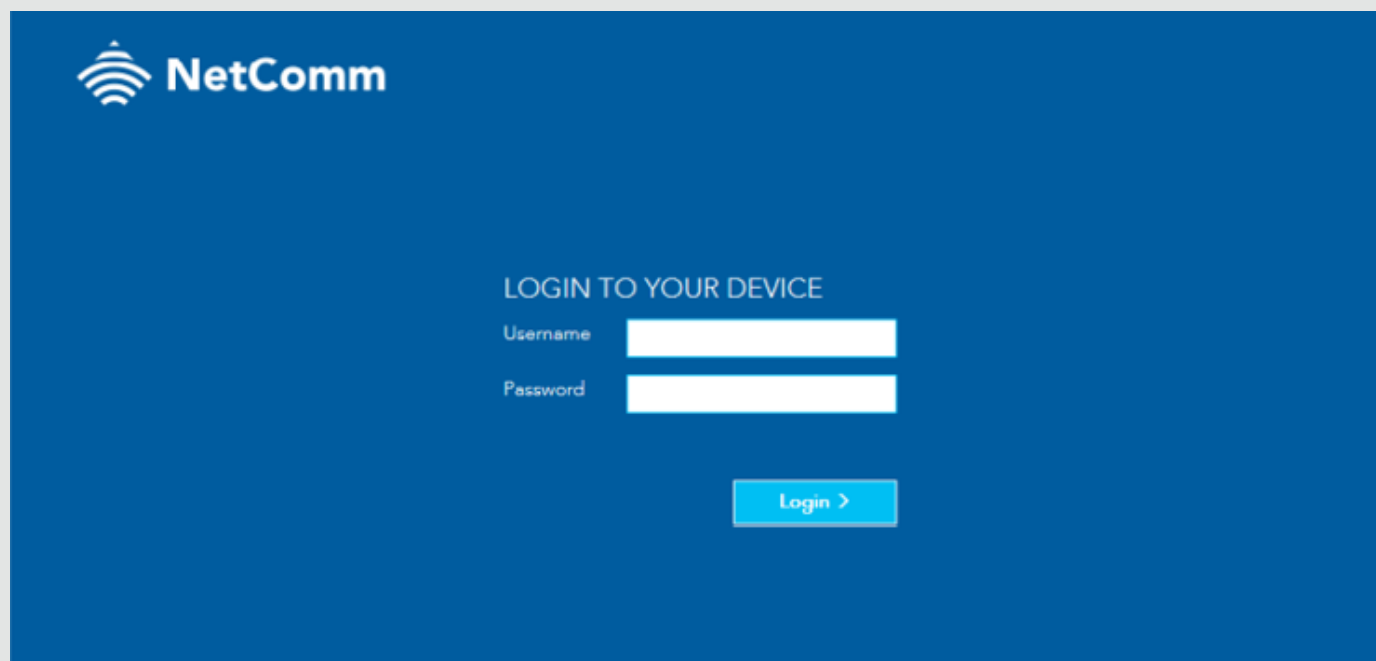
ADSL or VDSL

These access types are provided by **nbn™ FTTB, FTTN** or **ADSL/VDSL** over a traditional telephone line.

This connection uses the **grey DSL** port of the back of the gateway.



LOGGING IN TO THE WEB INTERFACE

The image shows a screenshot of the NetComm web interface login page. The background is a solid blue color. In the top left corner, there is a white logo consisting of a stylized signal icon followed by the text "NetComm". In the center of the page, the text "LOGIN TO YOUR DEVICE" is displayed in white, uppercase letters. Below this text, there are two white input fields. The first field is labeled "Username" and the second is labeled "Password". Below the input fields, there is a blue button with the text "Login >" in white.

1. Complete a factory reset of the modem

2. Open web browser

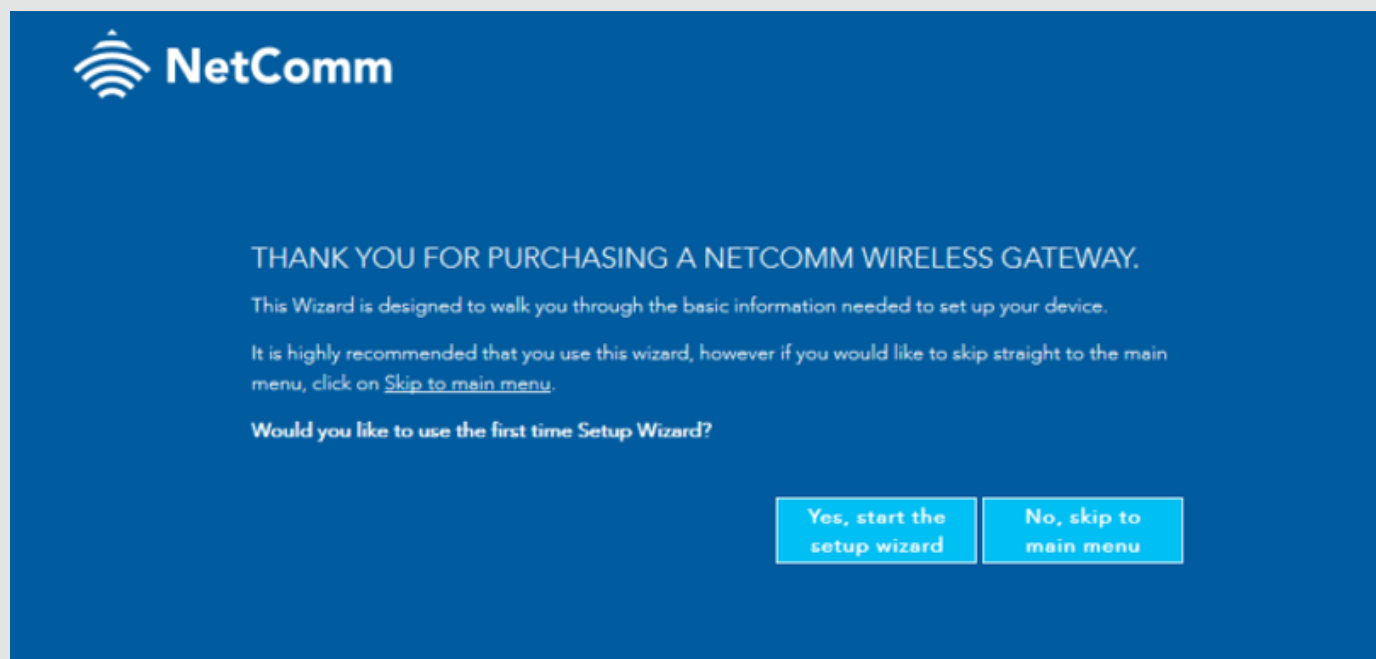
(such as Mozilla Firefox or Google Chrome), type <http://cloudmesh.net> into the address bar and press **Enter**. If you encounter difficulties connecting, type <http://192.168.20.1> and press **Enter**.

3. At the login screen

Type **admin** into the **Username** field. In the **Password** field, enter the password printed on the gateway label (affixed to the back panel of the gateway) then click the **Login >** button.

Note - The graphics that appear in the section represent the display from a Windows browser. The same graphics will display differently when viewed on a hand held device.

USING THE FIRST-TIME SETUP WIZARD



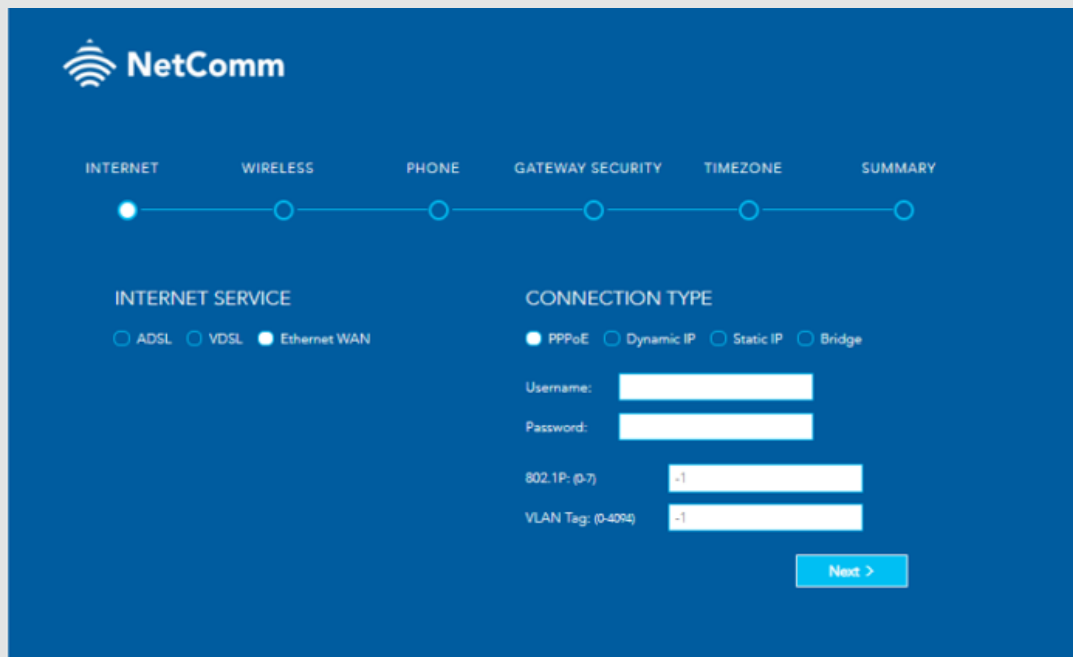
Upon first login

The gateway displays the first-time setup wizard.

We recommend using the wizard to configure your Internet connection.

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

USING THE FIRST-TIME SETUP WIZARD ETHERNET WAN



The screenshot shows the NetComm first-time setup wizard. At the top, there is a progress bar with six steps: INTERNET, WIRELESS, PHONE, GATEWAY SECURITY, TIMEZONE, and SUMMARY. The INTERNET step is currently selected and highlighted. Below the progress bar, there are two main sections: 'INTERNET SERVICE' and 'CONNECTION TYPE'. In the 'INTERNET SERVICE' section, there are three radio buttons: ADSL, VDSL, and Ethernet WAN. The Ethernet WAN option is selected. In the 'CONNECTION TYPE' section, there are four radio buttons: PPPoE, Dynamic IP, Static IP, and Bridge. The PPPoE option is selected. Below these radio buttons, there are input fields for 'Username:', 'Password:', '802.1P: (0-7)', and 'VLAN Tag: (0-4095)'. The '802.1P' and 'VLAN Tag' fields have a value of '-1' entered. A 'Next >' button is located at the bottom right of the form.

1. Under Internet Services

select Ethernet WAN.

2. Under Connection Type

select PPPoE.

3. Enter the details

Enter the details required for your specific Connection Type.

USING THE FIRST-TIME SETUP WIZARD ETHERNET WAN

CONNECTION TYPE

☒ PPPoE ☐ Dynamic IP ☐ Static IP ☐ Bridge

Username:

Password:

802.1P: (0-7)

VLAN Tag: (0-4094)

Next >

OR

CONNECTION TYPE

☐ PPPoE ☒ Dynamic IP ☐ Static IP ☐ Bridge

802.1P: (0-7)

VLAN Tag: (0-4094)

Next >

PPPoE

Enter the username and password, 802.1P priority and VLAN Tag provided in your connection email from Tangerine.

When you have finished, click the Next > button to go to the WIRELESS settings

Dynamic IP

Enter the 802.1P priority and VLAN Tag provided in your connection email from Tangerine.

When you have finished, click the Next > button to go to the WIRELESS settings

USING THE FIRST-TIME SETUP WIZARD ETHERNET WAN

OR

CONNECTION TYPE

☐ PPPoE ☐ Dynamic IP ☒ Static IP ☐ Bridge

WAN IP Address:

10.10.25.34

WAN Subnet Mask:

255.255.255.0

WAN Gateway IP Address:

10.10.25.1

Primary DNS server:

1.1.1.1

Secondary DNS server:

2.2.2.2

802.1P: (0-7)

-1

VLAN Tag: (0-4094)

-1

Next >

OR

CONNECTION TYPE

☐ PPPoE ☐ Dynamic IP ☐ Static IP ☒ Bridge

802.1P: (0-7)

-1

VLAN Tag: (0-4094)

-1

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 provided in your connection email from Tangerine.

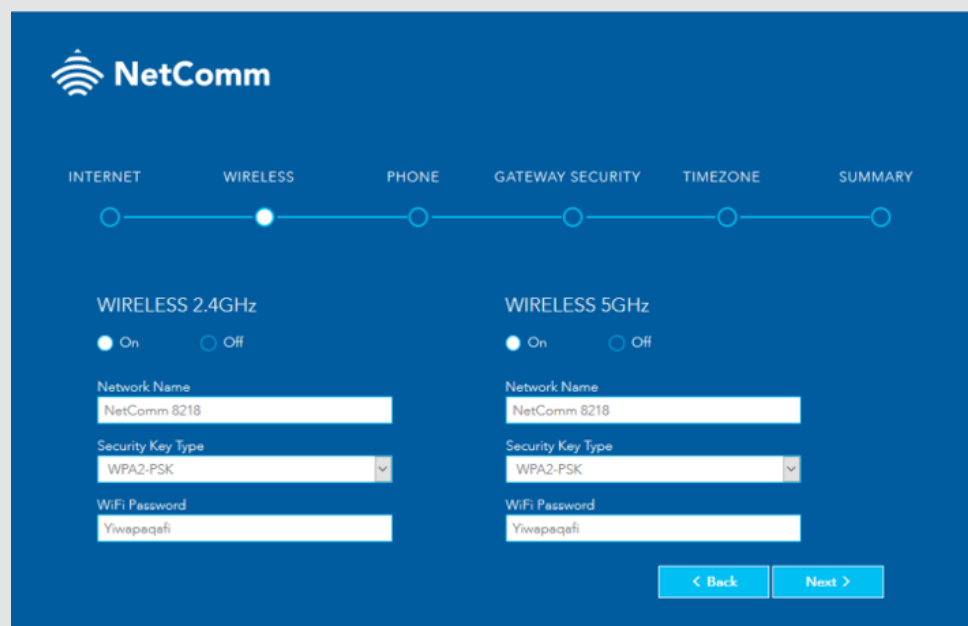
When you have finished, click the Next > button to go to the WIRELESS settings

Bridge

Enter the 802.1P priority and VLAN Tag provided in your connection email from Tangerine.

When you have finished, click the Next > button to go to the WIRELESS settings

USING THE FIRST-TIME SETUP WIZARD WIRELESS



The screenshot shows the NetComm first-time setup wizard. At the top, there is a progress bar with six steps: INTERNET, WIRELESS, PHONE, GATEWAY SECURITY, TIMEZONE, and SUMMARY. The WIRELESS step is currently selected and highlighted. Below the progress bar, there are two sections for configuring wireless networks: WIRELESS 2.4GHz and WIRELESS 5GHz. Each section has a radio button to turn it On or Off. Both are currently set to On. Below each radio button, there are three input fields: Network Name (pre-filled with 'NetComm 8218'), Security Key Type (a dropdown menu showing 'WPA2-PSK'), and WiFi Password (pre-filled with 'Yiwapeqafi'). At the bottom right of the form, there are two buttons: '< Back' and 'Next >'. The NetComm logo is in the top left corner of the form.

FOR A SEAMLESS WIFI EXPERIENCE

Please keep the same Network Names and WiFi Passwords for both the 2.4Ghz and 5Ghz networks settings.

1. 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**.

2. When you have finished

click the **Next >** button.

USING THE FIRST-TIME SETUP WIZARD PHONE



The screenshot shows the NetComm first-time setup wizard. At the top, there is a progress bar with six steps: INTERNET, WIRELESS, PHONE, GATEWAY SECURITY, TIMEZONE, and SUMMARY. The 'PHONE' step is currently selected and highlighted. Below the progress bar, a note states: "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." The main area is divided into two columns for 'PHONE LINE 1' and 'PHONE LINE 2'. Each column contains input fields for: Phone Number, SIP Username, SIP Password, SIP Proxy Server, SIP Registrar Server, and SIP Outbound Proxy *. At the bottom right, there are two buttons: '< Back' and 'Next >'. A small footnote at the bottom center reads: '* Optional field, leave blank if you don't have this information.'

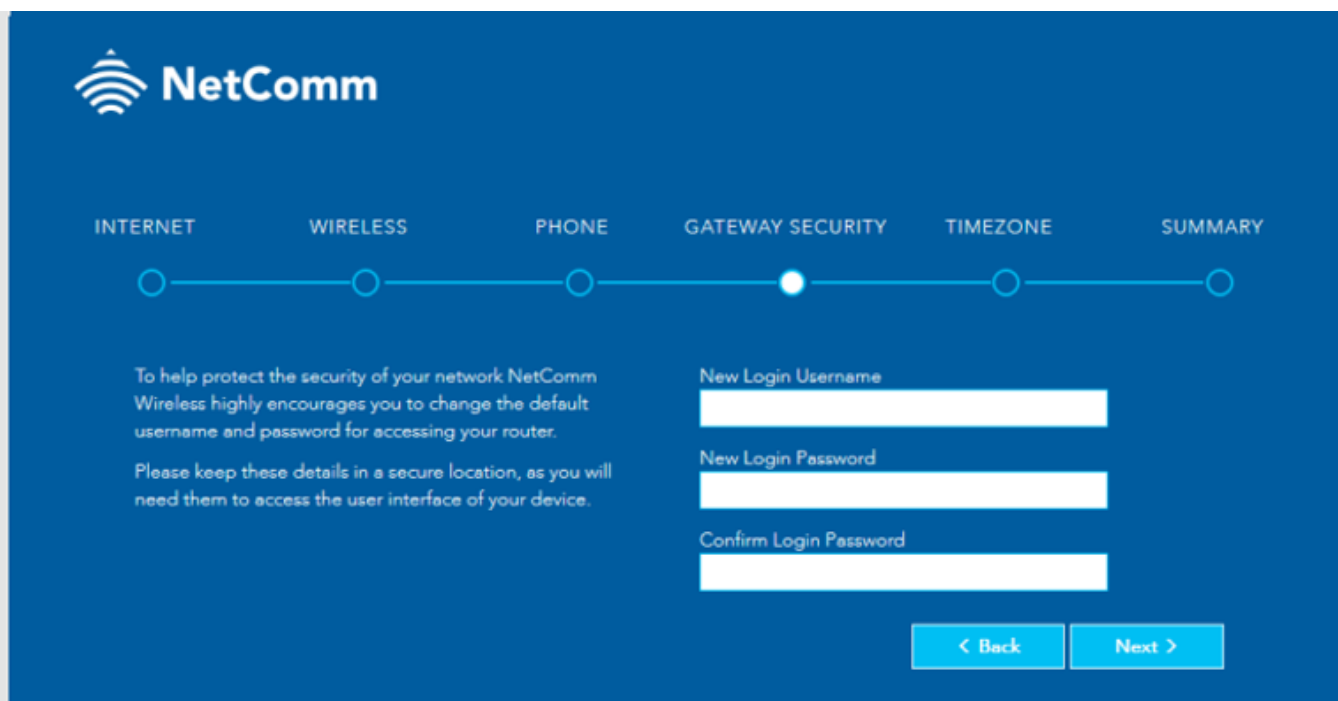
1. Configuration of VoIP telephone is optional

If you do not intend to use a telephone handset with the gateway, click the **Next >** button to skip this section

2. 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 **Tangerine**. click the **Next >** button when you have finished.

USING THE FIRST-TIME SETUP WIZARD GATEWAY SECURITY



The screenshot shows the NetComm Gateway Security Setup Wizard. At the top, the NetComm logo is displayed. Below it, a progress bar indicates the current step: GATEWAY SECURITY. The progress bar has six steps: INTERNET, WIRELESS, PHONE, GATEWAY SECURITY (highlighted), TIMEZONE, and SUMMARY. Below the progress bar, there is a text box on the left and three input fields on the right. The text box contains the following text: "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." The three input fields are labeled "New Login Username", "New Login Password", and "Confirm Login Password". At the bottom right, there are two buttons: "< Back" and "Next >".

1. We highly recommend

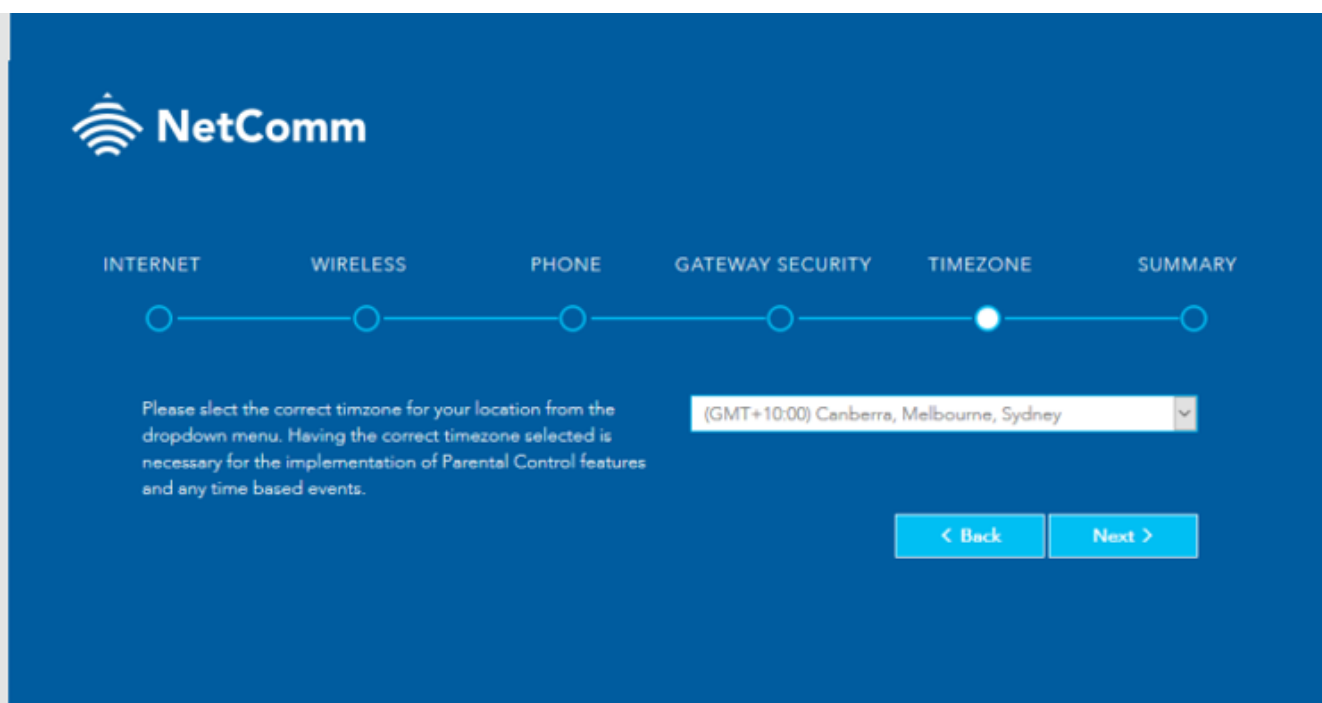
that you configure a new username and password to access the gateway.

2. 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.

USING THE FIRST-TIME SETUP WIZARD TIMEZONE



The screenshot shows the NetComm first-time setup wizard. At the top is the NetComm logo. Below it is a progress bar with seven 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 >".

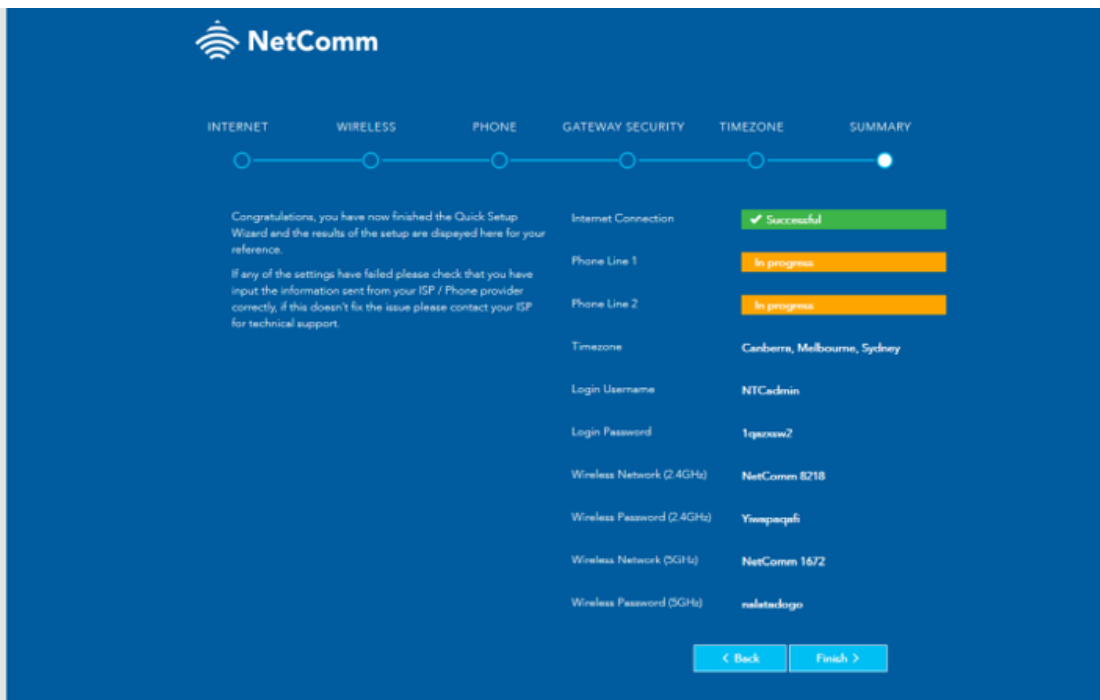
1. Specify the timezone

where the gateway is located for correct time keeping and the log-keeping function of the gateway.

2. Click the Next > button

when you have chosen the correct timezone.

USING THE FIRST-TIME SETUP WIZARD SUMMARY



1. 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.

2. When you click the Finish > button

the gateway returns you to the **SUMMARY** page.