

# Port Triggering Setup Guide for VPN connections

**NF18MESH**



Doc No. FA01254


## Copyright

Copyright© 2020 Casa Systems, Inc. All rights reserved.

The information contained herein is proprietary to Casa Systems, Inc. No part of this document may be translated, transcribed, reproduced, in any form, or by any means without prior written consent of Casa Systems, Inc.

Trademarks and registered trademarks are the property of Casa Systems, Inc or their respective subsidiaries. Specifications are subject to change without notice. Images shown may vary slightly from the actual product.

Previous versions of this document may have been issued by NetComm Wireless Limited. NetComm Wireless Limited was acquired by Casa Systems Inc on 1 July 2019.

 **Note** – This document is subject to change without notice.

## Document history

This document relates to the following product:

### Casa Systems NF18MESH

Ver.	Document description	Date
v1.0	First document release	23 June 2020

*Table i. – Document revision history*

# Port Triggering for VPN Setup Guide

If you have a VPN client software such as Cisco VPN client or Nortel connectivity client running on your computer behind the NF18MESH, and if you are not able to connect to VPN, then please refer to the instructions below.

This guide has been revised to include the latest changes and updates from the NF18MESH's new NC2 web user interface.

## Log in to the web interface

- 1 Open a web browser (such as Internet Explorer, Google Chrome or Firefox), type following address into the address bar and press enter.

<http://cloudmesh.home> or <http://192.168.20.1>

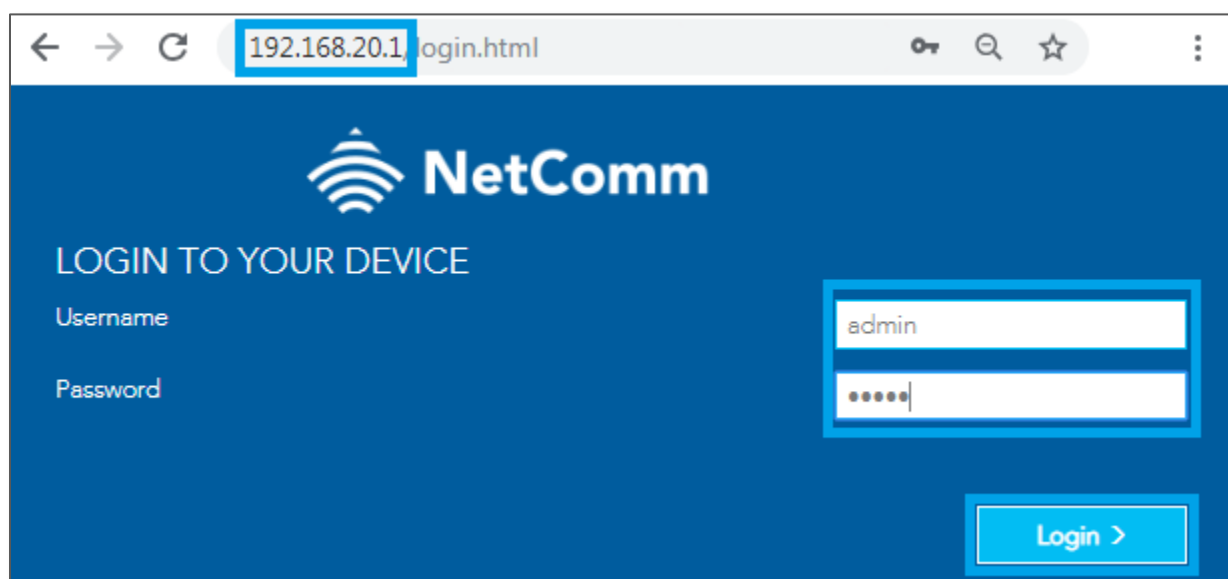
Enter the following credentials:

Username: admin

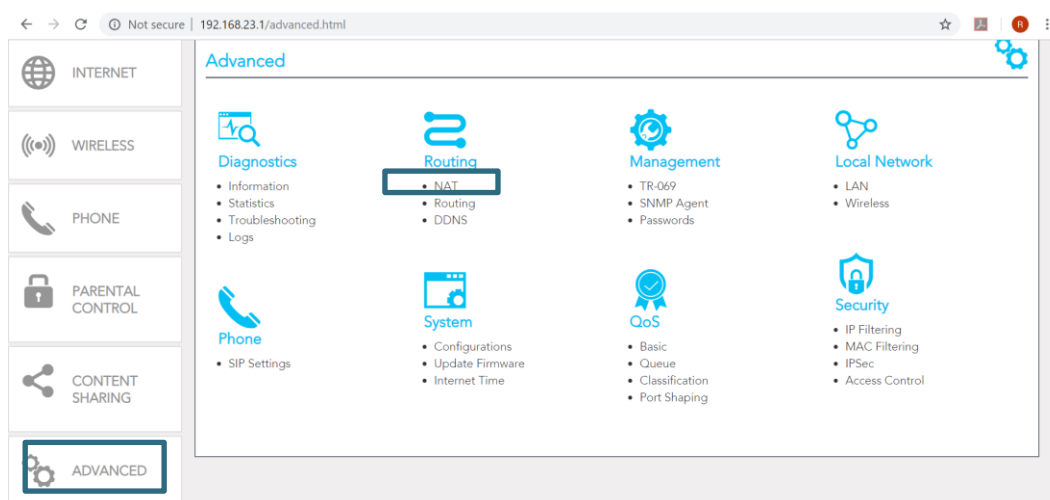
Password: <The password printed on the back of the modem>

then click the **Login** button.

**NOTE – Some Internet Service Providers use custom password. If login fails, contact your Internet Service Provider. Use your own password if it is changed.**



- Click on the **Advanced** menu at the left of the page, then under **Routing** click on **NAT**.



- Under Port Triggering option click on **ADD** button.

a different port number used by the server on the LAN side. A maximum 32 entries can be configured.

Server Name	External Port Start	External Port End	Protocol	Internal Port Start	Internal Port End	Server IP Address	WAN Interface	LAN Loopback	Action	Delete
Add										

**Port Triggering**

Some applications require that specific ports in the Router's firewall be opened for access by the remote parties. Port Trigger dynamically opens up the 'Open Ports' in the firewall when an application on the LAN initiates a TCP/UDP connection to a remote party using the 'Triggering Ports'. The Router allows the remote party from the WAN side to establish new connections back to the application on the LAN side using the 'Open Ports'. A maximum 32 entries can be configured.

Application Name	Trigger		Open		WAN Interface	Remove
	Protocol	Port Range	Protocol	Port Range		
		Start End		Start End		
Add						

DMZ Host

- Please leave **User Interface** as default.
- Type **Service Name**. Example: **VPN**
- Add Port Start and Port End as you required (Range of ports that you want to open). Select port type UDP or TCP. click on **Apply/Save**.

### Add Port Triggering Rules

Some applications such as games, video conferencing, remote access applications and others require that specific ports in the Router's firewall be opened for access by the applications. You can configure the port settings from this screen by selecting an existing application or creating your own (Custom application) and click "Save/Apply" to add it.

Remaining number of entries that can be configured:

Use Interface: ADSL\_Exetel/ppp0.1

Service Name: VPN

Trigger Port Start: 1723

Trigger Port End: 1723

Trigger Protocol: TCP

Open Port Start: 1723

Open Port End: 1723

Open Protocol: TCP

Apply/Save Close

#### Port Triggering

Some applications require that specific ports in the Router's firewall be opened for access by the remote parties. Port Trigger dynamically opens up the 'Open Ports' in the firewall when an application on the LAN initiates a TCP/UDP connection to a remote party using the 'Triggering Ports'. The Router allows the remote party from the WAN side to establish new connections back to the application on the LAN side using the 'Open Ports'. A maximum 32 entries can be configured.

Application Name	Trigger		Open		WAN Interface	Remove
	Protocol	Port Range Start End	Protocol	Port Range Start End		
VPN	TCP	1723 1723	TCP	1723 1723	ppp0.1	Delete

Add

7 If we want to add more port click on **ADD** button and add **UDP 500** click on **Apply/Save**

### Add Port Triggering Rules

Some applications such as games, video conferencing, remote access applications and others require that specific ports in the Router's firewall be opened for access by the applications. You can configure the port settings from this screen by selecting an existing application or creating your own (Custom application) and click "Save/Apply" to add it.

Remaining number of entries that can be configured:

Use Interface: ADSL\_Exetel/ppp0.1

Service Name: VPN

Trigger Port Start: 500

Trigger Port End: 500

Trigger Protocol: UDP

Open Port Start: 500

Open Port End: 500

Open Protocol: UDP

Apply/Save Close

## Port Triggering

Some applications require that specific ports in the Router's firewall be opened for access by the remote parties. Port Trigger dynamically opens up the 'Open Ports' in the firewall when an application on the LAN initiates a TCP/UDP connection to a remote party using the 'Triggering Ports'. The Router allows the remote party from the WAN side to establish new connections back to the application on the LAN side using the 'Open Ports'. A maximum 32 entries can be configured.

Application Name	Trigger		Open			WAN Interface	Remove	
	Protocol	Port Range		Protocol	Port Range			
		Start	End		Start			End
VPN	TCP	1723	1723	TCP	1723	1723	ppp0.1	Delete
VPN	UDP	500	500	UDP	500	500	ppp0.1	Delete

Add

- 8 Again click on **ADD** button and add **TCP 1701** click on **Apply/Save**

## Add Port Triggering Rules

Some applications such as games, video conferencing, remote access applications and others require that specific ports in the Router's firewall be opened for access by the applications. You can configure the port settings from this screen by selecting an existing application or creating your own (Custom application) and click "Save/Apply" to add it.

Remaining number of entries that can be configured:

Use Interface: ADSL\_Exetel/ppp0.1

Service Name: VPN

Trigger Port Start: 1701

Trigger Port End: 1701

Trigger Protocol: TCP

Open Port Start: 1701

Open Port End: 1701

Open Protocol: TCP

Apply/Save

## Port Triggering

Some applications require that specific ports in the Router's firewall be opened for access by the remote parties. Port Trigger dynamically opens up the 'Open Ports' in the firewall when an application on the LAN initiates a TCP/UDP connection to a remote party using the 'Triggering Ports'. It allows the remote party from the WAN side to establish new connections back to the application on the LAN side using the 'Open Ports'. A maximum 32 entries can be configured.

Application Name	Trigger		Open			WAN Interface	Remove	
	Protocol	Port Range		Protocol	Port Range			
		Start	End		Start			End
VPN	TCP	1723	1723	TCP	1723	1723	ppp0.1	Delete
VPN	UDP	500	500	UDP	500	500	ppp0.1	Delete
VPN	TCP	1701	1701	TCP	1701	1701	ppp0.1	Delete

Add

- 9 Once the port triggering rules have been created you should be able to establish your VPN connection.