

Wireless Security Setup Guide

NF20 / NF20MESH

Wireless Security Overview

To guard your home network against attack and prevent unauthorised access, it is very important that you secure it with correct authentication type, encryption and strong secure password. By default, NF19MESH has secure authentication type, encryption and randomly generated unique secure password however you can update it to more secure password or change authentication type or encryption method based on your wireless clients.

If you are planning to change the Wi-Fi network name, password, authentication type or encryption it is recommended to keep it same for both 2.4 GHz and 5 GHz band. This will allow the wireless clients to auto select suitable band and for optimum MESH performance.

Changing the wireless password

- 1 Connect your device to the Gateway using wired or wireless connection.



Important – A computer connected using an Ethernet cable is strongly recommended.

- 2 Open a web browser (such as Internet Explorer, Google Chrome, Safari or Mozilla Firefox), type following address into the address bar and press **Enter**.

<http://192.168.20.1>

- 3 Enter Gateway Login **Username** and **Password** printed on the label at the bottom of Gateway and press **Login**.



Login screen



Note –

If no authentication prompt is displayed or you see a request time out message, refer to “*NF20-NF20MESH Connect to Gateway Web Interface Guide*” from the FAQs section.

Wi-Fi 2.4GHz/WiFi 5GHz

The gateway allows you to maintain separate wireless settings for both **2.4GHz** and **5GHz** wireless services.

- 1 Select the service you want to use (or both) and separately configure them:

2.4 GHz Wireless configuration pages

Device Info
Basic Setup
Advanced Setup
Wi-Fi
2.4GHz
SSID
Security
WPS
MAC Filter
Advanced
5GHz

5 GHz Wireless configuration pages

Device Info
Basic Setup
Advanced Setup
Wi-Fi
2.4GHz
5GHz
SSID
Security
WPS
MAC Filter
Advanced



Important –

It is recommended that you use the same Wi-Fi **Network Name (SSID)** and **password** for both 2.4 GHz and 5 GHz Wi-Fi bands, this allows clients to choose the more suitable band automatically.

Wireless – Basic (Change SSID)

- 1 Navigate to Wi-Fi > 2.4 GHz/5 GHz > Basic.
- 2 Confirm that **Enable Wireless** and **Broadcast SSID** are **Enabled**.

Device Info Basic Setup Advanced Setup Wi-Fi 2.4GHz SSID Security WPS MAC Filter Advanced 5GHz Voice Diagnostics Management Logout	SSID This page allows you to configure the Virtual interfaces for each Physical interface.
	Wireless Interface: NetComm 8386 (enabled)
	Enable Wireless: Enabled
	Network Name (SSID): NetComm 8386
	Broadcast SSID: Enabled
	AP Isolation: Off
	Max Clients: 32
	WMM Advertise: Advertise
	Apply Cancel

- 3 Delete the old Wi-Fi **Network Name (SSID)**, in this example the old Wi-Fi network name/SSID is **NetComm 8386**, and enter a new SSID.
- 4 Press the **Apply** button.

Wireless – Security

Selecting a wireless security type:

We highly recommend that you do not change the **Network authentication** type.

Use the default “**WPA2-PSK**” authentication type because it is the most secure one. Changing it to another type such as WEP will compromise the security of the gateway.

Selecting a wireless security key:

We do not recommend changing the wireless security key from the default setting. It is randomly generated, reasonably secure and unique to each unit. Your client devices will still have same password even if the Gateway is reset to factory default settings. If you want to change it to a more secure password, add numbers and special characters along with upper-case and lower-case characters. Generally speaking, the longer the password, the more secure it is.

To change the Wi-Fi security key, navigate to **Wi-Fi > 2.4GHz/5GHz > Security**.

Delete all the dots (encrypted password) in the **WPA passphrase** text entry field. Enter a new password, click **Click here to display button** to verify the password and click **Apply** button.

Device Info Basic Setup Advanced Setup Wi-Fi 2.4GHz SSID Security WPS MAC Filter Advanced 5GHz Voice Diagnostics Management Logout	SECURITY This page allows you to configure security for the wireless LAN interfaces. Wireless Interface: NetComm 8386 Network Authentication: WPA2-PSK WPA Encryption: AES WPA Passphrase: Wfbavfdgy Click here to display Protected Management Frames: Off Network Key Rotation Interval: 0 Apply
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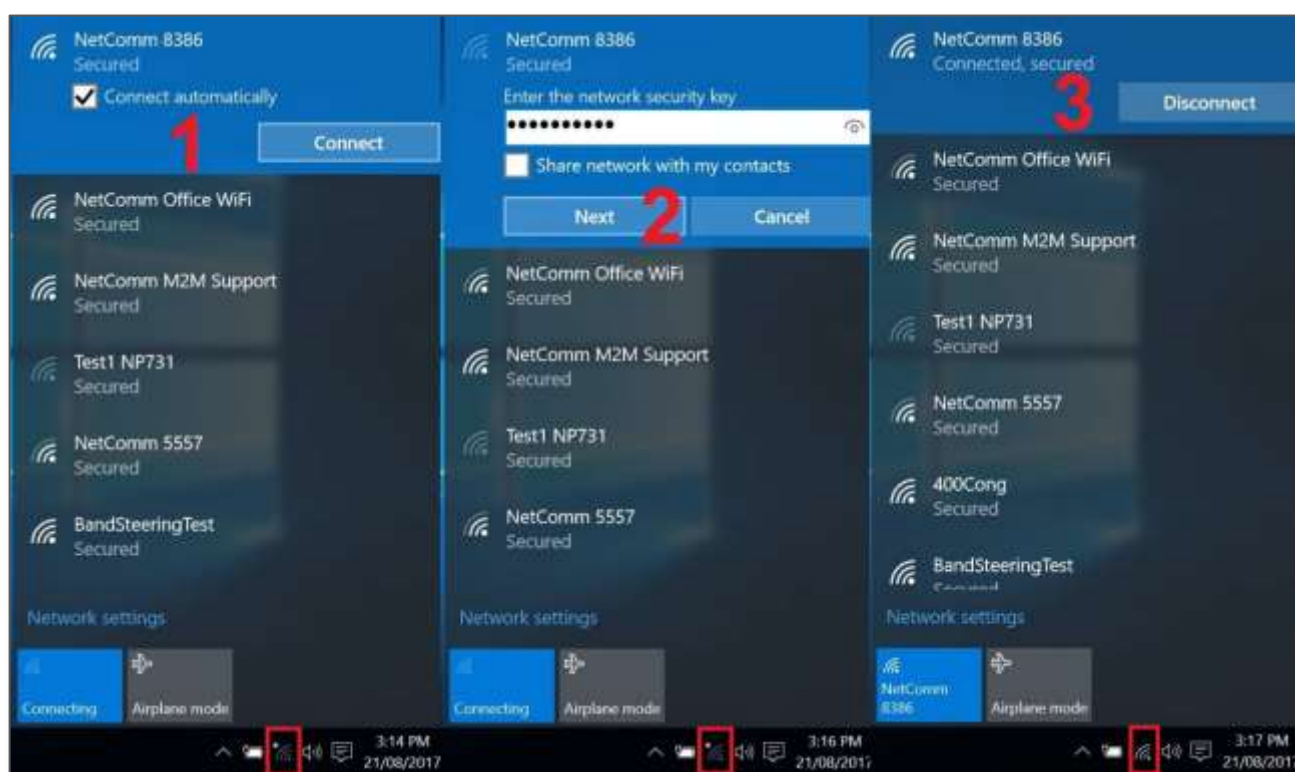
Connecting to your Wireless Network

Use your client device to scan for the network name, select the new Wi-Fi network name/SSID (For example: **NetComm 8386**) and enter the new Wi-Fi password to join the network.

Windows 10

The following is an example of connecting to the Wi-Fi network using Windows 10.

- 1 Click the wireless symbol in the bottom right corner of the device. A list of detected networks within range of your computer is displayed. Select your Wi-Fi network name (In this example, it is "NetComm 8386") and click **Connect**.
- 2 Enter the WiFi **Network security key**/password and click the **Next** button.
- 3 Your computer connects to the Wi-Fi network.



If you are facing difficulty to connect the Wi-Fi network name, refer to *NF20-NF20MESH Connect to Gateway Web Interface Guide* from the FAQs section.

Apple iPhone

The following is an example of connecting to the Wi-Fi network using an Apple iPhone. On your iPhone, navigate to settings and tap “Wi-Fi”.

When Wi-Fi is turned on, your phone scans for available nearby networks. Tap your Wi-Fi network name/SSID [1] (in this example, it is “NetComm 8386”), enter the Wi-Fi password [2] and press Join [2].



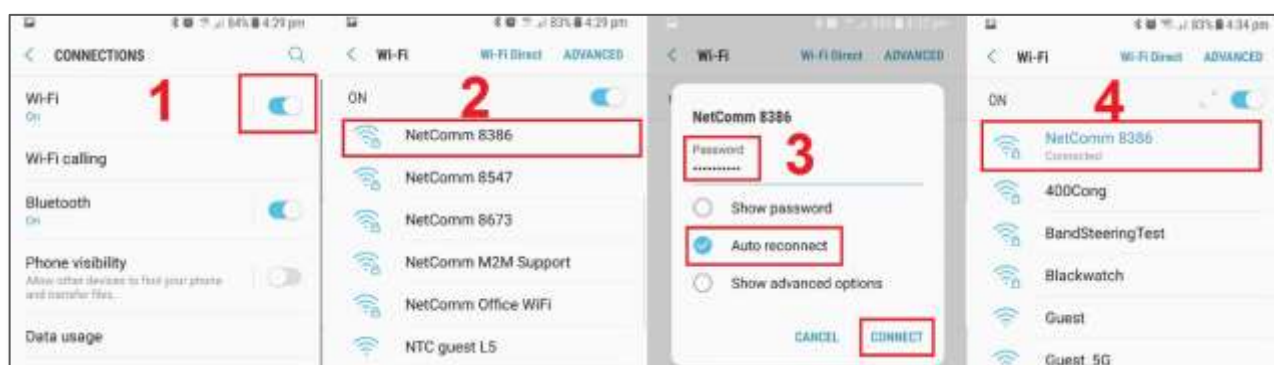
If you are facing difficulty to connect the Wi-Fi network name, refer to *NF20-NF20MESH Connect to Gateway Web Interface Guide* from the FAQs section.

Android

The following is an example of connecting to the Wi-Fi network using an Android phone. On your Android Phone, navigate to **Settings > Connections** and tap **Wi-Fi**.

When **Wi-Fi** is turned **ON** [1], your phone scans for available nearby networks.

Tap your Wi-Fi network name/SSID [2] (in this example, it is “NetComm 8386”), enter the Wi-Fi password [3], select **Auto reconnect** [3] and then select **Connect** [4].

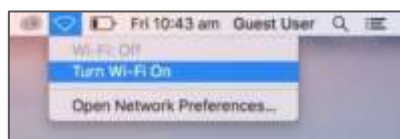


The word **Connected** will appear under your Wi-Fi network name/SSID [4] when the connection is successful.

If you are facing difficulty to connect the Wi-Fi network name, refer to *NF20-NF20MESH Connect to Gateway Web Interface Guide* from the FAQs section.

MacOS

- 1 Click on the **Airport/Wi-Fi** icon at the top right corner of the screen as shown below.



- 2 Click **Turn Wi-Fi On**.



Note – If you cannot see an Airport icon, your wireless adapter may not be installed or inserted correctly. Please refer to your Mac user guide before continuing with the steps in this guide.

- 3 A list of Wi-Fi networks including your WiFi network name/SSID is displayed (in this example, it is "NetComm 8386").



- 4 Click your **WiFi network name/SSID** to connect to this network.
- 5 Enter your WiFi security key/**Password** and click the **Join** button to connect to the Wi-Fi network.



If you enter an incorrect Wi-Fi security key, a message will appear, and you will be prompted to enter the correct key again.

- 6 The Airport icon will now have black lines to indicate signal strength. To see if the computer is connected, click on the Airport icon again. Your Wi-Fi network has a tick next to its name.



The wireless network configuration is complete and you can now use the Internet.

You can disconnect the Ethernet cable, if you wish.