

Generic VoIP Setup Guide

NF20 / NF20MESH

Configuring your Gateway for VOIP Service

Pre-requisite

You need your VoIP account details to be able to configure VoIP Service. Please contact your SIP provider or Internet Service Provider if you do not have the VoIP account details.

Logging in to the web interface of the Gateway

- 1 Connect your computer to the Gateway using a wired or wireless connection. We recommend connecting via Ethernet cable.
- 2 Open a web browser (such as Internet Explorer, Google Chrome, Safari or Mozilla Firefox), type the following address into the address bar and press **Enter**.
<http://192.168.20.1>
- 3 Enter the Gateway Login **Username** and **Password** printed on the label at the bottom of the Gateway and click on the **Login** button.

The image shows the login interface of a NetComm Wi-Fi 6 Gateway. It has a dark blue background. At the top center is the NetComm logo, which consists of a stylized blue wave icon followed by the text "NetComm" in white. Below the logo, the text "Welcome to your Wi-Fi 6 Gateway" is displayed in white. In the center, there are two white rectangular input fields with blue borders. The first field is labeled "Username" and the second is labeled "Password". Below these fields is a solid blue rectangular button with the word "Login" in white. At the bottom of the screen, a small line of white text reads: "You can find your username and password on the Wi-Fi 6 Gateway's label."

Please ensure that your Gateway is running the latest Firmware/Software version. You can find the latest firmware version at the following link:

<https://support.netcommwireless.com/products/>

Device Info

Manufacturer:	NetComm Wireless
Product Class:	NF20MESH
Serial Number:	055725211000002
Build Timestamp:	20210609_1808
Software Version:	NF20MESH.NC.UR-R6B019.EN
Bootloader (CFE) Version:	1.0.38-163.243
DSL PHY and Driver Version:	A2pv6L046v_rc7.d27j
VDSL PROFILE:	No profile
Wireless Driver Version:	17.10.121.39
Voice Service Version:	Voice
Uptime:	1D 2H 58M 9S

Configuring the VoIP Service

- 1 Click on **Voice** from the left-side menu and then click on **SIP Basic Setting**:

Voice -- SIP Basic Setting

Bound Interface Name: Any_WAN

Country: AUS - AUSTRALIA

sip local port(1-65535): 5060

☒ Use SIP Proxy.

SIP Proxy: sip.myvoipservice.com

SIP Proxy port: 5060

☐ Use SIP Outbound Proxy.

☒ Use SIP Registrar.

SIP Registrar: sip.myvoipservice.com

SIP Registrar port: 5060

☐ Use SIP Proxy2.

☐ Use SIP Outbound Proxy2.

☐ Use SIP Registrar2.

SIP Account	1	2
Account Enabled	☒	☒
Polarity Reverse Enable	☐	☐
Authentication name	12345678	
Password	*****	
Cid Name	12345678	
Cid Number	12345678	

codec--line 1	ptime[ms]	priority	enable	codec--line 2	ptime[ms]	priority	enable
G711U	20	1 (1-100)	☒	G711U	20	1 (1-100)	☒

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- 2 Select the correct **Bound Interface Name** from your Internet WAN Service Connection or you can select **Any_WAN**.

- 3 Select **Use SIP Proxy for SIP Account 1**, and **Use SIP Registrar for SIP Account 1** and fill them with the SIP Domain name as given by your VoIP Provider.

If you have a second VoIP account then also select *Use SIP Proxy for SIP Account 2*, and *Use SIP Registrar for SIP Account 2* and fill them with the SIP Domain name as given by your VoIP Provider; otherwise don't select them.

- 4 Select **Account Enabled 1** if you only use 1 VoIP account and select **Account Enabled 2** as well if you use two VoIP accounts.
- 5 Type in your **Authentication Name**, **Cid Name** and **Cid Number** by using your VoIP Phone number. Use the same number for **Authentication name** as well or use the correct VoIP username if it's different from your phone number.
- 6 Type in your **VoIP password** as given to you by your VoIP Service Provider, then click on the **Apply** button.
- 7 Click on **SIP Advanced Setting** and ensure **Enable RTCP Flow Control** is selected, **DTMF Relay Setting** is set to **RFC2833** and **SIP Transfer Protocol** is set to **UDP**. Click on the **Apply** button.

- 8 If all the settings are correct then select **VoIP Status** and you should see **Registration Status** as UP. This means the VoIP service is running and is ready to be used.

Device Info

Basic Setup

Advanced Setup

Wi-Fi

Voice

VoIP Status

SIP Basic Setting

SIP Advanced Setting

SIP Star Code Setting

SIP Extra Setting

SIP Error Information

Diagnostics

Management

Logout

Voice -- Voice Status

Account denial will display "Disabled", registered successfully will display "Up", and unregistered will display "Down".

SIP Account	Call Time	User Accounts	Registration Status	Hook Status	Call Status
1	0:00:00		Down	On Hook	Idle
2	0:00:00		Down	On Hook	Idle

Registration Status should be Up

Active call monitoring

Calling number	Called number	Source IP	Destination IP	Port used	Duration	Direction	Packets sent	Packets received	Packets lost

Call history:

Index	Calling number	Called number	Source IP	Destination IP	Port used	Duration	Direction	Packets sent	Packets received	Packets lost	Timestamp

9 Check for a dial tone on your phone handset.

The VoIP account should now be active and you are now able to make and/or receive VoIP phone calls (depending on the type of VoIP account you are using).