

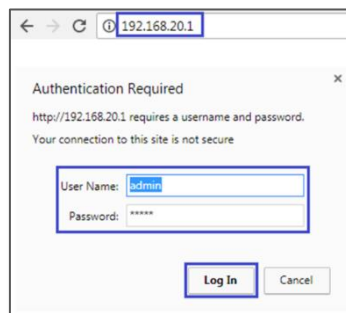
Configuring your NF18ACV for VOIP Service

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.

The following steps will take you through the process of setting up your VOIP connection.

- 1 Open a web browser (such as Internet Explorer, Google Chrome or Firefox), type **http://192.168.20.1** into the address bar and press **enter**.



- 2 At the login screen, type admin into both the User Name and the Password fields and click Log In.
- 3 Please ensure that your NF18ACV is running the latest firmware version, you can find the latest firmware version for NF18ACV from the following link:

<http://support.netcommwireless.com/product/nf18acv>

NF18ACV

Device Info

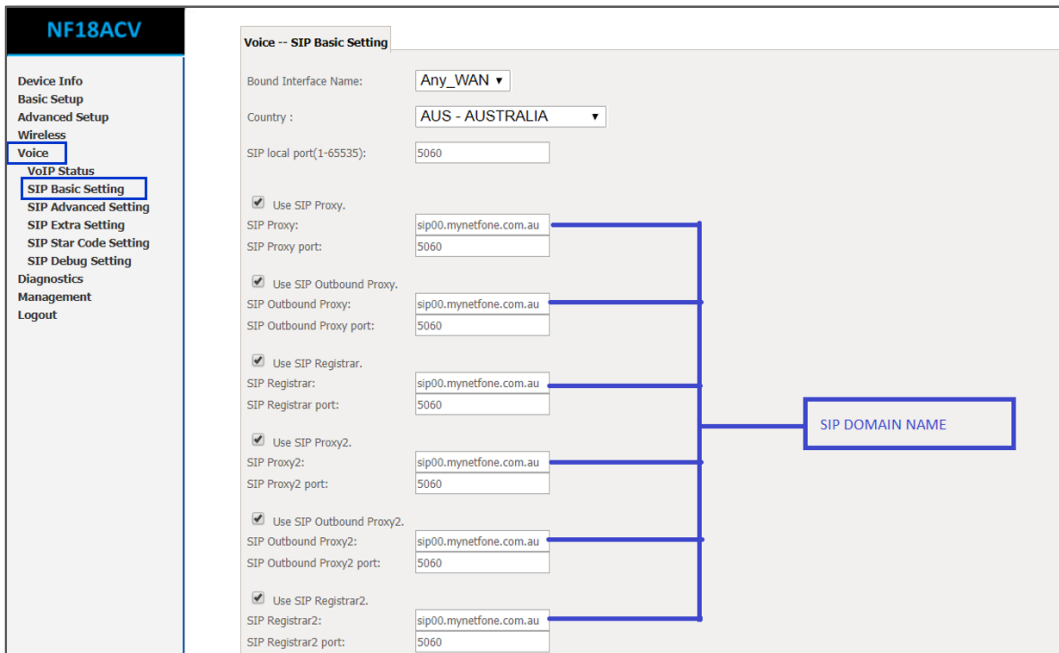
- Device Info
- Basic Setup
- Advanced Setup
- Wireless
- Voice
- Diagnostics
- Management
- Logout

| | |
|-----------------------------|-------------------------|
| Manufacturer: | NetComm Wireless |
| Product Class: | NF18ACV |
| Serial Number: | 170714500050 |
| Build Timestamp: | 170427_1444 |
| Software Version: | NF18ACV.NC.AU-R6B015.EN |
| Bootloader (CFE) Version: | 1.0.38-118.3 |
| DSL PHY and Driver Version: | A2pv6F039v.d26k1 |
| VDSL PROFILE: | No profile |
| Wireless Driver Version: | 7.35.260.64013 |
| Voice Service Version: | Voice |
| Uptime: | 0D 6H 12M 12S |

This information reflects the current status of your WAN connection.

Line Rate - Unstream (Kbps): 0

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



NF18ACV

Device Info
Basic Setup
Advanced Setup
Wireless
Voice
VoIP Status
SIP Basic Setting
SIP Advanced Setting
SIP Extra Setting
SIP Star Code Setting
SIP Debug Setting
Diagnostics
Management
Logout

Voice -- SIP Basic Setting

Bound Interface Name: Any_WAN ▾

Country : AUS - AUSTRALIA ▾

SIP local port(1-65535): 5060

Use SIP Proxy.
SIP Proxy: sip00.mynetfone.com.au
SIP Proxy port: 5060

Use SIP Outbound Proxy.
SIP Outbound Proxy: sip00.mynetfone.com.au
SIP Outbound Proxy port: 5060

Use SIP Registrar.
SIP Registrar: sip00.mynetfone.com.au
SIP Registrar port: 5060

Use SIP Proxy2.
SIP Proxy2: sip00.mynetfone.com.au
SIP Proxy2 port: 5060

Use SIP Outbound Proxy2.
SIP Outbound Proxy2: sip00.mynetfone.com.au
SIP Outbound Proxy2 port: 5060

Use SIP Registrar2.
SIP Registrar2: sip00.mynetfone.com.au
SIP Registrar2 port: 5060

SIP DOMAIN NAME

- 5 Please select the correct **Bound Interface Name** from your Internet WAN Service Connection or you can select **Any_WAN**
- 6 Please note for **SIP Domain Name**: Please leave it blank unless required by your VoIP Provider.
- 7 Tick **Use SIP Proxy for SIP Account 1**, **Use SIP Outbound 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.
- 8 *If you have 2nd VoIP account then please also tick **Use SIP Proxy for SIP Account 2**, **Use SIP Outbound 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 tick them.*
- 9 Tick **Account Enabled 1** if you only use 1 VoIP account and tick **Account Enabled 2** as well if you use 2 VoIP accounts.
- 10 Type in your **Authentication Name**, **Cid Name** and **Cid Number** by using your VoIP Phone number and use the same number for **Authentication name** as well or use the correct VoIP username if it's different from your phone number.
- 11 Type in your **VoIP password** as given to you by your VoIP Service Provider.
- 12 Click the **Apply** button.

NF18ACV

Device Info
 Basic Setup
 Advanced Setup
 Wireless
 Voice
 VoIP Status
 SIP Basic Setting
 SIP Advanced Setting
 SIP Extra Setting
 SIP Star Code Setting
 SIP Debug Setting
 Diagnostics
 Management
 Logout

Use SIP Outbound Proxy2.
 SIP Outbound Proxy2: sip00.mynetfone.com.au
 SIP Outbound Proxy2 port: 5060

Use SIP Registrar2.
 SIP Registrar2: sip00.mynetfone.com.au
 SIP Registrar2 port: 5060

| SIP Account | 1 | 2 |
|-------------------------|-------------------------------------|-------------------------------------|
| Account Enabled | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Polarity Reverse Enable | <input type="checkbox"/> | <input type="checkbox"/> |
| Authentication name | 09288300 | 09288301 |
| Password | ***** | ***** |
| Cid Name | 09288300 | 09288301 |
| Cid Number | 09288300 | 09288301 |

| codec--line 1 | ptime[ms] | priority | enable | codec--line 2 | ptime[ms] | priority | enable |
|---------------|-----------|-----------|-------------------------------------|---------------|-----------|-----------|-------------------------------------|
| G711U | 20 | 1 (1-100) | <input checked="" type="checkbox"/> | G711U | 20 | 1 (1-100) | <input checked="" type="checkbox"/> |
| G711A | 20 | 2 (1-100) | <input checked="" type="checkbox"/> | G711A | 20 | 2 (1-100) | <input checked="" type="checkbox"/> |
| G723_63 | 30 | 3 (1-100) | <input checked="" type="checkbox"/> | G723_63 | 30 | 3 (1-100) | <input checked="" type="checkbox"/> |
| G726_24 | 20 | 4 (1-100) | <input checked="" type="checkbox"/> | G726_24 | 20 | 4 (1-100) | <input checked="" type="checkbox"/> |
| G726_32 | 20 | 5 (1-100) | <input checked="" type="checkbox"/> | G726_32 | 20 | 5 (1-100) | <input checked="" type="checkbox"/> |
| G726_16 | 20 | 6 (1-100) | <input checked="" type="checkbox"/> | G726_16 | 20 | 6 (1-100) | <input checked="" type="checkbox"/> |
| G726_40 | 20 | 7 (1-100) | <input checked="" type="checkbox"/> | G726_40 | 20 | 7 (1-100) | <input checked="" type="checkbox"/> |
| G722 | 20 | 8 (1-100) | <input checked="" type="checkbox"/> | G722 | 20 | 8 (1-100) | <input checked="" type="checkbox"/> |

13 Please click **SIP Advance Setting** and ensure **Enable RTCP Flow Control** is ticked and **DTMF Relay Setting** is **RFC2833** and **SIP Transfer Protocol** is **UDP**.

14 Click the **Apply** button.

NF18ACV

Device Info
 Basic Setup
 Advanced Setup
 Wireless
 Voice
 VoIP Status
 SIP Basic Setting
 SIP Advanced Setting
 SIP Extra Setting
 SIP Star Code Setting
 SIP Debug Setting
 Diagnostics
 Management
 Logout

Enable VAD support VAD mode in signal: None

Enable RTCP Flow Ctrl

Enable Echo Cancellation

Enable # To ASCII

==SIP Timer Setting==
 Registration Expire Timeout: 3600
 Session Expire Timeout: 1800
 Min Session Expire Time: 90 (need >= 90s)

==Digitmap Setting==

```
000|[*#][0-9*]*#X[0-9*]|00[1-9]XX.t|014XXXXXXXX|016XXXXXXXX|0192X|0198XXXXXXXX|0[23478]XXXXXXXX|0500XXXXXXXX|11XX|123X|124XX|1251XX|1252XXX|1255X|1258XXX|1271X|130XXXXXXXX|13[1-9]XXX|1802XXX|189XX|1[8-9]XXXXXXXX|[2-9]XXXXXXXX
```

Voip Dialpan Setting:

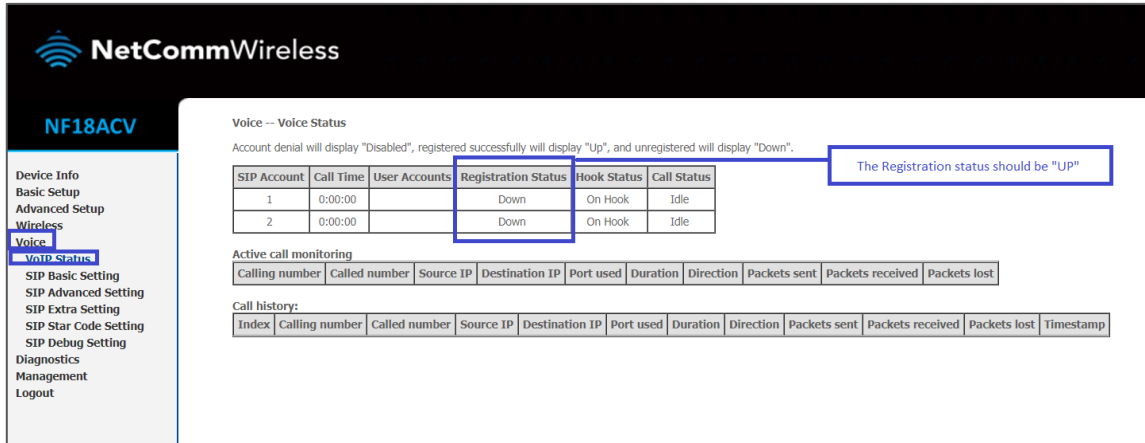
==Qos Setting==
 DSCP for SIP: DEFAULT (000000) ▾
 DSCP for RTP: DEFAULT (000000) ▾
 Ethernet Priority Mark: -1

==Payload Setting==
 RFC2198 Payload Value: 125 (range 97~127)
 Dtmf relay setting: RFC2833 ▾ payload value 120 (range 97~127)

==Call ID Setting==
 Caller ID send Delay Time: 600 (range 500~1500ms)
 Caller ID Message Type: FSK_MDMF ▾
 FSK modulation Mode: BellcoreGen ▾

==Transport Setting==
 SIP Transport protocol: UDP ▾

- 15 If all the settings are correct then please click **VoIP Status** and you should see **Registration Status** as **UP**, it means the VoIP is running and ready to be used.



NetCommWireless

NF18ACV

Device Info
Basic Setup
Advanced Setup
Wireless
Voice
VoIP Status
SIP Basic Setting
SIP Advanced Setting
SIP Extra Setting
SIP Star Code Setting
SIP Debug Setting
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 |

The 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 |
|-------|----------------|---------------|-----------|----------------|-----------|----------|-----------|--------------|------------------|--------------|-----------|
|-------|----------------|---------------|-----------|----------------|-----------|----------|-----------|--------------|------------------|--------------|-----------|

- 16 Check for a dial tone on your phone handset.

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