



NetComm Wireless

NF1Adv VOIP Setup Guide
(for Pennytel)

Configuring your NF1Adv for VOIP Service

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

Step 1: Checking Computer Network Settings:

You will need to connect your computer directly to your VOIP device (modem, or ATA) and set the network connection on your computer to obtain an IP address automatically. Please follow the instructions appropriate for your operating system below:



Below are the instructions for setting Windows XP to obtain an IP address automatically for your ethernet connection:

1. Click on the **Start Menu**, and go to **"Control Panel"**.
2. Click on **"Network Connections"**.
(If you only see **"Network and Internet Connections"**, open that first, and then click on **"Network Connections"**)
3. Right click on **"Local Area Connection"** and select **"Properties"**.
4. Double-click on **"Internet Protocol"**.
5. Select **"Obtain an IP address automatically"**, and **"Obtain DNS server address automatically"**.
6. Click **"OK"**, and then click **"OK"** (or **"Close"**).



Below are the instructions for setting Windows Vista to obtain an IP address automatically for your ethernet connection:

1. Click on the **Start Menu**, and go to **"Control Panel"**.
2. Click on **"Network and Sharing Centre"**.
(If you only see **"Network and Internet"**, open that first, and then click on **"Network and Sharing Centre"**)
3. Click on **"Manage network connections"** (on the left-hand side of the window).
4. Right click on **"Local Area Connection"** and select **"Properties"**.
5. Double-click on **"Internet Protocol Version 4 (TCP/IPv4)"**.
6. Select **"Obtain an IP address automatically"**, and **"Obtain DNS server address automatically"**.
7. Click **"OK"**, and then click **"OK"** again.



Below are the instructions for setting Windows 7 to obtain an IP address automatically for your ethernet connection:

1. Click on the **Start Menu**, and go to "**Control Panel**".
2. Click on "**Network and Sharing Centre**".
(If you only see "**Network and Internet**", open that first, and then click on "**Network and Sharing Centre**")
3. Click on "**Change adapter settings**" (*on the left-hand side of the window*).
4. Right click on "**Local Area Connection**" and select "**Properties**".
5. Double-click on "**Internet Protocol Version 4 (TCP/IPv4)**".
6. Select "**Obtain an IP address automatically**", and "**Obtain DNS server address automatically**".
7. Click "**OK**", and then click "**OK**" again.



Below are the instructions for setting Mac OS X to obtain an IP address automatically for your ethernet connection:

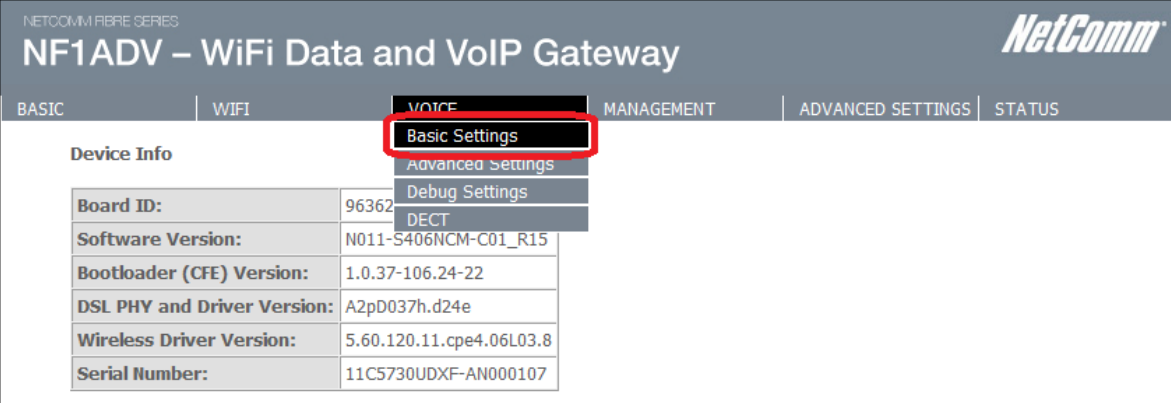
1. Click on the Apple Menu, and go to "**System Preferences**".
2. Click on "**Network**".
3. Click on "**Ethernet**" or "**Built-in Ethernet**".
4. Click on the "**Configure**" drop-down box, and select "**Using DHCP**" then click "**Apply**".

Step 2: Configuring your VOIP settings:

Troubleshooting Tip

One sided VOIP calls may be an indication of a missing or misconfigured port forwarding rule.

1. Navigate to <http://192.168.1.1> in a web browser, using "admin" as both the username and password.
2. Select the **VOICE** menu then click the **Basic Settings** option.



NETCOMM FIBRE SERIES

NF1ADV – WiFi Data and VoIP Gateway

NetComm

BASIC | WIFI | **VOICE** | MANAGEMENT | ADVANCED SETTINGS | STATUS

Device Info

Board ID:	96362
Software Version:	N011-S406NCM-C01_R15
Bootloader (CFE) Version:	1.0.37-106.24-22
DSL PHY and Driver Version:	A2pD037h.d24e
Wireless Driver Version:	5.60.120.11.cpe4.06L03.8
Serial Number:	11C5730UDXF-AN000107

Basic Settings
Advanced Settings
Debug Settings
DECT

3. Enter the following details as given to you by your VoIP Service Provider.

Voice -- Basic Settings

PSTN Settings

Incoming PSTN Call Routing:

PSTN Dial Plan For Outgoing Calls:

Note: This allows you to filter certain calls to pass through the PSTN line rather than VoIP. For example: "000" (single number) or "000[911|100]" (multiple numbers)

VoIP Settings

SIP Account:

Global parameters

Bound Interface Name: (Note: Requires SIP client restart to take affect)

Use **pppoe** if you're using the NF1Adv as a modem/router; use **WAN** if you're using it just as a router

SIP configuration

Enter the SIP parameters and click Start/Stop to save the parameters and start/stop the voice application.

Locale selection*: (Note: Requires SIP client restart to take affect)

SIP domain name*: (Note: Please leave this field blank unless required by your service provider)

Max Digits Setting:

Use SIP Proxy.

SIP Proxy:

SIP Proxy port:

Use SIP Outbound Proxy.

SIP Outbound Proxy:

SIP Outbound Proxy port:

Use SIP Registrar.

SIP Registrar:

SIP Registrar port:

Enable SIP Proxy, Outbound Proxy and Registrar

Use **sip.pennytel.com** and port **5060** or as directed by Pennytel on all three details

SIP Account	For all telephone
Account Enabled	<input checked="" type="checkbox"/>
VoIP Phone Number	<input type="text" value="123456789"/>
Display Name	<input type="text" value="123456789"/>
Auth. ID	<input type="text" value="123456789"/>
Auth. Password	<input type="text" value="****"/>
Preferredptime	<input type="text" value="20"/>
Preferred codec 1	<input type="text" value="G.729a"/>
Preferred codec 2	<input type="text" value="G.711ALaw"/>
Preferred codec 3	<input type="text" value="G.711MuLaw"/>
Preferred codec 4	<input type="text" value="G.726_24"/>
Preferred codec 5	<input type="text" value="G.726_32"/>
Preferred codec 6	<input type="text" value="PCMWIDEBAND"/>

VoIP phone number as given by Pennytel, or as Pennytel directs you

Pennytel VoIP account password

Apply

* Changing this parameter for one service provider affects all other service providers.

SIP Configuration

Locale Selection	Choose your country from the dropdown list
SIP domain name	Keep blank or as directed by Pennytel
Use SIP Proxy	Ensure that this is ticked
SIP Proxy	sip.pennytel.com or as directed by Pennytel
SIP Proxy Port	5060 or as directed by Pennytel
Use SIP Outbound Proxy	Ensure that this is ticked
SIP Outbound Proxy	sip.pennytel.com or as directed by Pennytel
SIP Outbound Proxy Port	5060 or as directed by Pennytel
Use SIP Registrar	Ensure that this is ticked
SIP Registrar	sip.pennytel.com or as directed by Pennytel
SIP Registrar Port	5060 or as directed by Pennytel
Account Enabled	Ensure that this is ticked
VoIP Phone Number	VoIP Account Phone Number as provided by Pennytel
Display Name	VoIP Account Phone Number as provided by Pennytel
Auth. ID	VoIP Account Phone Number as provided by Pennytel
Auth. Password	VoIP Account Password as provided by Pennytel

4. After entering all required fields click on the **Apply** button.
5. Select **Basic** then click on **Home** to check the VoIP connection registration status.

NETCOMM FIBRE SERIES

NF1ADV – WiFi Data and VoIP Gateway

BASIC | WIFI | VOICE | MANAGEMENT

Home | Settings | Quick Setup

Incoming PSTN Call Routing:

PSTN Dial Plan For Outgoing Calls:

Note: This all number) or '(

VoIP Settings

- The VoIP connection registration status should all change to **Up** if all the settings entered are correct and you have a current connection to the internet.

NETCOMM FIBRE SERIES

NF1ADV – WiFi Data and VoIP Gateway

NetComm

BASIC | WIFI | VOICE | MANAGEMENT | ADVANCED SETTINGS | STATUS

Device Info

Board ID:	96362IT-1341N1
Software Version:	N011-S406NCM-C01_R15
Bootloader (CFE) Version:	1.0.37-106.24-22
DSL PHY and Driver Version:	A2pD037h.d24e
Wireless Driver Version:	5.60.120.11.cpe4.06L03.8
Serial Number:	11C5730UDXF-AN000107

This information reflects the current status of your WAN connection.

Line Rate - Upstream (Kbps):	1085
Line Rate - Downstream (Kbps):	21483
LAN IPv4 Address:	192.168.1.1
Default Gateway:	219.88.140.245
Primary DNS Server:	202.137.240.2
Secondary DNS Server:	219.88.243.150
LAN IPv6 Address:	
Default IPv6 Gateway:	
Date/Time:	Fri Oct 26 15:31:35 2012

This information reflects the registration status of your VoIP connection.

DECT 1 Registration Status:	Up
DECT 2 Registration Status:	Up
DECT 3 Registration Status:	Up
DECT 4 Registration Status:	Up
Phone 1 Registration Status:	Up
Phone 2 Registration Status:	Up

- 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).