



# NetCommWireless

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**NF1Adv VOIP Setup Guide**  
(for iiNet)

## **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:

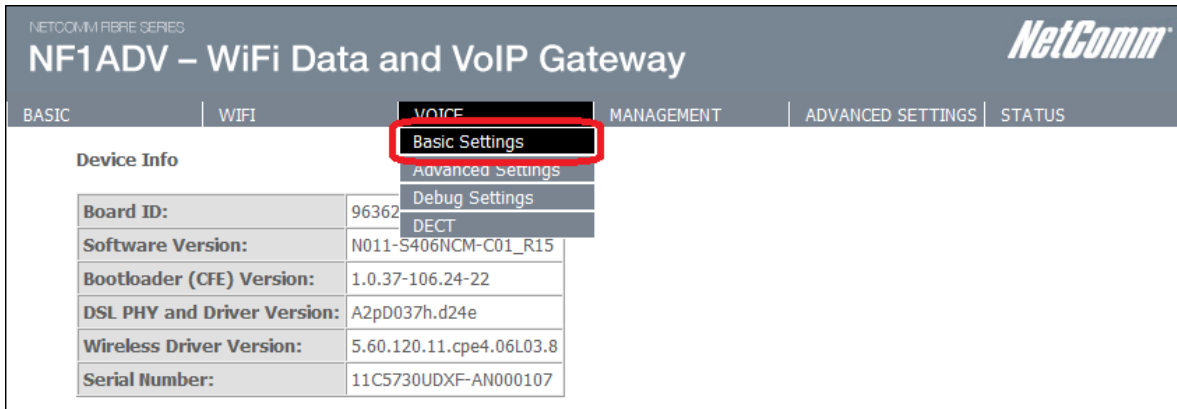
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### Troubleshooting Tip

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

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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.



The screenshot shows the NetComm NF1ADV web interface. The top navigation bar includes tabs for BASIC, WIFI, VOICE, MANAGEMENT, ADVANCED SETTINGS, and STATUS. The VOICE tab is selected, and a dropdown menu is open, highlighting the Basic Settings option. Below the navigation bar, the Device Info section is visible, containing a table with the following information:

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

### 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:

Enable SIP Proxy, Outbound Proxy and Registrar

Use **\*sip.state.iinet.net.au** and port **5060** or as directed by iiNet on all three details

Note\*: *state* will be the acronym of the state that you are in, e.g. nsw

Use SIP Outbound Proxy.

SIP Outbound Proxy:

SIP Outbound Proxy port:

Use SIP Registrar.

SIP Registrar:

SIP Registrar port:

<b>SIP Account</b>	For all telephone
<b>Account Enabled</b>	<input checked="" type="checkbox"/>
<b>VoIP Phone Number</b>	<input type="text" value="1234567890"/>
<b>Display Name</b>	<input type="text" value="1234567890"/>
<b>Auth. ID</b>	<input type="text" value="1234567890"/>
<b>Auth. Password</b>	<input type="text" value="*****"/>
<b>Preferredptime</b>	<input type="text" value="20"/>
<b>Preferred codec 1</b>	<input type="text" value="G.729a"/>
<b>Preferred codec 2</b>	<input type="text" value="G.711ALaw"/>
<b>Preferred codec 3</b>	<input type="text" value="G.711MuLaw"/>
<b>Preferred codec 4</b>	<input type="text" value="G.726_24"/>
<b>Preferred codec 5</b>	<input type="text" value="G.726_32"/>
<b>Preferred codec 6</b>	<input type="text" value="PCMWIDEBAND"/>

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

iiNet VoIP account password

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

## SIP Configuration

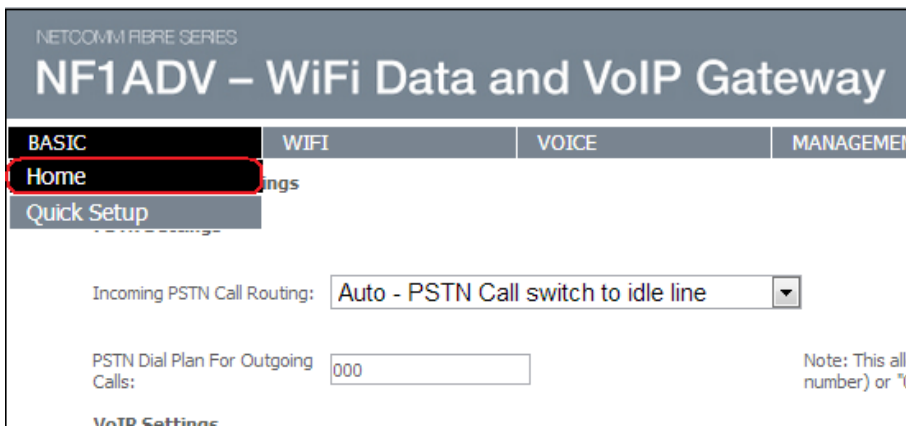
Locale Selection	Choose your country from the dropdown list
SIP domain name	Keep blank or as directed by iiNet
Use SIP Proxy	Ensure that this is <b>ticked</b>
SIP Proxy	* <b>sip.state.iinet.net.au</b> or as directed by iiNet
SIP Proxy Port	<b>5060</b> or as directed by iiNet
Use SIP Outbound Proxy	Ensure that this is <b>ticked</b>
SIP Outbound Proxy	* <b>sip.state.iinet.net.au</b> or as directed by iiNet
SIP Outbound Proxy Port	<b>5060</b> or as directed by iiNet
Use SIP Registrar	Ensure that this is <b>ticked</b>
SIP Registrar	* <b>sip.state.iinet.net.au</b> or as directed by iiNet
SIP Registrar Port	<b>5060</b> or as directed by iiNet
Account Enabled	Ensure that this is <b>ticked</b>
VoIP Phone Number	VoIP Account Phone Number as provided by iiNet
Display Name	VoIP Account Phone Number as provided by iiNet
Auth. ID	VoIP Account Phone Number as provided by iiNet
Auth. Password	VoIP Account Password as provided by iiNet

\*Note: In **sip.state.iinet.net.au**, *state* is the acronym of the Australian state that you are in. The corresponding SIP Proxy domain names for each Australian state are listed below. The domain name can be used as the SIP proxy, SIP Outbound Proxy or SIP Registrar.

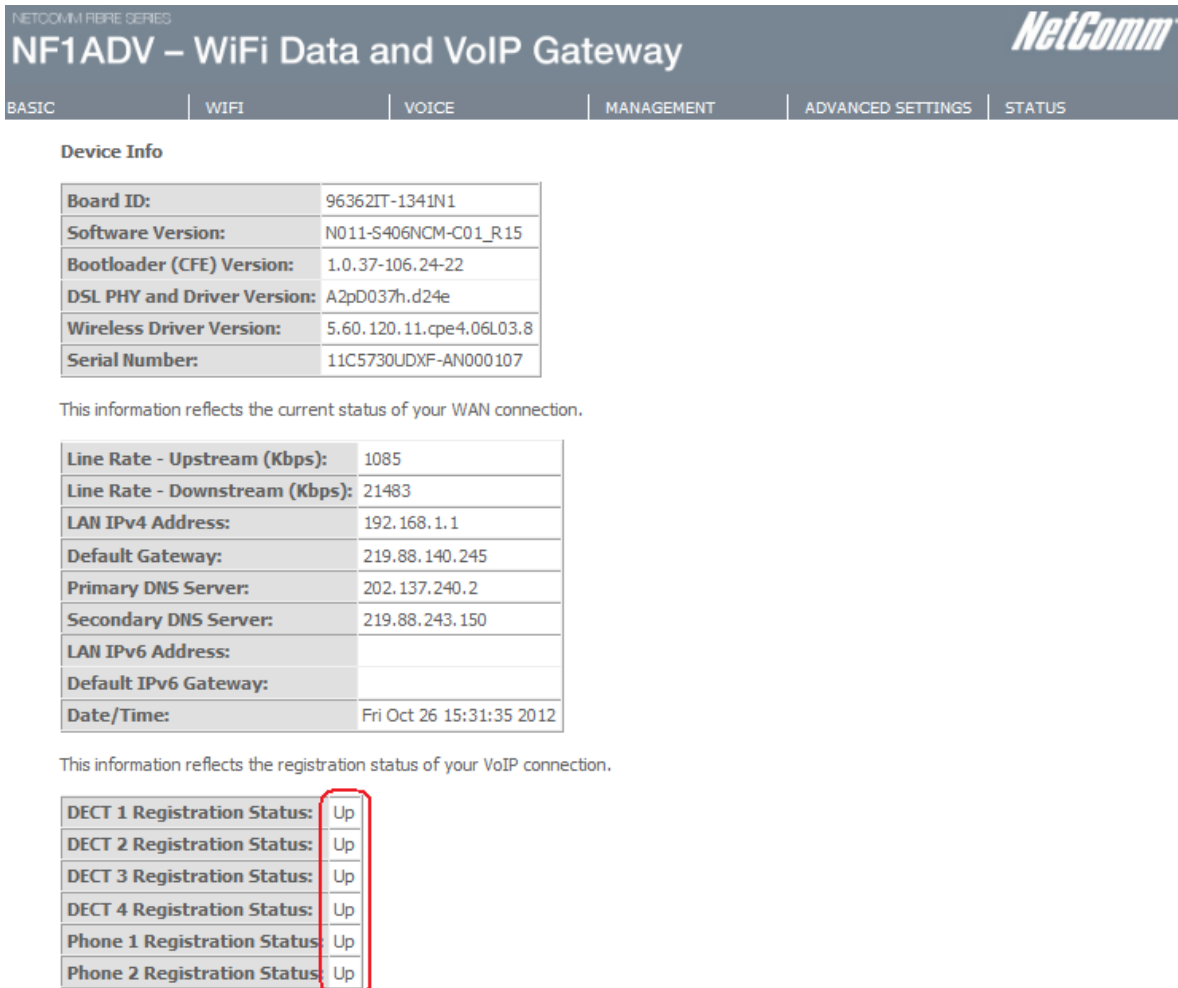
State	SIP Proxy/SIP Outbound Proxy/SIP Registrar
Western Australia	sip.wa.iinet.net.au
Southern Australia	sip.sa.iinet.net.au
New South Wales	sip.nsw.iinet.net.au
Victoria	sip.vic.iinet.net.au
Queensland	sip.qld.iinet.net.au
Tasmania	sip.tas.iinet.net.au
Australian Capital Territory	sip.act.iinet.net.au

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.



6. 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.



7. 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).