



NB16WV VOIP Setup Guide (for iiNet)

Configuring your NB16WV 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 lefthandside 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 lefthandside 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:

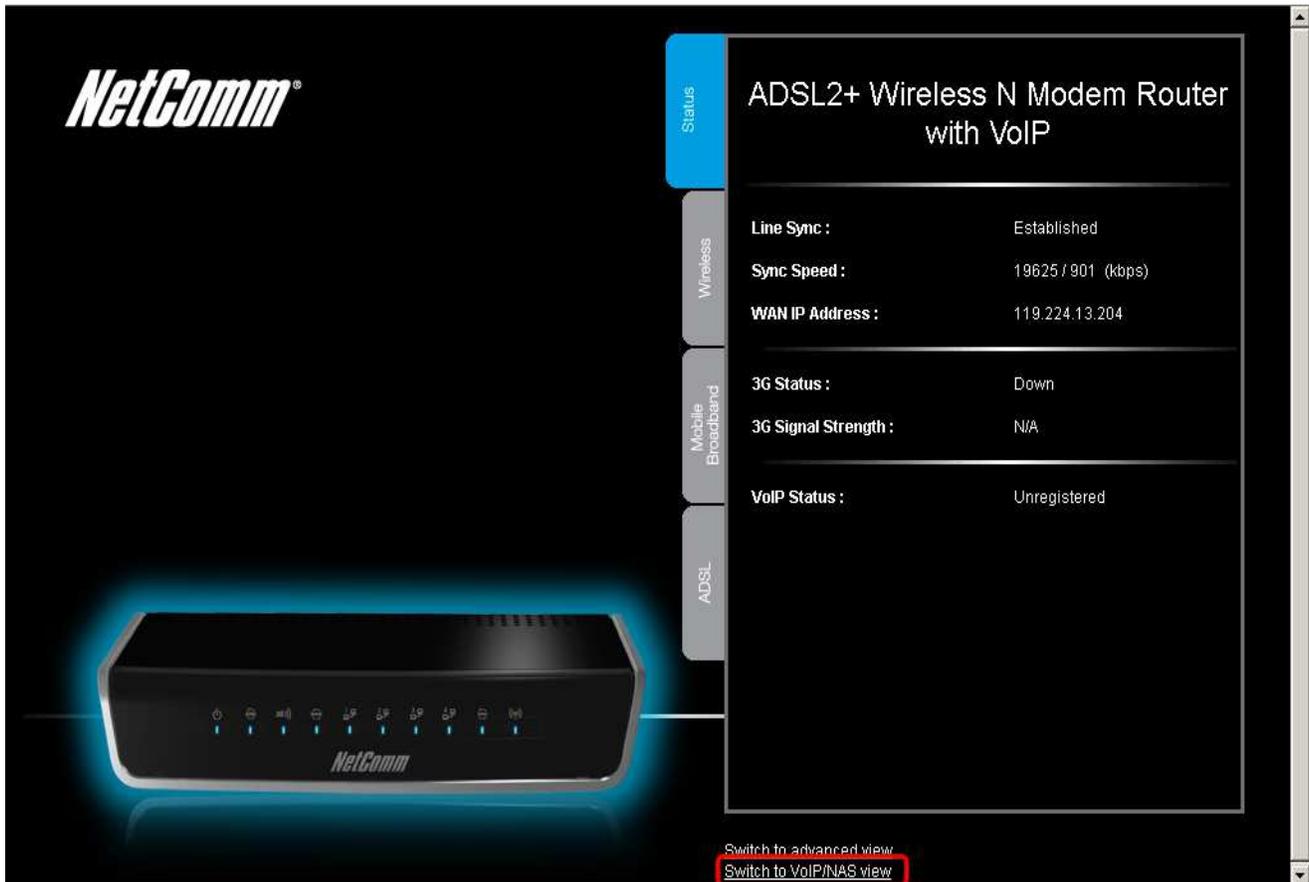
1. Click on the Apple Menu, and go to "**System Preferences**".
2. Click on "**Network**".
3. Click on "**Ethernet**" or "**Built-in Ethernet**".
4. Click on the "**Configure**" drop-down box, and select "**Using DHCP**" then click "**Apply**".

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 "Switch to VoIP/NAS view" from the bottom of the page.

3. Select the **Service Domain** option from the **SIP Setting** menu.

The screenshot shows the NetComm NB16WV - ADSL2+ Wireless N Modem Router with VoIP configuration interface. The top navigation bar includes 'Status', 'Phone Book', 'Phone Setting', 'SIP Setting', 'Other VoIP Settings', and 'NAS Settings'. The 'SIP Setting' menu is open, showing options: 'Service Domain', 'Port Setting', 'Codec Setting', 'DTMF Setting', and 'Other Settings'. The 'Service Domain' option is highlighted with a red box. Below the menu is a table with 10 rows, each representing a service domain configuration. The table has columns for ID, Name, and Enable. The 'Enable' column contains checkboxes. At the bottom of the table are navigation buttons: '<< Previous', 'Next >>', 'Save', and 'Undo'.

ID	Name	Enable
1	<input type="text"/>	<input type="checkbox"/>
2	<input type="text"/>	<input type="checkbox"/>
3	<input type="text"/>	<input type="checkbox"/>
4	<input type="text"/>	<input type="checkbox"/>
5	<input type="text"/>	<input type="checkbox"/>
6	<input type="text"/>	<input type="checkbox"/>
7	<input type="text"/>	<input type="checkbox"/>
8	<input type="text"/>	<input type="checkbox"/>
9	<input type="text"/>	<input type="checkbox"/>
10	<input type="text"/>	<input type="checkbox"/>

<< Previous Next >> Save Undo

http://192.168.1.1/voip20sd.htm?rc=

4. Enter the following details as given to you by iiNet, your VoIP Service Provider.

The screenshot shows the NetComm NB16WV router's SIP settings page. The page title is "NetComm NB16WV - ADSL2+ Wireless N Modem Router with VoIP". There are two buttons at the top right: "Switch to basic view" and "Switch to advanced view". Below the title is a navigation bar with links: Status, Phone Book, Phone Setting, SIP Setting, Other VoIP Settings, and NAS Settings. The main content area is a table with two columns: "Item" and "Setting".

Item	Setting
Display Name	<input type="text"/>
User Name	<input type="text"/>
Register Name	<input type="text"/>
Register Password	<input type="password"/>
Realm	<input type="text"/>
Domain	<input type="text"/>
Proxy Server	<input type="text"/>
Registrar	<input type="text"/>
Use Outbound Server	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
Outbound Proxy	<input type="text"/>
Subscribe for MWM	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
Refresh time for MWM	<input type="text" value="360"/>
MWM Server URI	<input type="text" value="fxs1.mwi.com"/>
Status	Unregistered

Annotations (red boxes with arrows) point to the following fields:

- Display Name, User Name, Register Name, Register Password, and Realm: VoIP phone number provided to you by iiNet or as otherwise directed by iiNet
- Register Password: iiNet VoIP account password.
- Realm: *203.55.231.194 or as directed by iiNet
- Domain: *203.0.178.91 or as directed by iiNet
- Proxy Server: *203.55.231.194 or as directed by iiNet
- Registrar: *203.55.231.194 or as directed by iiNet
- Use Outbound Server: Enable/disable as per iiNet's instructions
- Outbound Proxy: * 203.55.231.194 or as directed by iiNet
- Subscribe for MWM: Enable/disable as per iiNet's instructions
- Refresh time for MWM: Leave as default or as per iiNet's instructions
- MWM Server URI: Leave as default or as per iiNet's instructions

At the bottom of the form are "Save" and "Undo" buttons.

SIP Setting Details

Display Name	VoIP Account Phone Number as provided by iiNet.
User Name	VoIP Account Phone Number as provided by iiNet.
Register Name	VoIP Account Phone Number as provided by iiNet or as otherwise instructed by iiNet.
Register Password	VoIP Account Password as provided by iiNet.
Realm	*sip.state.iinet.net.au or otherwise directed by iiNet.
Domain	*sip.state.iinet.net.au or otherwise directed by iiNet.
Proxy Server	*sip.state.iinet.net.au or otherwise directed by iiNet.
Registrar	*sip.state.iinet.net.au or otherwise directed by iiNet.

	iiNet.
Use Outbound Server	Enable or Disable according to your VoIP account type. If you are unsure consult iiNet.
Outbound Proxy	*sip.state.iinet.net.au or as otherwise directed by iiNet.
Subscribe for MWI (Message Waiting Indicator)	Enable or disable as per iiNet's instructions (if the VoIP account has this feature enabled).
Refresh Time for MWI	Leave as default (360) or as per iiNet's instructions.
MWI Server URL	Leave as default or as directed by iiNet.

*The corresponding SIP Proxy domain names and IP addresses for each Australian state are listed below. The domain name or the IP address can be used as the SIP proxy or domain name.

State	SIP Proxy/Domain Name	IP Address
Western Australia	sip.wa.iinet.net.au	203.59.49.5
New South Wales	sip.nsw.iinet.net.au	203.55.231.194
Victoria	sip.vic.iinet.net.au	203.55.229.194
Queensland	sip.qld.iinet.net.au	203.55.228.194
Tasmania	sip.tas.iinet.net.au	203.55.229.194
Northern Territory	sip.nt.iinet.net.au	203.55.229.194

- After entering all required fields click on the **"Save"** button and check the Status at the bottom of the page. The status should change to **"Registered"** if all the settings entered are correct and you have a current connection to the internet.
- 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).