



NB16WV VOIP Setup Guide
(for Engin)

Configuring your NB16WV for VOIP

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.

NetComm

ADSL2+ Wireless N Modem Router with VoIP

Line Sync :	Established
Sync Speed :	19625 / 801 (kbps)
WAN IP Address :	119.224.13.204
3G Status :	Down
3G Signal Strength :	N/A
VoIP Status :	Unregistered

Switch to advanced view
Switch to VoIP/NAS view

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 page. The top navigation bar includes 'Status', 'Phone Book', 'Phone Setting', 'SIP Setting', 'Other VoIP Settings', and 'NAS Settings'. The 'SIP Setting' menu is expanded, 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 SIP service domain. The table has columns for ID, Name, and Enable. The 'Enable' column contains checkboxes, all of which are currently unchecked.

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"/>

Navigation buttons at the bottom: << Previous, Next >>, Save, Undo.

URL: <http://192.168.1.1/voip20sd.htm?rc=>

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

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

Callout boxes provide the following instructions:

- VoIP phone number provided to you by Engin or as directed by Engin (points to Display Name, User Name, Register Name)
- Engin VoIP account password. (points to Register Password)
- byo.engin.com.au or as directed by Engin (points to Realm, Domain, Proxy Server, Registrar)
- Enable/disable as per Engin's instructions (points to Use Outbound Server, Subscribe for MWM)
- byo.engin.com.au or as directed by Engin (points to Outbound Proxy)
- Leave as default or as per Engin's instructions (points to Refresh time for MWM)

SIP Setting Details

Display Name	VoIP Account Phone Number as provided by Engin.
User Name	VoIP Account Phone Number as provided by Engin.
Register Name	VoIP Account Phone Number as provided by Engin or as otherwise directed by Engin.
Register Password	VoIP Account Password as provided by Engin.
Realm	byo.engin.com.au or otherwise directed by Engin.
Domain	byo.engin.com.au or otherwise directed by Engin.
Proxy Server	byo.engin.com.au or otherwise directed by Engin.
Registrar	byo.engin.com.au or otherwise directed by Engin.

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

5. 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.
6. 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).