

Configuring a BEC 8800N Wireless VDSL Modem

[Setting Up the PC](#) | [Logging into BEC](#) | [Setup](#)

[Configuring Wireless](#) | [Finished](#)

Setting Up the PC

Before you can get into your new BEC 8800N Wireless modem, you will need to have the computer's ethernet interface to be set up for DHCP, or you will have to set up a static IP address.

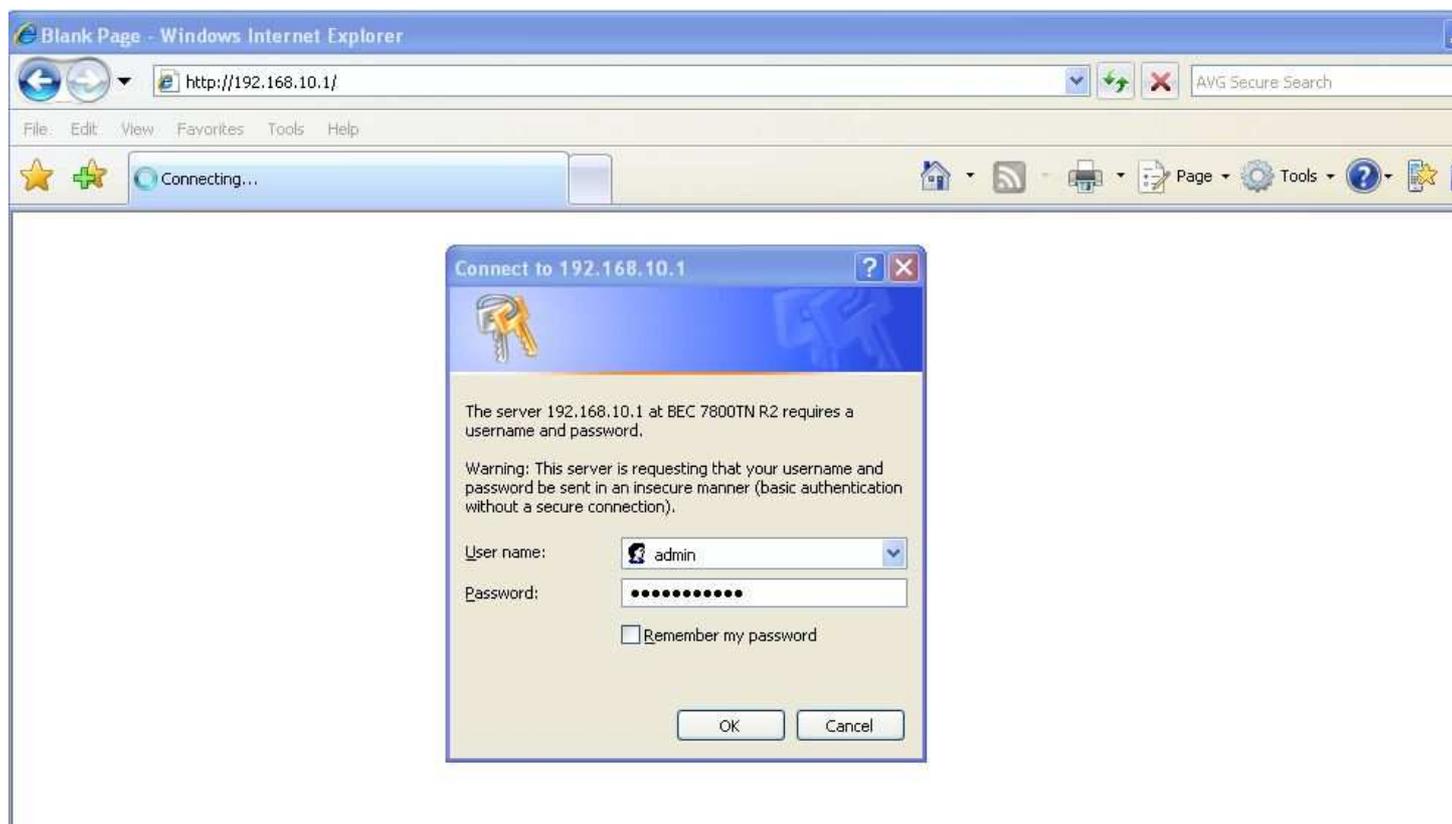
Use the following address information if setting up a static IP in the computer's ethernet interface:

IP ADDRESS: **192.168.10.100**
SUBNET MASK: **255.255.255.0**
GATEWAY: **192.168.10.1**

PRIMARY DNS: **216.129.224.1**
SECONDARY DNS: **216.220.0.1**

[Back to Top](#)

Logging Into the BEC 8800N



In order to log in, open a web browser (Internet Explorer works best for this), and in the address bar type in the following IP address.

192.168.10.1

After you input the IP address, press the "GO" button or press "ENTER" on your keyboard to access the page. If everything goes as anticipated, you will see a login screen prompting for username and password (Above).

At this point in the process, input the username and the password as follows:

USERNAME: **admin**
PASSWORD: **NEMONTadmin**

After inputting the username and password, simply click the "**OK**" button. You will be redirected to the default home page of the modem.

[Back to Top](#)

Setup

The screenshot shows the web interface of a BEC Technologies VDSL2/ADSL2+ Broadband Firewall Router. The page is titled "Status" and displays various system and connection details. A left-hand menu contains "Menu", "Status", "Configuration" (circled in red), and "Diagnostics".

Device Information	
Model Name	BEC 8800N
Host Name	gateway
System Up-Time	11 min(s) 1 seconds
Current Time	Sat Jan 1 00:11:01 2000
Hardware Version	ANNEX A
Software Version	1.02q
MAC Address	00:04:ed:da:cc:73
Wireless Driver Version	5.10.85.0.cpe4.402.0

DSL connection information	
Line Rate - Upstream (Kbps)	
Line Rate - Downstream (Kbps)	
LAN IPv4 Address	192.168.1.254
Default Gateway	
Primary DNS Server	
Secondary DNS Server	

After logging into the modem's home page, click the "**Configuration**" link at the left of the page to begin configuring your modem.

[Back to Top](#)

Menu

Status

Configuration

LAN

WAN

System

Firewall

QoS

Virtual Server

Advanced

Diagnostics

LAN Setting

Ethernet

Parameters

GroupName IP Address Subnet Mask

IGMP

IGMP Snooping Enable IGMP Snooping
 Standard Mode
 Blocking Mode

IP Alias

Parameters

IP Alias EnableIP Address Subnet Mask

DHCP Server/DHCP Relay

Next you need to click on the **"WAN"** link at the left of the page.

[Back to Top](#)

Menu

Status

Configuration

LAN

WAN

Layer2 Interface

PTM Interface (VDSL)

ATM Interface (ADSL)

ETH Interface (EWAN)

WAN Service

DSL

System

Firewall

QoS

Virtual Server

Advanced

Diagnostics

WAN Service

WAN Service Interface Table

Interface	Description	Type	Vlan8021p	VlanMuxId	ConnId	Igmp	NAT	Firewall	Remove/Edit
ptm0.0	ipoe_0_0_1.0	IPoE	0	0	N/A	Disabled	Enabled	Disabled	<input checked="" type="checkbox"/>

'ETH and PTM/ATM service can not coexist.

Add

Remove

Edit

Next click on the “WAN Service” link at the left of the page. Now check the “Remove/Edit” checkbox and click the “Edit” button.

[Back to Top](#)

Menu

Status

Configuration

LAN

WAN

Layer2 Interface

PTM Interface (VDSL)

ATM Interface (ADSL)

ETH Interface (EWAN)

WAN Service

DSL

System

Firewall

QoS

Virtual Server

Advanced

Diagnostics

WAN Setting

WAN Service Configuration

Select WAN service type

PPP over Ethernet (PPPoE)

IP over Ethernet ←

Bridging

Enter Service Description ipoe_0_0_1

Back

Next

"IP over Ethernet" option for the "Select WAN service type" should already be selected. Click the "Next" button to continue.

[Back to Top](#)

BEC
TECHNOLOGIES

VDSL2/ADSL2+ Broadband Firewall Router

Menu

Status

Configuration

LAN

WAN

Layer2 Interface

PTM Interface (VDSL)

ATM Interface (ADSL)

ETH Interface (EWAN)

WAN Service

DSL

System

Firewall

QoS

Virtual Server

Advanced

Diagnostics

WAN Service

IPoE Parameters

IPv4

IPv4 Protocol: Obtain an IP Address Automatically

Option 80 Vendor ID:

Option 61 IAID: (8 hexadecimal digits)

Option 61 DUID: (hexadecimal digit)

Option 125: Disable Enable

WAN IP Address:

WAN Subnet Mask:

WAN gateway IP Address:

Back Next

If the customer is DHCP then leave the "IPv4 Protocol" dropdown box on the default option of "Obtain an IP Address Automatically" and click the "Next" button.

If the customer has a static IP then change the "IPv4 Protocol" dropdown box to "Fixed IP Address" and fill in the information below:

WAN IP Address (IP Address assigned by Nemont)

WAN Subnet Mask (Subnet Mask assigned by Nemont)

WAN Gateway IP Address (Default Gateway assigned by Nemont)

Once these are entered click the "Next" button to continue.

[Back to Top](#)

The screenshot displays the configuration interface for a BEC Technologies VDSL2/ADSL2+ Broadband Firewall Router. On the left is a navigation menu with categories: Menu, Status, Configuration (LAN, WAN, Layer2 Interface, PTM Interface (VDSL), ATM Interface (ADSL), ETH Interface (EWAN), WAN Service, DSL, System, Firewall, QoS, Virtual Server, Advanced), and Diagnostics. The main content area is titled 'WAN Service' and contains a 'Parameters' section. Under 'Network Address Translation Settings', there are three items: NAT (checked), Fullcone NAT (unchecked), and Firewall (checked). A red arrow points to the 'Firewall' checkbox. Below this is the 'IGMP Multicast' section with 'IGMP Multicast' (unchecked). The 'MTU Setting' section shows 'MTU' set to '1500'. At the bottom of the parameters section are 'Back' and 'Next' buttons, with the 'Next' button circled in red.

In this section enable "**Firewall**" by checking the associated "**Enable**" checkbox and then click the "**Next**" button.

[Back to Top](#)

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Here "**CurrentWAN/CurrentWAN**" should already be selected for the "**Selected WAN Interface**". Click the "**Next**" button to continue.

[Back to Top](#)

The screenshot shows the configuration interface for a BEC Technologies VDSL2/ADSL2+ Broadband Firewall Router. On the left is a navigation menu with categories: Menu, Status, Configuration (LAN, WAN, Layer2 Interface, WAN Service, DSL, System, Firewall, QoS, Virtual Server, Advanced), and Diagnostics. The main content area is titled 'WAN Service' and contains a 'Parameters' section for 'IPv4 DNS Server Configuration'. The configuration fields are: 'DNS Type' set to 'Obtain DNS info from a WAN interface', 'WAN Interface selected' set to 'CurrentWAN/CurrentWAN', 'Primary DNS server' (empty), and 'Secondary DNS server' (empty). 'Back' and 'Next' buttons are located at the bottom of the configuration area.

If the customer is DHCP then leave the "DNS Type" set to "Obtain DNS info from a WAN Interface".

If the customer has a static IP then choose "Use the following Static DNS IP address" from the "DNS Type" dropdown box, then fill in the following information:

Primary DNS server (216.129.224.1)
Secondary DNS server (216.220.0.1)

Now click the "Next" button.

[Back to Top](#)

Menu

Status

Configuration

LAN

WAN

Layer2 Interface

PTM Interface (VDSL)

ATM Interface (ADSL)

ETH Interface (EWAN)

WAN Service

DSL

System

Firewall

QoS

Virtual Server

Advanced

Diagnostics

WAN Service

Summary

PORT / VPI / VCI	0 / 0 / 1
Connection Type	IPoE
Service Name	ipoe_0_0_1
Service Category	UBR
IP Address	Automatically Assigned
Service State	Enabled
NAT	Enabled
Full Cone NAT	Disabled
Firewall	Enabled
IGMP Multicast	Disabled
Quality Of Service	Disabled
MTU	1500

Back

Apply/Save

Almost Done! Now click the **"Apply/Save"** button to save all our changes.

[Back to Top](#)

Configuring Wireless

BEC TECHNOLOGIES

VDSL2/ADSL2+ Broadband Firewall Router

Menu

- Status
- Configuration
 - LAN
 - LAN
 - Wireless
 - Basic
 - Security
 - MAC Filter
 - Wireless Bridge
 - Advanced
 - Station Info
- WAN
 - System
 - Firewall
 - QoS
 - Virtual Server
 - Advanced
- Diagnostics

Wireless -- Basic

Parameters

Enable Wireless

Hide Access Point

Clients Isolation

Disable WMM Advertise

Enable Wireless Multicast Forwarding (WMF)

SSID

BSSID

Country

Max Clients

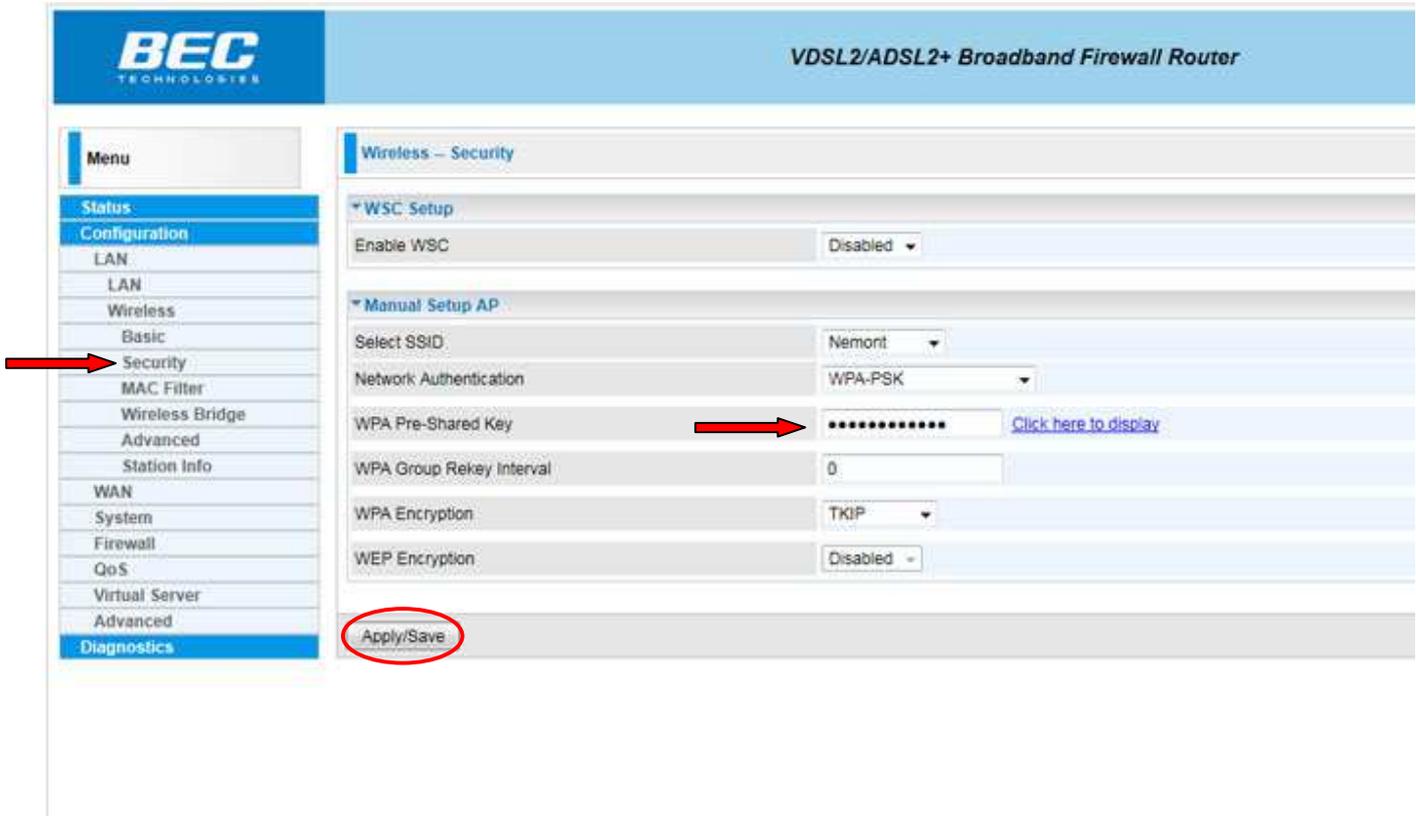
Wireless - Guest/Virtual Access Points

Enabled	SSID	Hidden	Isolate Clients	Disable WMM Advertise
<input type="checkbox"/>	<input type="text" value="w10_Guest1"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="text" value="w10_Guest2"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="text" value="w10_Guest3"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

To get to the wireless section click "**LAN**" on the left side of the page and then click the "**Wireless**" link under that. Now enter the "**SSID**" for the customer and click the "**Apply**" button. You may have to scroll down to see the "**Apply**" button.

** **SSID** The name you would like for your wireless connection.

[Back to Top](#)



To setup the wireless security click on the "**Security**" link on the left side of the page under "**Wireless**". The "**Select SSID**" should show the SSID you entered on previous page.

WPA Pre-Shared Key By default, the modem is programmed to use the MAC address (lowercase letters) which is listed on the underside of the modem as the WPA key. However, the password can be changed to anything you would prefer to use, the only restriction is that the new key is at least eight or more characters in length.

After modifying the following information, click the "**Apply/Save**" button to save the changes into the modem's memory.

***** **IMPORTANT** *****

If your wireless network card **DOES NOT** support WPA then this modem will not work with it. WEP encryption is **NOT** available.

[Back to Top](#)

Finished

Now you are done configuring your BEC 8800N modem! You may need to powercycle the modem. Once it syncs up again, the Internet will be ready for use.

Congratulations! You are now done configuring your BEC 8800N Wireless VDSL modem.

[Back to Top](#)