

## How do you setup your Cable Modem with your Router

Most common mistake with setting up broadband is end-user keep swapping the setup by placing the PC behind the broadband. This is both Cable Modem & DSL Modem.

Cable setup requires certain procedures to setup correctly. Each single time if you power cycle (On/OFF) the modem ISP will see your PC mac address and/or router mac address. It should work with it but that is not always true. So what this mean to you?. You need to digest your issue as much as you can before you attempt router setups. I would try to work on the issue without getting your PC connected to the modem.

During the setup, your router may see as "Static IP". Cable do not use Static IP (residential) even though you will hear it will never changes IP so it's like having a Static IP but essentially it is "DYNAMIC IP". -Static IP is ONLY available only business packages.

You can go to my site for "router reset" and to step 1,3,4 these are individual resetting and should help at least step 1 & 3. When the wizard find the connection as static IP, one way to do is to input a IP that is not your LAN IP.

You can not do ipconfig and put same IP range on LAN side and WAN side (internet).

so you can follow below information

192.168.10.100 -IP Address  
255.255.255.0 -Subnet Mask  
192.168.10.1 -Gateway  
4.2.2.1/4.2.2.2 - DNS Server

Once this is saved. you will **NOT** get internet since this is fake info. log back into the interface of the router and go to basic settings ("Router Setup" page will explain how to login"

Change both IP and DNS to "obtain automatically".

After saving the new settings. power off both "cable modem" & "router". Unplug the ethernet cable between modem and router.

Turn the modem on and wait until power cycle is done and power up your router after ethernet cable is plug back in.

Log back in the router and check router status. It should show IP from your ISP

If you still have issue above setups, login the router and go to "basics settings" - change under "Router Mac Address" section to "Use Computer MAC Address"

## **ProSafe VPN Summary**

All other configuration details should follow the ProSafe Owner's Manual or the ProSafe VPN Client Owner's Manual.

## **Additional Resources**

Here are some additional resources you find useful.

### **Netgear**

The network products manufacturer (<http://www.netgear.com/>)has some tech support notes and White Papers on their VPN/Firewall devices and some tips for achieving basic interoperability. They also host a user support forum (<http://forum1.netgear.com/>)ontheir various products where users can post questions and get answers from their peers.

### **SafeNet**

SafeNet (<http://www.safenet-inc.com/>)is one of the largest OEM providers of VPN client software to VPN/firewall manufacturers. SafeNet has a tech support area (<http://support.safenet-inc.com/>)listing tech notes on their products with various VPN gateways including some individual interoperability examples. SafeNet is the OEM supplier of the Netgear ProSafe VPN Client software.

### **VPNC**

The VPN Consortium (<http://www.vpnc.org/>). VPNC has various writings and White Papers on many manufacturers VPN devices and tips for achieving interoperability.

### **Practically Networked**

Practically Networked (<http://www.practicallynetworked.com/>)has various writings on many manufacturers VPN devices and tips for achieving interoperability. They also have a section dedicated to VPN issues ([http://www.practicallynetworked.com/support/VPN\\_help.htm](http://www.practicallynetworked.com/support/VPN_help.htm)).

### **HomeNetHelp**

HomeNetHelp (<http://www.homenethelp.com/>)has various writings and White Papers on many manufacturers VPN devices and tips for achieving interoperability. They also host a user support forum on VPN Routers where users can post questions and get answers from their peers.

## **Disclaimer**

Both ProSafe VPN/Firewall Routers and ProSafe VPN Client have several ways of setting up and configuring VPN tunnels. The settings may not be the best for your situation and some settings are situation specific.

This case study is published to guides you to setup your VPN Tunnel and VPNCASESTUDY.COM do not held any responsibility of any mistakes or errors.

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