

STATIC IP SET UP GUIDE

**VERIZON 7500 WIRELESS
ROUTER/MODEM**

***Verizon High Speed Internet
for Business***



Verizon High Speed Internet for Business

SETTING UP YOUR NEW STATIC IP CONNECTION AND IP ADDRESS(ES)

This Static IP Set Up Guide will instruct you how to set up your new static IP connection and multiple IP addresses (if applicable). Static IP addresses have a dedicated connection to the Internet.

STEPS TO SET UP YOUR STATIC IP ADDRESS(ES)

1. First make sure you have received a Service Activation Email from Verizon that states your Verizon High Speed Internet for Business service is activated at your location, billing has started and lists the Static IP address(es) you ordered:

- IP Address Quantity
- Starting IP Address

If you ordered more than one IP address, your IP addresses will run sequentially beginning with the starting IP address shown above.

- Subnet Mask
- Default Gateway Address
- Primary DNS
- Secondary DNS

Verizon High Speed Internet for Business Service will not work until you have been notified by Verizon that your service is activated.

2. Connect your new Verizon HSI 7500 wireless modem router to your computer following the “Quick Start Guide” in the box with the modem router.

3. Follow the instructions in this Static IP Set Up Guide that will help you configure your Static IP address into your operating system and troubleshoot if necessary.

After you set up your Static IP address(es), open your browser and go to **business.verizon.net** to learn about the Verizon Small Business Center, Verizon email, web hosting and where to get additional Verizon High Speed Internet for Business support.

SETTING UP YOUR VERIZON HIGH SPEED INTERNET FOR BUSINESS STATIC IP CONNECTION

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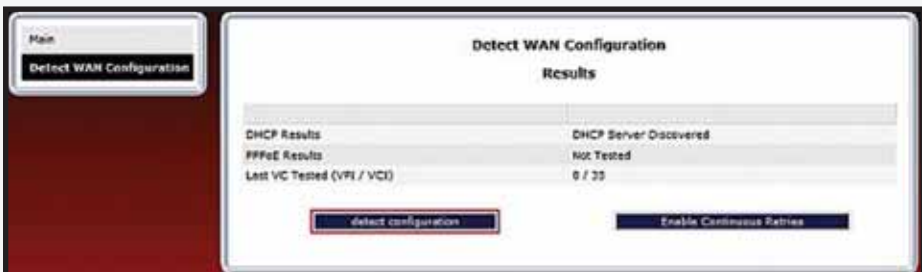
Configuring Your Verizon 7500 Wireless Modem Router with a Single IP

Step 1 - Login: To get to the Verizon Wireless interface, enter in the browser address line: <http://192.168.1.1>



admin
password

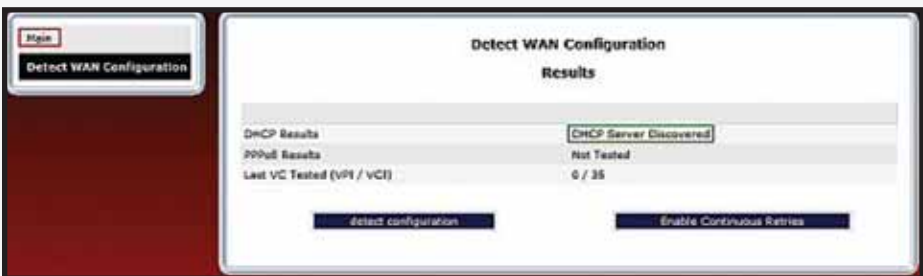
After you have clicked "OK" in the secure screen, the Detect WAN Click on Detect Configuration to continue.



Configuration page is displayed during a first time login.



During detection the modem will reset numerous times. Be sure to keep an eye on the DSL light status to know when the modem has obtained sync and is ready to continue.



When the modem has completed detection (or even if detection fails), wait for the DSL light to go solid and then click on the Main link in the left navigation menu.

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Since this is the first login, a prompt is displayed to change the factory default User Name and password.



This is the user name/password setting for the GUI interface. For the User Name, type "admin" or the name of your choice. Next, type a password (Be sure to write down your User Name and password and store it in a safe place for future use). Do not use the word "password" on this login screen. After clicking "Apply", then "OK" in the pop-up screen, you will be taken to the Main screen.



Note: Creating a User Name and password and the detection of WAN settings is only required on the first login to the modem. Future logins will not require these steps except when the gateway has been set to factory default settings.

From the MAIN screen, Gateway Status:

My Gateway

Gateway Status

GO!

Your Gateway is Ready for Internet Access

Broadband Connection

Internet Status: **Connected**

DSL link: Connected

Speed (Down/Up): 8058 Kbits/sec by 1021 Kbits/sec

Connection Type: PPP

Username: customer@verizon.net

IP Address:

Quick Links

- Change Wireless Settings
- Change Login User Name & Password
- Enable Applications (Games, Webcams, IM & Others)
- Verizon Help

My Network

Computer Name: Verizon PC

Connection Type: Ethernet

IP Address:

Action Zone

GO TO THE INTERNET NOW >

verizon

- Verizon.com
- Verizon Central
- Verizon Business Center
- Verizon Surround

SHOP WESTELL >

MUSIC >

VIDEO >

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In the My Gateway panel of the Main page, view the DSL link field. If the status reads Not Connected, you do not have a DSL link. However, if DSL Link field displays Connected and the Speed (Down/Up) field displays numeric values, a DSL link has been established. Notice the Connection Type, Username and IP Address. In this example, the Connection Type is "PPP" (PPPoE).





Click on My Network.



The My Network page is displayed. Click on Network Connections.



This will bring you to the Network Connections screen. Click on Action. This will bring you to the Advance DSL Connection screen.

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Click on Edit in the VCs section.

Advanced DSL Configuration

PPP Connection Profile

Connection Name	Default (profile used when auto connecting)	PPP Status	Action	Edit
My Connection		Up	disconnect	
Add				

VCs

Status	VPI	VCI	Protocol	Edit
Enabled	0	35	PPPoE	

Bridge Broadcast:

Bridge Multicast:

Spanning Tree Protocol:

Apply **Cancel** **Basic <<**

From the VC1 Configuration screen.

The screenshot shows the 'VC 1 Configuration' interface. The 'Protocol' dropdown menu is open, displaying options: PPPoE, PPPoA, PPPoE, Bridge, and Classical PoA. The 'Bridge' option is highlighted with a blue background and a red box. Other fields include VC Status (Enabled), VPI (0), VCI (35), PCR (100), QoS (UBR), IP Address, Gateway (0.0.0.0), DNS Primary (0.0.0.0), DNS Secondary (0.0.0.0), MRU Negotiation (Disabled), LCP Echo Disable (Not activated), LCP Echo Failures (6), LCP Echo Duration (60), LCP Echo Retry Duration (10), and Tunneling (Enabled). 'Apply' and 'Cancel' buttons are at the bottom.

Click on the Protocol dropdown menu and select Bridge.

The screenshot shows the 'VC 1 Configuration' interface. The 'Bridge Mode' dropdown menu is open, displaying options: Bridge, Bridge, and Routed Bridge. The 'Routed Bridge' option is highlighted with a blue background and a red box. Other fields are the same as in the previous screenshot. 'Apply' and 'Cancel' buttons are at the bottom.

Click on Bridge Mode dropdown menu and select Routed Bridge.

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To set up static option.

The screenshot displays the 'VC 1 Configuration' window. The 'VC Status' is checked and set to 'Enabled'. Below this, several fields are populated: VPI: 0, VCI: 35, PCR: 100, QoS: UBR (dropdown), Protocol: Bridge (dropdown), and Bridge Mode: Routed Bridge (dropdown). The 'Routed Bridge Settings' section has two radio buttons. The first, 'Obtain addresses automatically (enable DHCP Client)', is unselected. The second, 'Use the following static addresses (disable DHCP Client)', is selected and highlighted with a red box. Below this, a group of five input fields for 'IP Address', 'Subnet', 'Gateway', 'DNS Primary', and 'DNS Secondary' are also highlighted with a red box. The 'Proxy Arp' checkbox is checked and set to 'Enabled'. At the bottom, there are 'Apply' and 'Cancel' buttons.

Click on Bullet. Use the following static addresses (disable DHCP Client).

This will give you the option to input the static IP Address, Subnet, Gateway and DNS.

Enter the information (found in your Verizon Service Activation Email). Click "Apply" – your static IP has been entered. After clicking you will be returned to the Advanced DSL Configuration screen.

Check your computers TCP/IP settings to be sure they are set to automatically obtain an IP address. See section 3 for your operating system.

Open the browser and test your Internet connection by going to **business.verizon.net** to learn about the Verizon Small Business Center, Verizon email, web hosting and where to get additional Verizon High Speed Internet for Business support.

SECTION

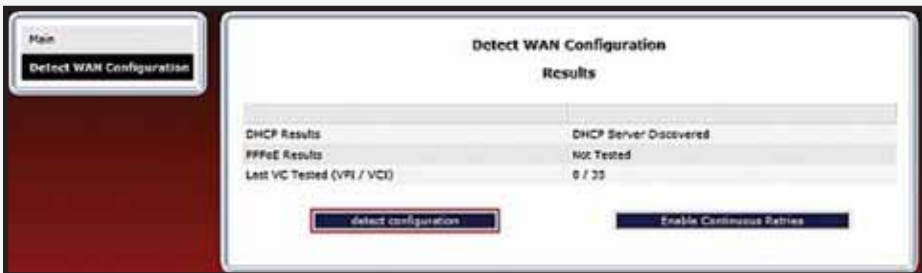
2

Configuring Your Verizon 7500 Wireless Modem Router with Multiple Static IPs

Step 1 - Login: To get to the Verizon Wireless gateway interface, enter in the browser address line: <http://192.168.1.1>



After you have clicked “OK” in the secure screen, the Detect WAN Configuration page is displayed during a first time login.



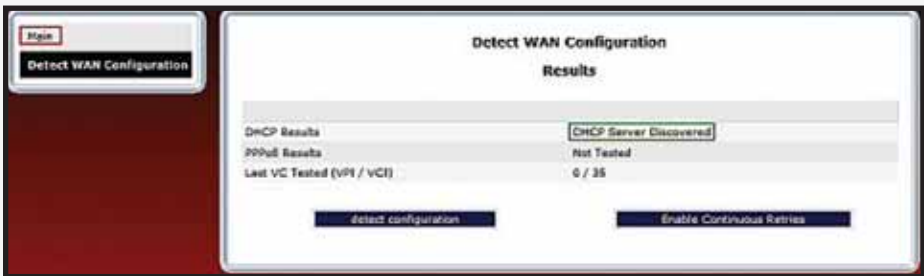
Click on Detect Configuration to continue.

NEED HELP? Call The Verizon Online Business Center at 1.888.649.9500

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During detection the modem will reset numerous times. Be sure to keep an eye on the DSL light status to know when the modem has obtained sync and is ready to continue.



When the modem has completed detection (or even if detection fails), wait for the DSL light to go solid and then click on the Main link in the left navigation menu.

Since this is the first login to the gateway, a prompt is displayed to change the factory default User Name and password.



This is the user name/password setting for the GUI interface. For the User Name, type "admin" or the name of your choice. Next, type a password (Be sure to write down your User Name and password and store it in a safe place for future use). Do not use the word "password" on this login screen. After clicking "Apply", then "OK" in the pop-up screen, you will be taken to the Main screen.



Note: Creating a User Name and password and the detection of WAN settings is only required on the first login to the modem. Future logins will not require these steps except when the gateway has been set to factory default settings.

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From the MAIN screen, Gateway Status:

The screenshot displays the Verizon High Speed Internet for Business Gateway Status page. At the top, the Verizon logo is visible. Below it, a navigation bar contains six icons: Main, Wireless Settings, My Network, Firewall Settings, Advanced, and System Monitoring. The main content area is divided into three columns:

- My Gateway:** Features a 'Gateway Status' section with a green checkmark and the text 'Your Gateway is Ready for Internet Access'. Below this is a 'Broadband Connection' section showing 'Internet Status: Connected', 'DSL link: Connected', 'Speed (Down/Up): 8058 Kbits/sec by 1021 Kbits/sec', 'Connection Type: PPP', and 'Username: customer@verizon.net'. An 'IP Address' field is also present. A 'Quick Links' section at the bottom lists: 'Change Wireless Settings', 'Change Login User Name & Password', 'Enable Applications (Games, Webcams, IM & Others)', and 'Verizon Help'.
- My Network:** Displays 'Computer Name: Verizon PC', 'Connection Type: Ethernet', and 'IP Address: . . .'. The IP address field is currently empty.
- Action Zone:** Contains a 'GO TO THE INTERNET NOW' button with a globe icon. Below this is a Verizon logo and a list of services: 'Verizon.com', 'Verizon Central', 'Verizon Business Center', and 'Verizon Surround'. At the bottom of the Action Zone are three buttons: 'SHOP WESTELL', 'MUSIC', and 'VIDEO', each with a right-pointing arrow.

In the My Gateway panel of the Main page, view the DSL link field. If the status reads Not Connected, you do not have a DSL link. However, if DSL Link field displays Connected and the Speed (Down/Up) field displays numeric values, a DSL link has been established. Notice the Connection Type, Username and IP Address. In this example, the Connection Type is "PPP" (PPPoE).



The screenshot shows the 'My Gateway' interface. At the top, there is a red header with the text 'My Gateway'. Below this, the 'Gateway Status' section features a green checkmark icon and the text 'Gateway Status' and 'GDI'. A message states 'Your Gateway is Ready for Internet Access'. The 'Broadband Connection' section includes a globe icon and a table of connection details. The table is enclosed in a red border and contains the following information: Internet Status: Connected; DSL link: Connected; Speed (Down/Up): 8058 Kbits/sec by 1021 Kbits/sec; Connection Type: PPP; Username: customer@verizon.net; and IP Address: . . . Below the table is a 'Quick Links' section with a list of four items: Change Wireless Settings, Change Login User Name & Password, Enable Applications (Games, Webcams, IM & Others), and Verizon Help.

Internet Status:	Connected
DSL link:	Connected
Speed (Down/Up):	8058 Kbits/sec by 1021 Kbits/sec
Connection Type:	PPP
Username:	customer@verizon.net
IP Address:	. . .

Quick Links

- Change Wireless Settings
- Change Login User Name & Password
- Enable Applications (Games, Webcams, IM & Others)
- Verizon Help

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Click on My Network.



The My Network page is displayed. Click on Network Connections.



This will bring you to the Network Connections screen. Click on Action. This will bring you to the Advance DSL Connection screen.

Click on Edit in the VCs section.

Advanced DSL Configuration

PPP Connection Profile

Connection Name	Default <small>(profile used when auto connecting)</small>	PPP Status	Action	Edit
My Connection		Up	disconnect	
Add				

VCs

Status	VPI	VCI	Protocol	Edit
Enabled	0	35	PPPoE	

Bridge Broadcast:

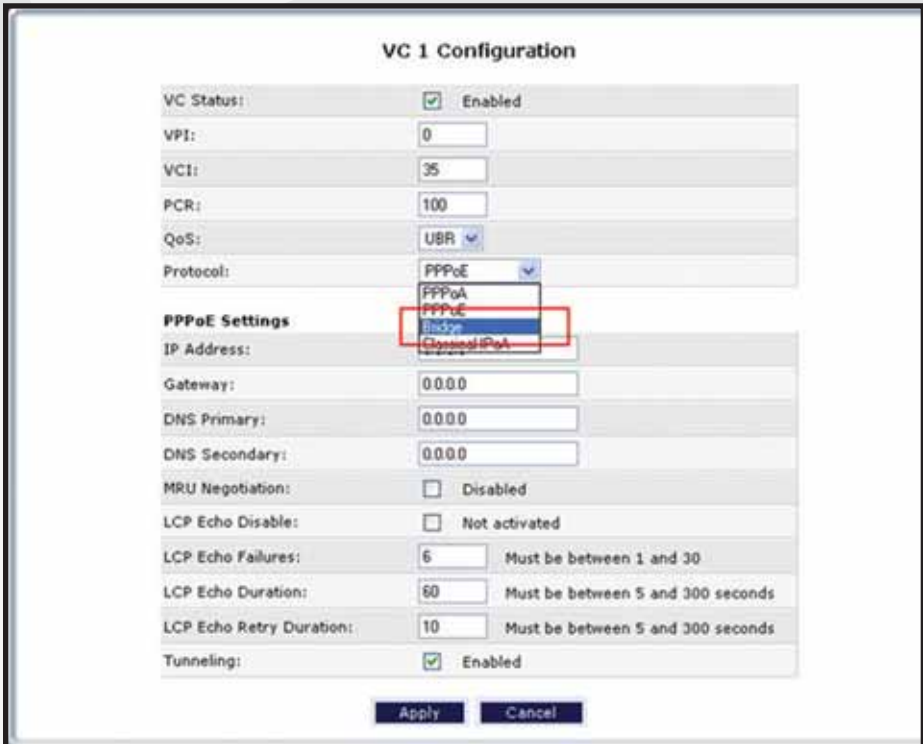
Bridge Multicast:

Spanning Tree Protocol:

Apply **Cancel** **Basic <<**

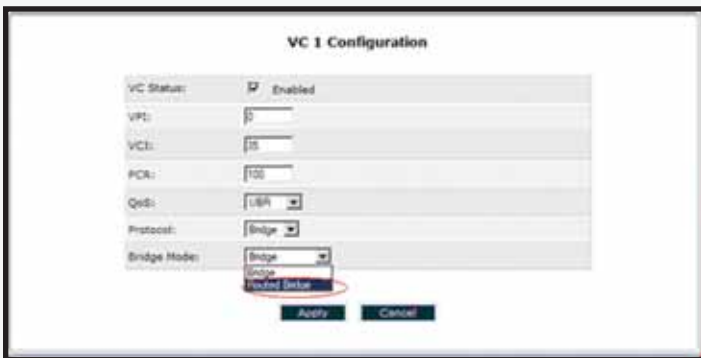
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From the VC1 Configuration screen.



The screenshot shows the "VC 1 Configuration" screen. The "Protocol" dropdown menu is open, showing options: PPPoE, PPPoA, PPPoE, Bridge, and Classical PoA. The "Bridge" option is highlighted with a blue background and a red box. Other fields include VC Status (Enabled), VPI (0), VCI (35), PCR (100), QoS (UBR), IP Address, Gateway (0.0.0.0), DNS Primary (0.0.0.0), DNS Secondary (0.0.0.0), MRU Negotiation (Disabled), LCP Echo Disable (Not activated), LCP Echo Failures (6), LCP Echo Duration (60), LCP Echo Retry Duration (10), and Tunneling (Enabled). Buttons for "Apply" and "Cancel" are at the bottom.

Click on the Protocol dropdown menu and select Bridge.



The screenshot shows the "VC 1 Configuration" screen. The "Bridge Mode" dropdown menu is open, showing options: Bridge, Bridge, and Routed Bridge. The "Routed Bridge" option is highlighted with a blue background and a red box. Other fields are the same as in the previous screenshot. Buttons for "Apply" and "Cancel" are at the bottom.

Click on Bridge Mode dropdown menu and select Routed Bridge.

To set up static option.

The screenshot displays the 'VC 1 Configuration' interface. The top section contains fields for VC Status (checked, Enabled), VPI (0), VCI (35), PCR (100), QoS (UBR), Protocol (Bridge), and Bridge Mode (Routed Bridge). The 'Routed Bridge Settings' section has two radio buttons: 'Obtain addresses automatically (enable DHCP Client)' and 'Use the following static addresses (disable DHCP Client)'. The second option is selected and highlighted with a red box. Below it are input fields for IP Address, Subnet, Gateway, DNS Primary, and DNS Secondary, all of which are also highlighted with a red box. The 'Proxy Arp' checkbox is checked and labeled 'Enabled'. At the bottom are 'Apply' and 'Cancel' buttons.

Click on Bullet. Use the following static addresses (disable DHCP Client).

This will give you the option to input the static IP Address, Subnet, Gateway and DNS.

Enter the information (found in your Verizon Service Activation Email).

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Enter the 1st IP Address of the block of IP's in the IP address field, the Subnet in the Subnet field, the Gateway in the Gateway field, and the Primary and Secondary DNS servers in the DNS fields.

NOTE: Remember the IP address entered here because you will need to reference it again.



Check the checkbox labeled "Proxy Arp."

Return to the Main menu by selecting Main on the left column.



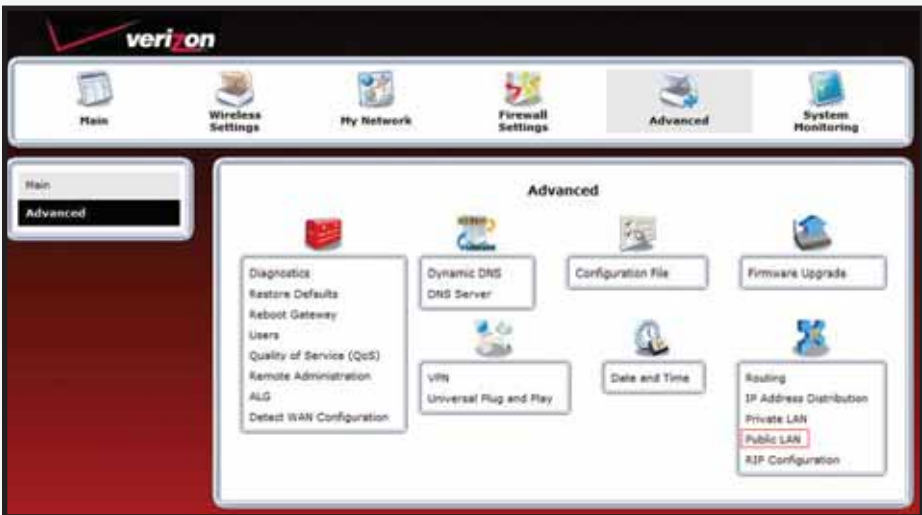
Select Advanced from the menu.



Click "Yes" at the warning screen.



Select Public LAN.



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Note: Make sure DHCP is NOT enabled/checked.

Check the box next to Public LAN Enable.

Enter the 1st IP Address (of the block of IP's) in the Public LAN IP Address box.

This is the address the router will use to "bridge" the router to the computers on the network.

Enter the Subnet mask 255.255.255.248 into the Public LAN Subnet Mask box.

Make sure there is a check mark in the Public LAN Enable box.

Click Save to save the settings. The other IP's will be entered directly into the computers on the network.

Proceed to Section 3 for computer configuration instructions for multiple static IP addresses.

For each additional PC follow the instructions in Section 3, "Configuring your Static IP address into Windows XP, Windows Vista and MAC OS X."

SECTION

3

Configuring your Static IP address into Windows XP, Windows Vista and MAC OS X

WINDOWS® XP - SET UP SINGLE OR MULTIPLE STATIC IP ADDRESSES

1. Click the Start button. Then click on My Computer.



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2. Click on the My Network Places icon.



3. Click on View Network Connections.



4. If the LAN Connection is enabled, go to step 5.

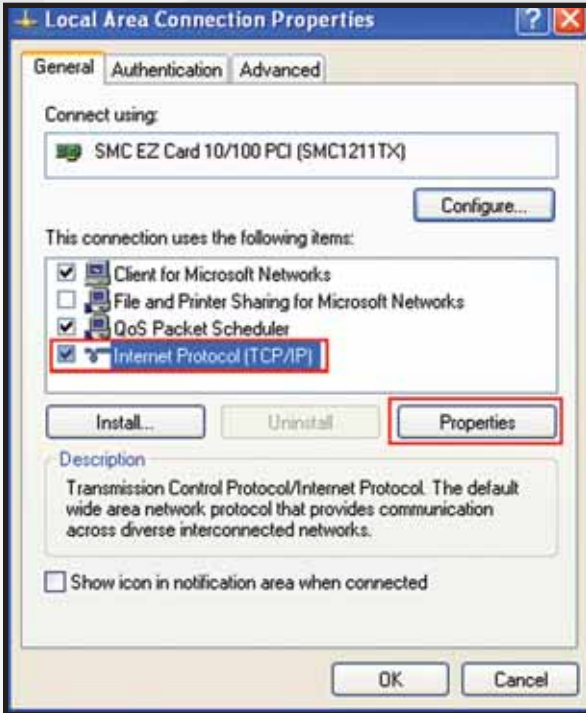
Note: If LAN Connections is disabled, then right click on Local Area Connection icon and click on Enable.

5. Right click on Local Area Connection then click on Properties.



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6. The Local Area Connection Properties window should open. Click on Internet Protocol (TCP/IP) to highlight it then click on Properties.

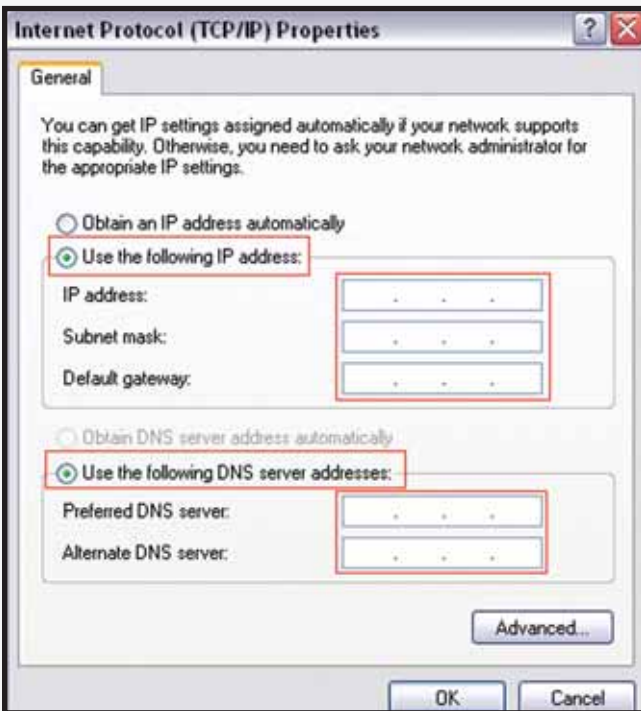


7. Click on the General tab and select Use the following IP Address. Enter the IP address Subnet Mask and Default gateway address (found in your Verizon Service Activation Email). Go down to "Use the Following DNS Server" section.

Click on Preferred DNS server textbox and enter the DNS 1 address (found in your Verizon Service Activation Email).

Then click on Alternate DNS server textbox and enter DNS 2 address (found in your Verizon Service Activation Email).

Click "OK" at the Internet Protocol (TCP/IP) window.



Click "OK" at the Local Area Connection properties window.

8. Please restart your computer to apply new settings.

9. Open the browser and test your Internet connection by going to **business.verizon.net** to learn about the Verizon Small Business Center, Verizon email, web hosting and where to get additional Verizon High Speed Internet support.

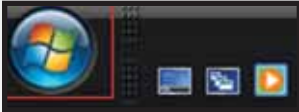
NEED HELP? Call The Verizon Online Business Center at 1.888.649.9500

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WINDOWS VISTA® - SET UP SINGLE OR MULTIPLE STATIC IP ADDRESSES

Note: The steps in this section should be used to configure the computer to work with the Verizon 7500 Modem.

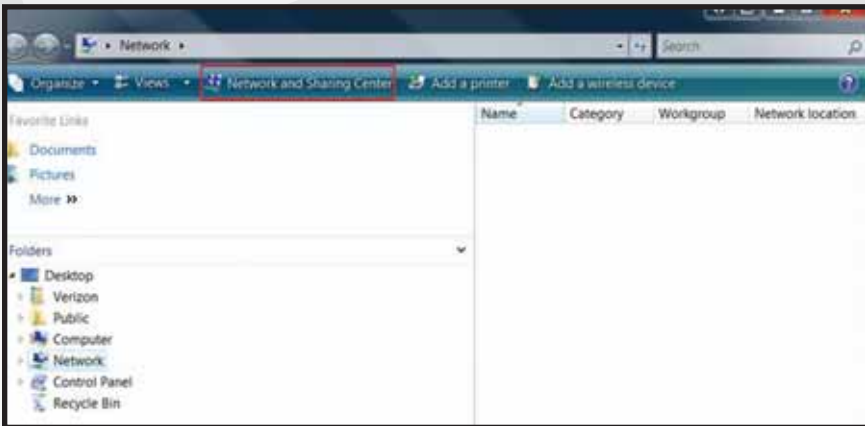
1. Click the Start button.



2. Click on Network.



3. Click Network and Share Center.

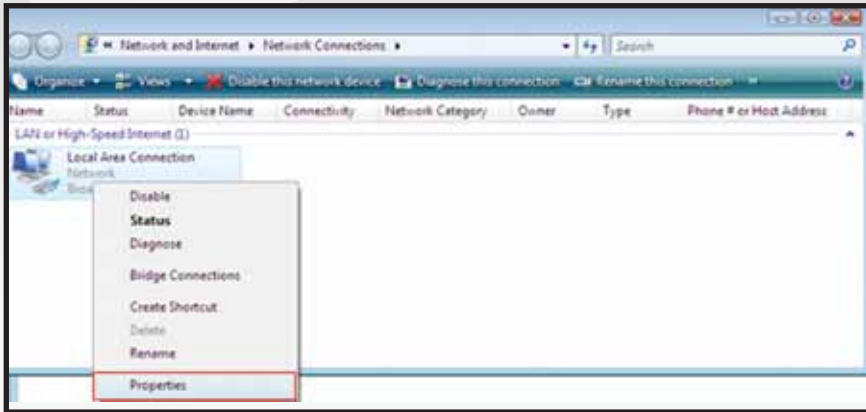


4. Click Manage network connections from the left menu.

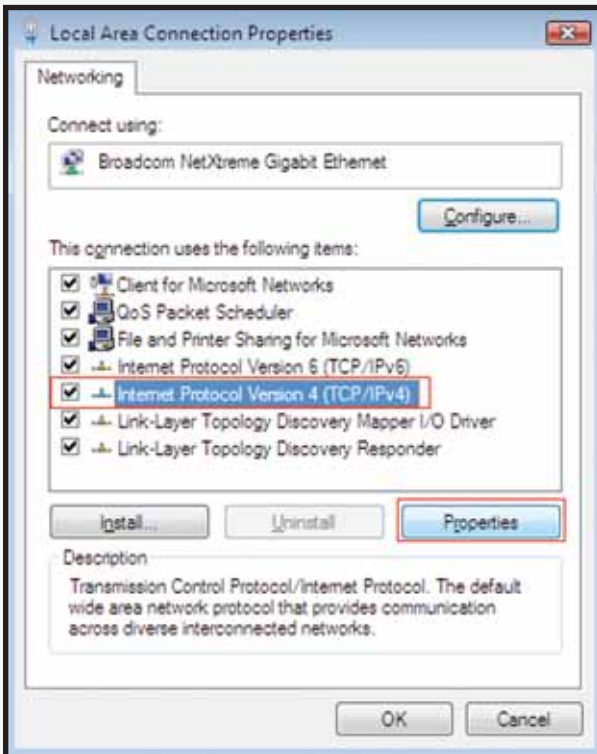


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5. Right-click Local Area Connection and click Properties.



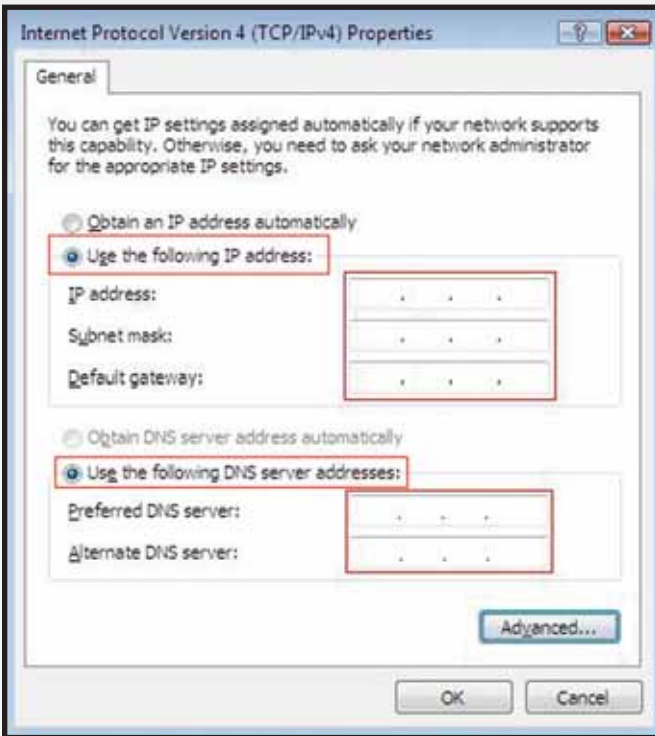
6. Select Internet Protocol Version 4 (TCP/IPv4) and click Properties.



7. Enter the IP address Subnet Mask and Default gateway address (found in your Verizon Service Activation Email). Go down to “Use the Following DNS Server” section.

Click on Preferred DNS server textbox and enter the DNS 1 address (found in your Verizon Service Activation Email).

Then click on Alternate DNS server textbox and enter DNS 2 address (found in your Verizon Service Activation Email).



Click “OK” at the Internet Protocol (TCP/IP) window.

Click Close at the Local Area Connection properties window.

8. On the Network Connections Window, click on File Then Close.

9. Please restart your computer to apply new settings.

10. Open the browser and test your Internet connection by going to **business.verizon.net** to learn about the Verizon Small Business Center, Verizon email, web hosting and where to get additional Verizon High Speed Internet support.

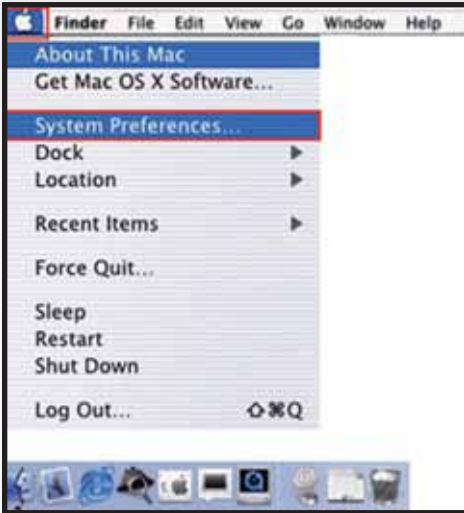
NEED HELP? Call The Verizon Online Business Center at 1.888.649.9500

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MAC OS X 10.4 - SET UP SINGLE OR MULTIPLE STATIC IP ADDRESSES

Note: The steps in this section should be used to configure the computer to work with the Verizon 7500 Modem.

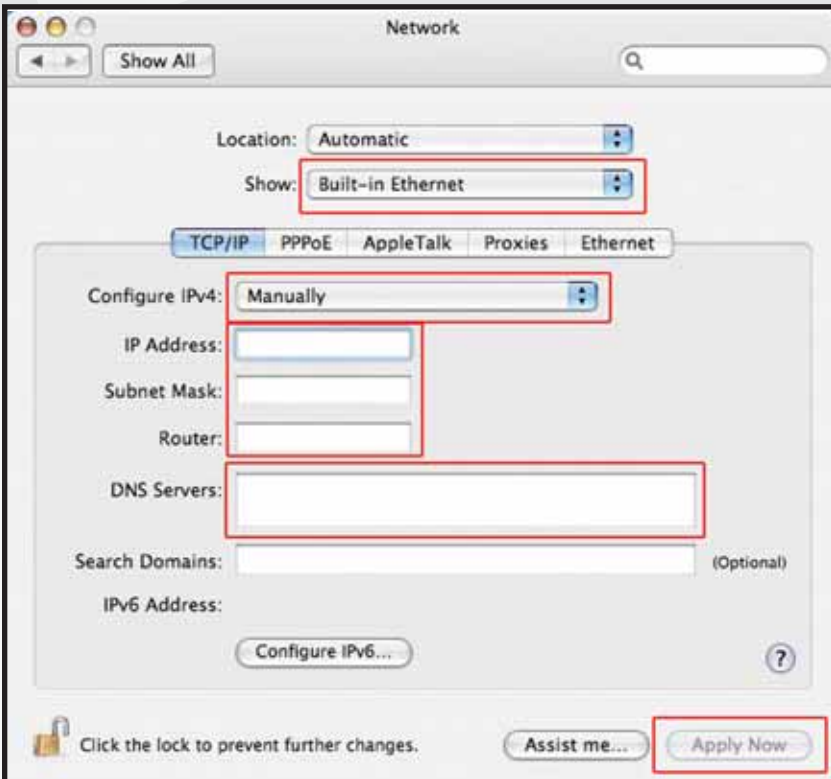
1. First click the Apple, Select Location, then click System Preferences.



2. The System Preferences window opens. Click Network on the top menu.



3. The Network window opens. Select Built-in Ethernet in the show field. Select Manually in the Configure IPv4 field.



4. Enter your Static IP Address and Subnet Mask (found in your Verizon Service Activation Email). Click on the Router field and enter your Default Gateway Address (found in your Verizon Service Activation Email). Click on the Domain Name Servers textbox and enter the DNS1 and DNS 2 Server Addresses (found in your Verizon Service Activation Email). Click "Apply" Now.

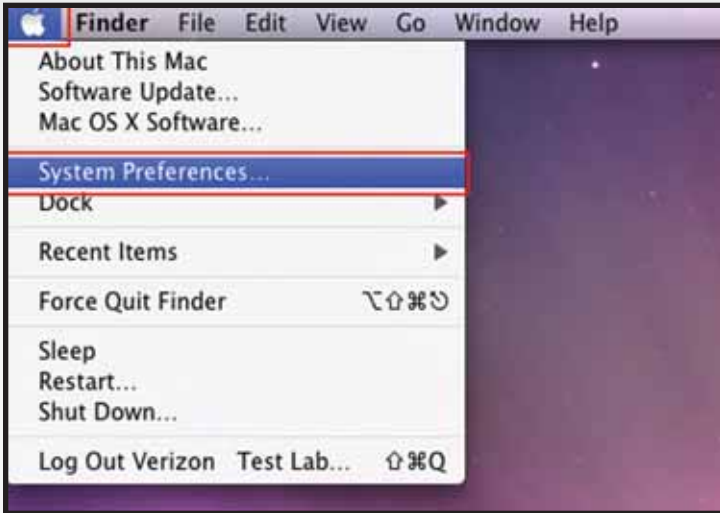
5. Open the browser and test your Internet connection by going to **business.verizon.net** to learn about the Verizon Small Business Center, Verizon email, web hosting and where to get additional Verizon High Speed Internet support.

Verizon High Speed Internet for Business

MAC OS X 10.5 - SET UP SINGLE OR MULTIPLE STATIC IP ADDRESSES

Note: The steps in this section should be used to configure the computer to work with the Verizon 7500 Modem.

1. First click the Apple, Select Location, then click System Preferences.



2. The System Preferences window opens. Click Network on the top menu.



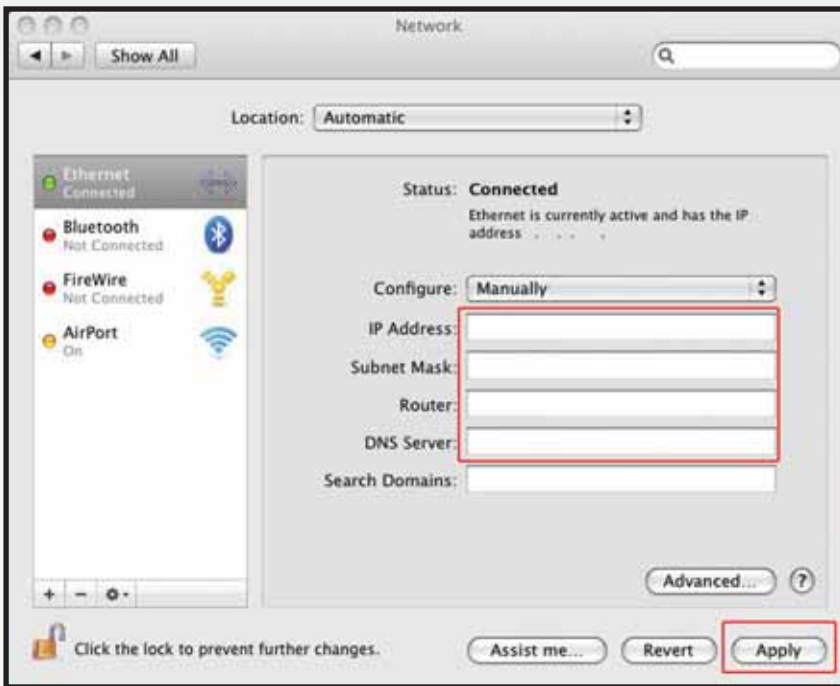
3. The Network window opens. In the dropdown menu labeled Configure, select Manually.



NEED HELP? Call The Verizon Online Business Center at 1.888.649.9500

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4. Enter your Static IP Address and Subnet Mask (found in your Verizon Service Activation Email). Click on the Router field and enter your Default Gateway Address (found in your Verizon Service Activation Email). Click on the Domain Name Servers textbox and enter the DNS1 and DNS 2 Server Addresses Server Addresses separated by a comma and a space (found in your Verizon Service Activation Email). Click "Apply" Now.



5. Open the browser and test your Internet connection by going to **business.verizon.net** to learn about the Verizon Small Business Center, Verizon email, web hosting and where to get additional Verizon High Speed Internet support.

SECTION

4

Troubleshooting If your Internet Connection is not working

If your connection is not working, here are some simple things you can try:

- Restart your computer.
- Check your Static IP setting; make sure the IP addresses are Correct and in proper position.
- If your connection is still not working, please call The Verizon Business Center at **1.888.649.9500**, choose the option for Installation Support to verify that your Static IP is available.

NEED HELP? Call The Verizon Online Business Center at 1.888.649.9500

STATICGWAYGD



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