



Barricade™

Wireless Broadband Router

4- Port Wireless Broadband Router

- 802.11b compliant
- Wireless operation at 11, 5.5, 2, or 1 Mbps
- Instant Internet Sharing
- Firewall Security
- Simultaneous Web access for up to 253 PCs
- Built-in 10/100 Mbps switch
- Integrated print server
- Works with PCs or Macs

SMC[®]
N e t w o r k s

Quick Install Guide
SMC7004AWBR

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Congratulations on your purchase of the SMC Barricade™ Wireless Broadband Router.

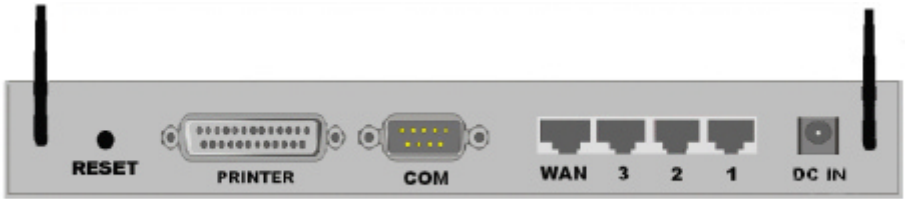
The SMC Wireless Barricade is a Broadband Router designed to share Internet Access, provide security, and to network multiple devices for a variety of users. The Barricade's simple installation setup can be used by the least experienced of users, while providing networking professionals with easy to configure advanced features. Please read the User Guide for advanced features of this product.

Thank you for purchasing an SMC product. We know you will enjoy the many features of the SMC Wireless Barricade.

This Package Contains

- One SMC Wireless Barricade
- One Power Adapter
- This Quick Installation Guide
- One Installation CD
- One Category 5 Fast Ethernet Cable

Connecting Devices to Your Wireless Barricade



Rear Panel

1. **Connecting Computers With Wires:** Connect computers directly to the Wireless Barricade on ports **1- 3**. If you have more than 3 computers to plug in with cables, connect a hub or a switch (using its uplink port) and connect additional computers to that device.
2. **Connecting Wireless Computers:** Simply make sure your wireless computers are within range of the Wireless Barricade.
3. **Connecting a Cable Modem or DSL Modem:** Connect your Cable or DSL modem to the **WAN** port.
4. **Connecting a Dial-up Modem:** If you use an external dial-up modem or ISDN modem, connect it to the **COM** port.
5. **Connecting Printer:** If you have a printer that you want to share between computers, connect it to the **PRINTER** port using a standard parallel printer cable.
6. **Power:** Plug the power cord into the **DC IN** jack. After the self-test, the **M1** light, located on the front panel, will flash once every second, indicating normal operation.



Front Panel

Configuring Wireless Connections

Make sure each wireless network adapter is properly installed along with all associated drivers and utilities. (Please see your wireless adapter's documentation for complete setup information.) You may need to change certain wireless settings for your wireless network card to communicate with the Wireless Barricade. Use the following values where they apply:

Network Type: Infrastructure

SSID: default

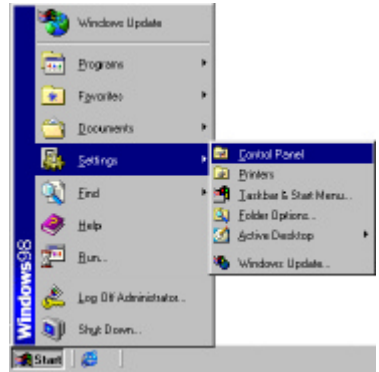
Channel: Channel 6 for North America; Channel 7 for European (ETSI); Channel 7 for Japan

WEP Security: Disable

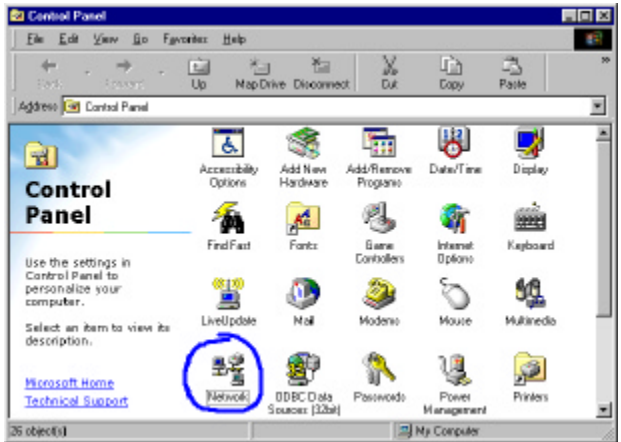
Note: We recommend establishing your wired connections to the Wireless Barricade before setting up your wireless connections.

Configuring Your Computer with Windows 95/98/Me

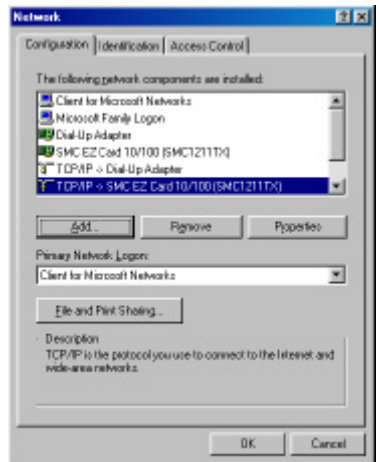
1. From the Windows desktop, click the “Start” button. Choose “Settings”, then “Control Panel.”



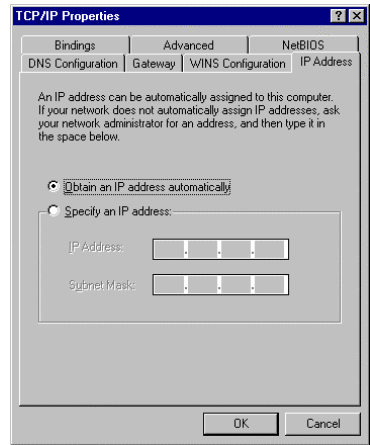
2. From “Control Panel” Double-click the “Network” icon.



3. In the “Network” window, under the “Configuration” tab, double-click the “TCP/IP” that is listed with your network card.



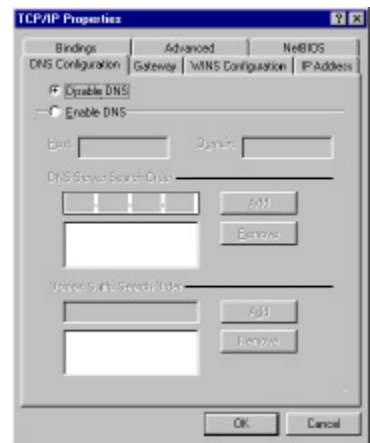
4. Select the “IP Address” tab. Click “Obtain an IP address automatically.”



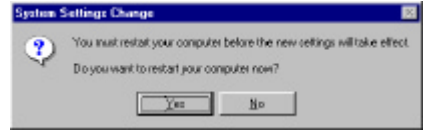
5. Click the “Gateway” tab. If there are any “Installed Gateways” listed, highlight each one and click “Remove.”



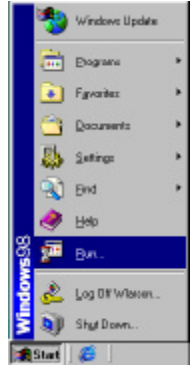
6. Click the “DNS Configuration” tab, and then select “Disable DNS.” Click the “OK” button.



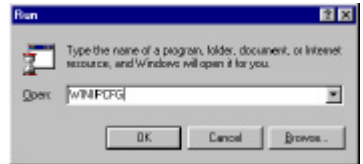
7. Click the “OK” button in the “Network” window. Windows may copy some files, then will prompt you to restart your system. Click “Yes” and your computer will shut down and restart.



8. Once your computer has restarted, click “Start”, then “Run...”



9. Type “WINIPCFG” and click “OK.” It may take a minute or two for the “IP Configuration” window to appear



10. From the drop-down menu, select your network card. Click “Release” and then “Renew.” Your “IP Address” should now be similar to the Wireless Barricade (i.e. 192.168.123.xxx). Click “OK” to close the “IP Configuration” window.



11. Open your web browser (i.e. Internet Explorer or Netscape Navigator).

12. Clear all proxy settings:

- a. For Internet Explorer:
 - i. Click “Tools”, then “Internet Options.”



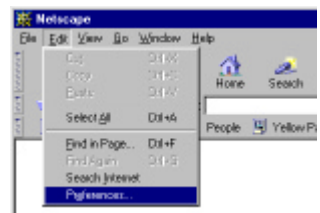
- ii. In the “Internet Options” window click the “Connections” tab. Next, click the “LAN Settings...” button.



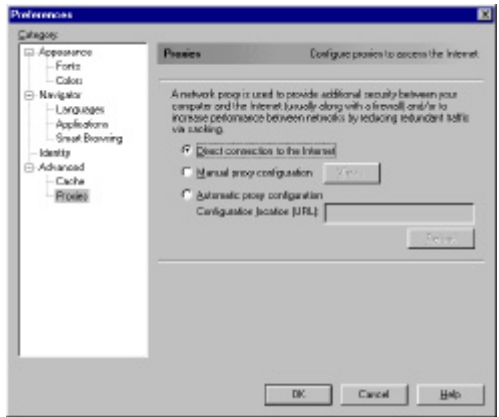
- iii. Clear all the checkboxes.
 - iv. Click “OK”, and then click “OK” again to close the “Internet Options” window.



- b. For Netscape Navigator:
 - i. Click “Edit”, then click “Preferences...”



- ii. In the “Preferences” window, under “Category” double-click “Advanced”, then click “Proxies”. Select “Direct connection to the internet.” Click “OK”



13. Repeat these steps for each Windows 95/98/Me computer connected to your Wireless Barricade

Configuring Your Wireless Barricade

If you connect to the Internet using a:

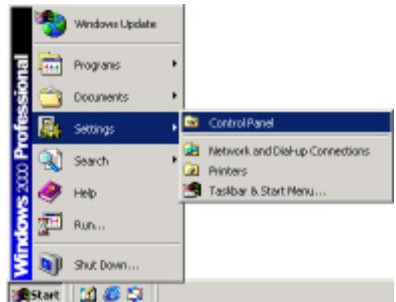
[Cable Modem, turn to page 14](#)

[DSL Modem turn to page 16](#)

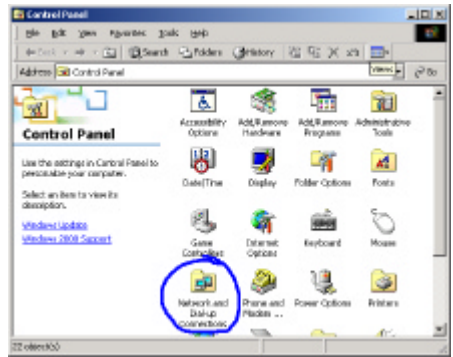
[DSL Modem with a Log-In Name and Password turn to page 18](#)

Configuring Your Computer with Windows 2000

1. From the Windows desktop, click the “Start” button. Choose “Settings”, then “Control Panel.”



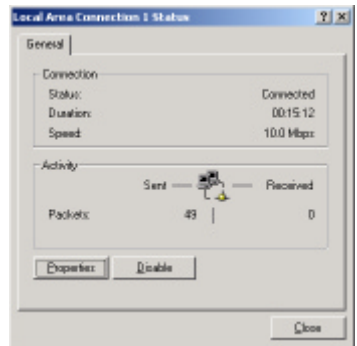
2. Double-click the “Network & Dial-Up Connections” icon.



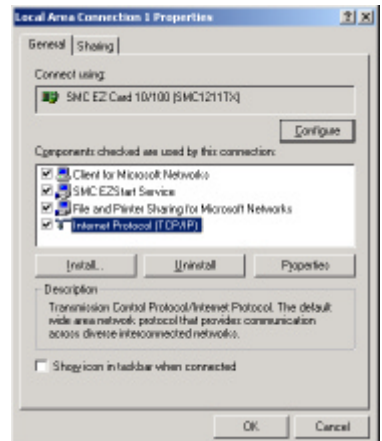
3. Double-click the icon that corresponds to the connection to your Wireless Barricade



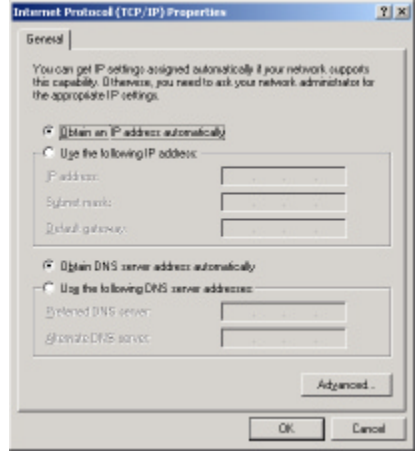
4. Click “Properties.”



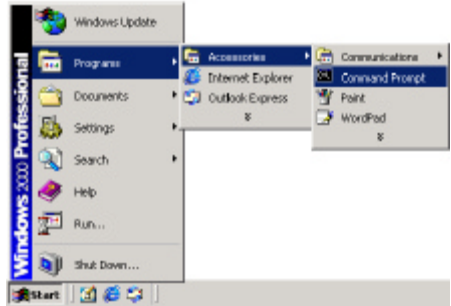
5. Double-click “Internet Protocol (TCP/IP).”



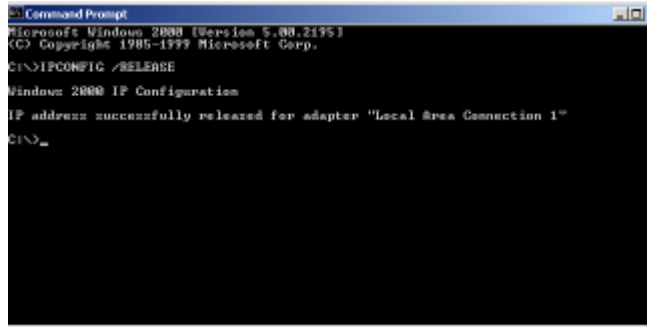
- 6. Select “Obtain an IP address automatically” and then select “Obtain DNS server address automatically.” Then click “OK.” Click “OK” or “Close” to close each window.



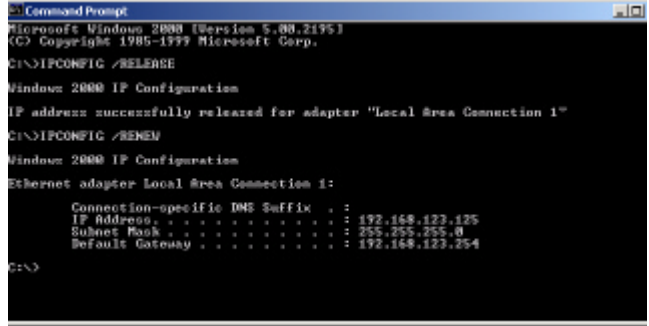
- 7. From the Windows desktop, click the “Start” button, then “Programs”, then “Accessories”, and then click “Command Prompt.”



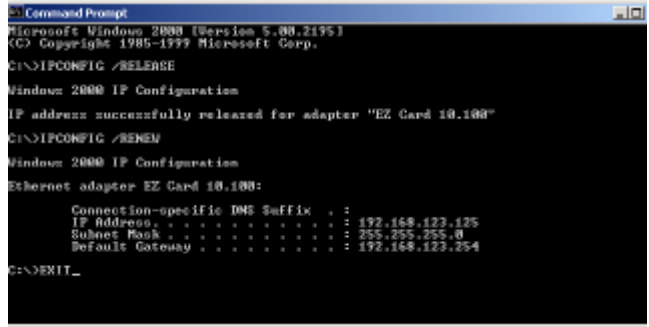
- 8. In the “Command Prompt” window, type “IPCONFIG /RELEASE” and press the <ENTER> key.



- 9. Type “IPCONFIG /RENEW” and press the <ENTER> key. Your “IP Address” should now be similar to the Wireless Barricade (i.e. 192.168.123.xxx).

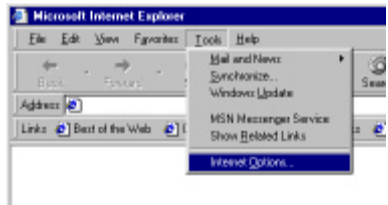


- 10. Type “EXIT” and press <ENTER> to close the “Command Prompt” window.



- 11. Open your web browser (i.e. Internet Explorer or Netscape Navigator).

- 12. Clear all proxy settings:
 - a. For Internet Explorer:
 - i. Click “Tools”, then “Internet Options.”



- ii. In the “Internet Options” window click the “Connections” tab. Next, click the “LAN Settings...” button.



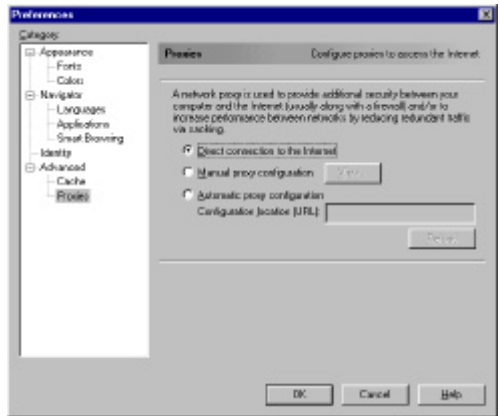
- iii. Clear all the checkboxes and click “OK.” Click “OK” again to close the “Internet Options” window.



- b. For Netscape Navigator:
 - i. Click “Edit”, then click “Preferences...”



- ii. In the “Preferences” window, under “Category” double-click “Advanced”, then click “Proxies”. Select “Direct connection to the internet.” Click “OK.”



13. Repeat these steps for each computer connected to your Wireless Barricade.

Configuring Your Wireless Barricade

If you connect to the Internet using a:

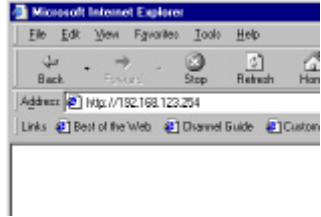
[Cable Modem, turn to page 14](#)

[DSL Modem, turn to page 16](#)

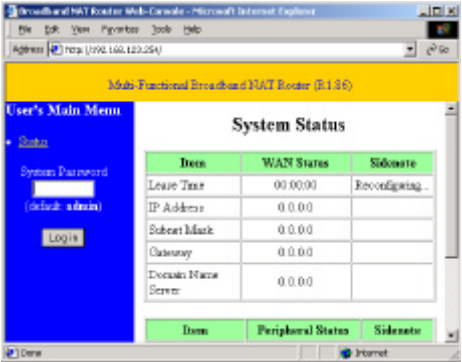
[DSL Modem with a Log-In Name and Password, turn to page 18](#)

Configuring Your Wireless Barricade for a Cable Modem

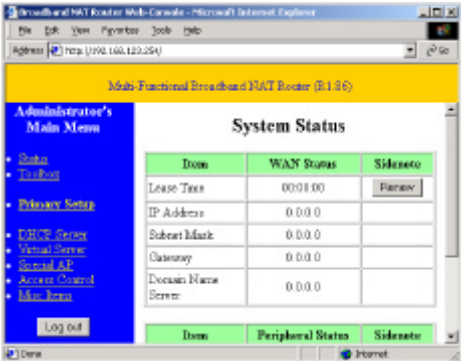
1. Open your web browser (i.e. Internet Explorer or Netscape Navigator).
2. In the “Location” field (for Netscape) or “Address” field (for Internet Explorer), type “http://192.168.123.254” and press <ENTER>.



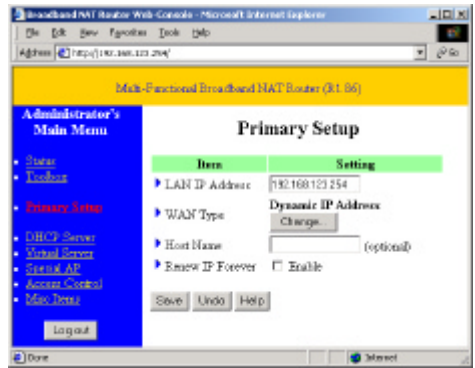
3. In the ”System Status” page of the Wireless Barricade web console, type your password in the “System Password” field (default is “admin”) and click the “Log In” button.



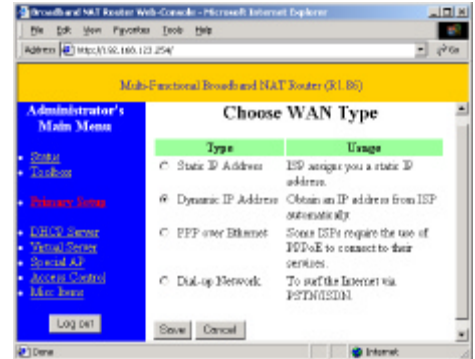
4. Click “Primary Setup”



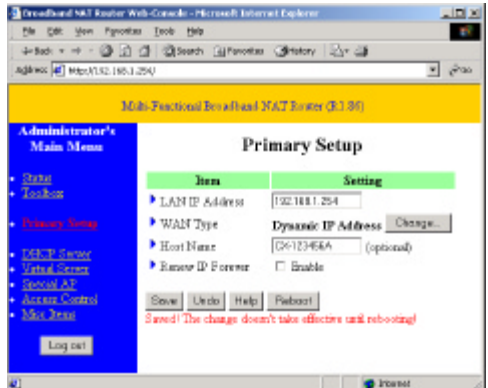
5. Under “WAN Type” Click the “Change...” button.



6. Select “Dynamic IP Address” and click the “Save” button.



7. Key in your “Host Name” if your Internet Service Provider has given you one (i.e. CX123456-A).



8. Click “Save”, and then click the “Reboot” button.

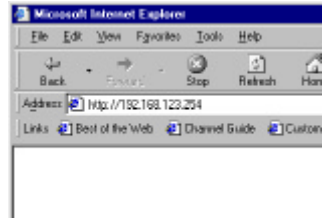
9. When prompted to reboot now, click “OK.”



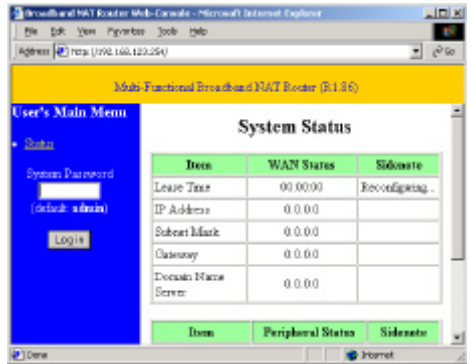
10. Once the Wireless Barricade is rebooted, you can surf the Internet as you normally would from all computers connected to it.

Configuring Your Wireless Barricade for a DSL Modem

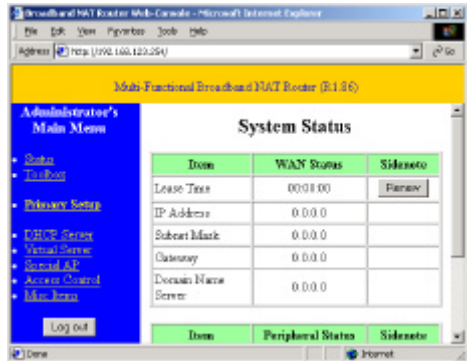
1. Open your web browser (i.e. Internet Explorer or Netscape Navigator).
2. In the “Address” field (for Internet Explorer) or “Location” field (for Netscape), type “http://192.168.123.254” and press <ENTER>.



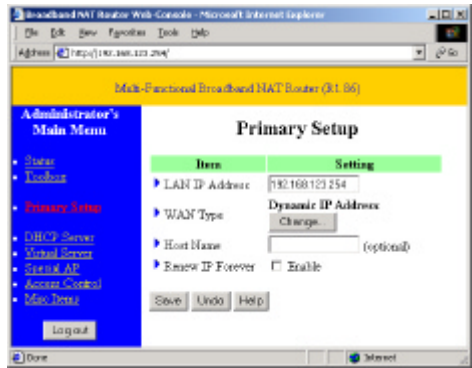
3. In the “System Status” page of the Wireless Barricade web console, type your password in the “System Password” field (default is “admin”) and click the “Log In” button.



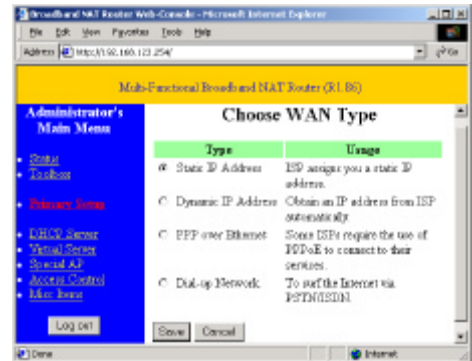
4. Click “Primary Setup”



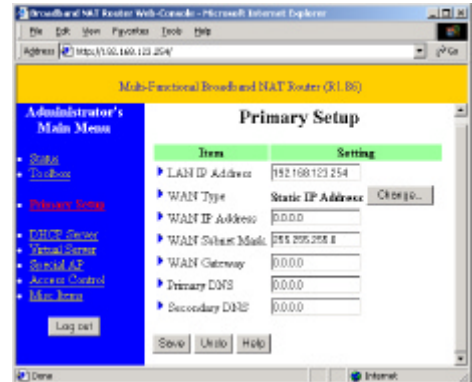
- Under “WAN Type” Click the “Change...” button.



- Select “Static IP Address” and click the “Save” button.



- In the spaces provided, key in the values provided to you by your ISP. (**Note:** Enter the IP Address given to you in the “WAN IP Address” field, not the “LAN IP Address” field.)



- Click “Save”, and then click the “Reboot” button.

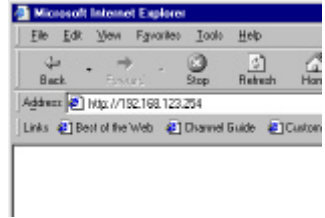
- When prompted to reboot now, click “OK.”



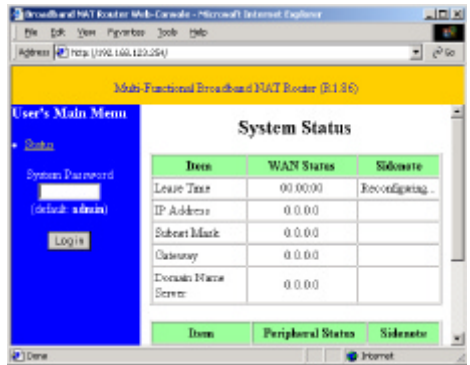
- Once the Wireless Barricade is rebooted, you can surf the Internet as you normally would from all computers connected to it.

Configuring Your Wireless Barricade for a DSL Modem with a Log-In Name and Password

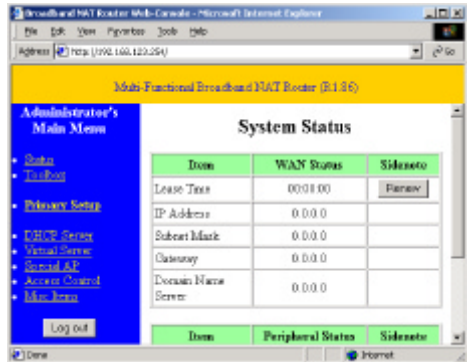
1. Open your web browser (i.e. Internet Explorer or Netscape Navigator).
2. In the “Location” field (for Netscape) or “Address” field (for Internet Explorer), type “http://192.168.123.254” and press <ENTER>.



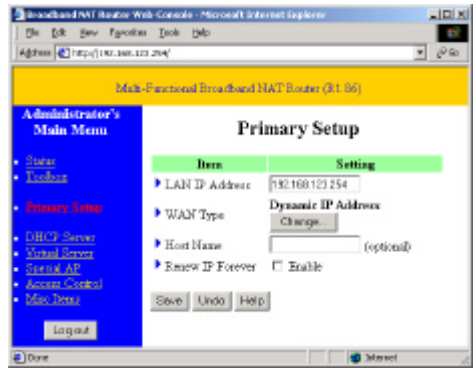
3. In the ”System Status” page of the Wireless Barricade web console, type your password in the “System Password” field (default is “admin”) and click the “Log In” button.



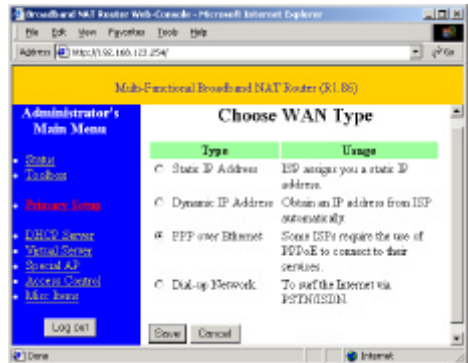
4. Click “Primary Setup”



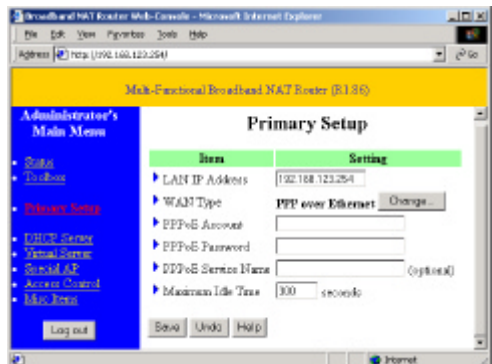
- Under “WAN Type” Click the “Change...” button.



- Select “PPP over Ethernet” and click the “Save” button.



- Key in your Account Name and Password in the appropriate fields. If your ISP has supplied you with a Service Name, enter it in the “Service Name” field; otherwise, leave it blank.



- Click “Save”, and then click the “Reboot” button.

- When prompted to reboot now, click “OK.”

- Once the Wireless Barricade is rebooted, you can surf the Internet as you normally would from all computers connected to it.



Installing and Configuring the Print Server

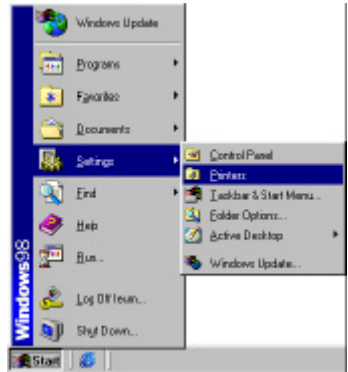
If you are not connecting your printer to your Wireless Barricade, skip this section.

1. Insert the installation CD into the CD-ROM drive. The installation screen will automatically appear. (If it doesn't, please click "Start", and then "Run..." Then type "<CD-ROM Drive>:\install.exe" and click "OK." .)



2. Click the "Install" button. Follow the prompts on the screen. After rebooting your computer, the *software installation* is complete but your computer must still be configured.

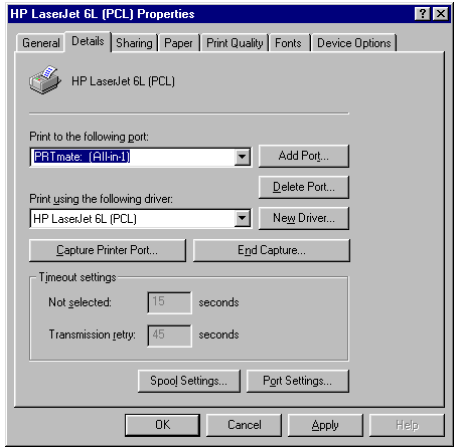
3. Click "Start", click "Settings", and then select "Printers."



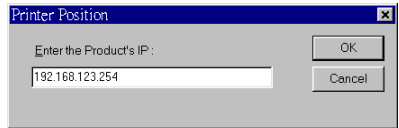
4. Right click the printer connected to the Wireless Barricade, then click "Properties."



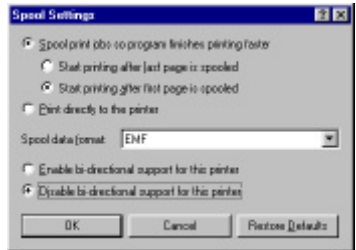
5. Click the “Details” tab.
6. Under “Print to the following port:” select “PRTmate: (All-in-1).”
7. Click “Port Settings.”



8. Enter the Wireless Barricade IP Address (default is 192.168.123.254) and click “OK.”



9. Click “Spool Settings...” and, if available, select “Disable bi-directional support for this printer” and click “OK”



10. Click “OK” to close the printer details window.

11. Your computer is now configured to print via the Wireless Barricade Print Server. Repeat these steps on each computer connected to the Wireless Barricade.

Using the CD

Insert the CD into your CD-ROM drive. The installation screen will automatically appear. (If it doesn't, please click "Start", and then "Run..." Then type <CD-ROM Drive>":\install.exe" and click "OK.")



- A. **To install the print server software:** Please refer to section "Installing and Configuring the Print Server" in this guide.
Note: If you are not connecting your Barricade to a printer, you do not need to install the print server software.

- B. **To read the User Guide:** Click on "Read User Manual." (Note: you must have Adobe Acrobat Reader installed before viewing the manual. If you do not have it, you can install it from the CD. To install it, click "Start", then "Run..." and type <CD-ROM Drive>":\viewer\rs405eng.exe.")

Troubleshooting

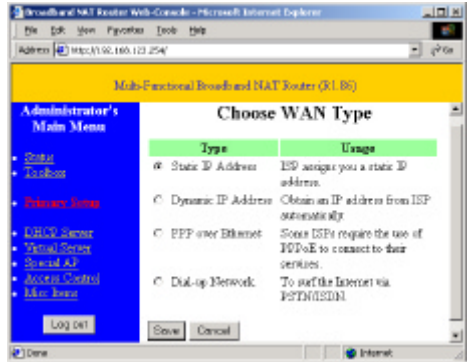
Here are some things to try if, after following the steps in this guide, you still have problems with:

Connecting to the Internet

How do I find out which WAN type to select?

Use the following general rules to determine which WAN type your ISP uses:

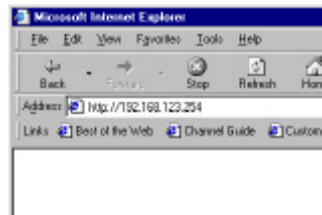
- A. If your ISP has given you a specific “IP Address”, select “Static IP.”
- B. If use a Username and a Password to log in to your service, select “PPP over Ethernet.”
- C. If you use an external dial-up modem connected to your Barricade, select “Dial-up Network.”
- D. If your ISP has given you a “host-name”, select “Dynamic IP Address.”



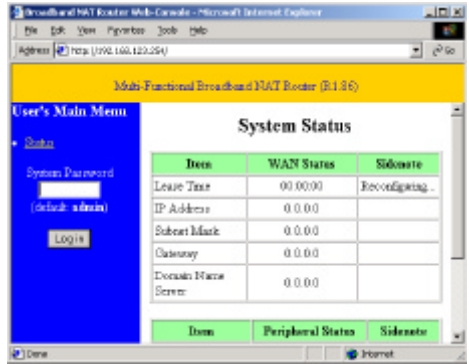
I can't access the Internet through my Wireless Barricade.

Depending on your Internet Service Provider (ISP), there are settings that you must change in order to connect to the Internet.

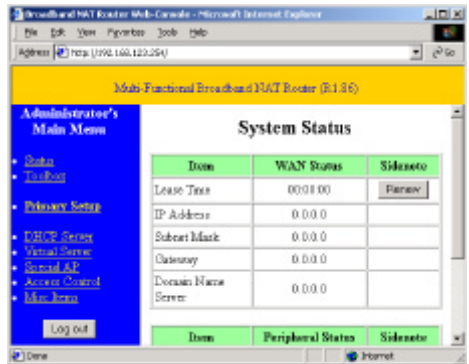
- A. If you subscribe to an “@Home” service and have a dynamic IP address, you will need to enter a “host name.” If your ISP does not require a host name, you must leave this field blank. To enter your host name:
 - 1. Open your web browser (i.e. Internet Explorer or Netscape Navigator).
 - 2. In the “Location” field (for Netscape) or “Address” field (for Internet Explorer), type “http://192.168.123.254” and press <ENTER>.



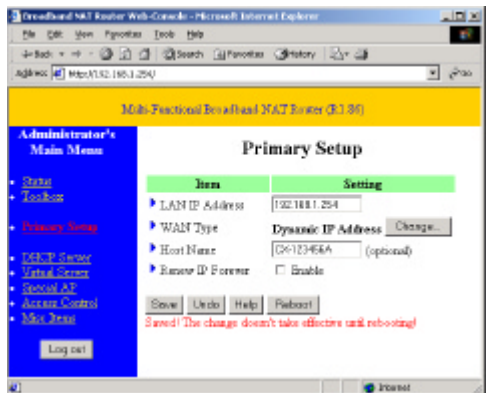
- In the "System Status" page of the Wireless Barricade web console, type your password in the "System Password" field (default is "admin") and click the "Log In" button.



- Click "Primary Setup"



- Make sure "WAN Type" is set to "Dynamic IP Address" and enter the host name given to you by your ISP (i.e. CX123456).



- Click "Save" and then click "Reboot."

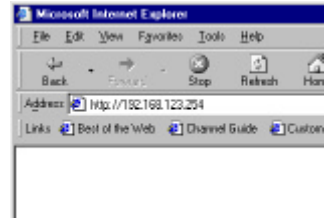


7. When prompted to reboot now, click “OK.”

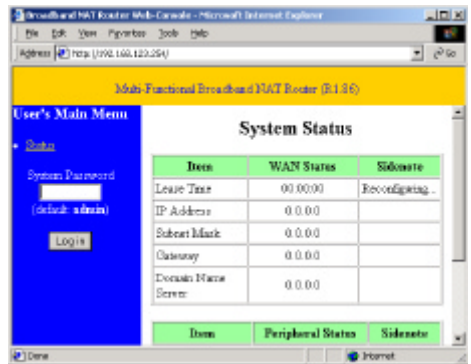
B. Your ISP may require a domain name. If your ISP does not require a domain name, you must leave this field blank. To enter your domain name:

1. Open your web browser (i.e. Internet Explorer or Netscape Navigator).

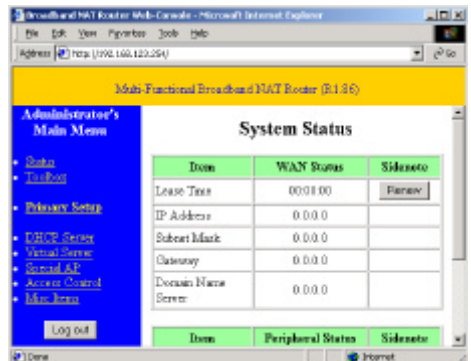
2. In the “Location” field (for Netscape) or “Address” field (for Internet Explorer), type “http://192.168.123.254” and press <ENTER>.



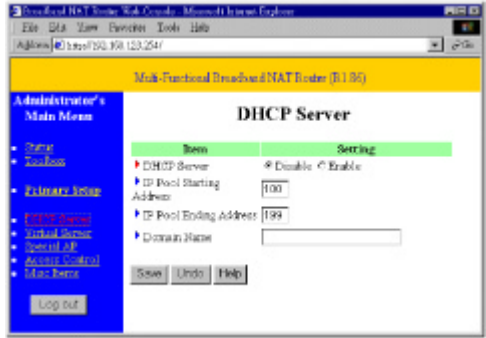
3. In the “System Status” page of the Wireless Barricade web console, type your password in the “System Password” field (default is “admin”) and click the “Log In” button.



4. Click “DHCP Server.”



- In the “Domain Name” field, key in the domain name given to you by your ISP (i.e. xxx.yyy.home.com).



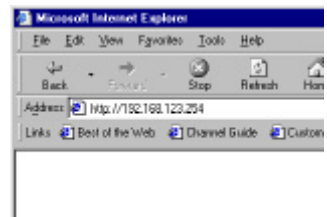
- Click “Save” and then click “Reboot.”
- When prompted to reboot now, click “OK.”



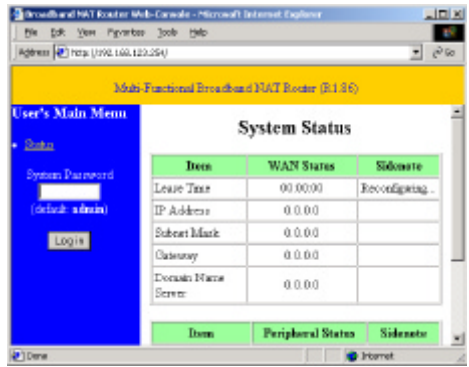
- You may need to have your Wireless Barricade clone the MAC address of your Ethernet adapter. Your ISP may register your MAC address (a MAC address is a serial number that is unique to every Ethernet adapter), and your Barricade needs to pass on that address to your ISP. To do so:

- Make sure that you are using the computer and Ethernet adapter that was originally connected to your ISP.
- Open your web browser (i.e. Internet Explorer or Netscape Navigator).

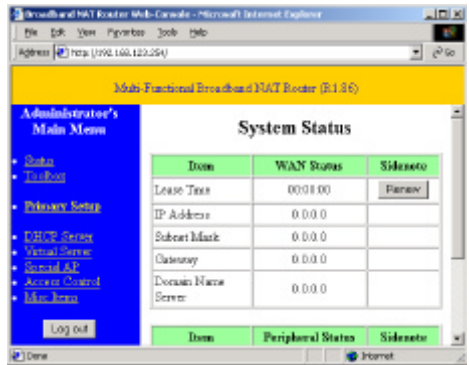
- In the “Location” field (for Netscape) or “Address” field (for Internet Explorer), type “http://192.168.123.254” and press <ENTER>.



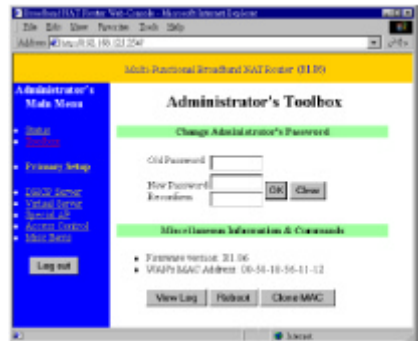
- In the "System Status" page of the Wireless Barricade web console, type your password in the "System Password" field (default is "admin") and click the "Log In" button.



- Click "Toolbox".



- Click the "Clone MAC" button.



- Click "Save" and then click "Reboot."

- When prompted to reboot now, click "OK."



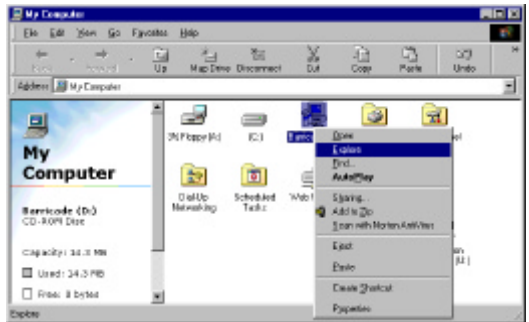
- D. If you use DSL, you may need to reconfigure your Wireless Barricade for a PPPoE connection (Point to Point Protocol over Ethernet). To reconfigure, go to the section labeled “Configuring Your Barricade for a DSL Connection with a Log-In Name and Password” on page 18.
- E. If you use a totally plug and play ISP (i.e. Time Warner or Road Runner in some areas) you may need to shut down and restart your cable modem after you’ve finished configuring the Barricade.

Reading the Manual

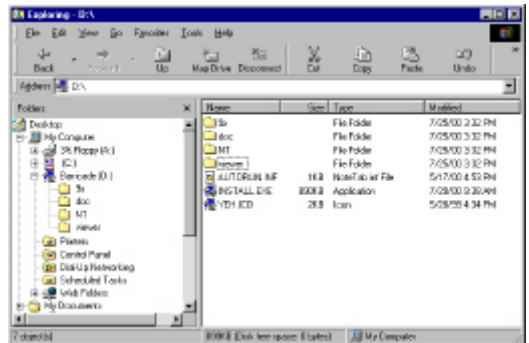
When I click on “User’s Manual” when the CD starts up, nothing happens

You may need to install the viewer first. To install the viewer software:

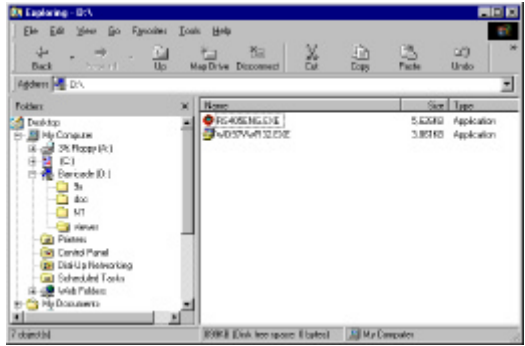
1. Double-click the “My Computer” icon on your Windows desktop.
2. Right-click the CD-ROM icon and select “Explore”.



3. Double-click the “viewer” folder.



- 4. Double-click the file “RS405ENG.EXE.” This will start the installation of the viewer software. Follow the screen prompts to complete the installation.



- 5. When the installation program is finished, remove and reinsert the CD, and then click the “User’s Manual” button.

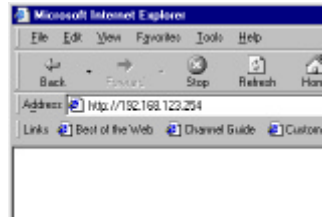


Wireless Connections

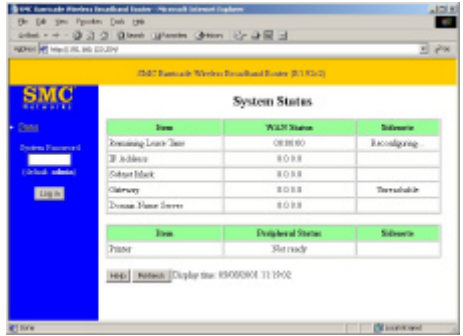
Why can't my wireless network card(s) link to the Wireless Barricade?

The wireless settings on your card(s) may be different from the settings on the Wireless Barricade. You may need to change the settings either on your wireless network card(s) or on your Wireless Barricade. To change the wireless settings on the Wireless Barricade:

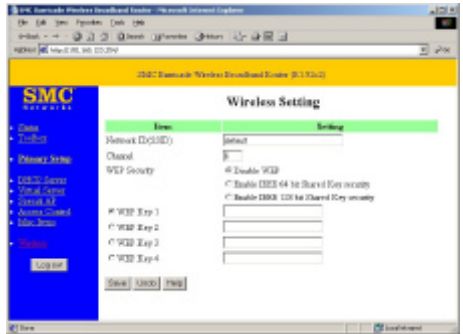
- 1. Open your web browser (i.e. Internet Explorer or Netscape Navigator).
- 2. In the “Location” field (for Netscape) or “Address” field (for Internet Explorer), type “http://192.168.123.254” and press <ENTER>.



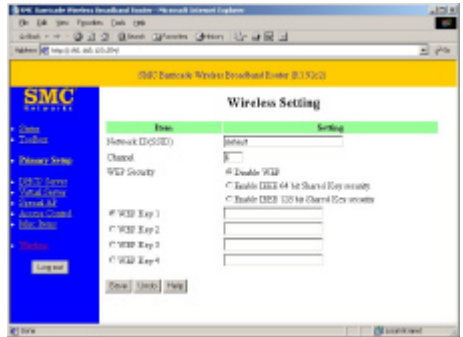
- In the "System Status" page of the Wireless Barricade web console, type your password in the "System Password" field (default is "admin") and click the "Log In" button.



- Click "Wireless."



- Enter the SSID and Channel setting from your card.
- If you are using WEP Security, enter your security key exactly as it is set on your card.
- Click "Save" and then click "Reboot."



- When prompted to reboot now, click "OK."



FOR TECHNICAL SUPPORT, CALL:

From U.S.A and Canada (24 hours a day, 7 days a week)
(800) SMC-4-YOU; (949) 707-2400; (949) 707-2460 (Fax)
From Europe (8:00 AM – 5:30 PM UK Greenwich Mean Time)
44 (0) 1344 420068; 44 (0) 1344 418835 (Fax)

INTERNET

E-Mail address:
techsupport@smc.com
Driver updates:
<http://www.smc.com/support.htm>
SMC Forum on CompuServe:
At the prompt (!) type: GO SMC
World Wide Web:
<http://www.smc.com/>
FTP Site:
<ftp.smc.com>

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Southern Europe	33 (1) 41.18.68.68	Fax 33 (1) 41.18.68.69
Central/Eastern Europe	49 (0) 89 92861-200	Fax 49 (0) 89 92861-230
Nordic	46 (8) 564 33145	Fax 46 (8) 87 62 62
Middle East	971-4818410	Fax 971-4817993
South Africa	27 (0) 11-3936491	Fax 27 (0) 11-3936491
PRC	86-10-6235-4958	Fax 86-10-6235-4962
Taiwan	886-2-2747-4780	Fax 886-2-2747-9220
Asia Pacific	(65) 338 8916	Fax (64) 337 7391
Korea	82-2-553-0860	Fax 82-2-553-7202
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Australia	61-2-9416-0437	Fax 61-2-9416-0474
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