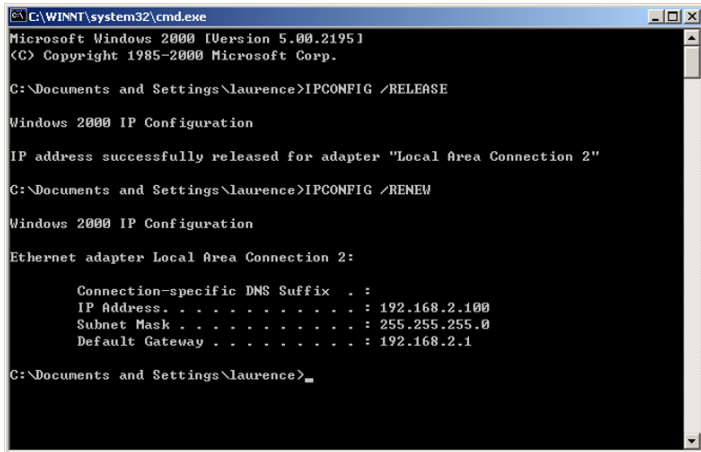


3. Type “IPCONFIG /RENEW” and press the **Enter** key. Verify that your IP Address is now **192.168.2.xxx**, your Subnet Mask is **255.255.255.0** and your Default Gateway is **192.168.2.1**. These values confirm that your Barricade is functioning correctly.



```
C:\WINNT\system32\cmd.exe
Microsoft Windows 2000 [Version 5.00.2195]
(C) Copyright 1985-2000 Microsoft Corp.

C:\Documents and Settings\laurence>IPCONFIG /RELEASE

Windows 2000 IP Configuration

IP address successfully released for adapter "Local Area Connection 2"

C:\Documents and Settings\laurence>IPCONFIG /RENEW

Windows 2000 IP Configuration

Ethernet adapter Local Area Connection 2:

    Connection-specific DNS Suffix  . : 
    IP Address. . . . . : 192.168.2.100
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.2.1

C:\Documents and Settings\laurence>
```

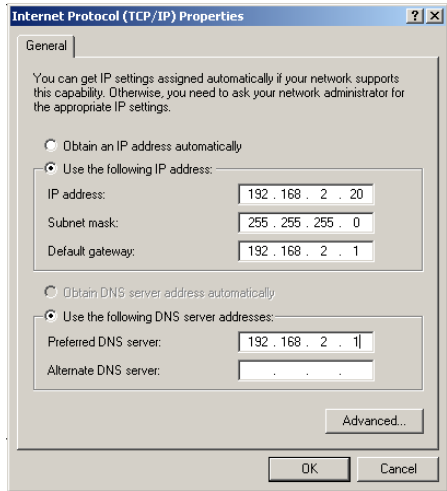
4. Type “EXIT” and press the **Enter** key to close the Command Prompt window.

Manual IP Configuration

1. Follow steps 1-4 in “DHCP IP Configuration” on page 3-3.

2. Select **Use the following IP address**.

Enter an IP address based on the default network **192.168.2.x** (where x is between 2 and 254), and use **255.255.255.0** for the subnet mask. Use **192.168.2.1** for the Default gateway field.



3. Select **Use the following DNS server addresses**.

4. Enter the IP address for the Barricade in the Preferred DNS server field. This automatically relays DNS requests to the DNS server(s) provided by your ISP. Otherwise, add a specific DNS server into the Alternate DNS Server field and click **OK** to close the dialog boxes.

5. Record the configured information in the following table.

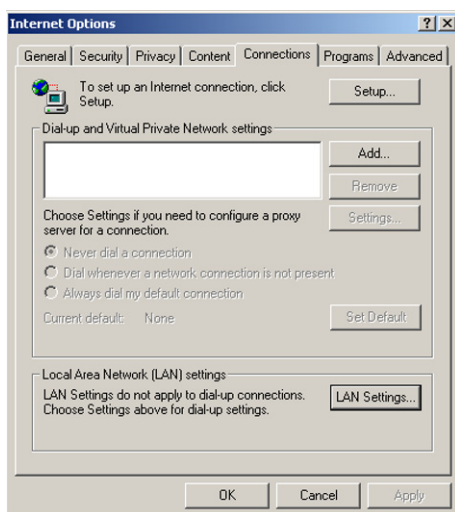
TCP/IP Configuration Setting

IP Address	____.____.____.____
Subnet Mask	____.____.____.____
Preferred DNS Server	____.____.____.____
Alternate DNS Server	____.____.____.____
Default Gateway	____.____.____.____

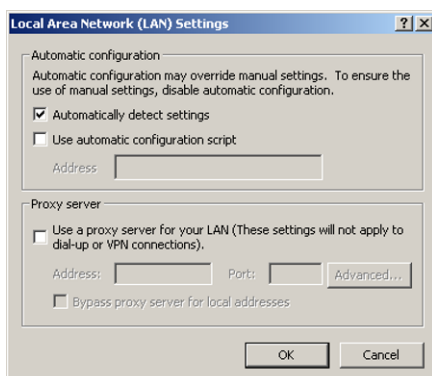
Disable HTTP Proxy

You need to verify that the “HTTP Proxy” feature of your web browser is disabled. This is so that your browser can view the Barricade’s HTML configuration pages.

1. To disable the proxy in Internet Explorer, click **Tools**. Click **Internet Options...** and then the **Connections** tab, shown on the right. In the Local Area Network (LAN) settings section, click **LAN Settings...** to display the Local Area Network (LAN) Settings pop-up window below.



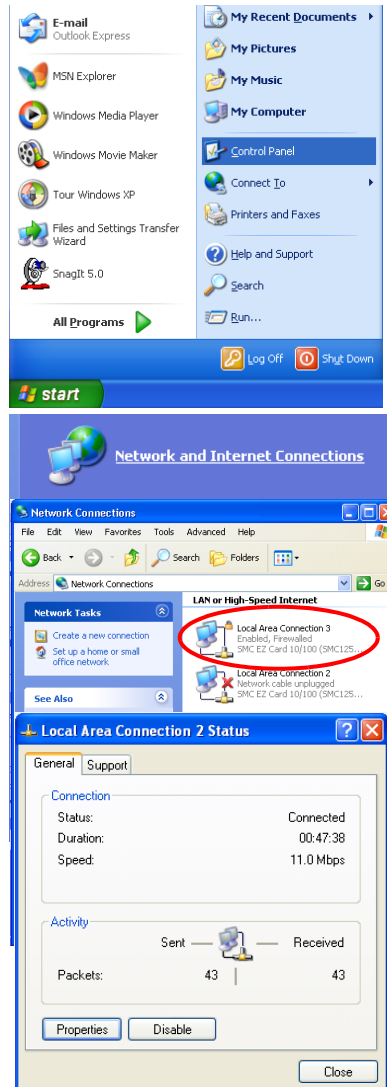
2. In the Proxy server section, ensure the **Use a proxy server for your LAN (These settings will not apply to dial-up or VPN connections)** check box is not ticked.
3. Click **OK**.



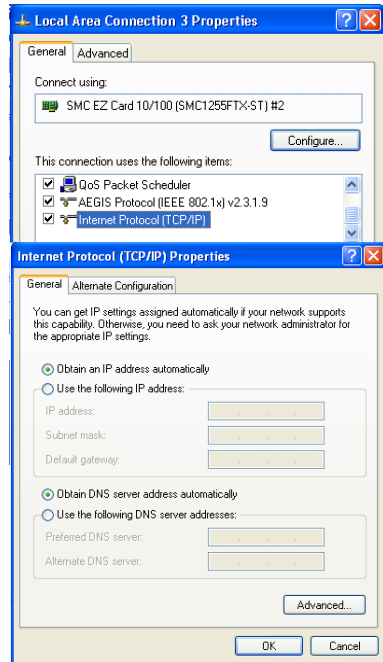
Windows XP

DHCP IP Configuration

1. On the Windows desktop, click **Start/Control Panel**.
2. In the Control Panel window, click **Network and Internet Connections**.
3. The Network Connections window will open. Locate and double-click the **Local Area Connection** icon for the Ethernet adapter that is connected to the Barricade.
4. In the connection status screen, click **Properties**.



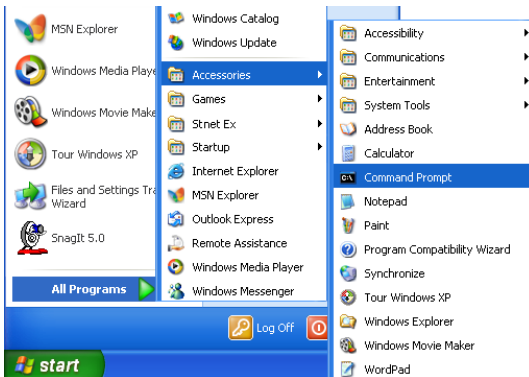
5. Double-click **Internet Protocol (TCP/IP)**.
6. If **Obtain an IP address automatically** and **Obtain DNS server address automatically** are already selected, your computer is already configured for DHCP. If not, select these options now and click **OK**.



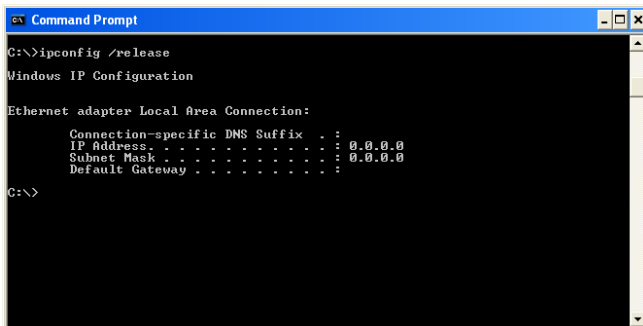
Obtain IP Settings From Your Barricade

Now that you have configured your computer to connect to your Barricade, it needs to obtain new network settings. By releasing old DHCP IP settings and renewing them with settings from your Barricade, you can verify that you have configured your computer correctly.

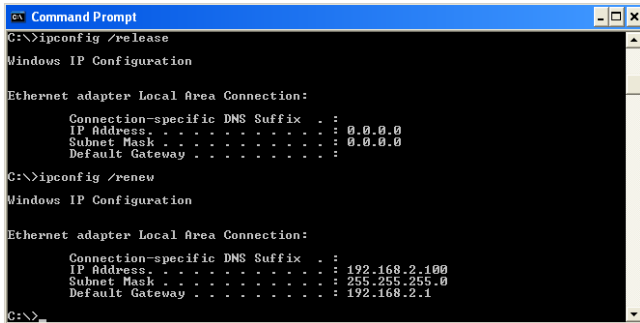
1. On the Windows desktop, click **Start/Programs/Accessories/Command Prompt**.



2. In the Command Prompt window, type “IPCONFIG /RELEASE” and press the **Enter** key.



3. Type “IPCONFIG /RENEW” and press the **Enter** key. Verify that your IP Address is now **192.168.2.xxx**, your Subnet Mask is **255.255.255.0** and your Default Gateway is **192.168.2.1**. These values confirm that your Barricade is functioning correctly.



```
C:\>ipconfig /release

Windows IP Configuration

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix  . : 
    IP Address. . . . . : 0.0.0.0
    Subnet Mask . . . . . : 0.0.0.0
    Default Gateway . . . . . : 

C:\>ipconfig /renew

Windows IP Configuration

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix  . : 
    IP Address. . . . . : 192.168.2.100
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.2.1

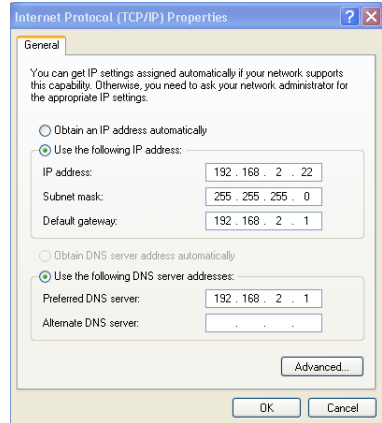
C:\>
```

4. Type “EXIT” and press the **Enter** key to close the Command Prompt window.

Your computer is now configured to connect to the Barricade.

Manual IP Configuration

1. Follow steps 1-5 in “DHCP IP Configuration” on page 3-9.
2. Select **Use the following IP Address**.
3. Enter an IP address based on the default network **192.168.2.x** (where x is between 2 and 254), and use **255.255.255.0** for the subnet mask. Use **192.168.2.1** for the Default gateway field.
4. Select **Use the following DNS server addresses**.
5. Enter the IP address for the Barricade in the Preferred DNS server field. This automatically relays DNS requests to the DNS server(s) provided by your ISP. Otherwise, add a specific DNS server into the Alternate DNS Server field and click **OK** to close the dialog boxes.
6. Record the configured information in the following table.



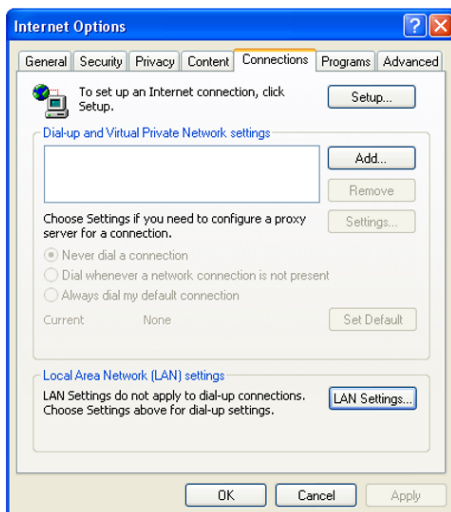
TCP/IP Configuration Setting

IP Address	_____ . _____ . _____ . _____
Subnet Mask	_____ . _____ . _____ . _____
Preferred DNS Server	_____ . _____ . _____ . _____
Alternate DNS Server	_____ . _____ . _____ . _____
Default Gateway	_____ . _____ . _____ . _____

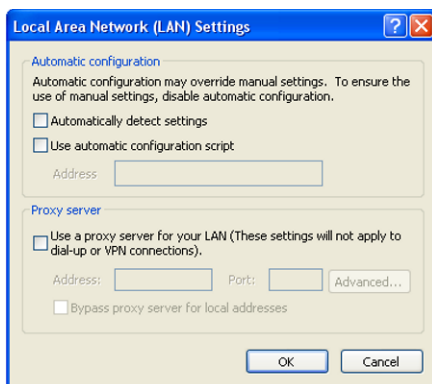
Disable HTTP Proxy

You need to verify that the “HTTP Proxy” feature of your web browser is disabled. This is so that your browser can view the Barricade’s HTML configuration pages.

1. To disable the proxy in Internet Explorer, click **Tools**. Click **Internet Options...** and then the **Connections** tab, shown on the right. In the Local Area Network (LAN) settings section, click **LAN Settings...** to display the Local Area Network (LAN) Settings pop-up window below.



2. In the Proxy server section, ensure the **Use a proxy server for your LAN (These settings will not apply to dial-up or VPN connections)** check box is not ticked.
3. Click **OK**.

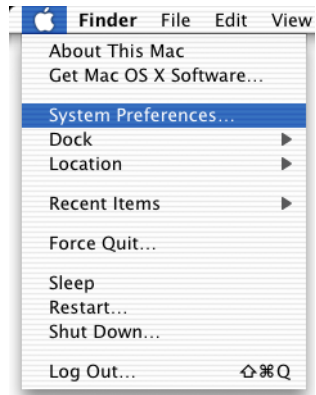


Configuring Your Macintosh Computer

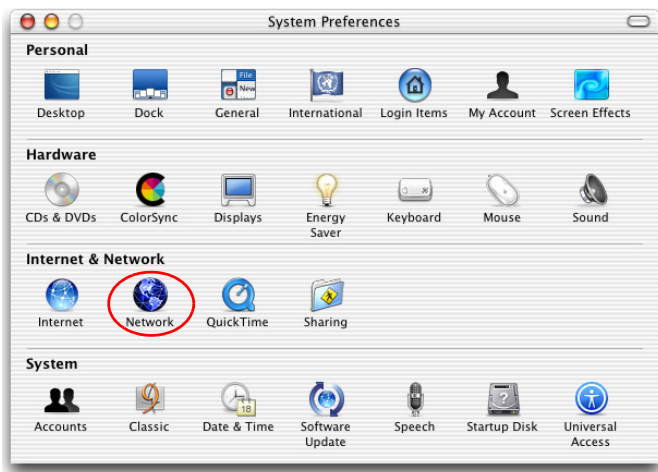
You may find that the instructions here do not exactly match your operating system. This is because these steps and screen shots were created using Mac OS 10.2. Mac OS 7.x and above are similar, but may not be identical to Mac OS 10.2.

Follow these instructions:

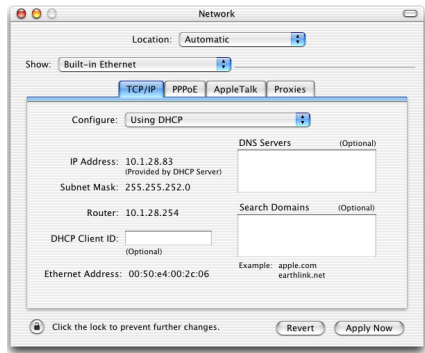
1. Pull down the **Apple Menu** . Click **System Preferences**.



2. Double-click the **Network** icon in the Systems Preferences window.



3. If **Using DHCP Server** is already selected in the Configure field, your computer is already configured for DHCP. If not, select this option.



4. Your new settings are shown in the TCP/IP tab. Verify that your IP Address is now **192.168.2.xxx**, your Subnet Mask is **255.255.255.0** and your Default Gateway is **192.168.2.1**. These values confirm that your Barricade is functioning.
5. Close the Network window.

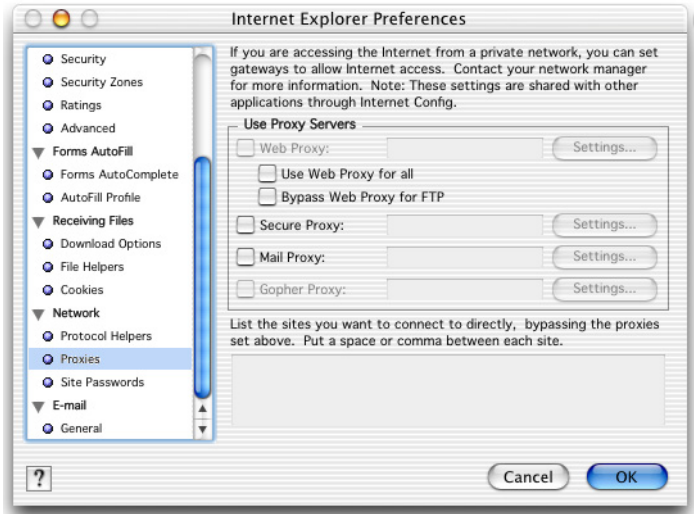
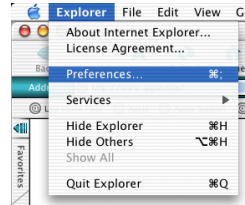
Now your computer is configured to connect to the Barricade.

Disable HTTP Proxy

You need to verify that the “HTTP Proxy” feature of your web browser is disabled. This is so that your browser can view the Barricade’s HTML configuration pages. The following steps are for Internet Explorer.

Internet Explorer

1. Open Internet Explorer and click the **Stop** button. Click **Explorer/Preferences**.
2. In the Internet Explorer Preferences window, under Network, select **Proxies**.
3. Uncheck all check boxes and click **OK**.



CHAPTER 4

CONFIGURING THE BARRICADE

After you have configured TCP/IP on a client computer, use a web browser to configure the Barricade. The Barricade can be configured by any Java-supported browser such as Internet Explorer 5.5 or above. Using the web management interface, you can configure the Barricade and view statistics to monitor network activity.

To access the Barricade's management interface, enter the IP address of the Barricade in your web browser:

<http://192.168.2.1>

(The Barricade automatically switches to Port 80 for management access.)

Navigating the Web Browser Interface

The Barricade's management interface consists of a Setup Wizard, a Home Network Settings section, a Security section and an Advanced Settings section.

Setup Wizard: Use the Setup Wizard for quick and easy configuration of your Internet connection and basic LAN settings. Go to "Setup Wizard" on page 4-5.

Home Network Settings: Use the Home Network Settings section to configure your LAN, WAN and wireless settings. Go to "Home Network Settings" on page 4-13.

Security: In this section, you can easily configure your wireless security settings. Go to "Security" on page 4-27.

Advanced Settings: Advanced Settings supports more advanced functions like NAT, system maintenance, SNMP and UPnP. Go to "Advanced Settings" on page 4-51.

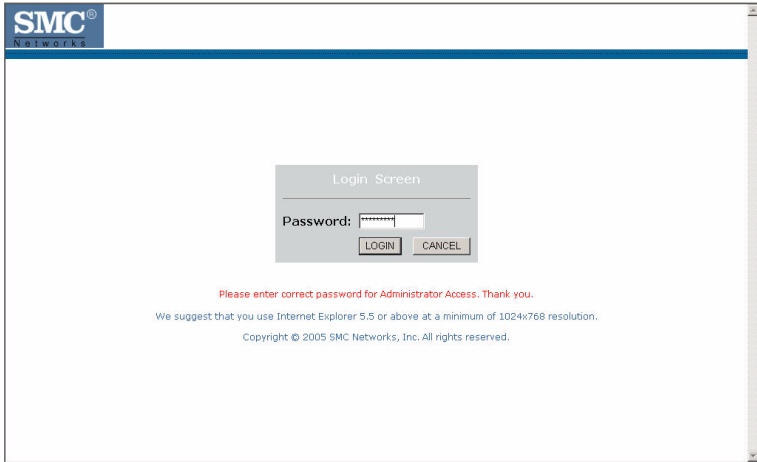
Making Configuration Changes

Configurable parameters have a dialog box or a drop-down list. Once a configuration change has been made on a page, be sure to click the **Apply** or **Save Settings** or **NEXT** button at the bottom of the page to enable the new setting.

Note: To ensure proper screen refresh after a command entry, be sure that Internet Explorer 5.5 is configured as follows: Under the menu Tools/Internet Options.../General/Temporary Internet Files/Settings..., the setting for **Check for newer versions of stored pages** should be **Every visit to the page**.

Login Screen

The Login screen automatically appears first.



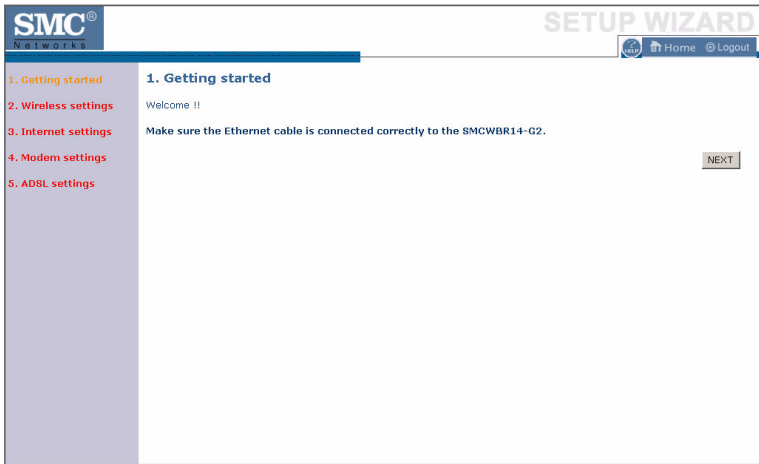
Enter the default password “smcadmin” and then click **LOGIN**.

Note: Your password is case sensitive.

Setup Wizard

Getting Started

The Setup Wizard automatically appears by clicking on the **Setup Wizard** button of the left-hand menu. The first item in the Setup Wizard is Getting Started.



Simply click **NEXT** to proceed to the following screen and configure your Wireless Settings.

Wireless Settings

Enter your wireless network settings on this page. You must specify a common radio channel and SSID (Service Set ID) to be used by the Barricade and all of its wireless clients. Be sure you configure all of its clients to the same value. For security purposes, you should change the default SSID immediately.

SMC®
Networks

1. Getting started

2. Wireless settings

3. Internet settings

4. Modem settings

5. ADSL settings

SETUP WIZARD

Home Logout

2. Wireless settings

This page allows you to enter the Wireless Network Name(SSID) and the Channel number.

Wireless Network Name(SSID)

SMC

Broadcast Wireless Network Name

☒ ENABLE ☐ DISABLE

Wireless Mode

11 b/g Mixed mode

Wi-Fi Channel number

6

Extend Range

☐ ENABLE ☒ DISABLE

BACK

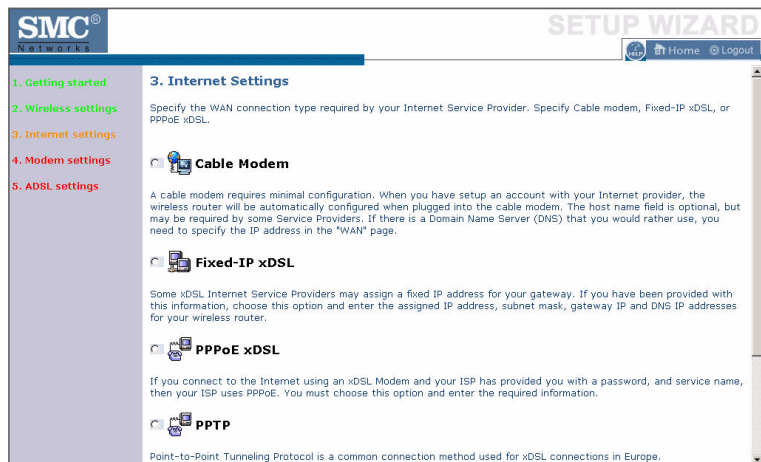
NEXT

Parameter	Description
Wireless Network Name (SSID)	The Service Set ID (SSID) is the name of your wireless network. The SSID must be the same on the Barricade and all of its wireless clients. (Default: SMC)
Broadcast Wireless Network Name	Enable or disable the broadcasting of the SSID. If you disable broadcast of the SSID, only devices that have the correct SSID can connect. This nullifies the wireless network “discovery” feature of some products such as Windows XP. (Default: Enable)
Wireless Mode	This device supports the following modes: 11g only, 11b only, and 11b/g mixed mode. (Default: 11b/g Mixed mode)

Parameter	Description
Wi-Fi Channel Number	The radio channel used by the Barricade and its clients to communicate with each other. This channel must be the same on the Barricade and all of its wireless clients. The Barricade will automatically assign itself a radio channel, or you may select one manually. (Default channel: 6)
Extend Range	Increases the range of the Barricade. (Default: Disable)

Internet Settings

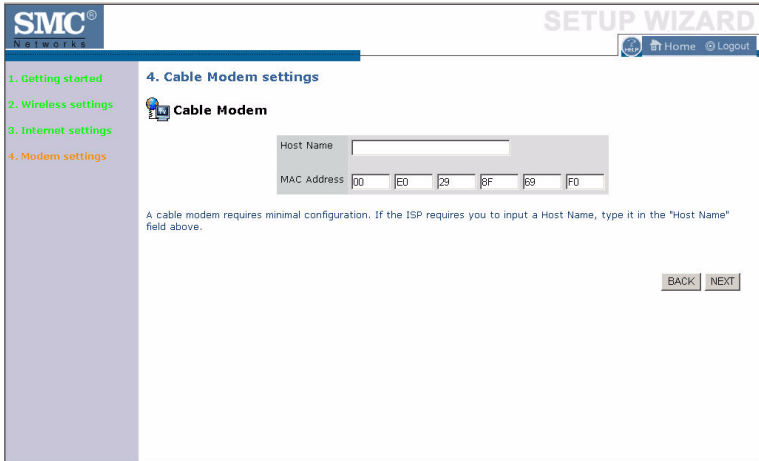
Specify the WAN connection type required by your Internet Service Provider. Specify Cable modem, Fixed-IP xDSL, PPPoE xDSL or PPTP.



Select your connection type to proceed. Click **BACK** to go back and change your settings.

Cable Modem Settings

If the ISP requires you to input a Host Name, type it in the Host Name field. The MAC Address field will be filled automatically.

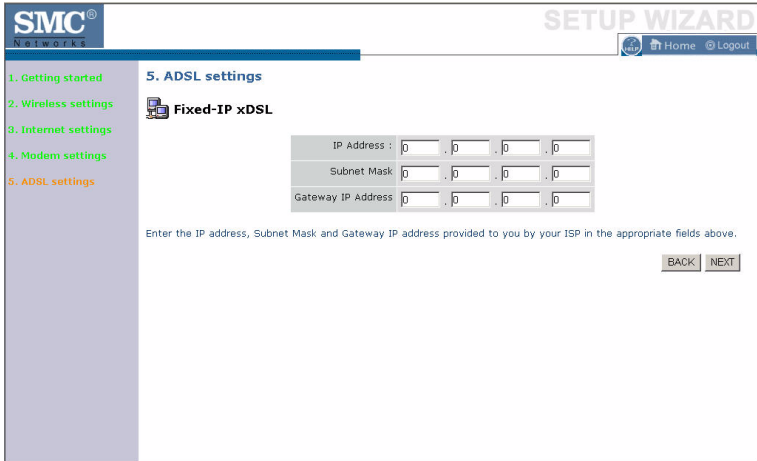


The screenshot shows the 'Cable Modem settings' page of the SMC Networks Setup Wizard. On the left is a vertical sidebar with four steps: '1. Getting started', '2. Wireless settings', '3. Internet settings', and '4. Modem settings' (which is highlighted in orange). The main content area is titled '4. Cable Modem settings' and features a 'Cable Modem' icon. It contains two input fields: 'Host Name' (a single text box) and 'MAC Address' (a segmented box with the values 00, E0, 29, BF, 69, F0). Below these fields is a note: 'A cable modem requires minimal configuration. If the ISP requires you to input a Host Name, type it in the "Host Name" field above.' At the bottom right are 'BACK' and 'NEXT' buttons.

Click **NEXT** to proceed, or **BACK** to change your settings.

ADSL Settings - Fixed-IP xDSL

Enter the IP address, Subnet Mask, and Gateway IP address provided to you by your ISP in the appropriate fields below.



The screenshot shows the SMC Networks Setup Wizard interface. On the left is a vertical navigation menu with five items: '1. Getting started', '2. Wireless settings', '3. Internet settings', '4. Modem settings', and '5. ADSL settings' (which is highlighted in orange). The main content area is titled '5. ADSL settings' and contains a sub-header 'Fixed-IP xDSL' with a computer icon. Below this are three input fields: 'IP Address', 'Subnet Mask', and 'Gateway IP Address'. Each field is a horizontal box divided into four segments, each containing a '0'. Below these fields is a text instruction: 'Enter the IP address, Subnet Mask and Gateway IP address provided to you by your ISP in the appropriate fields above.' At the bottom right of the main area are two buttons: 'BACK' and 'NEXT'.

IP Address :	0	0	0	0
Subnet Mask	0	0	0	0
Gateway IP Address	0	0	0	0

Enter the IP address, Subnet Mask and Gateway IP address provided to you by your ISP in the appropriate fields above.

[BACK](#) [NEXT](#)

Click **NEXT** to proceed, or **BACK** to change your settings.

ADSL Settings - PPPoE

Enter the User Name and Password required by your ISP in the appropriate fields. If your ISP has provided you with a Service Name enter it in the Service Name field, otherwise, leave it blank. Leave the Maximum Transmission Unit (MTU) at the default value (1492) unless you have a particular reason to change it. Enter the maximum idle time for the Internet connection. After this time has been exceeded the connection will be terminated. Check **Keep session** to keep the session alive. Check the **Auto-connect** check box to automatically re-establish the connection as soon as you attempt to access the Internet again. Check the **Manual-connect** check box to manually re-establish the connection.

SMC Networks SETUP WIZARD

[Home](#) [Logout](#)

5. ADSL settings

PPPoE

Use PPPoE Authentication

User Name :

Password :

Please retype your password :

Service Name :

MTU : (576<=MTU Value<=1492)

Maximum Idle Time : (min)

☐ Keep session
☒ Auto-connect
☐ Manual-connect

Enter the User Name and Password required by your ISP in the appropriate fields. If your ISP has provided you with a Service Name enter it in the "Service Name" field, otherwise, leave it blank.

[BACK](#) [NEXT](#)

Click **NEXT** to proceed, or **BACK** to change your settings.

Note: Clicking **NEXT** will not automatically connect the Barricade to the Internet. The Barricade will only connect when you explicitly request it to, for example, by launching your web browser.

ADSL Settings - PPTP

Enter the User ID and Password required by your ISP in the appropriate fields. Enter the Idle Time Out for the Internet connection. This is the period of time for which the connection to the Internet is maintained during inactivity. The default setting is 10 minutes. If your ISP charges you by the minute, you should change the Idle Time Out to one minute. After the Idle Time Out has expired, set the action you wish the Barricade to take. You can tell the device to connect manually or automatically as soon as you try to access the Internet again, or to keep the session alive.

SMC Networks **SETUP WIZARD**

1. Getting started
2. Wireless settings
3. Internet settings
4. Modem settings
5. ADSL settings

5. ADSL settings

PPTP

IP Address :	0 . 0 . 0 . 0
Subnet Mask :	0 . 0 . 0 . 0
Default Gateway :	0 . 0 . 0 . 0
User ID:	
Password:	
PPTP Gateway:	0 . 0 . 0 . 0
Idle Time Out:	10 (min)
	☐ Manual-connect
	☒ Auto-connect
	☐ Keep session

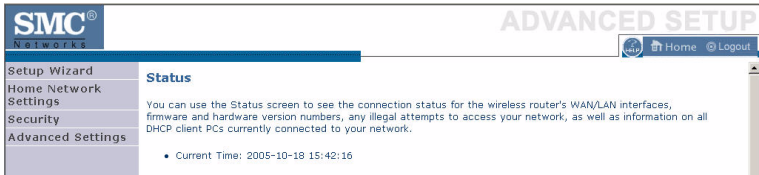
Point-to-Point Tunneling Protocol is a common connection method used for xDSL connections in Europe.

BACK **NEXT**

Click **NEXT** to proceed, or **BACK** to change your settings.

Home Network Settings

Clicking the **Home** icon at any time, returns you to this home page. The Main Menu links are used to navigate to other menus that display configuration parameters and statistics.



The Barricade's **Home Network Settings** interface contains four main menu items as described in the following table.

Menu	Description
Status	Provides WAN connection type and status, firmware and hardware version numbers, system IP settings, as well as DHCP, NAT, and firewall information. Displays the number of attached clients, the firmware versions, the physical MAC address for each media interface, and the hardware version and serial number. Shows the security and DHCP client log.
LAN Settings	Sets the TCP/IP configuration for the Barricade LAN interface and DHCP clients.
WAN Settings	Specifies the Internet connection settings.
Wireless	Configures the radio frequency, SSID, and security for wireless communications.

Status

The Status screen displays WAN/LAN connection status, firmware and hardware version numbers, as well as information on DHCP clients connected to your network. You can also view the Security Log.

SMC®
Networks

ADVANCED S

Setup Wizard

Home Network Settings

Security

Advanced Settings

Status

You can use the Status screen to see the connection status for the wireless router's WAN/LAN interfaces, firmware and hardware version numbers, any illegal attempts to access your network, as well as information on all DHCP client PCs currently connected to your network.

- Current Time: 2005-10-18 19:28:22

INTERNET

Link Status

10.1.20.47

255.255.252.0

10.1.20.254

10.1.3.5

10.2.3.4

Release

Home Network (LAN)

IP Address

Subnet Mask

DHCP Server

Firewall

UPnP

Wireless

INFORMATION

Numbers of DHCP Clients

Runtime Code Version

Boot Code Version

LAN MAC Address

Wireless MAC Address

WAN MAC Address

Setup Wizard	Boot Code Version	V0.03
Home Network Settings	LAN MAC Address	00-12-BF-10-C7-EC
	Wireless MAC Address	00-12-BF-10-C7-EE
Security	WAN MAC Address	00-12-BF-10-C7-ED
Advanced Settings	Hardware Version	01
	Serial Num	J539000065

DHCP Client Log
View information on LAN DHCP clients currently linked to the wireless router.

ip=192.168.2.100	mac=00-30-F1-E9-DA-C6	name=alber_lai-NB
ip=192.168.2.101	mac=00-00-55-66-66-19	name=teat-dkl
ip=192.168.2.102	mac=00-12-BF-01-75-26	name=Knoppix
ip=192.168.2.103	mac=00-E0-29-8F-69-F0	name=josie_hsueh

Security Log
View any attempts that have been made to gain access to your network.

2005-10-18	19:28:22	DHCP Client: Receive Ack from 10.2.3.4, 'Lease time'=259200
2005-10-18	19:28:22	DHCP Client: Domain name = action.com.tw
2005-10-18	19:28:22	DHCP Client: Send Request, Request IP=10.1.20.47
2005-10-18	19:28:22	**IP Spoofing** 192.168.2.1, 1900-> 239.255.255.250, 1900
2005-10-18	19:28:21	DHCP Client: Receive Ack from 10.2.3.4, 'Lease time'=259200
2005-10-18	19:28:21	DHCP Client: Domain name = action.com.tw
2005-10-18	19:28:21	DHCP Client: Send Request, Request IP=10.1.20.47
2005-10-18	19:28:16	DHCP Client: Send Request, Request IP=10.1.20.47
2005-10-18	19:28:16	DHCP Client: Could not find DHCP daemon to get information

Save Clear Refresh

The security file, SMCWBR14G2_logfile.log, may be saved by clicking **Save** and choosing a location.

The following items are included on the Status screen:

Parameter	Description
Current Time	Displays the current time.
INTERNET	Displays WAN connection status.
Renew	Click on this button to establish a connection to the WAN.
Home Network (LAN)	Displays system IP settings, as well as DHCP Server, Firewall, UPnP and Wireless status.
INFORMATION	Displays the number of attached clients, the firmware versions, the physical MAC address for each media interface and for the Barricade, as well as the hardware version and serial number.
DHCP Client Log	Displays information on DHCP clients on your network.
Security Log	Displays illegal attempts to access your network.
Save	Click on this button to save the security log file.
Clear	Click on this button to delete the access log.
Refresh	Click on this button to refresh the screen.

LAN Settings

You can enable DHCP to dynamically allocate IP addresses to your client PCs, or configure filtering functions based on specific clients or protocols. The Barricade must have an IP address for the local network.

The screenshot shows the SMC Networks 'HOME NETWORK SETTINGS' interface. On the left is a navigation menu with 'Setup Wizard', 'Home Network Settings' (selected), 'Status', 'LAN Settings', 'WAN Settings', 'Wireless', 'Security', and 'Advanced Settings'. The main content area is titled 'LAN Settings' and includes a descriptive paragraph about DHCP. It contains three sections: 'Wireless Router IP Address' with input fields for IP Address (192.168.2.1) and IP Subnet Mask (255.255.255.0); 'DHCP Server' with a radio button for 'Enabled' (selected) and a text field for 'DHCP Server ID'; and 'DHCP IP Address Pool' with input fields for 'Start IP' (192.168.2.100), 'End IP' (192.168.2.199), 'Domain Name', and a dropdown for 'Lease Time' set to 'One Day'.

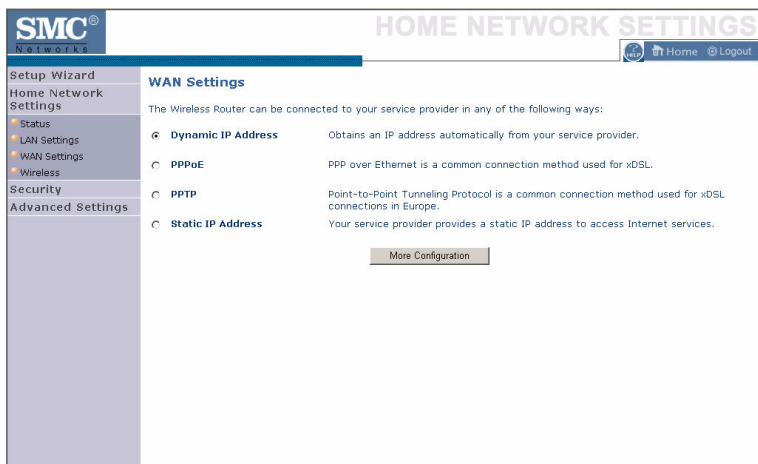
The LAN Settings parameters are listed below.

Parameter	Description
Wireless Router IP Address	
IP Address	The IP address of the Barricade.
IP Subnet Mask	The IP subnet mask.
DHCP Server	
DHCP Server	DHCP allows individual computers to obtain the TCP/IP configuration at startup from a centralized DHCP server. To dynamically assign an IP address to a client PC, enable the DHCP (Dynamic Host Configuration Protocol) function.
DHCP Server ID	Enter the DHCP Server ID here.

Parameter	Description
DHCP IP Address Pool	The DHCP IP Address Pool is the range of IP addresses set aside for dynamic assignment to the computers on your network.
Start IP	This field indicates the first of the contiguous IP addresses in the IP address pool.
End IP	This field indicates the last of the contiguous IP addresses in the IP address pool.
Domain Name	The domain name is the name you assign to your network.
Lease Time	The length of time the DHCP server will reserve the IP address for each computer. Setting lease times for shorter intervals such as one day or one hour frees IP addresses after the specified period of time. This also means that a particular computer's IP address may change over time. If you have set any advanced features such as DMZ, this is dependent on the IP address. For this reason, you will not want the IP address to change.

WAN Settings

Specify the WAN connection type required by your Internet Service Provider. Specify **Dynamic IP Address**, **PPPoE**, **PPTP** or **Static IP Address**.



Select the connection type and click **More Configuration**.

Dynamic IP

The Host name is optional, but may be required by some Service Provider's. The default MAC address is set to the WAN's physical interface on the Barricade.

If required by your Service Provider, you can use the **Clone MAC Address** button to copy the MAC address of the Network Interface Card (NIC) installed in your PC to replace the WAN MAC address.

If necessary, you can use the **Renew** button on the Status page to renew the WAN IP address.

The screenshot shows the SMC Networks Home Network Settings interface. The left sidebar contains a navigation menu with the following items: Setup Wizard, Home Network Settings (selected), Status, LAN Settings, WAN Settings, Wireless, Security, and Advanced Settings. The main content area is titled "Dynamic IP" and contains the following text:

The Host name is optional, but may be required by some Service Provider's. The default MAC address is set to the WAN's physical interface on the Wireless Router.

If required by your Service Provider, you can use the "Clone MAC Address" button to copy the MAC address of the Network Interface Card installed in your PC to replace the WAN MAC address.

If necessary, you can use the "Renew" button on the Status page to renew the WAN IP address.

The configuration fields are as follows:

- Host Name :
- MAC Address : - - - - -
- Clone MAC Address

At the bottom right of the form are two buttons: and .

Note: Make sure you record the MAC address that you clone, so that if you lose your settings you will be able to re-connect to the Internet.

Click **Save Settings** to proceed, or **Cancel** to change your settings.

PPPoE

Enter the PPPoE user name and password assigned by your Service Provider. The Service Name is normally optional, but may be required by some service providers. Enter a Maximum Idle Time (in minutes) to define a maximum period of time for which the Internet connection is maintained during inactivity. If the connection is inactive for longer than the Maximum Idle Time, then it will be dropped. You can enable the **Auto-reconnect** option to automatically re-establish the connection as soon as you attempt to access the Internet again.

The screenshot shows the SMC Networks 'HOME NETWORK SETTINGS' interface. On the left is a navigation menu with options: Setup Wizard, Home Network Settings (selected), LAN Settings, WAN Settings, Wireless, Security, and Advanced Settings. The main content area is titled 'PPPoE' and contains the following text:

The WAN port is connected to an xDSL modem. Many service providers provide PPP over Ethernet (PPPoE) service. The Barricade supports Keep session, Auto connect and Manual connect features for PPPoE service.

To setup this connection type, enter the PPPoE user name and password assigned by your Service Provider. The Service Name is normally optional, but may be required by some service providers. Enter a maximum Idle Time (in minutes) to define a maximum period of time for which the Internet connection is maintained during inactivity. If the connection is inactive for longer than the Maximum Idle Time, then it will be dropped.

Keep session: If you enable this, the idle time setting is ignored. The connection will always be alive.

Auto Connect: When the connection is broken by the idle time, any Internet/WAN trigger will cause the router to re-establish the connection.

Manual Connect: Dial on demand is disabled in this mode. When the connection is broken by the idle time, you must press the Connect button to reconnect.

NOTE: If you are on a leased line or pay-per min. connection - please set your max idle time to 3 minutes. This will cause your internet connection to drop after 3 minutes of idle time so you won't be charged for extra online time from your ISP.

Below the text is a form titled 'Use PPPoE Authentication' with the following fields and options:

- User Name :
- Password :
- Please retype your password :
- Service Name :
- MTU : (576<=MTU Value<=1492)
- Maximum Idle Time : min
 - ☐ Keep session
 - ☒ Auto-connect
 - ☐ Manual-connect

Click **Save Settings** to proceed, or **Cancel** to change your settings.