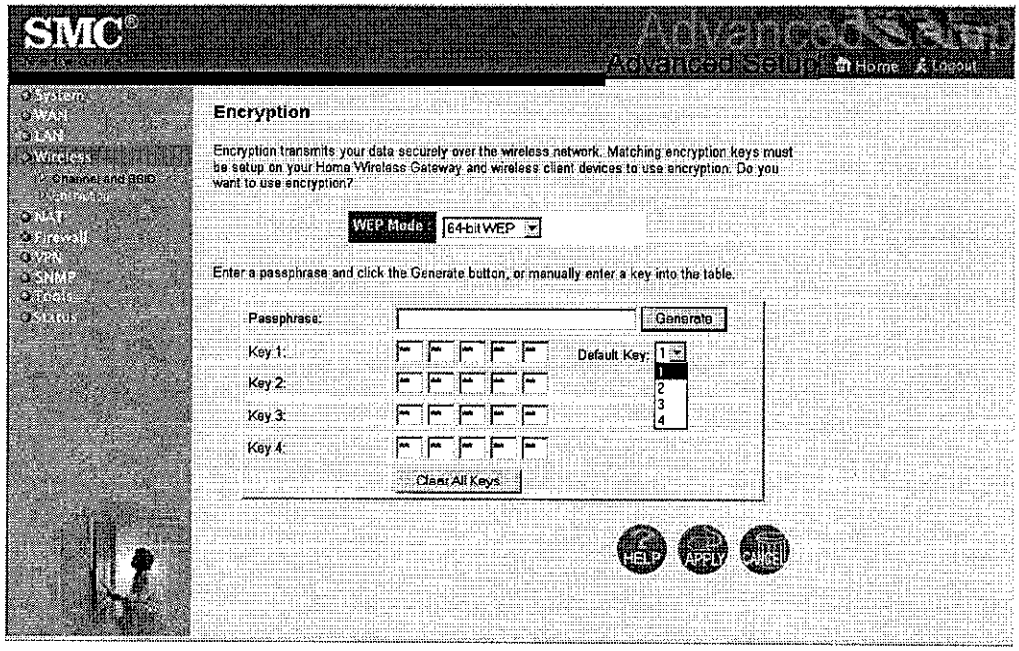
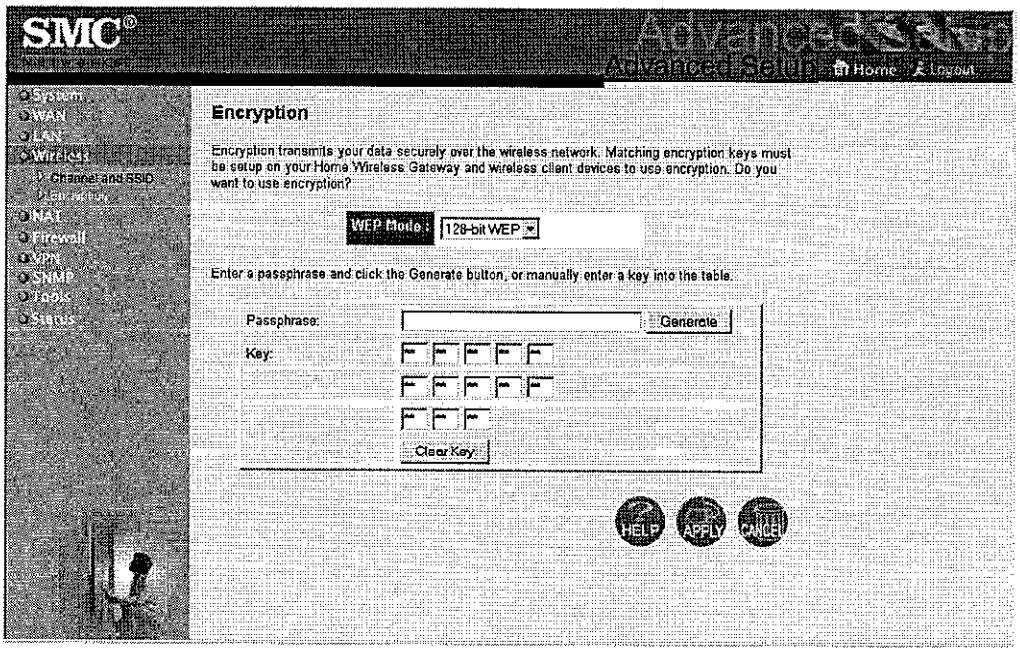
You can automatically generate encryption keys or you can manually enter the keys. For automatic 64-bit security, you enter a passphrase that is used to create four keys (as shown below). The automatic 128-bit security generates a single key by entering a passphrase.



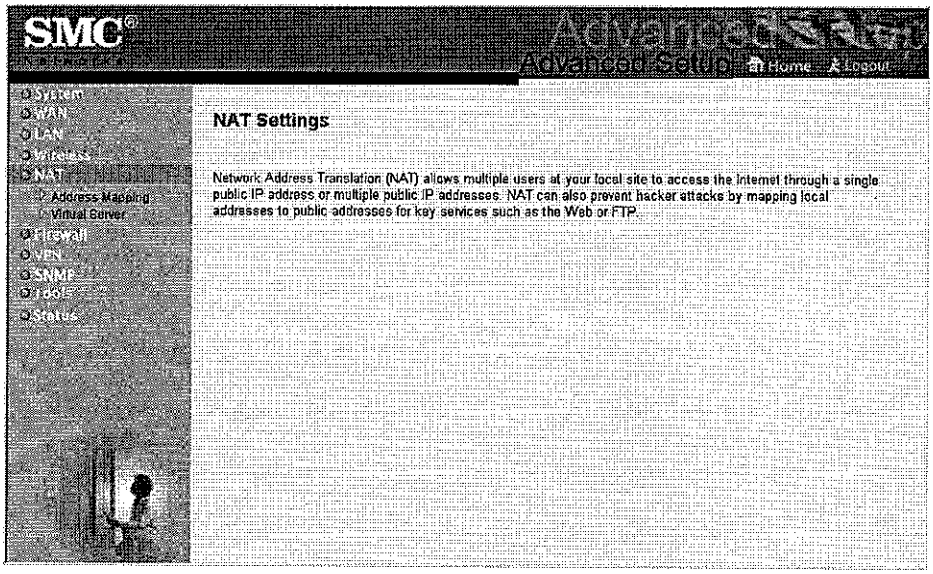


If you use encryption, configure the same keys used for the Barricade Plus on each of your wireless clients. Note that the Wired Equivalent Privacy (WEP) protects data transmitted between wireless nodes, but does not protect any transmissions over your wired network or over the Internet.

Configuring Client Services

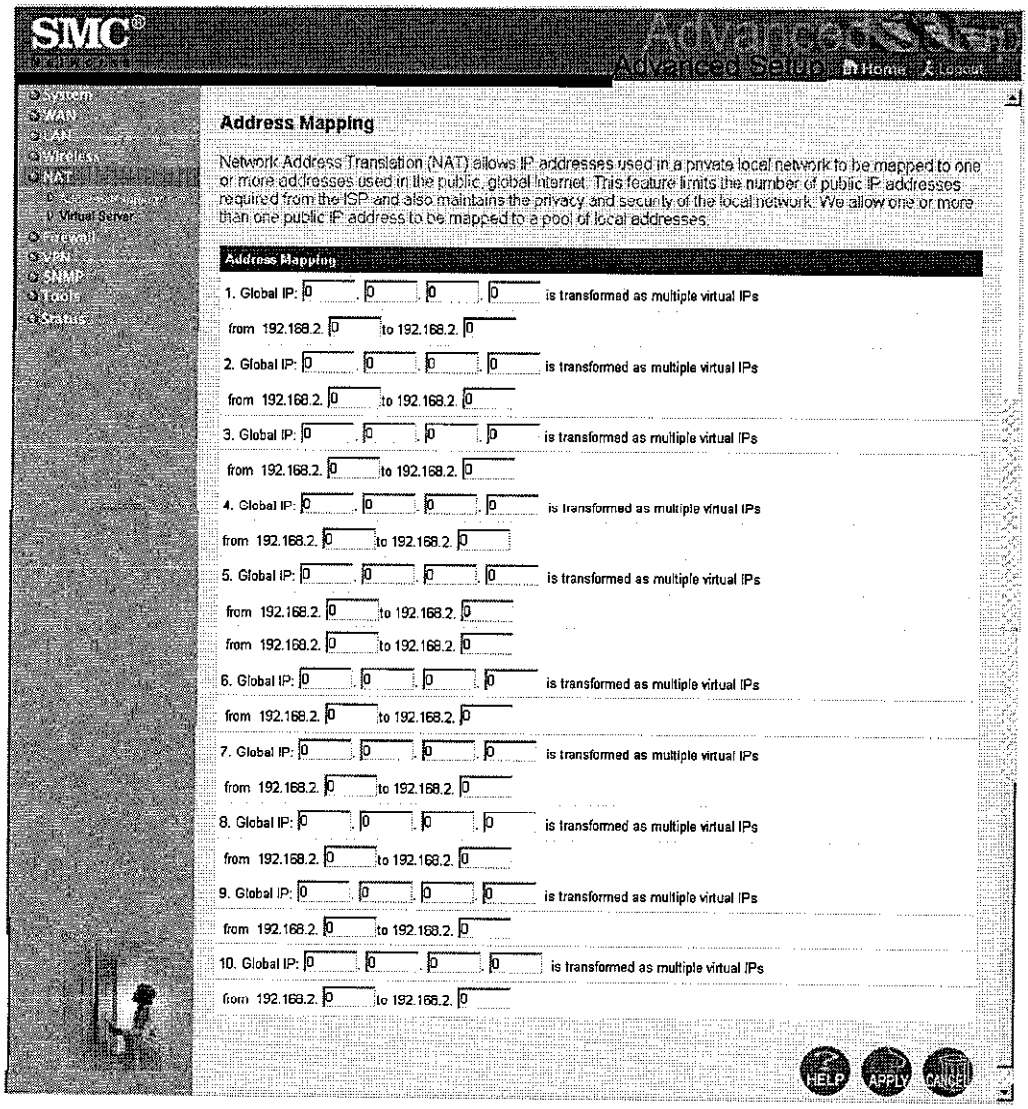
The Barricade Plus includes a broad range of client services, including firewall protection, one VPN tunnel, network address translation, virtual server, address mapping, DMZ, and restricted Internet access for specified clients. You can configure these functions by selecting specific items from the menu on the left of the screen.

NAT - Network Address Translation



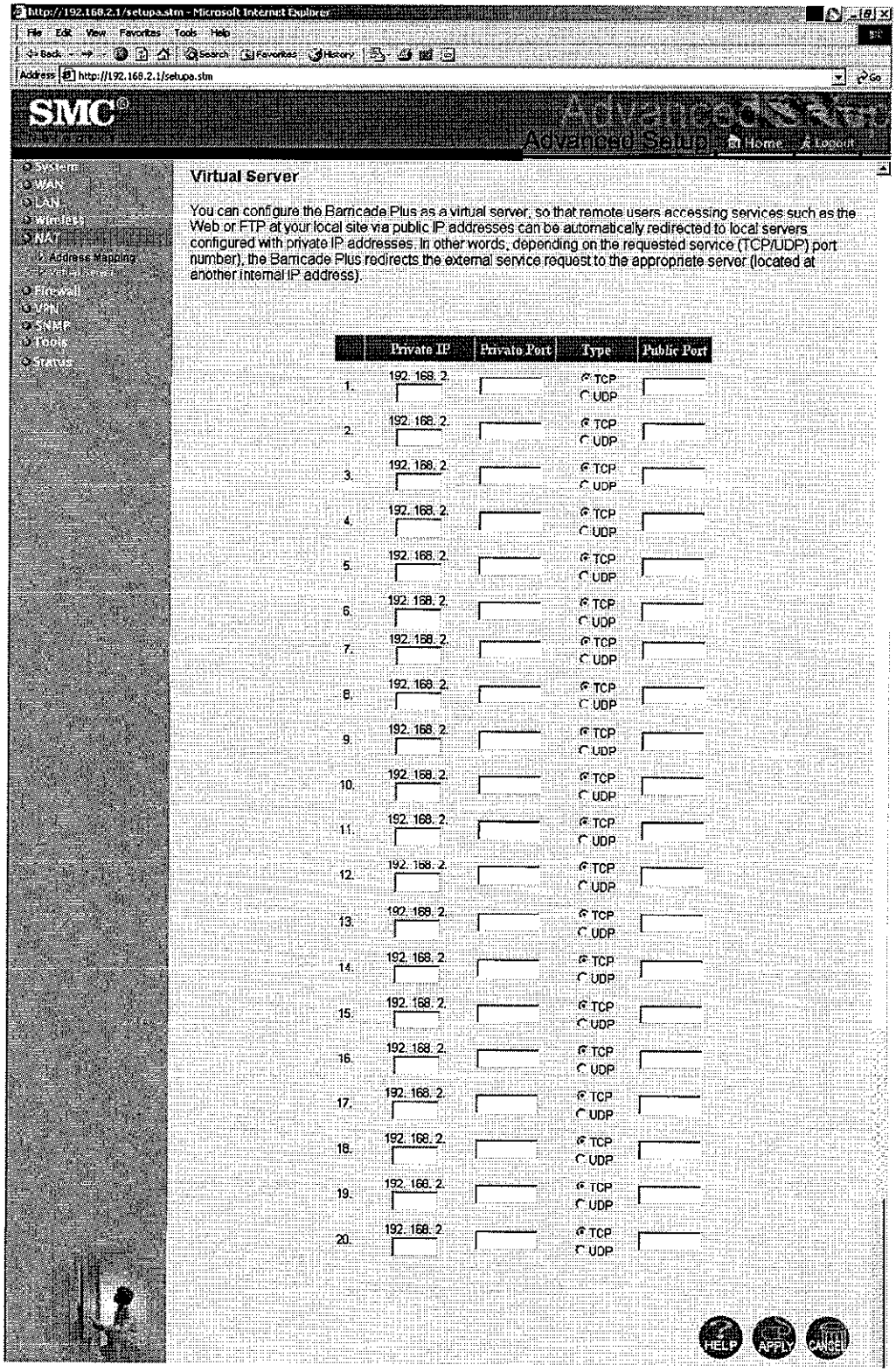
Network Address Translation (NAT) provides multiple Internet connections using single IP address. If you need multiple connections, use the following screen to specify the public IP addresses to be opened for your client users. NAT can also prevent hacker attacks by mapping local addresses to public addresses for key services such as the Web or FTP.

Address Mapping



Use the "Address Mapping" option to limit the number of public IP addresses required from the ISP and maintain the privacy and security of the local network.

Virtual Server



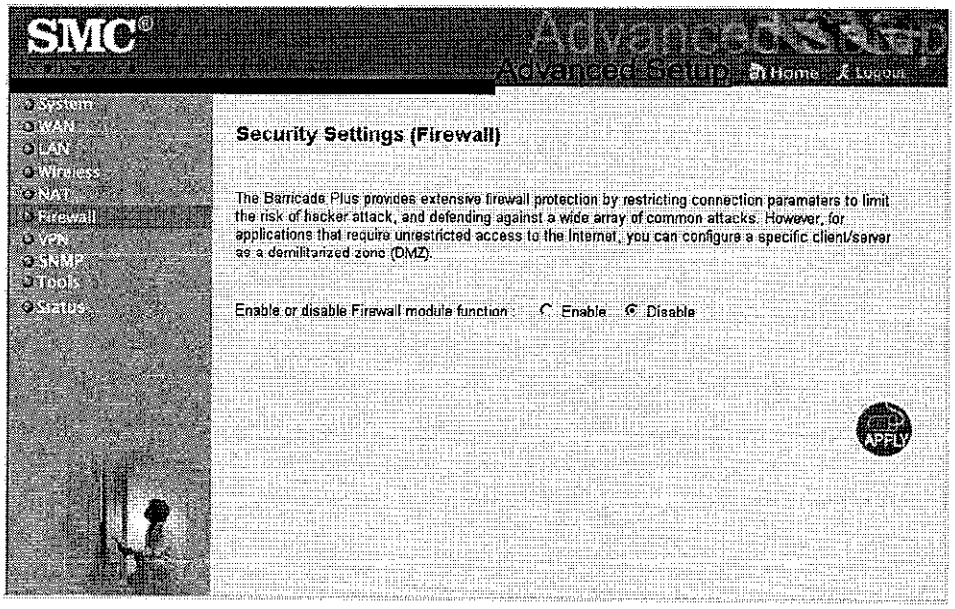
If you configure the Barricade Plus as a virtual server, remote users accessing services such as Web or FTP at your local site via public IP addresses can be automatically redirected to local servers configured with private IP addresses. In other words, depending on the requested service (TCP/UDP port number), the Barricade Plus redirects the external service request to the appropriate server (located at another internal IP address).

The WAN interface must have a fixed IP address to utilize this function. For example, if you set Type/Public Port to TCP/80 (HTTP or Web) and the Private IP/Port to 192.168.2.2/80, then all HTTP request from outside users will be transferred to 192.168.2.2. Therefore, by just entering the IP Address provided by the ISP, Internet users can access the service they need at the local address to which you redirect them.

Some of the more common TCP service ports include:

HTTP: 80, FTP: 21, Telnet: 23 and POP3: 110.

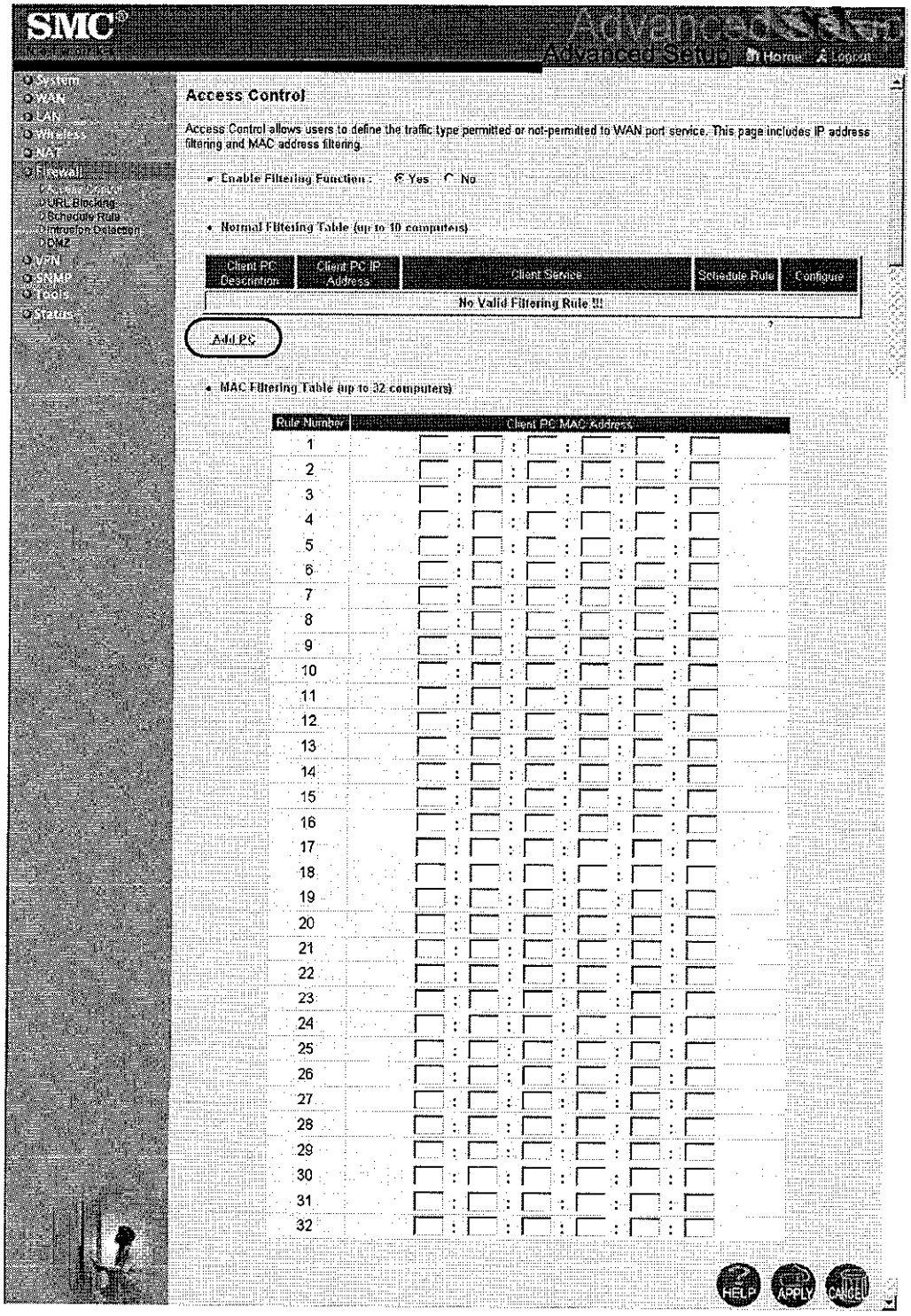
Firewall Protection



The Barricade Plus' firewall can provide the access control of connected client PCs, block common hacker attacks, including IP Spoofing, Land Attack, Ping of Death, IP with zero length, Smurf Attack, UDP port loopback, Snork Attack, TCP null scan, and TCP SYN flooding. The firewall does not significantly affect system performance, so we advise setting it enabled to protect your network users by selecting "Enable" on the screen.

Note: When you select the "Enable" radio button of the "Enable or disable Firewall module function" field, be sure to press the "APPLY" button.

Access Control

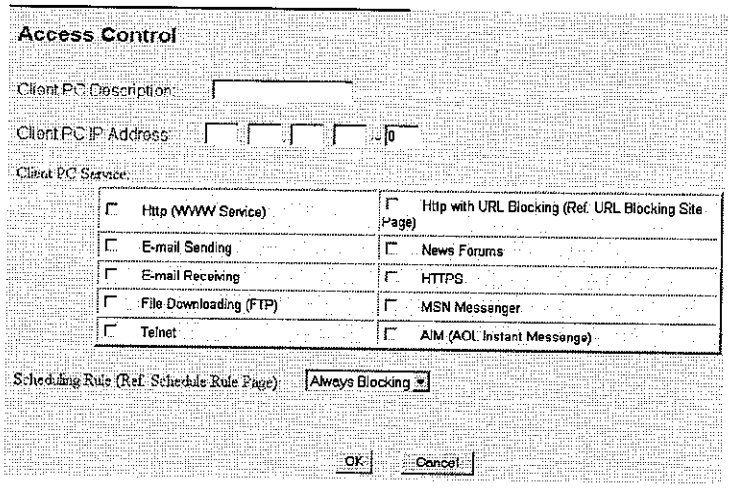


Using this option allows you to specify different privileges for the client PCs.

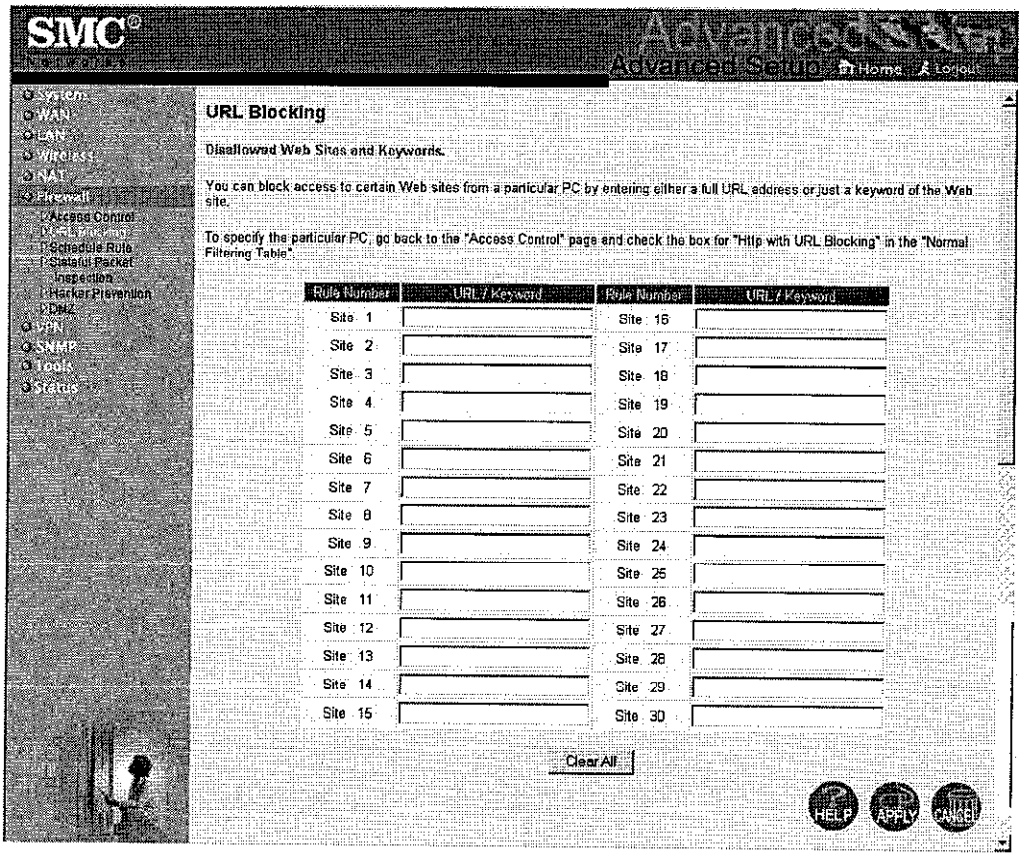
The following items are included in the "Access Control" screen:

Field	Description
Normal Filtering Table	Displays the IP address and filtering status of the connected client PC
MAC Filtering Table	Displays the MAC address of the client PC

Note: Click on "Add PC" and define the appropriate settings for client PC services (as shown in the following screen).



URL Blocking



Using the above screen to block access to the Web sites specified in the table.