

# Basic Setup of a Wireless Internet Connection using a Motorola SBG900 Wireless Cable Modem

Securing your wireless connection has never been more important as more and more personal information has moved from the filing cabinet on to the personal computer. It is essential that you protect your computer from being exploited by cyber-criminals. Securing your wireless access point is like placing a lock on your front door. It is necessary security to help prevent being a target of cyber-criminals.



**You will need a RJ-45 Ethernet cable in order to set up your wireless network.**

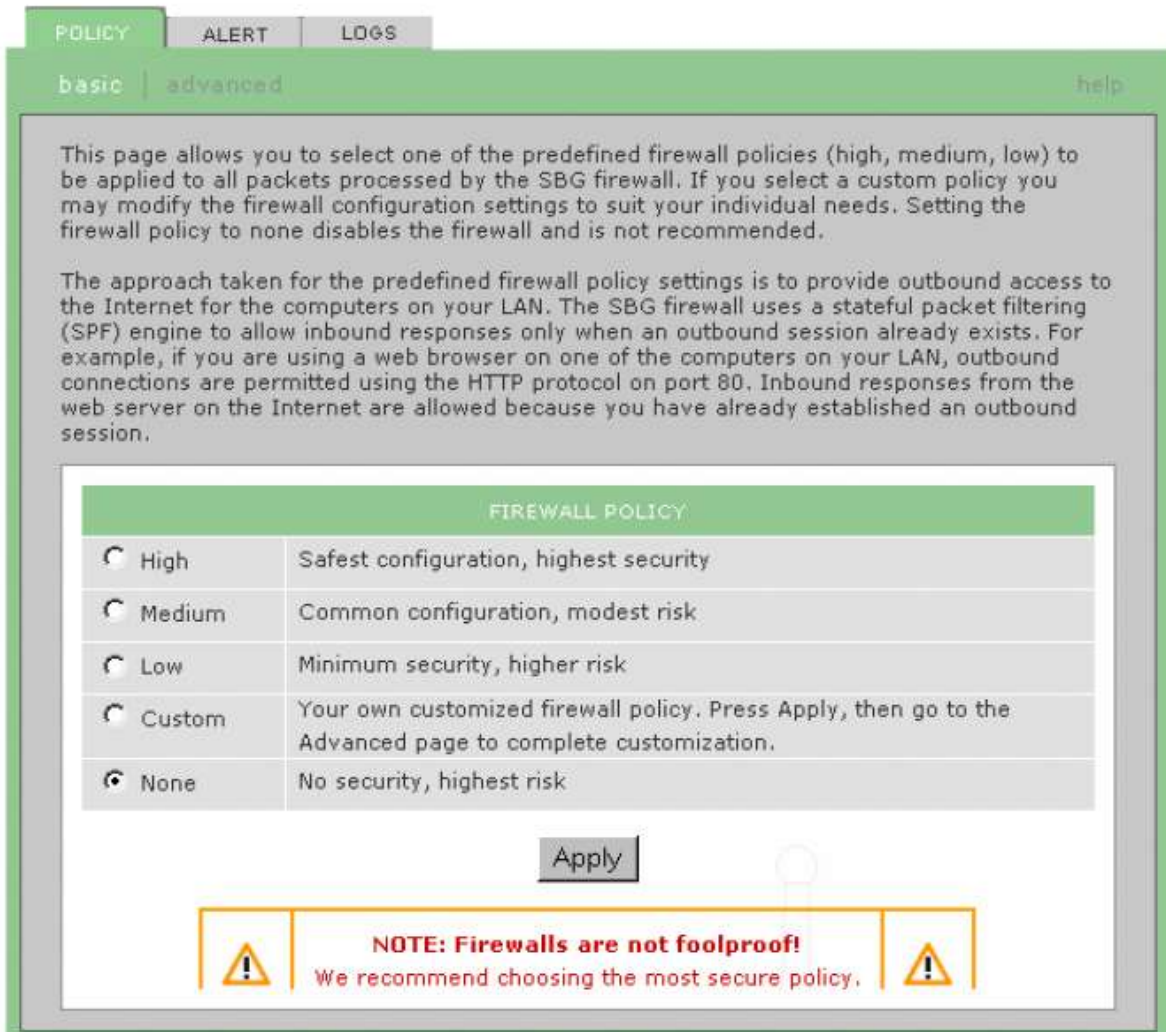
1. Connect your computer to the SBG900 SURFboard using an RJ-45 cable connected between the computer's LAN port and the SURFboard LAN port. Motorola does not recommend configuring the wireless interface while connected wirelessly.



2. Open your Web browser and navigate to "http://192.168.100.1" or "http://192.168.0.1" to bring you to the SBG900 SURFboard login screen. The default user name is "admin" and the default password is "motorola." Both fields are case-sensitive. Substitute your own password if you created one during the initial set up.
3. Click the "Wireless" button on the left hand side of the screen. Click the tab labeled "Security" to get to the wireless security basic setup screen.
4. Click the WPA radio button. There is an option for WEP, but WPA is far more secure. If you have an older device that does not support WPA, select WEP instead. The set up process is the same except for choosing the type of encryption to use.
5. Select AES WPA type encryption in the security mode section on the "Security" tab. Motorola recommends using AES over TKIP because TKIP can perform slowly. TKIP is available for legacy support, but nearly all devices that support WPA also support AES encryption.
6. Type a password or passphrase in the "PSK-Passphrase" field. The password or passphrase must be between 8-63 characters. Press "Save Changes" when complete. If

you chose WEP instead of WPA, type an 8-31 character password or passphrase in the "WEP-Passphrase" field. Click the "Generate WEP Keys" button. Click the "Enable 128-Bit" radio button and then click "Save Changes."

7. If you want to set up even greater security, it is recommended you set up a firewall on your network. (Note: Some firewall settings may affect gaming. Please reference your game console manual and the Motorola website for more information on setting up your wireless network to connect your Xbox or Playstation, for example.)
  - a) Click Firewall from the left side panel on the Setup Program.
  - b) Click the Policy tab and then select Basic



- c) Select the most secure firewall policy you can, Motorola recommends High.
- d) Click Apply to apply your new firewall settings. If asked to reboot the modem, you will need to login again to the Setup Program after the reboot.

**If you need additional assistance, please contact Technical Support at 1-877-733-0545 or Customer Service at 1-800-903-0508.**