Changing the Actiontec Wireless Settings

1. Open a Web browser like Internet Explorer or Netscape.

2. Enter http://192.168.1.1 in the Address field of the browser.

3. Enter the user name and password. If you didn't change the user name and password when you initially installed the Actiontec gateway, enter admin in the User Name field and password in the Password field.

4. Click Setup/Configuration.
5. Click **Wireless Setup** in the left navigation panel.

6. Confirm that **On** is selected for the **Wireless** field.
7. Enter a name for your home network in the **ESSID** field. You can enter any name, but all network adapters used on your home network must be configured with the same ESSID.
8. Do not change the entry in the **Channel** field.

9. Select **WEP** in the **Security** field. This defines the type of encryption that will be used to protect your network data.
10. Click **Next**.

11. Select **Shared** as the Authentication Type.
12. Select a **WEP Key number** (Key 1 - 4).
13. Select the level of encryption you feel you need to protect your network’s data. The lowest level of protection is provided with 64-bit encryption, and the highest level of protection is provided with 256-bit encryption.

- **Note:** Higher levels of encryption can affect the data transfer rate over your home network.
14. Enter a WEP encryption key in the **Key 1** field.

- If you are using 64-bit encryption, you must enter five pairs of hexadecimal characters. A hexadecimal number consists of alphanumeric characters from 0-9 or A-F. An example of a 64-bit encryption key would be 0E 49 A4 F8 52.
- Enter 13 pairs of hexadecimal characters for 128-bit encryption.
- Enter 29 pairs of hexadecimal characters for 256-bit encryption.
15. Click **Next**.

16. You can control the computers that are able to access your home network using MAC Address authentication. Only computers with MAC addresses you enter are allowed to access your home network. Select **Enable Access List**.
17. Select **Deny all clients**.
18. Enter the MAC Address of the first computer you want to allow to access your home network in the **Client MAC address** field. You are denying access to all computers except those you enter in this step.
If you don't know the MAC Address of the computers on your home network, you can use the command prompt in your Windows operating system to find it.

- **Windows XP**
- **Windows 2000**
- **Windows Me**
- **Windows 98**

19. Click **Add**. The MAC address you entered is added to the exception list.

20. Continue adding the MAC addresses of the computers you are allowing to access your home network.
21. Click **Next** when you have added all the MAC addresses.

22. To increase your network security, confirm that **Disabled** is selected in the **SSID Broadcast** field. This makes it more difficult for hackers to access your home network.
23. Select **Mixed** in the **802.11b/g** field to provide the flexibility of using either 802.11b or 802.11g wireless network adapters on your home network.
24. Click Next.

25. Click Save and Restart.

This completes Step 4.
Finding the MAC Address in Windows XP and Windows 2000

1. Click **Start** in the lower left taskbar.
2. Enter **Cmd** in the **Open** field of the Run window.

3. Enter **cd c:\** to ensure you are in the root directory of your hard drive.

4. Enter **ipconfig/all**
5. Write down the Physical Address. This is another name for the MAC address. It should be 12 characters separated by hyphens. You will enter this MAC address without the hyphens when you set up the MAC address filtering.
Finding the MAC Address in Windows 98 SE and Windows Me

1. Click **Start** in the lower left taskbar.
2. Click **Run**.
3. Enter **winipcfg** in the **Open** field and click **OK**.

4. From the IP Configuration dialog box, select the Ethernet adapter you are using to connect to the router with the Ethernet Cable.

5. Write down the Adapter Address. This is another name for the MAC address. It should be 12 characters separated by hyphens. You will enter this MAC address without the hyphens when you set up the MAC address filtering.