

## Qwest® Wireless Module: Actiontec® W1000

### Frequently Asked Questions and Answers



#### How do I install the Qwest® Wireless Module: Actiontec® W1000?

The Qwest Wireless Module: Actiontec W1000 uses plug-and-play technology with the Qwest® Standard Modem: Actiontec® M1000.

1. Unplug your modem.
2. Insert the Qwest Wireless Module: Actiontec W1000.
3. Plug your modem in.
4. The wireless network will turn on automatically.
5. The default ESSID (SSID) and WEP keys are located on the side of the modem.





### **How do I change channels?**

1. Enter "192.168.0.1" in the address bar of your Internet browser.
2. Select the **Wireless Setup** tab.
3. Select **Channel** from the options on the left column.
4. Enter the channel you wish to use and click **Apply**.

### **How do I connect a wireless adapter to a network device?**

To connect a device via a wireless adapter to the Qwest Standard Modem: Actiontec M1000 with the Qwest Wireless Module: Actiontec W1000, follow the connection instructions provided by your adapter manufacturer. In the adapter configuration, enter the modem default ESSID (SSID) and WEP key. The default ESSID (SSID) and WEP keys are located on the side of the modem.

### **How many wireless capable computers can access the wireless network at once?**

- The number of wireless computers allowed on the network is limited by the DHCP server IP addresses that can be allocated.
- We recommend connecting a maximum of ten computers (devices).
  - By default, the DHCP server can allocate up to 253 IP addresses.
  - The Qwest Standard Modem: Actiontec M1000 can accommodate up to 253 connections as a whole (wired and wireless, in any mix of the two connection types).

### **How do I enable or disable ESSID (SSID) broadcast?**

1. Enter "192.168.0.1" in the address bar of your Internet browser.
2. Select the **Wireless Setup** tab.
3. Select **ESSID Broadcast** from the options on the left.
4. From this screen, you can either enable or disable the wireless network broadcast.

### **What is the best placement for my modem and Qwest Wireless Module: Actiontec W1000?**

You will experience the best signal strength and quality if you place them in an elevated position, located centrally to the area of service. Choose a location with the fewest physical obstructions to the service area, to reduce possible environmental effects.

### **Do floors, walls and glass affect my wireless signal?**

The physical environment can have varying effects on modem signal strength and quality. The more dense the object (i.e., a concrete wall compared to a plaster wall), the greater the interference. Concrete or metal reinforced structures cause a higher degree of signal loss than wood, plaster or glass construction.



**Is the Apple® Airport wireless device compatible with my modem and Qwest Wireless Module: Actiontec W1000?**

Yes, the Apple Airport complies with the 802.11b standards. If using the WEP security feature, refer to your Apple Airport documentation for special instructions on how to enter the WEP key to ensure compatibility.

**What form of wireless security is provided with the DSL Modem?**

The Actiontec® Wireless-Ready DSL Gateway – Model M1000 supports the following wireless security features.

- 64-bit WEP
- 128-bit WEP
- 256-bit WEP
- WEP+802.1x
- WPA
- Wireless MAC Authentication

**How do I create a HEX based WEP key?**

Follow the instructions for activating your wireless and WEP features. Then use these specifications to create a HEX-based WEP key.

- 64 bit – Generated as 10 alphanumeric characters (0-9, a-f)  
(example: 843c29a562)
- 128 bit – Generated as 26 alphanumeric characters (0-9, a-f)  
(example: 3c29f2536bef3276d32e364a2c)
- 256 bit – Generated as 58 alphanumeric characters (0-9, a-f)  
(example: 538ca623f321ab1009de447a673ac  
7832def8943ca1185fd49098acef7)