

Qwest® Standard Modem: Actiontec® M1000

How to Set the Wireless Security WPA Key



Use this document if:

- You want to modify your modem wireless security WPA (Wi-Fi Protected Access) providing a medium level of wireless security.

This document assumes:

- You are using the Qwest® Standard Modem: Actiontec® M1000
- Your modem is using a QA02 firmware version. If you are unsure which firmware version you have, see the “Which Firmware Version Do I Have?” section later in this document.
- Your modem is connected directly to your computer.
- You have installed the Qwest® Wireless Module: Actiontec W1000 on the modem.
- You have installed and configured an appropriate wireless card and driver to support WPA, on the computer you will be using for a wireless connection with your modem.
- You will ensure the keys you select match on your computer(s) and modem. You can select between WPA and WPA2.

Which Firmware Version Do I Have?

1. To determine which modem firmware your modem is using, enter 192.168.0.1 in your web browser and press **Enter**.
2. When the Qwest Modem Configuration Actiontec M1000 page appears, click **Modem Status**. The following page will appear. Look for the "Firmware Version" toward the middle of the screen.



Configure a WPA (Wired Equivalent Privacy) Key:

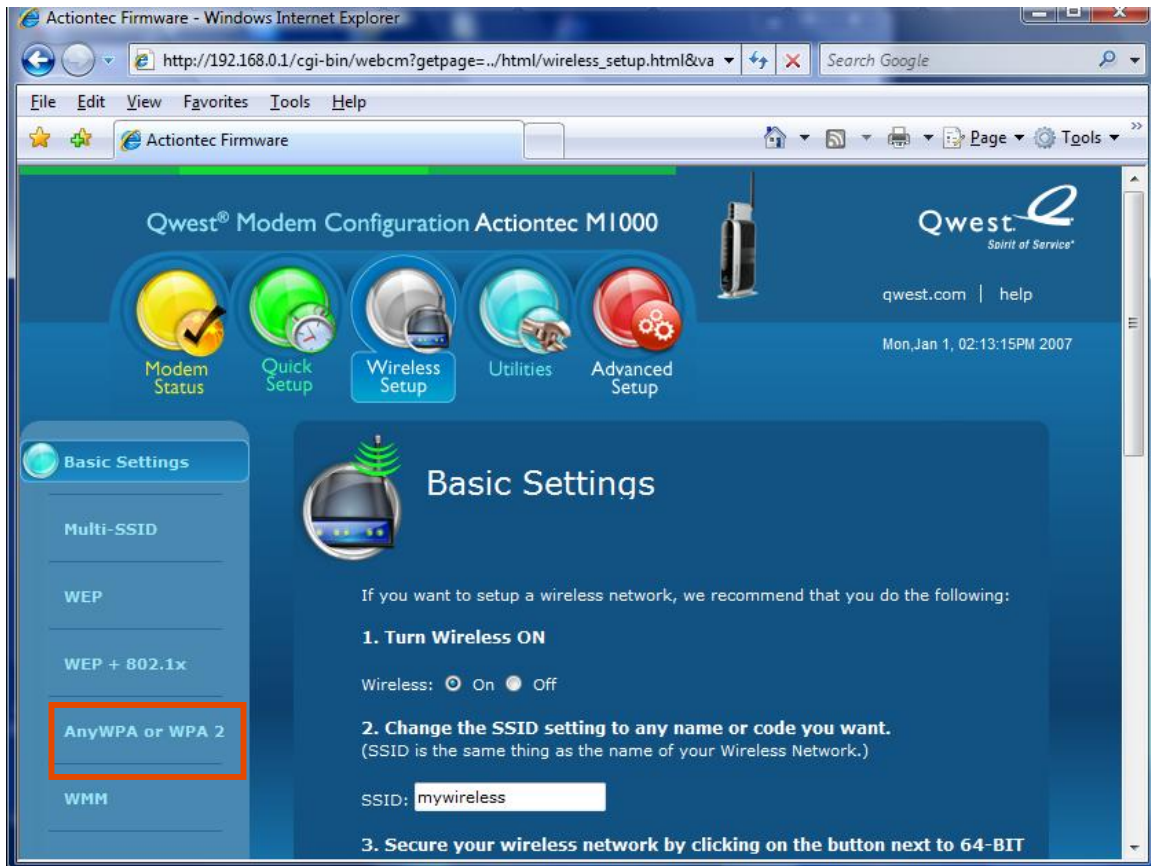
The Qwest Standard Modem: Actiontec M1000 can be configured for WPA (Wi-Fi Protected Access). Follow the steps below to configure a unique WPA key providing security for your Wi-Fi network.

Ensure all devices to be connected via wireless do support WPA before continuing. Refer to your wireless device manufacturer for WPA support information.

1. Enter 192.168.0.1 in your web browser. The following page will appear. Select **Wireless Setup**.



2. Select **Any WPA or WPA 2** in the left hand column.



3. Select the desired SSID in section 1 and the WPA type in section 2.
4. Insert an alphanumeric (numbers and/or letters) password in the Pre-Shared Key (PSK) for Home Network box of section 3.
5. Select **Apply**.

NOTE: **Enterprise Network Options** configuration is not required for basic WPA support.

Wireless Setup - WPA or WPA 2 - Windows Internet Explorer

http://192.168.0.1/cgi-bin/webcm?getpage=../html/wireless_setup_adv_wpa

File Edit View Favorites Tools Help

Wireless Setup - WPA or WPA 2

Basic Settings

Multi-SSID

WEP

WEP + 802.1x

AnyWPA or WPA 2

WMM

WPS

SSID Broadcast

Wireless MAC Authentication

802.11b/g Mode

Channel

CONNECTION STATUS:

Qwest DSL: NOT CONNECTED 0 / 0 KBPS

ISP Status:

AnyWPA or WPA 2

Secure your wireless traffic as it transmits through the air. These settings allow you to enable a pre-shared key for a home network or more advanced security for an enterprise network.

1. Select SSID from the pull down menu.
SSID: mywireless
2. Select AnyWPA or WPA2. Auto WPA or WPA2
3. Enter your Network Options in the fields below.

Home Network Options

Pre-Shared Key (PSK) for Home Network: mywppassword

NOTE: To create a Pre-Shared Key, enter at least eight (8) alphanumeric characters in the text box above. Make sure that all of your wireless-enabled devices support WPA and know the Pre-Shared Key (PSK) to join the network.

Enterprise Network Options

Group Key Interval: 3600

802.1x

Server IP Address:

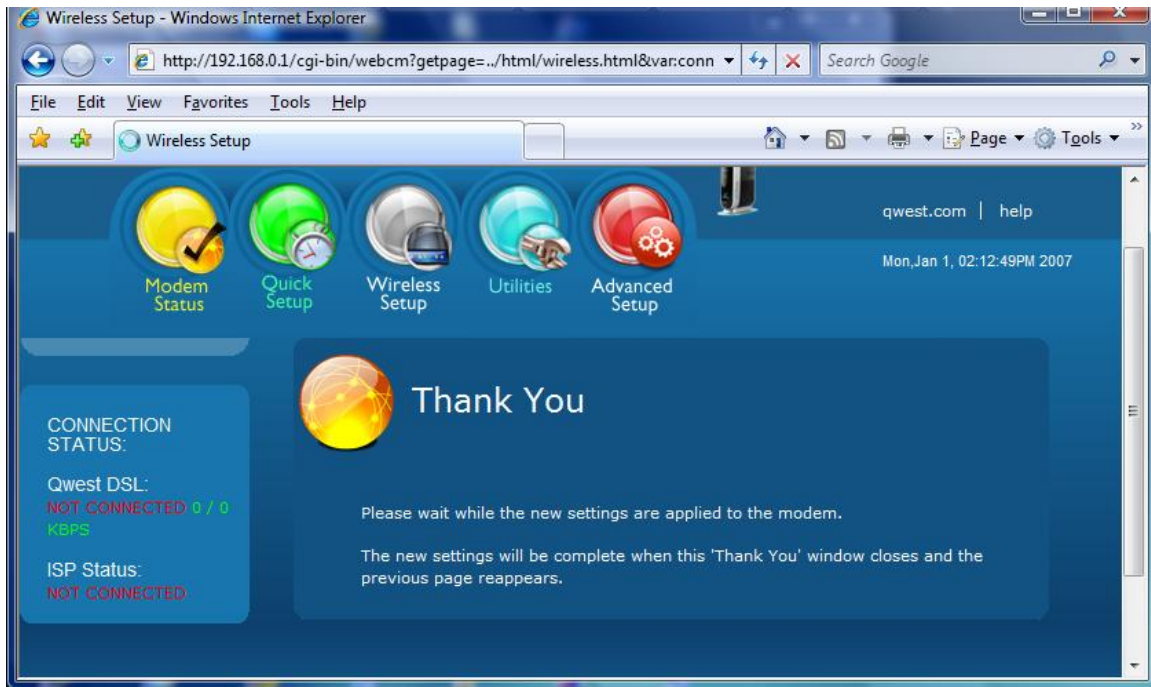
Port: 1812

Secret:

4. Click "Apply" to save your changes.

Apply

6. The following page will appear. Once the modem returns to the WPA page, the modem configuration will be complete.



7. Write down the new WPA PSK. To connect devices to your wireless network configure them with the WPA PSK you have created.

The configuration of your Actiontec M1000 with a unique WPA PSK is complete.