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# Windows XP: Connecting to the Secured Wireless Networks

**Athens** and **Rome** are the secured wireless networks on the CUMC campus. Both require that your computer be specially configured, and that you log on to the network with your Columbia UNI account.

Please see our **Wireless at CUMC** handout for general details and a list of all wireless locations, or visit **http://www.cumc.columbia.edu/it/getting_started/wireless.html**

Instructions for connecting to both Athens and Rome are on this document (see below for Athens and the other side for Rome). You will only need to configure your computer once for each network, and you can install both programs on the same computer. NOTE: Rome is not compatible with Windows 64-bit systems.

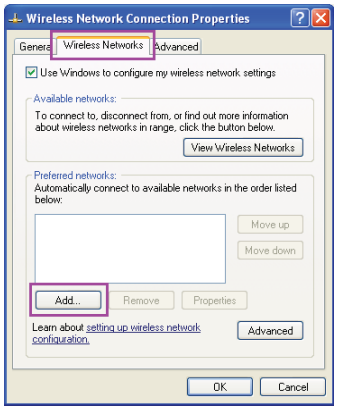
## Configuring Athens on Your Windows XP Computer

- The free SecureW2 program is required to connect to Athens from a Windows computer. The program allows XP computers to use advanced security protocols that provide strong data encryption.
- Your computer should have all of its recent Windows Updates, and may require software updates for its wireless card and BIOS as well if it cannot connect.
- Older versions of Windows (ME, NT and 98) cannot connect to Athens and must use Rome (see over).

### Part I – Download and install SecureW2

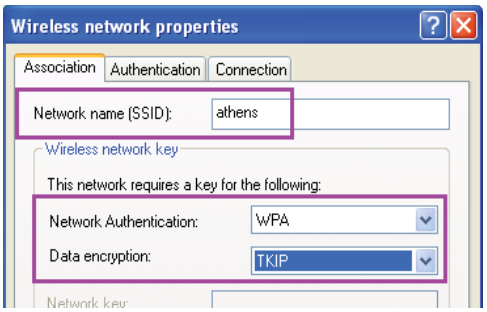
1. Go to: **http://www.cumc.columbia.edu/it/getting_started/xp_athens.html#installer** and select the link to download the SecureW2 Athens installer - or stop by the 2nd floor of the Hammer building for a copy.
2. Save the SecureW2 installer file to your computer, noting the location.
3. Double click on the securew2_athens.exe file and follow the prompts to install – be sure to reboot your computer after the installation has finished.

***Most systems can connect after installing SecureW2 and will not require further configuration*** (*see over for Part III - Logging in to Athens*). If your computer does not connect, please continue:

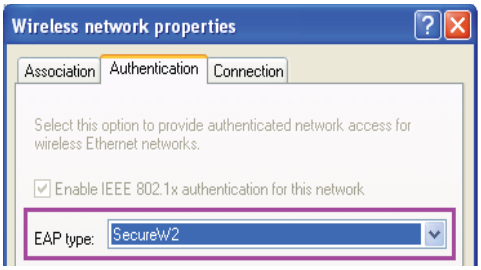



### Part II – Configure Your Wireless Card for Athens

4. Select **Start - Control Panel - Network Connections** on your computer.
5. Right-click on the **Wireless Network Connection** icon and select the **Properties** button to open the **Wireless Network Connections Properties** window.
6. Select the **Wireless Network Connections** tab at the top of the **Properties** window, then select the **Add** button at the bottom left of the window.
7. At the next window, type **athens** in the **SSID** field.
8. Select **WPA** for the **Network Authentication** and **TKIP** for **Data Encryption** from the respective drop down menus.




**NOTE**: If you do not see the options for WPA or TKIP in the drop down menus here, your wireless card cannot currently use Athens. You can check the card manufacturer's web site to see if upgrading the drivers or firmware for the card will resolve this.




9. Go to the **Authentication** tab and select **SecureW2** as the **EAP type**.
10. Select the **OK** button at the lower right to close the **Wireless network properties** window, then again to close the **Wireless Network Connection Properties** window. Your computer may pause a moment as it saves the new settings.

## Part III – Logging into Athens using SecureW2

11. When your computer detects an Athens access point, you should see a pop-up bubble in the lower right of your computer screen. Double-click on this to launch the **SecureW2 Credentials** logon window.
    - If your computer does not automatically detect Athens, you can search for it by opening your **Wireless Connection Properties** (Steps 4-5), selecting the **View Wireless Networks** option and double-clicking on **Athens**.
12. Log in with your UNI and password, leaving the **Domain** field blank.
13. Once you have successfully logged in you will be able to use the Athens network. To switch between Rome and Athens, go back into your Wireless Network Connection properties, refresh the network list if necessary, and select the available network to which you would like to connect.

**Additional Troubleshooting** - if your computer still can't connect to Athens, please follow these additional steps:

1. Return to the **Wireless Network Connection Properties** window and select the **Wireless Networks** tab.
2. Be sure that **athens** is at the top of the **Preferred Networks** list, then double click on the word **athens**.
3. Make sure that **WPA** and **TKIP** are selected in the appropriate fields (Step 8).
4. Select the **Authentication** tab and verify that the **EAP type** field lists **SecureW2** (Step 9).
5. Select the **Properties** button below the **EAP type** field.
6. Select **Configure**, then the **Connection** tab and verify that **Use alternate outer identity** is checked.
7. Under the **Certificates** tab, make sure **Verify server certificates** option is NOT checked.
8. Under the **User Account** tab, you may enter your UNI and password if you'd like it to auto-login when Athens is present – *please do not do so if you are configuring a computer that is shared with other people*. The **Domain** field must remain blank.
9. Make sure that **Use this account to logon computer** is NOT checked.
10. Select the **OK** button at the next three windows to save these settings and exit the **Wireless Network Connection Properties**.

## Configuring Rome on Your Windows XP Computer

- Configuring your computer for Rome requires that you install the free Cisco VPN software program. VPN is not compatible with Windows 64-bit systems.
- VPN (Virtual Private Network) is a program that encrypts all data sent across the wireless network on the CUMC campus; it is not required for use on the Morningside campus.

**To configure and use Rome:**

1. Go to **http://www.cumc.columbia.edu/it/getting_started/vpn.html#xp** to download VPN and follow the step by step configuration instructions.
   - Connect to the unsecured **guest-net** network to download VPN, or you can also stop by the Service Desk on the second floor of the Library for a copy of VPN.
2. After installing VPN, **you must restart your computer**. VPN will not work until you reboot.
3. When your computer's wireless card detects the **Rome** network, you can open the Cisco VPN application, select the **West Campus Rome Wireless Network** to connect, and log on with your UNI and password.
4. Be sure to disconnect (select the **Disconnect** icon in the VPN window) when you are done using the Rome network.

For more detailed information please see our **How to Use VPN** handout.