Configuring the Windows XP Wireless Client

Before you begin:

Configuring a secure wireless network requires proficiency with Window XP. IT Services is available 8:00-4:00 Monday through Friday to help if you have additional support needs.

The instructions assume a standard XP installation. If you have customized your settings, your computer may look different.

Windows XP Service Pack 3 is required. If you have purchased your computer recently or if you have Automatic Updates scheduled, you will have Service Pack 3. If you are uncertain, Click on **START**, point to **My Computer** and right click, then click on **Properties**. Under the General tab, you should see the words "Service Pack 3". If you need SP3, run Windows Update (**Start --** > **All Programs --> Windows Update**).

Install your wireless card and configure it according to the manufacturer's instructions before continuing. If your laptop has a built-in wireless card, chances are it is already configured. If your computer does not look like the screen shot on step 1, you probably do not have your wireless device configured.

Install the optional Microsoft Wi-Fi Protected Access 2 (WPA2) patch. Click here for instructions - <u>WPA2 Patch</u>.

Configuration Steps:

1. Click on the Start --> Connect To --> Wireless Network Connection



2. Click on Change advanced settings



_4	- Wireless Network Connection Properties 💦 🛛 🔀
٢	General Wireless Networks Advanced
	Connect using:
	Eisco Systems 350 Series PCMCIA
	This connection uses the following items:
	 Client for Microsoft Networks File and Printer Sharing for Microsoft Networks QoS Packet Scheduler Thternet Protocol (TCP/IP)
	Install Uninstall Properties
	Allows your computer to access resources on a Microsoft network.
	Show icon in notification area when connected Notify me when this connection has limited or no connectivity
3. Click Wireless Networks	OK Cancel

4. Click on Add

	Wireless Networks	Advance	d	
🖌 Use	e Windows to configur	e my wirele	ess networ	k settings
Avail	able networks:			
To c	onnect to, disconnect it wireless networks lin	from, or fin	id out more	e information
0000			View Wire	less Networks
				Move up
-	Add	ve	Properties	
_	about setting up wire	less netwo	<u>rk</u>	Advanced

5. Enter **students** into the **Network name (SSID):** field. Select **WPA2** in **Network Authentication** if available, else use **WPA**. Select **AES** in Data Encryption if available, otherwise select **TKIP**.

'ireless network prop	perties 🤗
Association Authenticatio	on Connection
Network name (SSID):	students
Connect even if this Wireless network key	s network is not broadcasting
This network requires a	a key for the following:
Network Authentication	n: WPA2 🔶 💌
Data encryption:	AES 🚽 💽
Network key:	
Confirm network key:	
Key index (advanced):	1
The key is provided	l for me automatically
This is a computer-to- access points are not	computer (ad hoc) network; wireless used
	OK Cancel

6. Click on the **Authentication** tab and select **Protected EAP** (**PEAP**) in **EAP** type. Uncheck the box labeled **Authenticate as computer when computer information is available**. Click on the **Properties** button.

Wireless ne	twork proper	rties 🛛 🛛 💽
Association	Authentication	Connection
Select this wireless Etl	option to provide hernet networks. IEEE 802.1x auth	authenticated network access for hentication for this network
EAP type:	Protected EAP	(PEAP)
Autheni Autheni unavail	icate as compute icate as guest wi able	Properties er when computer information is available hen user or computer information is
		OK Cancel

7. Uncheck the boxes labeled Validate server certificate and Do not prompt user to authorize new servers or trusted certification authorities. Click on Configure.

Protected EAP Properties
When connecting: Validate server certificate Connect to these servers:
Trusted Root Certification Authorities:
PTT Post Root CA Saunalahden Serveri CA Saunalahden Serveri CA Secure Server Certification Authority SecureNet CA Class A SecureNet CA Class B SecureNet CA Root Do not prompt user to authorize new servers or trusted
Certification authorities.
Secured password (EAP-MSCHAP v2)
Enable Fast Reconnect OK Cancel

8. Uncheck the box Automatically use my Windows logon name and password (and domain if any).



- 9. Click **OK** in the EAP MSCHAPv2 Properties box.
- 10. Click **OK** in the Protected EAP Properties.
- 11. Click **OK** in the Wireless network properties box.

12. Click **OK** in the Wireless Network Connection Properties box.

13. Now, when your computer is in range of the Blue Ridge CTC network, you will see the balloon shown below pop up from the system tray. Click in the balloon.



14. When the **Enter Credentials box appears**, **Enter** your Blue Ridge **User name and password**. Leave the **Logon domain** box blank. Click **OK**.

Enter Credent	tials 🛛 🔀
User name:	username
Password:	••••••
Logon domain:	
	I OK Cancel

You will see the **Wireless Network Connection** balloon pop up after a brief period. This means you have successfully configured your computer to work on the Blue Ridge wireless network.



If you do not see this pop up, walk through these steps again to make sure you didn't miss anything. Each step is important.

You must have an anti-virus product installed on your computer in order to use the wireless network. If you do not have an anti-virus product already, you must install one. You may buy and install a commercial one, or use a free one from the internet. One such free antivirus product is AVG which can be downloaded by typing **free.avg.com** into your web browser's address line.

If you have any problems with this guide, please contact the User Support Desk at (304) 260-4380 or support@blueridgectc.edu.