Welcome to Wireless Services for Spelman College

SPELMAN COLLEGE MEDIA & INFORMATION TECHNOLOGY DIVISION

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USING WIRELESS NETWORK CONNECTIONS AT SPELMAN

Before the first time you use a wireless connection you will need to perform various setup instructions:

How do I use the wireless connections to Spelman's Network? Any faculty, staff or student of Spelman College, with their own valid network logon ID, can use wireless connections. For security reasons, generic "spelman" type login ID's will be restricted from wireless service.

What types of PCMCIA wireless cards are supported? Spelman's wireless access points support 802.11a, b and g in the Manley Center. Other locations support 802.11b and g connections at this time. Therefore, most cards with the 802.11b or 802.11g standard and "Wi-Fi" certification should work.
NOTE: Bluetooth wireless adapters do not use the 802.11 standard, therefore are not compatible.

Setting up your PC's wireless adapter (Also referred to as "radio"):

1. If you have an external wireless adapter card, insert it into the appropriate slot and follow the Installation Wizard instructions. It is imperative that you familiarize yourself with how it functions before your first use.

2. For internal wireless adapters commonly installed on newer laptops, familiarize yourself with its location and all internal or external buttons or switches there might be to turn it on and off.

3. Determine how your wireless adapter will be managed and configured for scanning and connecting. Be aware that externally installed adapters or your laptop may have a network connection management utility. (E.g., IBM Access Connections, 3COM Office Connect) **If you start using non-Windows configuration utilities, you may not be able to use Windows *Network Connections* in Control Panel thereafter to control your wireless adapter.**

4. Each time you use the wireless service, first ensure your radio/adapter is on/enabled. It may come on (and may automatically connect) when your PC boots up. You may have to manually disable your ethernet card using *Network Connections* in Control Panel. **For network security reasons, please turn off wireless adapter after each use.**

5. Ensure you are seeing "Radio On" or "Enabled" in your Network Connections window or connection management utility and perform a scan of the wireless connections available in your immediate area. If for some reason you are also using an ethernet cabled connection at the same time, your ethernet interface card will need to be disabled.

6. **Be sure the only wireless network (also called SSID) you access is "SPELMAN1G".** Scan by clicking "View (Available) Wireless Networks" in your wireless adapter icon's pop up menus. (Icon can be found in System Tray or in Network Connections window). Using other SSID's from the surrounding neighborhood and schools is illegal and is considered stealing network bandwidth.

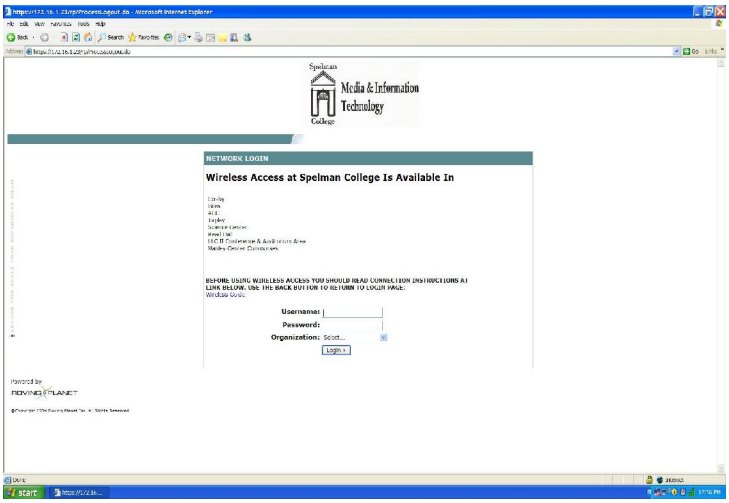
Step by Step instructions for wireless connection to Spelman's network:

Please Note: If you have never logged on to any Spelman network domain (sc_main or sc_student):
Your network ID must be authenticated before using a Spelman wireless connection. You can do this by logging on at your desktop or in one of our open-access labs and changing the default login ID password to your own.

1. Be sure you have completed all necessary set up steps above. Scan available wireless networks using your preferred utility and ensure you connect to a **SPELMAN1G** access point/SSID. If you can configure properties on your adapter as such, ensure unknown SSID's are removed from your access list.

2. Launch your browser, such as Internet Explorer. Do not be discouraged if you do not connect the first time. If you've forgotten a step and done something out of order you may have to reboot and start again.

3. Your PC will be directed to a Roving Planet webpage (see picture insert) that is the wireless security portal (doorway) to Spelman's network.



4. Click **YES** in the next Security Alert window regarding the "……site's security certificate".

5. Click **OK** in the Security Alert window. You may click yes in the box for "In the future do not show this warning."

6. You should now see the Roving Planet webpage such as the page pictured above. Select your appropriate Organization Category.

7. Enter your own personal Spelman network **Username** and **Password** then click on "Login". This account is the one used to logon to SC_Main or SC_Student.

8. If the *AutoComplete or save password option* window appears, click **No**. We strongly suggest that you do not store any passwords on a local drive.

9. Wait while you are logged on and are routed to your previously selected Internet Home page. Click **Yes** to continue if any Security Alert window pops up.

10. For more information on Spelman's wireless network access, contact the Help Desk directly by dialing 404-270-5400.

WELCOME TO THE WONDERFUL WORLD OF WIRELESS TECHNOLOGY

What is wireless technology? Imagine working on your laptop or checking e-mail from anywhere on campus. Imagine being able to connect to the Internet while working in a small study group session or while working in the library. Imagine being able to send instant messages to other students or faculty while eating in the dining room or Café. Now, imagine doing all of these things easily and quickly - without worrying about being connected to a wired network connection. This is wireless technology, or Wi-Fi (Wireless Fidelity).

How does Wi-Fi work? Wi-Fi works like the technology in your cell phone. Wi-Fi enabled computers send and receive data indoors and outdoors; anywhere within the range of a base station. And the best thing of all, it's fast. In fact, it's several times faster than the fastest cable modem connection. The radio technology used to transmit data is hidden in the Wi-Fi card and is completely invisible.

Airports, hotels, coffee shops, office buildings and college campuses across the country have adopted Wi-Fi technology. Anyone with a laptop and the right piece of hardware can sign on to a high-speed connection. To get online, you must be within range – typically 150 feet – of a wireless access point, or "hot spot."

How does Wi-Fi Work at Spelman College? Wireless networking allows you to use your wireless PC Card in your laptop to access the Spelman College network without physically connecting to an ethernet jack. The wireless network is an extension of the wired network infrastructure, and allows increased mobility and flexibility for campus network users. Our wireless hot spots (technically called access points) are installed in and around Manley Center and other buildings that are listed on the log in page. Spelman also has a Commuter Lounge area, which has 8 wireless desktop PCs setup for easy access to the internet. Transmission speeds decrease as the number of users increase and as the distance between the laptop and the access point increases. To learn more about connecting, see the previous pages of this guide.

What can I do while connected via Wireless? In general, a wireless connection works just like a wired ethernet connection. For security reasons, currently you can use wireless for E-mail and Web access only through your Internet browser such as Internet Explorer or Netscape. Wireless can be used to facilitate non-traditional classroom settings, facilitate group collaboration, to support portable recordkeeping, on-the-fly review or editing of work, and wireless webcam projections, just to name a few. You should not use wireless for streaming audio or video, very large downloads or Web sites that are graphically intensive.

Spelman College

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