

Laptop Connection

Laptop Users in the Library: When accessing electronic resources from within the Library (i.e. electronic databases, electronic journals), use the “Remote” or “NON UH Manoa” links and log in using your UH bar code and password. This applies to both Wireless and Ethernet use.

Wired (Ethernet)

To connect, users need a 10BaseT (or/100BaseT) Ethernet (Network Interface Card) card already installed on the laptop computer.

Required Hardware Configuration

- A 10Base Ethernet card with RJ-45 female connector installed in your laptop and an RJ-45 Ethernet cable provided with your card. In addition to the card, the accompanying software drivers for your card must be properly installed and configured.

Required Software Configuration for PC/Windows 95/98/NT/2000

- **TCP/IP protocol must be installed on your laptop.** You also need installed on your laptop Internet-related software, such as a Web browser (i.e., Internet Explorer 5.5 or Netscape 4.77). In all cases, **Internet access requires that your TCP protocol be configured to obtain IP addresses from a server.**

Please follow these instructions to INSTALL and CONFIGURE TCP/IP and REQUIRED SOFTWARE:

1. Open *Control Panel* and select the *Network* icon by double-clicking on it. The NETWORK configuration window will appear.
2. Select ADD button and left click on it. The “*Select Network Component Type*” window will appear.
3. Select PROTOCOL item and left click on it. Continue by left clicking on ADD button. The “*Select Network Protocol*” window will appear.
4. On the left window, select MICROSOFT; continue by selecting TCP/IP on the right window and left click on the OK button. Notice that the NETWORK configuration window will return.
5. Select TCP/IP item and left click on it. Continue by left clicking on the PROPERTIES button.
6. Select IP Address; choose “Obtain an IP address automatically.”
7. All other fields should be left blank; finish installation by left clicking on OK button. Your system will need to be restarted in order for changes to take effect.
8. Restart your laptop and open the browser (i.e., Netscape, Internet Explorer).

Laptop Connection for XP

In the XP Menu Mode, go to Start, then the Control Panel.

In the Classic Menu Mode, go to Start, then Settings, Network Connections, Local Area Connections; then follow instructions 4-11 (below) in the Category View.

Follow either the Category View or Classic View Instructions (below). XP users can choose between the two views when viewing the control panel.

In Category View:

1. Click on the Network and Internet Connections icon
2. Click on the Network Connections icon
3. Double-click on the Local Area Connection icon
4. Click on the Properties button
5. Make sure that there's a check mark next to Internet Protocol (TCP/IP) selection
6. Click on the Internet Protocol (TCP/IP) selection to highlight it (don't click on the check box or you will uncheck it)
7. Click on the Properties button
8. Make sure that the following is selected:
 - a. Obtain an IP address automatically
 - b. Obtain DNS server address automatically
9. Click OK; then Click OK again
10. Click Close on the Local Area Connection Status window
11. Plug in the Ethernet cable, open up Internet browser, Log in.

In **Classic View**:

1. Follow steps 2-11 above.

Required Laptop Software Configuration for Apple/Macintosh PowerBook Users

- Apple PowerBooks must have the MacTCP Control Panel installed. If you do not have MacTCP, you will find it included with most Internet software suites for the Mac. If you have other MacTCP configurations you would like to save, MacTCP Switcher is a useful utility for storing several different setups. (Recommended Web browsers: Internet Explorer 5.01 or Netscape 4.76)

Access to UHM Network

- You must specify the ‘network name’ in your configuration. To obtain your network name and password, go to the ITS Web page at <http://www.hawaii.edu/wireless> click on “Access Validation,” enter your ITS (UH) username and password to verify your UH eligibility. You will receive your **Network Name** and **Password** or **Encryption Key** for your network settings. This access procedure applies to both **Wired** and **Wireless** connections.

Wireless

Required Hardware Configuration

- A Wireless PC Card (802.11b certified; See “About Wireless Cards” at ITS Web page at: <http://www.hawaii.edu/wireless/> must be installed in your laptop.

Configuration of PC Laptop/Wireless Card

- ORiNCOCO PC Card (see “Configuring Your Laptop/Wireless Card” at above Web page for PDF with instructions)
- Linksys PC Card (see “Configuring Your Laptop/Wireless Card” at above Web page for PDF with instructions. NOTE: This Card is not supported by ITS.) See “About Wireless Cards” for additional information.

Configuration of Apple/Macintosh Laptop/Wireless Card

- Macintosh Card (see “Configuring Your Laptop/Wireless Card” at above Web page for PDF with instructions). See “About Wireless Cards” for additional information.

Wireless Coverage Map

- See ITS Web page <http://www.hawaii.edu/wireless/> for a UH campus map of Wireless coverage.

More Information About Using the Wireless Network

- See “Wireless Network Access” at Sinclair’s Web page <http://www.sinclair.hawaii.edu/>
- See “Wireless Coverage in Hamilton Library” at http://libweb.hawaii.edu/uhtmlib/libinfo/wireless_access.html

Limitations and Disclaimers

- Π Laptop owners may use the connections during regular Library hours.
- Π The Library does not download, provide, or install any software for laptop users.
- Π No guarantee is provided that a laptop will be able to make a successful connection, even if the above software configurations are installed, since many factors (including other software packages on the laptop) may interfere with a connection.
- Π The Library assumes no responsibility for any alterations or interference with a laptop’s configuration, operation, or data files resulting from connection to the Library’s network.
- Π The Library assumes no responsibility for damage, theft, or loss of any kind to a user’s equipment, software, data files, or other personal property brought into or used at the Library’s facilities.