Wireless @ Johns Hopkins

Wireless Configuration Guide:

Windows XP

Additional “hopkins” wireless network instructions and requirements for Windows 7, Vista, Mac OS X, and Linux can be found at:
http://www.it.johnshopkins.edu/services/network/wireless/

The Johns Hopkins Institutions offer the “hopkins” wireless network to faculty, staff, students, or anyone with a valid JHED ID. The “hopkins” wireless network utilizes the 256-bit Advanced Encryption Standard (AES), and Microsoft's Internet Authentication Service (IAS) for authentication, to provide a higher level of security and access.

Requirements for Windows XP:

1. You will need an active JHED ID for authentication. If you don’t know your JHED userid and password, please follow the steps in the How do I find out my JHED account information section.
2. Windows XP with a minimum of Service Pack 2 must be installed. Please follow the steps in the Service Pack Verification section, to determine if you are running at least SP2.
3. A wireless network adapter that supports the 802.11b and/or 802.11g protocol(s) and WiFi Protected Access (WPA-Enterprise).
4. Your network card must also support Microsoft’s Wireless Zero Configuration (WZC) Service. Most new wireless network cards support WZC. However, if you are unsure if your network card supports WZC, check your vendor’s online support or contact the vendor directly.
5. You must have the current drivers for your network card, which are usually available from the PC vendor's web site.
6. Symantec Antivirus must be installed. It is free for Hopkins affiliates, and can be downloaded at http://it.johnshopkins.edu/antivirus/.

NOTE: Windows 9x, Windows Me, and Windows 2000 are not supported. If your computer has 802.11b and/or 802.11g support but doesn’t support WPA-Enterprise, you can still attain wireless access through JHGuestnet. For more information, visit http://www.it.johnshopkins.edu/services/network/wireless/

If you meet all the above requirements, please proceed to the How to configure Windows XP for “Hopkins” wireless.
How do I find out my JHED account information?

The following steps will allow you to activate your JHED ID. You will need access to a wired (ethernet) connection.

**Step 1:** Open a web browser and go to [http://my.johnshopkins.edu](http://my.johnshopkins.edu).

**Step 2:** Click the First Time JHED User link.

**Step 3:** Follow the instructions on the login page to find out your Login ID and to set your password.

JHED account and Active Directory credentials should be the same except for some grandfathered accounts. If you have issues with signing in when asked for your User ID and password, please contact the Help Desk, (410) 955-HELP, to correct the issue.

**Service Pack 2 Verification:**

Click the Start button, scroll up to Settings, and select Control Panel from the submenu. In the window that opens, double-click on the System control panel.

How to configure Windows XP for “hopkins” wireless:

Step 1: From the Start Menu, click on Connect To and select Show all connections.

Step 2: Highlight the Wireless Network Connection, and right click. Select Properties at the bottom of the menu.

NOTE: Your wireless card must be enabled to make changes.
Step 3:
You should now see the wireless network properties. Select the **Wireless Networks** tab. If **hopkins** is already present in the list of preferred networks, select it and click **Remove**. Then click **Add**.

![Wireless Network Connection dialog box](image)
Step 4:
In the SSID field, enter hopskins. The Network Authentication should be set to WPA. The Data Encryption should be set to AES.
Step 5:

Click on Authentication Tab:
For EAP Type, choose Protected EAP (PEAP)
Uncheck “Authenticate as computer when computer information is available”
Uncheck “Authenticate as guest when user or computer information is unavailable”
Click on the Properties button for Protected EAP properties.
Step 6:

In the “Protected EAP Properties” Window do the following:

1. Check the “Validate server certificate” box.
2. Check the “Equifax Secure Certificate Authority” box in the “Trusted Root Certification Authorities” list. If you do not see Equifax Secure Certificate Authority, you need to update your wireless card’s drivers to the latest version.
3. Check the “Enable Fast Reconnect” box.
4. For “Select Authentication Method,” choose Secured Password (EAP-MSCHAP v2). Then click Configure.
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Step 7:

Uncheck the “Automatically use my Windows logon name and password (and domain if any)” box and click **OK**.

Click **OK** in Protected EAP Properties box.
Click **OK** in the Wireless Network Properties box.
Click **OK** in the Wireless Network Connection Properties box.

This will bring you back to the main desktop.

![EAP MSCHAPv2 Properties](image)

Step 8:

Click on the message “**Wireless Network Connection**,” which you will see on the bottom right of your screen.

![Wireless Network Connection](image)
Step 9:

Please enter your Credentials:
For **User name**, enter your **JHED ID**.
For **Password**, enter your **JHED Password**.
For **Logon** domain, enter **WIN**.

You will then receive a message that the wireless network connection is now connected.

You are now on the network!
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JHARS Registration **Required for First-Time Users**:

Step 10:

Open a new web browser window. If this is your FIRST time connecting this device to a wireless network at Johns Hopkins, you will be directed to our JHARS registration website. If you are not redirected, please type http://jhars.nts.jhu.edu. Click Log On to continue.

Step 11:

You may be prompted by a certificate warning, depending on what version and type of web browser you are using. Please click **Continue to this website**.
Step 12:

Enter your JHED logon credentials and click **Login** to access the registration process.
Step 13:

Click on **DYNAMIC IP** to register.
Step 14:
Click **Confirm** to conclude and submit the request.

Step 15:
Reboot to complete the registration process.
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Where do I get additional help?

Technical Assistance
Garland Hall Basement
Hours M-F 8AM-5PM

Krieger Computer Lab
Krieger Hall Room 160
Hours Sunday 10AM-Friday 10PM, Saturday 10AM-10PM

Contact the Support Center at:

(410)955-HELP (410)955-4357  Johns Hopkins East Baltimore
(410)516-HELP (410)516-4357  Johns Hopkins Homewood Campus
(443)997-HELP (443)997-4357  Johns Hopkins Mount Washington Campus