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Wireless Configuration Guide:

Windows 7

Additional hopkins wireless network instructions and requirements for Windows XP, Vista, 8, Mac OS X, Linux, and other Mobile versions 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 WiFi Protected Access (WPA2) with 256-bit Advanced Encryption Standard (AES), to provide a high level of security and access.

Requirements for Windows 7:

1. The network card must support the 802.11b and/or 802.11g protocol(s) as well as support WiFi Protected Access (WPA2-Enterprise).
2. You must have the current drivers for your network card which are usually available from the PC vendor’s web site.
3. Microsoft System Center Endpoint Protection (SCEP) must be installed. It is free for Hopkins affiliates, and can be downloaded at http://it.johnshopkins.edu/antivirus/.

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.
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.
How to configure “hopkins” wireless for Windows 7:

Step 1: Click on the Start ICON .

Click on Network from the menu.

Step 2: Select Network and Sharing Center.
Step 3: Select **Manage wireless networks**.

Step 4: Click **Add**.
Step 5: Select Manually create a network profile.

Step 6: For Network name, enter hopkins. For Security type, select WPA2-Enterprise. For Encryption type, select AES. Click the Next button.
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**Step 7:** Select Change connection settings.

**Step 8:** Make sure the first box is **checked**. Select the **Security** tab at top.
Step 9: For Security type, select **WPA2-Enterprise**. For Encryption type, select **AES**. Choose **PEAP** for authentication method. Check the box for “Remember my credentials.” Click on **Settings**...
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**Step 10:** **Uncheck** any boxes in “Trusted Root Certification Authorities,” then **uncheck** “Validate Server Certificate.” **Select** “Secured password EAP-MSCHAPv2.” **Check** “Enable Fast Reconnect.” **Click** on **Configure**…

![Protected EAP Properties](image)

**Step 11:** **Uncheck** the box next to “Automatically use my Windows logon” **Click** OK. **Click** OK on Protected EAP properties box.

![EAP MSCHAPv2 Properties](image)
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**Step 12:** Back on the “hopkins wireless network properties” window, click on **Advanced settings**…

![Wireless Network Properties Window](image)

- **Security type:** WPA2-Enterprise
- **Encryption type:** AES

Choose a network authentication method:
- **Microsoft: Protected EAP (PEAP)**

- **Remember my credentials for this connection each time I’m logged on**

[Advanced settings button]
Step 13: Check the first box “Specify authentication mode.” Then choose the “User authentication” option. Then click on **Save credentials**…

Step 14: Enter **WIN[your JHED ID]** and **password**.
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**Step 15:** Click **OK** three times to save all the settings. Go to main desktop

**Step 16:** You should connect automatically. If not, click the wireless icon on the task bar and **Connect** to the “hopkins” network.

![Wireless Network Connection](image)

**Step 17:** You can check your connection status on the task bar.

![Connection Status](image)

**You are now on the network!**

**Where do I get additional help?**

**Technical Assistance (walk-up)**
Garland Hall Basement
Monday – Friday 8:00 AM - 4:30 PM

**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