How To obtain the MAC address from your system

Every computer using a Harvard network connection needs to be registered, this will describe how to obtain the key information for that to happen

What is a MAC Address?

A MAC address (Media Access Control) or Physical address is a sequence of characters that identify the network adapter(s) installed on your computer.

The address is composed of up to 6 pairs of characters (in hexadecimal alphabet: A-F and 0-9), separated by colons, i.e. a0:1b:cc:00:99:ff

To obtain your MAC address from your system, please select the right OS and follow the steps on your own system.

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**Important**

In all cases, please make sure that you are currently connected to a network using the connection that you want to find the MAC address for.

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Step-by-step guide for Windows Systems

Generic for all Windows (command line)

1. From the keyboard, hit the “Windows Key” from the keyboard (close to the space bar) and the letter “R” (Windows + R)
2. Once the Execute window, type “cmd”
3. Once the black “cmd” window is open, type : 
   ```
   getmac /v /fo list
   ```

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**Windows XP**

Due to SEVERE security issues, Windows XP systems are not allowed to be connected to any Harvard network. If you have one, please disconnect it immediately, it is endangering all the systems on the network.

XP systems are only allowed when directly connected to an instrument, but UNDER NO CIRCUMSTANCES they are allowed to be connected to the network, please contact ithelp@harvard.edu if you have any questions.

**Windows Vista, 7 and 8**

1. Click on “Start Menu”
2. Click on “Control Panel”
3. Go to “Network and Sharing Center”
4. Click the link “View Status” by the connection you want to examine
6. Click on Details and Locate the item labeled Physical Address, which is the MAC Address number.

**Windows 10**

1. Open the "Settings app"
2. Go to Network & Internet
   a. Click on WiFi if you want the mac address from a wireless card
   b. Click on Ethernet if you want the mac address from a wired card
3. Click on the network name to see its properties.
4. On the next page, you will find the line Physical address(MAC).

**Step-by-step guide for Mac OS Systems**

**The GUI way:**

1. Open "System Preferences". Click on the Apple icon on the top left corner of your screen.
2. Click on Network
3. Select your connection from the left frame. Choose either Thunderbolt Ethernet, Usb Ethernet or Built-in Ethernet, depending on how you access your network.
4. Click Advanced and navigate to the Hardware tab where you'll find your MAC address.

**The Command line way**

1. Open a terminal (command + space bar) to bring spotlight up and type `terminal OR` click on the magnifier at the top right corner)
2. On the terminal type `ifconfig -a`
3. Look for your active network connection (likely the only one with an IP address)
4. The MAC address can be found next to the word "Ether" on the second line

**Step-by-step guide for Linux Systems**

**The Command line way:**

1. Open a terminal
2. Type `ifconfig -a`
3. On the network adapter that has an IP address assigned, look for the mac address
   a. Ubuntu/Debian Based, you can find it on the first line next to "HWaddr"
   b. RedHat can be found next to the word "Ether"

If you encounter any problem or you are unsure, please contact us at ithelp@harvard.edu and we'll help you find the right information.
• How To obtain the MAC address from your system
• Best Practices for Linux Security