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# Wireless Network Overview

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The AirPennNet Configuration Tool, *Connect to AirPennNet*, was retired on July 16, 2024.  
Use **AirPennNet Guest** to configure or re-configure your device for AirPennNet.

Laptops with the new **Snapdragon** CPU are unable to install the security configuration needed to access AirPennNet. As a workaround, you can follow the instructions for Wharton-managed devices to set up AirPennNet, but please be aware that using this method on a non-Wharton-managed device will result in your connection being less secure and is not recommended.

## Before You Start

You'll need:

- an active PennKey
- administrative access to your device (faculty/staff/anyone using a corporate computer)
- to be in a location with access to AirPennNet

Penn's wireless network (AirPennNet) gives you high speed access to the Internet from your own laptop, notebook computer, or wireless handheld device while on campus.

In a hurry and want to configure your Penn Wifi without reading on? See the University's directions at:  
<https://www.isc.upenn.edu/how-to/connecting-airpennnet-and-joinnow>

## AirPennNet Vs. AirPennNet Guest: Which One Should You Use?

### Using AirPennNet-Guest

Use AirPennNet-Guest for:

- Connecting to Penn's wireless network for the first time on a device,
- Guests who wish to use the wireless network services.

Students, faculty and staff who want to connect to the wireless network **should NOT** use AirPennNet-Guest. This option is designed for guests at the University and for initial connections, and has limited bandwidth.

When connecting to wireless at Penn you'll notice you have four different options in most areas. But which one should you use? The four options, and when they should be used, are as follows:

- **AirPennNet:** Students, faculty, and staff should connect to AirPennNet when possible. More secure and robust, it is PennKey authenticated. Installation and configuration instructions are listed below.
- **AirPennNet-Guest:** As the name suggests, this option is for guests at the University. The AirPennNet-Guest

service is NOT recommended for students who want to connect to the wireless network. Users must register themselves on this network every day; however, it does not require any configuration because it is an open network with limited bandwidth and no encryption. Most areas on campus have a limited number of IP addresses for AirPennNet-Guest and you may be unable to connect during peak capacity. For more information please see: [The AirPennNet-Guest network at Penn](#)

- **AirPennNet-Device:** AirPennNet-Device is specifically designed for devices that cannot connect to the normal AirPennNet Network. This can include devices such as gaming consoles, tablets, and more. You'll need to follow [these directions](#) to register the device's IP address to gain access.
- **Eduroam:** eduroam allows students, faculty and staff to use their home institution's credentials (for Penn affiliates, their PennKey) to easily access the wireless network when visiting other participating institutions. eduroam can be found in all locations where AirPennNet service is available, but must be set up at your home institution.

## Accessing the AirPennNet Wireless Network

To access the AirPennNet wifi network on campus, you'll need to authenticate yourself using your PennKey and password. (To reset your password or get more information on PennKey, see our [article on PennKey Accounts](#).)

For detailed directions, see the University's directions at: <https://www.isc.upenn.edu/how-to/connecting-airpennnet-and-joinnow>

## Reconnect to AirPennNet

Occasionally you may need to reconnect your University-owned and managed Windows computer to AirPennNet.

### Wharton-Managed Windows Devices

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