# Wi-Fi Overview

Multiple wireless networks are available depending on the use case. The preferred network for personal phones, tablets, and computers is **CommonwealthU**, which allows you to connect using your CU username and password.

Some personal devices do not support username/password wireless authentication. These devices should use **CU Registered** or **CU Registered Open** instead Check out the locating your device's MAC address page for step-by-step instructions on connecting and registering common devices.

If you are encountering issues connecting to Wi-Fi, please see the Wi-Fi Troubleshooting Guide for possible solutions.

# Device Registration

Personal devices connecting to **CU Registered** or **CU Registered Open** must be registered. More information about this process is available in the Network Registration section.

> You may need to disable MAC address randomization on devices before connecting to **CU Registered** or **CU Registered Open**.

# Networks

## CommonwealthU

This is the preferred wireless network for personal phones, tablets, and computers belonging to faculty, staff, and students.

Connect to this network using your CU username and password. This network provides an encrypted wireless connection.

If you are prompted for network settings while connecting, here's what you need to know:

- Security type: **WPA3 Enterprise** (preferred) or **WPA2 Enterprise** (supported)
- Encryption type: **AES**
- Mode: **Automatic**
- EAP method: **PEAP**

- Phase 2 authentication: **MSCHAPv2**
- Trusted root certificate authority: **Sectigo Public Server Authentication Root R46**
- Server name: **commonwealthu.edu**
- CA certificate: **Use system certificates**
- Domain: **commonwealthu.edu**
- Username or Identity: Your full **CU account username**, such as **flast@commonwealthu.edu** or **abc12345@commonwealthu.edu**
- Anonymous identity: *(leave blank)*
- Password: Your **CU account password**

## CU Registered Open

This wireless network is available for personal devices belonging to faculty, staff, students, and guests.

Game consoles, streaming devices, and smart TVs must be manually registered before connecting to this network.

Computers, phones, and tablets should automatically begin the registration process upon connecting to this network for the first time. If registration does not begin automatically, open a web browser and visit any website to initiate the process.

## CU Registered

> Devices must be registered before connecting to this network.

This wireless network is available for personal devices belonging to faculty, staff, students, and guests. It provides an encrypted wireless connection for devices that do not support username/password wireless authentication.

Each device must be individually registered before using this network. During registration, a unique password will be assigned to each device that must be provided when connecting. It is not possible to connect to this network using your CU account password.

## CU Managed

> The **CU Managed** network will not work on personal devices.

All University-managed devices are automatically configured to connect to this wireless network. It is not necessary to manually configure university-managed devices, and doing so may cause problems.

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