

Remote AP (RAP) Setup Instructions

Model AP-303H with AC power adapter

Overview

The University of Colorado Colorado Springs (UCCS) Information Technology (IT) department is offering a limited program to certain staff who can benefit from the operation of a Remote AP (RAP). A RAP broadcasts the *UCCS-Wireless* wireless network just like on campus. When connected, it's as if you are working on campus and have access to on-campus resources without needing to use a VPN. All your traffic is securely tunneled back to campus by the RAP.

The RAP also offers wired ports for wired connections (such as a desktop computer, a laptop, or a laptop dock). Devices attached to the wired ports of the RAP behave and have access to on-campus resources as if they were connected to a regular network port on campus.

Requirements

You must have an Internet connection already established at your home – such as DSL or a Cable Modem. You must also have an available wired port on your router, cable modem, gateway or switch that has access to the Internet.

Services Provided

Your RAP will broadcast the *UCCS-Wireless* wireless network; the same network as on campus and will operate nearly exactly as it would on campus. Just like on campus, you will login/authenticate with your UCCS username and password when connecting to this wireless network. You can also connect a computer to the wired ports, and it will have secure access to resources as if you were on campus.

What's In The Box?

- A. 1x - Instruction sheet (digital versions available at <https://kb.uccs.edu/x/yQNeAg>)
- B. 1x - Remote AP (RAP)
 - Aruba AP-303H with stand. This model also provides additional wired ports.
- C. 1x - Ethernet cable
 - Color may vary. *NOTE – It may already be attached to the RAP.*
- D. 1x – AC Power adapter
 - Specific make/model may vary.
- E. 1x - Power Cable
 - For use with the AC adapter.



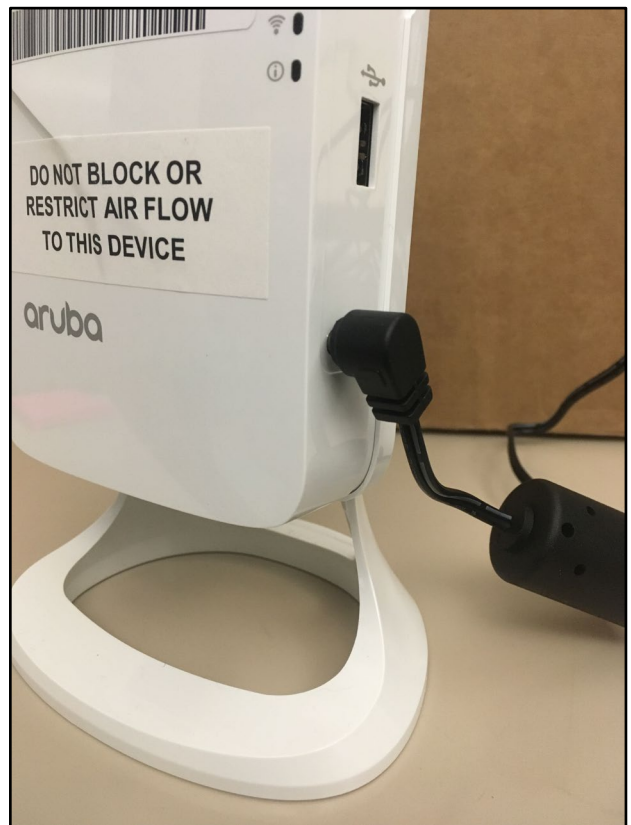
Setup

1. Connect the free end of the ethernet cable to an available port on your home router or cable modem.

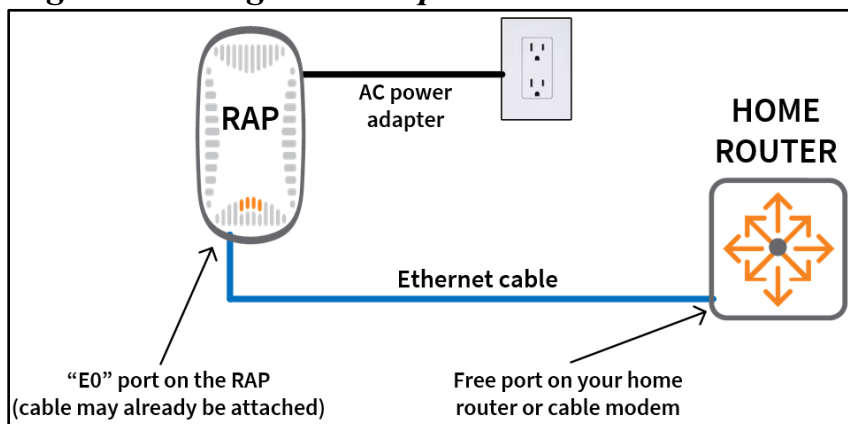
If the other end isn't already, connect it to the **E0** port on the bottom of the RAP and route the cable out the back as shown in the photo to the right.



2. Plug in the AC adapter to a nearby electrical outlet, and then connect the small circular plug to the RAP to power it on. See photo to the right for reference.
3. Wait 5-10 minutes for the RAP to fully boot up and establish its connection back to campus.
4. After 5-10 minutes your wireless devices should see the **UCCS-Wireless** network being broadcasted. Connect to this network as you would on campus.



Simplified diagram showing RAP setup



Using the RAP:

When powered up the RAP will broadcast the **UCCS-Wireless** network. Connect to it as you would on campus using your UCCS username and password. When connected to the RAP, there is no need to also VPN into campus. The RAP does it for you.

The **E1**, **E2**, and **E3** ports on the bottom of the RAP can be used for wired connections of your devices. A computer plugged into one of these will behave and have access to resources as if you were on campus. Again, if using these ports you do not have to VPN into campus.

The right side of the RAP has three LED status indicators as shown to the right. The bottom “system status” LED should be solid green indicating the RAP has fully booted up. The middle “radio status” LED should also be solid green indicating the wireless radios are active and broadcasting the **UCCS-Wireless** network.

The **E3** port can provide POE out (15.4w max) and when doing so, the “POE-PSE status” LED will be solid green.

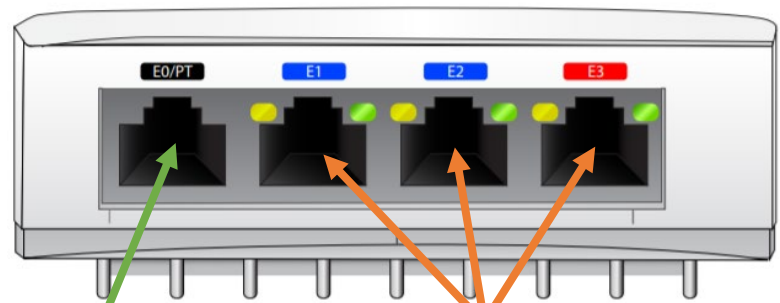
Support:

IMPORTANT: RAPs can get warm. Please do not cover the RAP, or block or restrict airflow around it. Keep the RAP upright on a desktop and unrestricted from airflow.

Basic Troubleshooting:

- Verify the Ethernet cable is plugged into an active port on your home cable modem or router. This uplink port needs internet access.
- Be sure to give the RAP ample time to boot up before trying to connect to wireless. It can take 5 to 10 minutes to fully boot up and establish its connection back to campus.
- If you have given the RAP 10-15 minutes to fully boot and you still do not see the **UCCS-Wireless** network being broadcast, please contact the OIT help desk.
 - Visit <https://oit.uccs.edu/get-help> for the various ways to contact the Help Desk.

Bottom of RAP has wired ports available for wired connections.



Goes to your home router

Available for wired devices

