

Ubiquiti airCube Router Config & Install Instructions (for Experienced Installers) v3.3



Before Pugging in the Router:

- Make sure you have the current airCube firmware on your laptop. (www.ui.com/download/accessories/aircube). See note below about version 2.80.
- You'll want these instructions open on your computer so you can copy UNMS key.

Power Up Router:

- Plug POE into airCube's gray "24V POE In" port (NOT the blue port).
- Alternately use a 5V micro USB (for direct-connect members, like AP hosts)

Plug/Connect Laptop to Router:

- Connect laptop via Ethernet to port 2 or 3 on the airCube.
- Alternatively, you can connect via Wi-Fi to the airCube -XXX Wi-Fi using the WPA2 password printed on the bottom of the router—but *be sure your computer is not seeing other Wi-Fi sources, they may hijack your config session.*

Open airCube Dashboard in Browser and Log In:

- Open a browser and go to <https://192.168.1.1>
- Advance through "connection is not private" warnings
- Login with username "ubnt" and the "PSWD" printed on bottom of airCube (next to QR code).

Update Firmware:

- Click "System" (gears icon) from black menu bar at left.
- Under "Device Maintenance" select "Upgrade Firmware." (Alternatively, you can select this from the top right of the main dashboard).
- Select the firmware file from your computer, then proceed through the steps to Verify and Upgrade it. Note, if the new airCube's current firmware is earlier than 2.80, then you must upgrade in two steps. First upgrade to 2.80, and then upgrade to whatever the latest firmware is.

- You will need to log back into the airCube after the upgrade completes—again using the username “ubnt” and the “PSWD” on the bottom of the router.

Configure Settings on System Tab:

- Click “System” (gears icon) from bottom of black menu bar at left.
- Change the Device Name to the member’s PPPoE username with an -ac appended at the end (get the PPPoE name from the Network | Radius area in Sonar)
- Change the Administrator Name to “admin”
- Click “Change Password” and change the password to the member’s PPPoE password.
- Make sure “POE Passthrough” is turned ON (unless this is a direct connect member)
- Turn Connect to UNMS on.
- From file copy of these instructions, copy/paste this text string into the UNMS Key field:
wss://172.16.2.200:443+h685PMGxcoBr9vMqyyIP8rOKBdFtkSSTS3cWntHRkJ7k6k1M+allowSelfSignedCertificate
- Scroll to the bottom of the screen and click “Save Changes.”

Configure Settings on Network Tab:

- Select “Network” (flowchart icon) from the left-side nav area and do the following:
- Change “Connection Type” to PPPOE.
- Enter the Radius Username and Password (from the Network | Radius area in Sonar).
- Make sure “Block Management Access” is turned OFF.
- Scroll to the bottom of the screen and click “Save Changes.”

Optional: Change WiFi SSID and PW

- (Do this optional Wi-Fi change as the last step so you don’t lose connection).
- Select the “Wi-fi” (signal strength icon) from the left-side Nav menu and enter the new SSID and WPA2 password.
- Remember to hit “Save Changes.”
- The WPA2 password printed on the bottom of the airCube will no longer work.

Plug in Configured Router at Member’s Location (not for direct connect members):

- Use a shielded patch cable to connect the POE port on the POE power supply to the airCube’s gray “24V POE In”. Note that the LAN port on the POE will remain empty.
- Plug the member’s CPE radio Ethernet cable in to the airCube’s blue WAN port.
- Use ports 2 and 3 for any local Ethernet networks.
- Using black electrical tape, tape over the Reset button hole.

Update Yellow Tips Sheet:

- Enter info at bottom of yellow Tips sheet and hand to member.