

UniFi Wifi Mesh Setup

1. Install controller
 - A. Make sure it's behind cable modem/router directly instead of separate wifi router. The cable modem/router will be providing primary IP addresses. UniFi should be only wifi system in use but if not, pay attention to IP addresses
2. Launch Ubiquiti Device Discovery Tool (need download link here)
 - A. In tool, click upper right hand corner button "UniFi Family"
 - B. Click "Find Cloud Key"
 - C. Once controller found, click the IP address link. It launches browser and opens web interface. Accept security warning.
3. For setup of controller, select "Configure" button (second option). After setup, "Manage" button will be used.
4. Login the first time with ubnt/ubnt
5. Modal window requires password change for the device when managed locally. Enter default password "ubnt" for old password and "@ccess1234\$" for new password. (Can't use Diocese IT password of "@ccess1234!" because it's not strong enough)
6. Click "Configuration" and select appropriate time zone. Apply changes.
7. Select Maintenance and Check For Firmware Updates. Apply firmware updates. Wait for reboot.
8. Once logged back in (ubnt/@ccess1234!\$), Select Maintenance and Check for Unifi Controller Software updates. Apply updates. Wait for reboot.
9. In upper right corner, click Username dropdown and select Change Username. Change username to "diopt" to reflect username we use. Not required but keeping consistency.
10. Logout
11. Clear browser address bar and enter IP address of controller only to return to main landing page.
12. Select "Manage" - first choice
13. Walk through setup wizard. Skip past configure devices (WAPs) for now.
14. Setup an initial wifi SSID. Set password. I've been using "wack2017". Not critical as everything can easily be changed later.
15. Controller Access screen
 - A. Admin Name - diopt
 - B. Admin Password - @ccess1234!\$
 - C. Admin Email - itsupport@ptdiocese.org
 - D. Device Administration (for SSH purposes)
 - a. Username - admin
 - b. Password - @ccess1234! (No \$. Password must be different)
 - E. Confirm. Finish.
16. Cloud Login Credentials modal screen
 - A. Email - itsupport@ptdiocese.org
 - B. Password - @ccess1234! (No \$)
 - C. Enable Cloud Access
17. Login - itsupport@ptdiocese.org/@ccess1234! (No \$ bc it's a local access)
18. At the Dashboard
19. Bottom left of screen click Settings cogs
 - A. Submenu:
 - a. Site (first screen)
 1. Change site name to parish name
 2. Apply changes

- b. Wireless Networks
 - 1. Add/edit/delete wifi networks (vlans) here.
 - 2. Selecting edit will allow you to change wifi passwords.
- c. Guest Control
 - 1. Selecting Enable Guest Portal brings up settings for the guest portal (TBD)
- d. Services
 - 1. Hotspot 2.0 (TBD)
- e. Controller - set name of the controller to parish name
- f. Admins
 - 1. Add/edit/delete admins here.
 - 2. Selecting edit will allow you to change admin passwords.
- a. Cloud Access
 - 1. Make sure Enable Cloud Access is on.
- b. Maintenance
 - 1. Bunch of options here.
 - A. Logging settings
 - B. Backups
 - C. Firmware and Controller Software updating
 - D. Restart cloud key - use if the site does not appear on <http://unifi.ubnt.com>

Mesh WAP Installation and Configuration

1. Setup First, Hardwired Mesh WAP
 - A. Unpack
 - B. Make note of MAC address
 - C. Connect directly to cable modem/router
 - D. Go to Controller IP address, click Manage, and login
 - E. Click Devices in left hand menu
 - F. MAC address of device in list should match.
 - G. Click Adopt
 - a. Wait for adoption, provisioning cycle to finish.
 - b. "Connected" = successfully online
 - H. Click device MAC address to open right modal window
 - a. Modal window is where all the configuration happens
 1. Details = info
 2. Clients = wifi devices
 3. Config
 - A. General
 - a. Alias = familiar device name (really handy to name where location of WAP). I used last 4 characters of MAC address + location name
 - B. Leave others alone unless you know what you're doing. The UniFi system uses dynamic mesh.
 4. Top right corner has restart button if needed
 - b. Upgrade = device firmware upgrade
2. Setup additional wireless WAP(s).
 - A. I recommend doing this in very close proximity to hardwired Mesh WAP from above.
 - B. Unpack
 - C. Make note of MAC address
 - D. In Controller, wait for device to appear

- E. Adopt device
- F. Rename device.
- G. Upgrade firmware
- H. Deploy to locations