Omada Bridge Kit Unofficial Guide

Notes on operation and Complete installation Guide

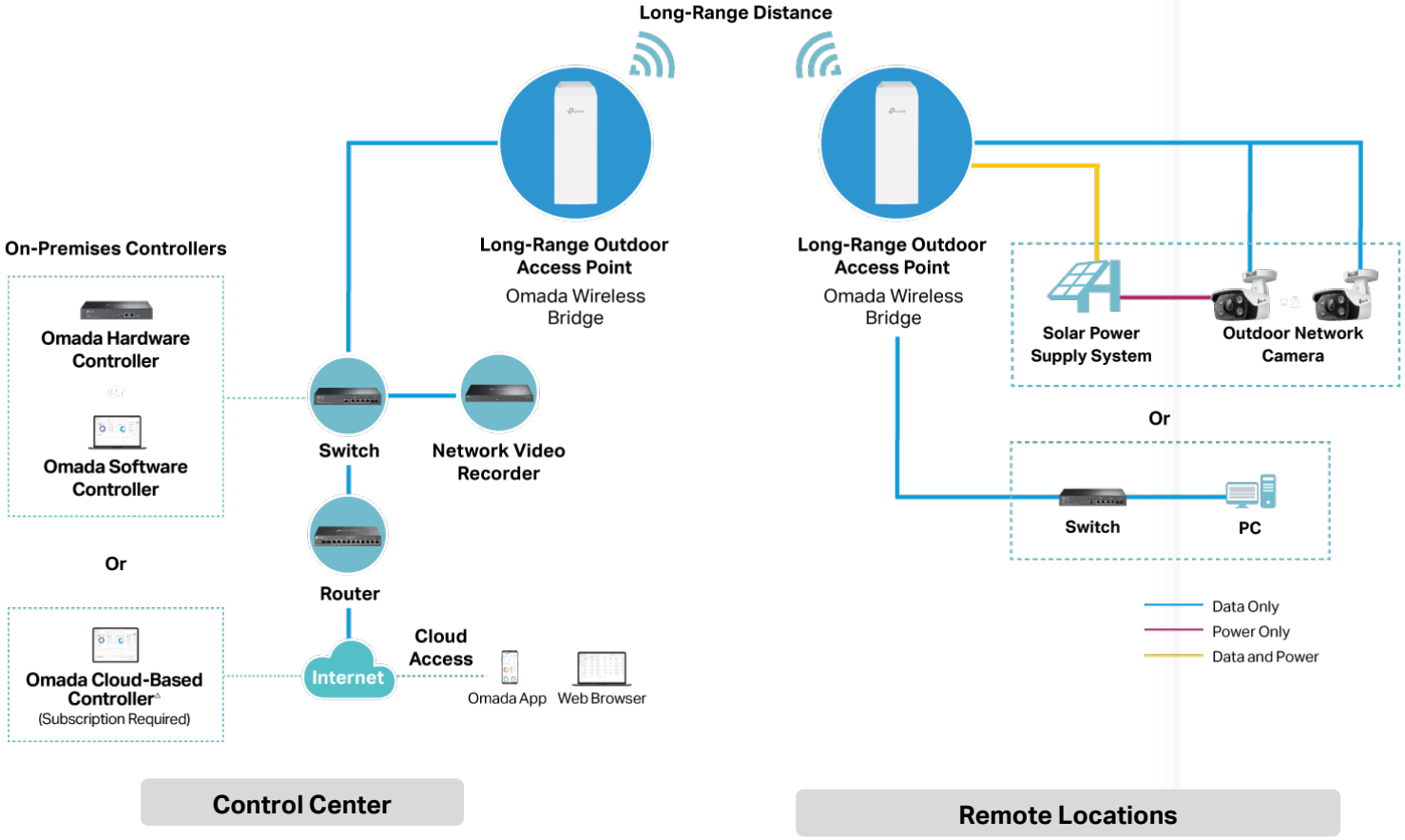
Summary

- Auto pairing:
  - The kit is auto-pairing, meaning two EAPs will be connected out of the box.
  - One “Main AP” can support 4 client EAPs.
  - Unpacking and setting up a pair will take less than 8 minutes through the Omada App.
  - When the uplink EAP (wired to the main network) is adopted by the controller, the downlink EAP (from the same box) will be adopted automatically after two minutes. Other wireless EAPs can be added to the wired AP.

- Considerations:
  - Users must connect the main EAP to a network with a DHCP server. It can be as simple as a wired or wireless router.
  - When using the bridge in standalone mode (App or GUI), all EAPs must be initialized to set up the login account and SSID password.

Installation Topology

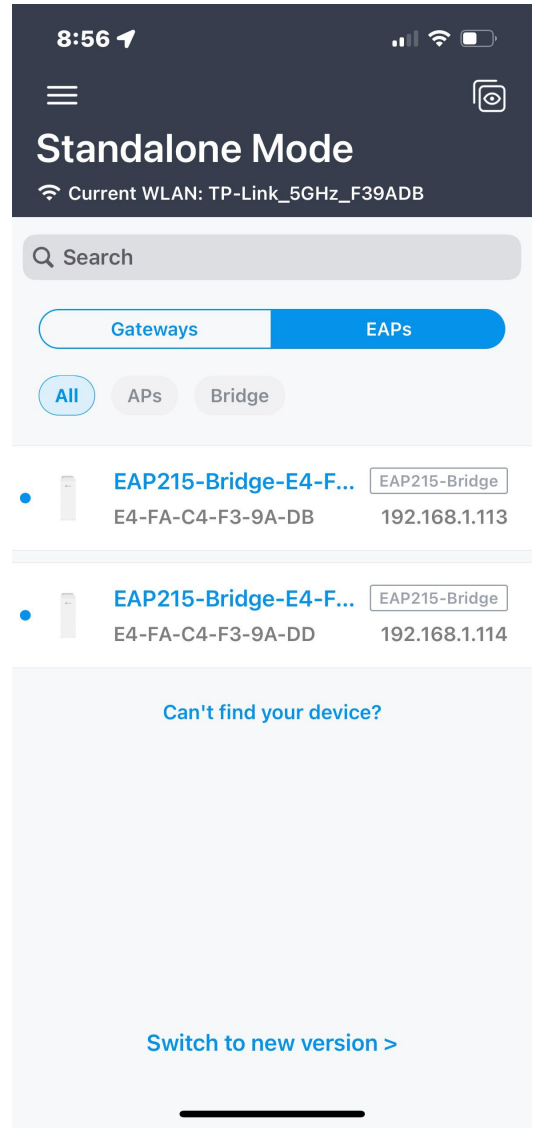
Model	Wi-Fi Speed	Max Range	Ethernet Ports
EAP215-Bridge KIT	AC867	5km+	3× Gigabit
EAP211-Bridge KIT	AC867	1km+	3× Gigabit
EAP115-Bridge KIT	N300	5km+	3× 10/100 Mbps



- **Centralized Multi-Site Management**
- **Auto-Pairing**
- **Waterproof & Dustproof & 6KV Lightning Protection**
- **Flexible DC + Passive PoE Power Supply**

Setup in Standalone Mode

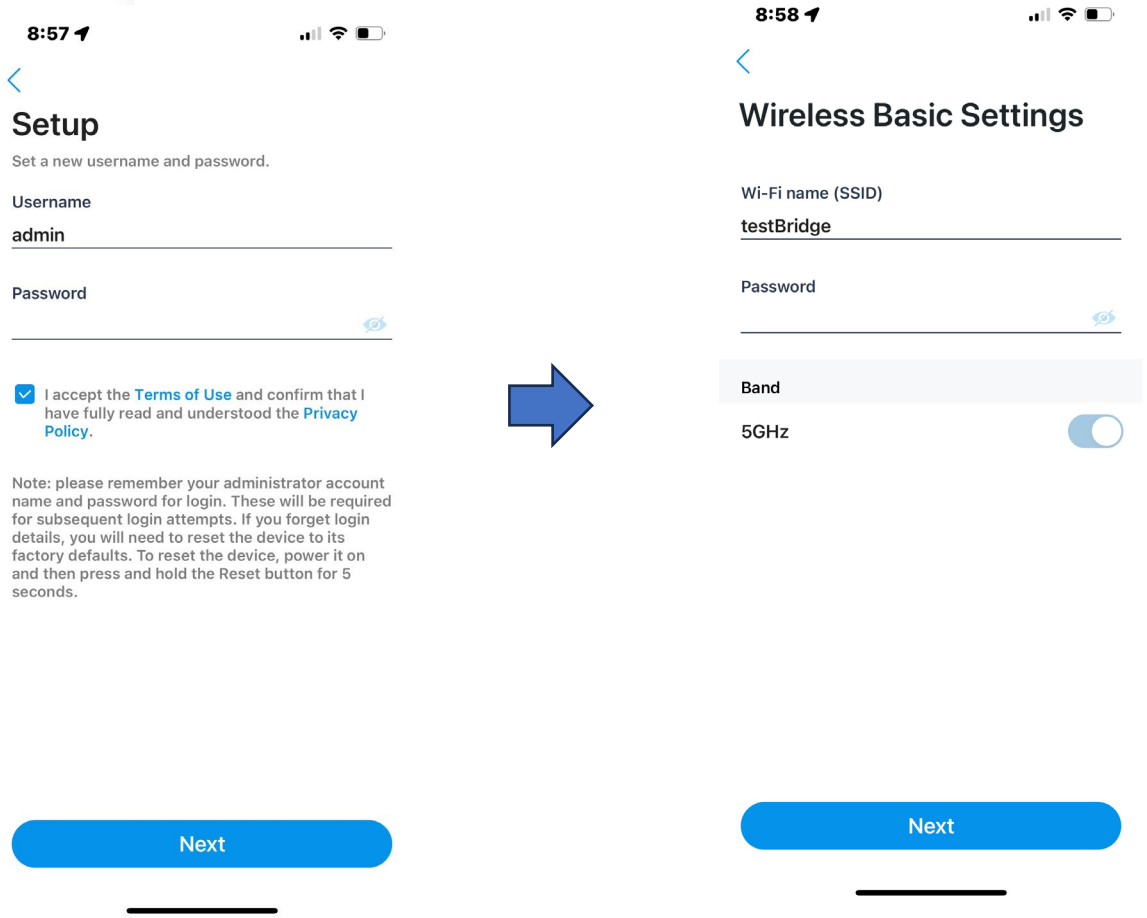
1. Connect one EAP to the network with DHCP server. This EAP becomes “Main AP”.
2. Connect to the SSID of the “Main AP”, or the current wireless network that the “Main AP” is connected to.
3. Open the Omada App and tap on the “Stand Alone” mode. And then “EAP”



Setup in Standalone Mode

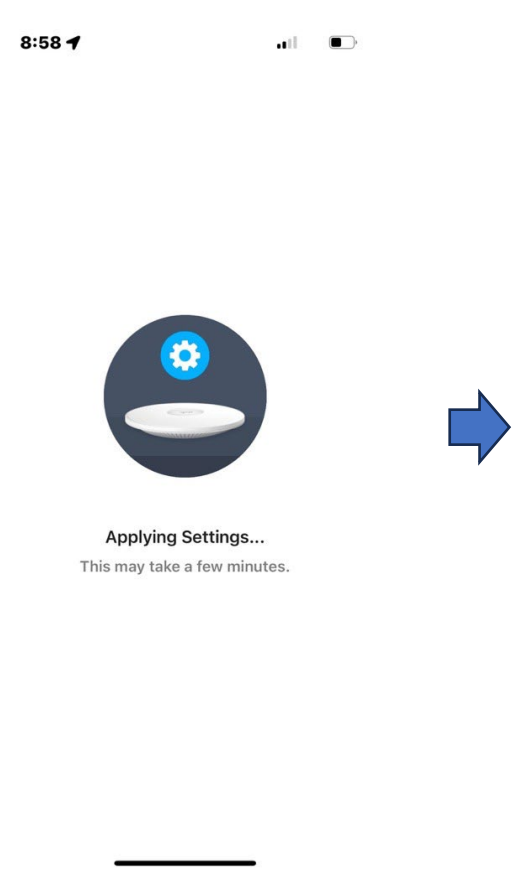
4. Tap on the EAP that is connected by wire (check the last 4 characters of the MAC address).

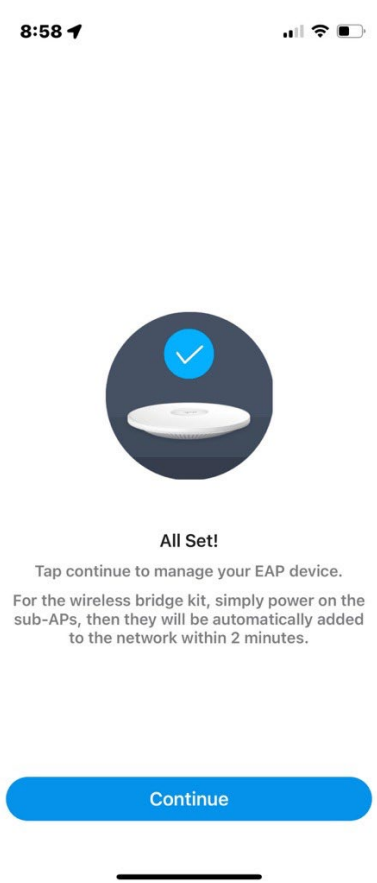
5. Follow the prompts to set up a login account and create a new SSID with a Password.

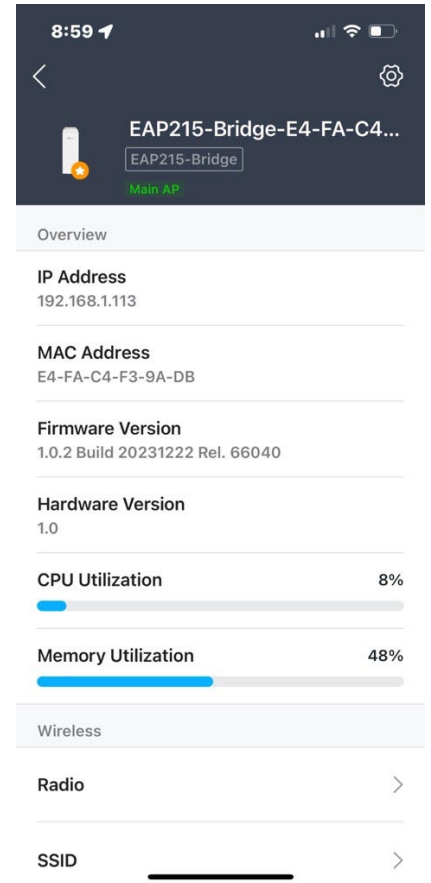


Setup in Standalone Mode

Wait until the
setup is finished





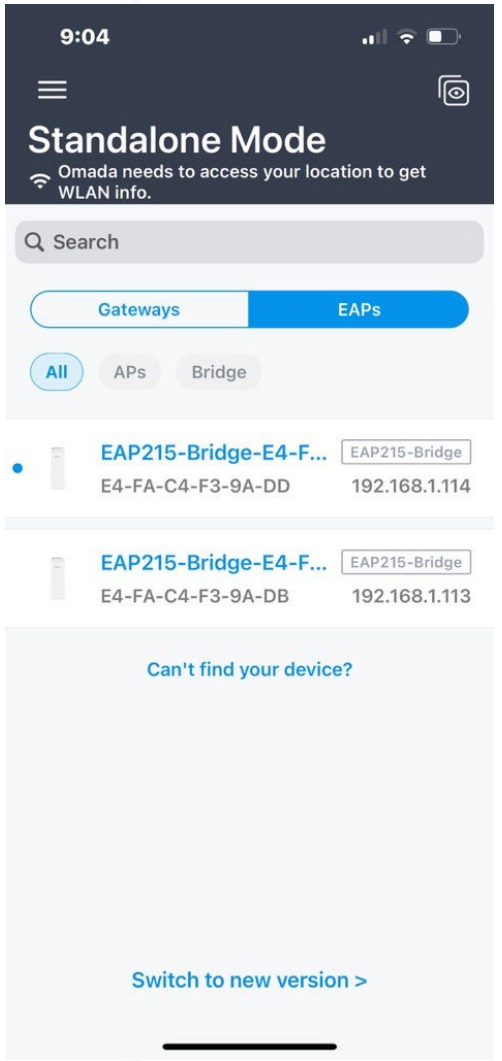


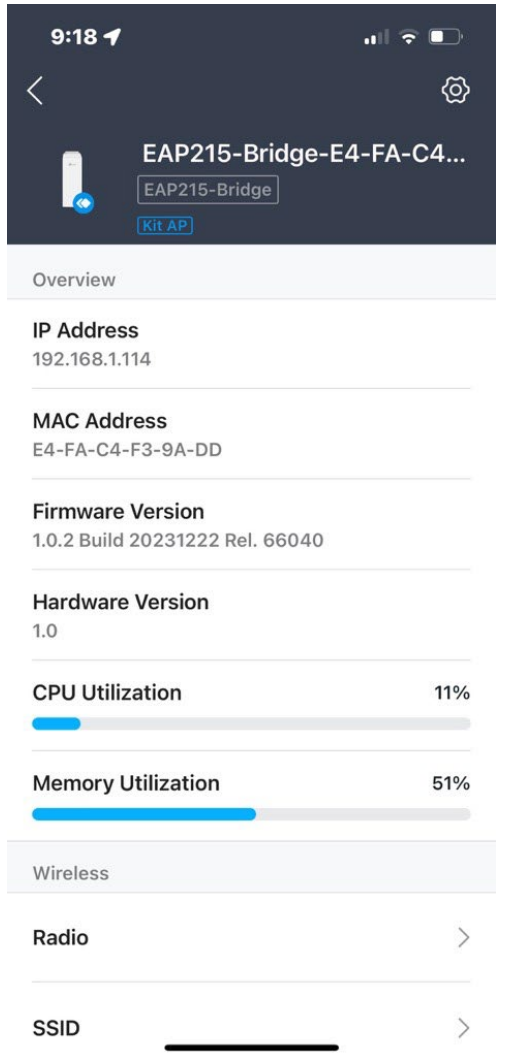
Setup in Standalone Mode

The blue dot, left of the device means the device must be initialized.

6. Follow the same process to initialize the “Kit AP” (the other AP in the box).

*. No step is required to connect main AP and Kit AP

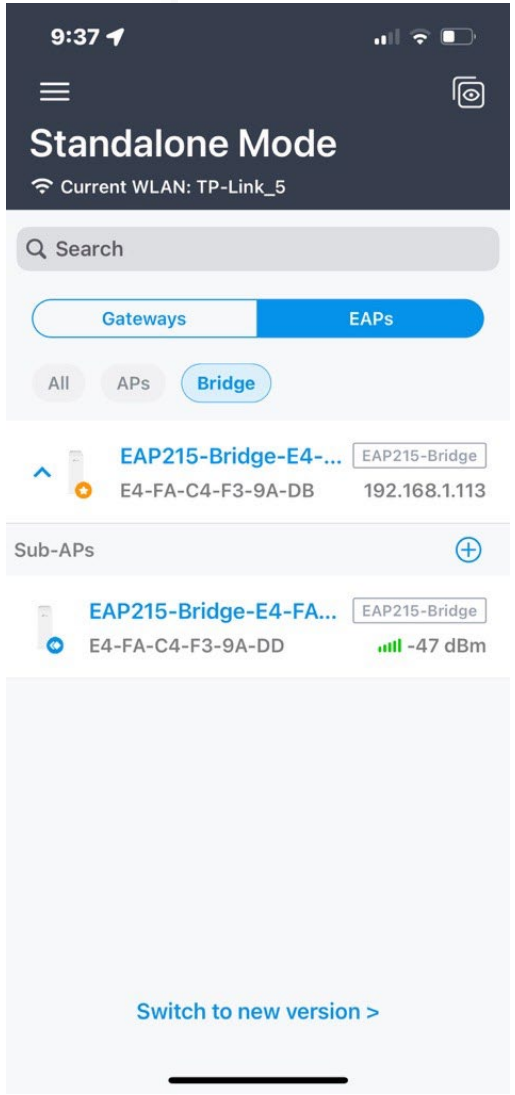




Adding more client EAPs in Standalone Mode

Main AP can support up to 4 clients for P2MP solution.
To add more EAPs from other boxes, follow these steps:

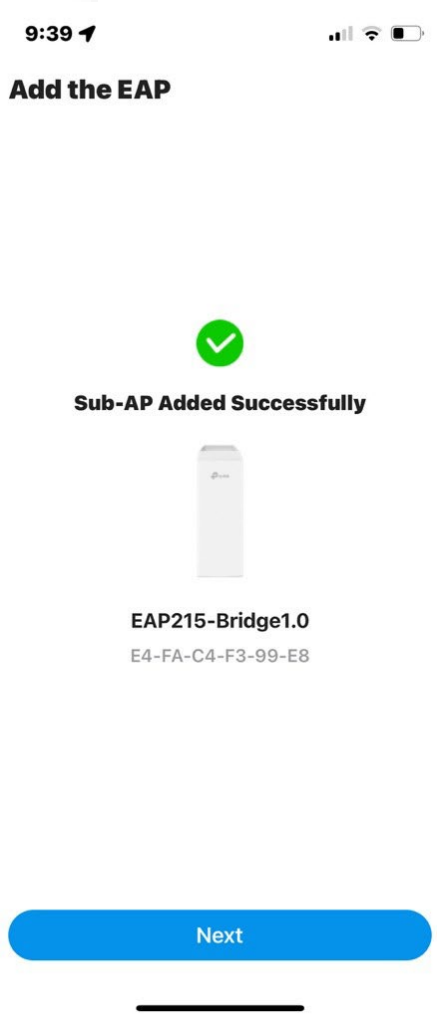
1. Navigate to the Bridge Tab and tap on the + sign below the Main AP.
2. The Main AP starts to scan the environment

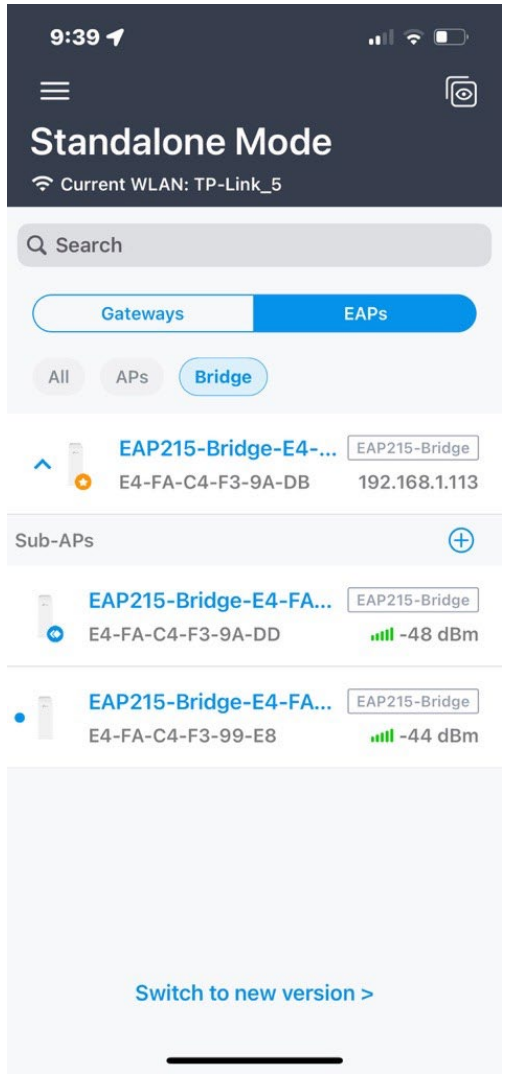


Adding more client EAPs in Standalone Mode

3. It will show you the discovered device. Tap next to add the device.

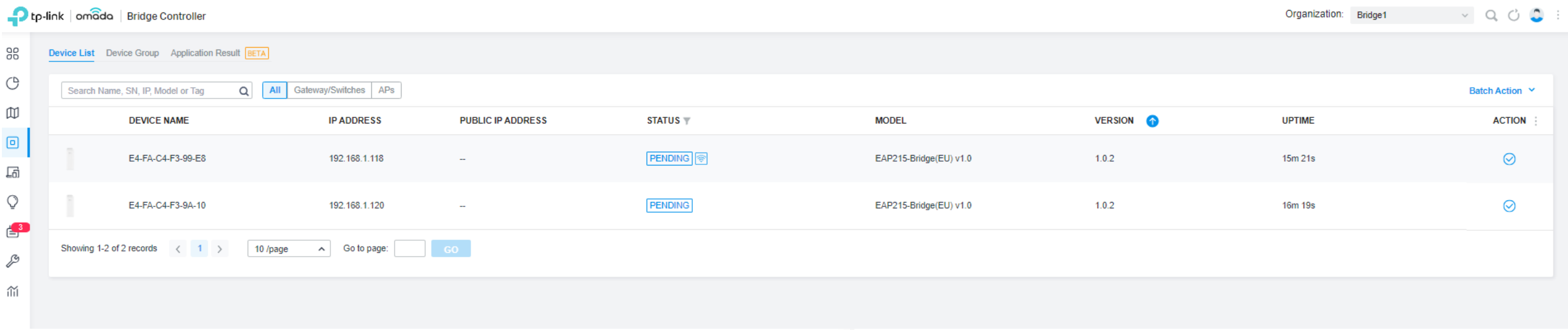
4. Sub-AP will be added. Don’t forget to tap on the new Sub-AP (with blue dot), to initialize it.





Setup in the Controller Mode

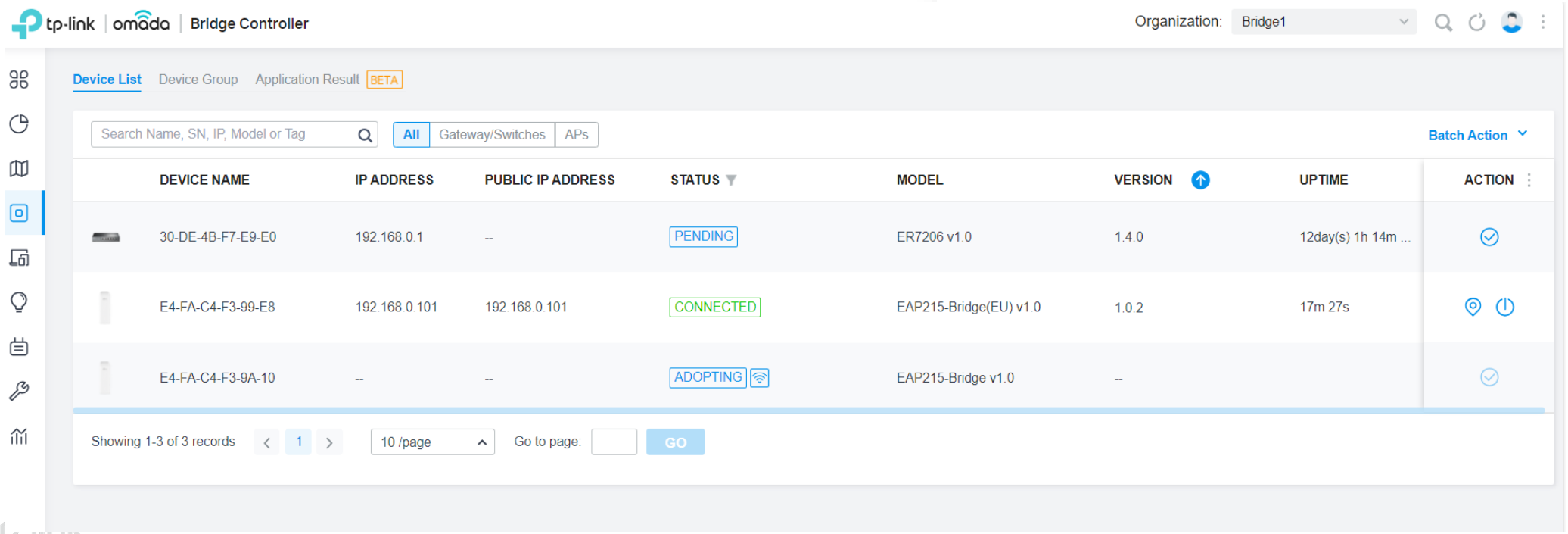
1. As of 12th Feb 24, OC200 and OC300 need new firmware to support the EAP Bridge Kit (Controller V 5.13 above). Setup can be done by software controller or CBC.
2. After connecting one EAP to the main network and powering the other EAP, both will be discovered on the controller.



Setup in the Controller Mode

3. Click on the “Adopt” for the EAP without wireless sign (it is wired to the network).

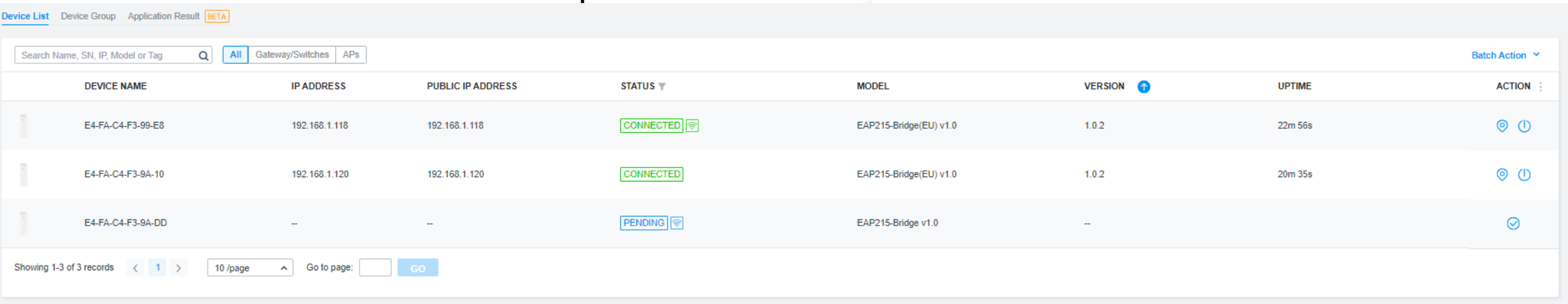
4. After adoption, the wireless EAP will be adopted automatically.



Setup in the Controller Mode

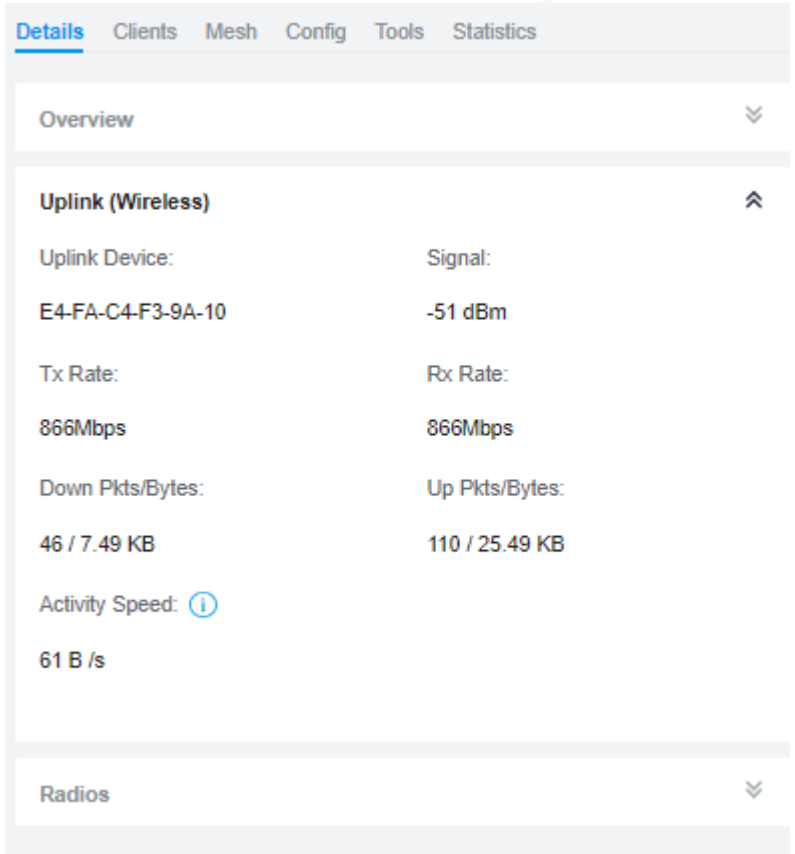
- Adding more EAPs
- The adoption of the second Client EAP (downlink) is not automatic (third EAP onwards).

1. Click on Adopt.
2. Select the Main AP to adopt.



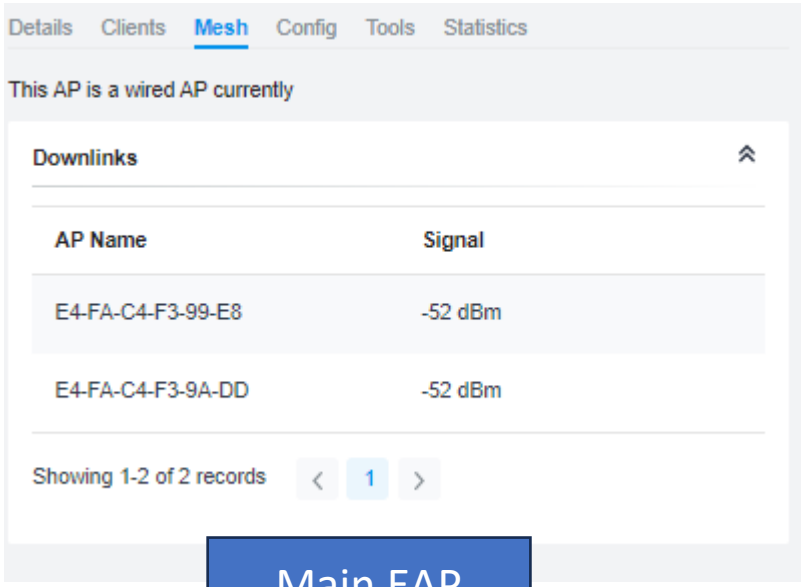
Check status in Controller Mode

- Click on each Client EAP, “Details” -> “Uplink” shows the connection status.

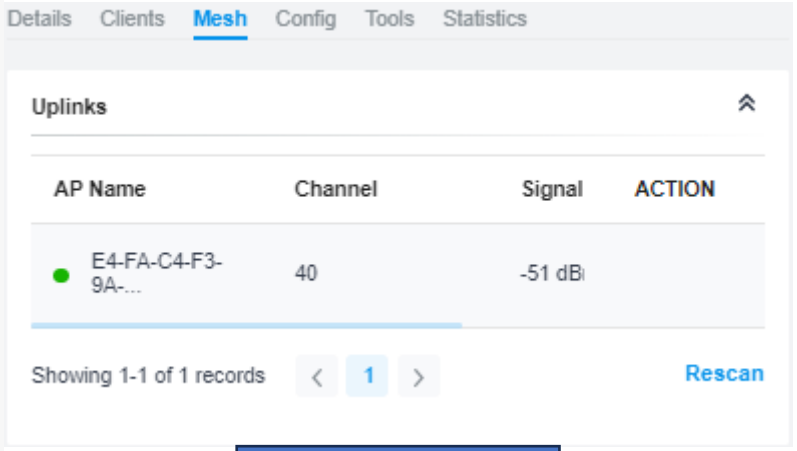


Check status in Controller Mode

- The Mesh menu can also show the status.



Main EAP



Client EAP

Final notes

As the controller initializes devices, no further step is required to set up devices after adoption, such as disabling the open SSID.

Setup can be done through logging into the web interface of each EAP in standalone mode. You can watch the setup guide below:
TP-Link | Omada Tutorial | How to Set Up the EAP Bridge KIT (EAP215 Bridge KIT for demonstration) (youtube.com)

Please contact us if you have further questions.

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