

# Omada Bridge Kit Unofficial Guide

Notes on operation and Complete installation Guide



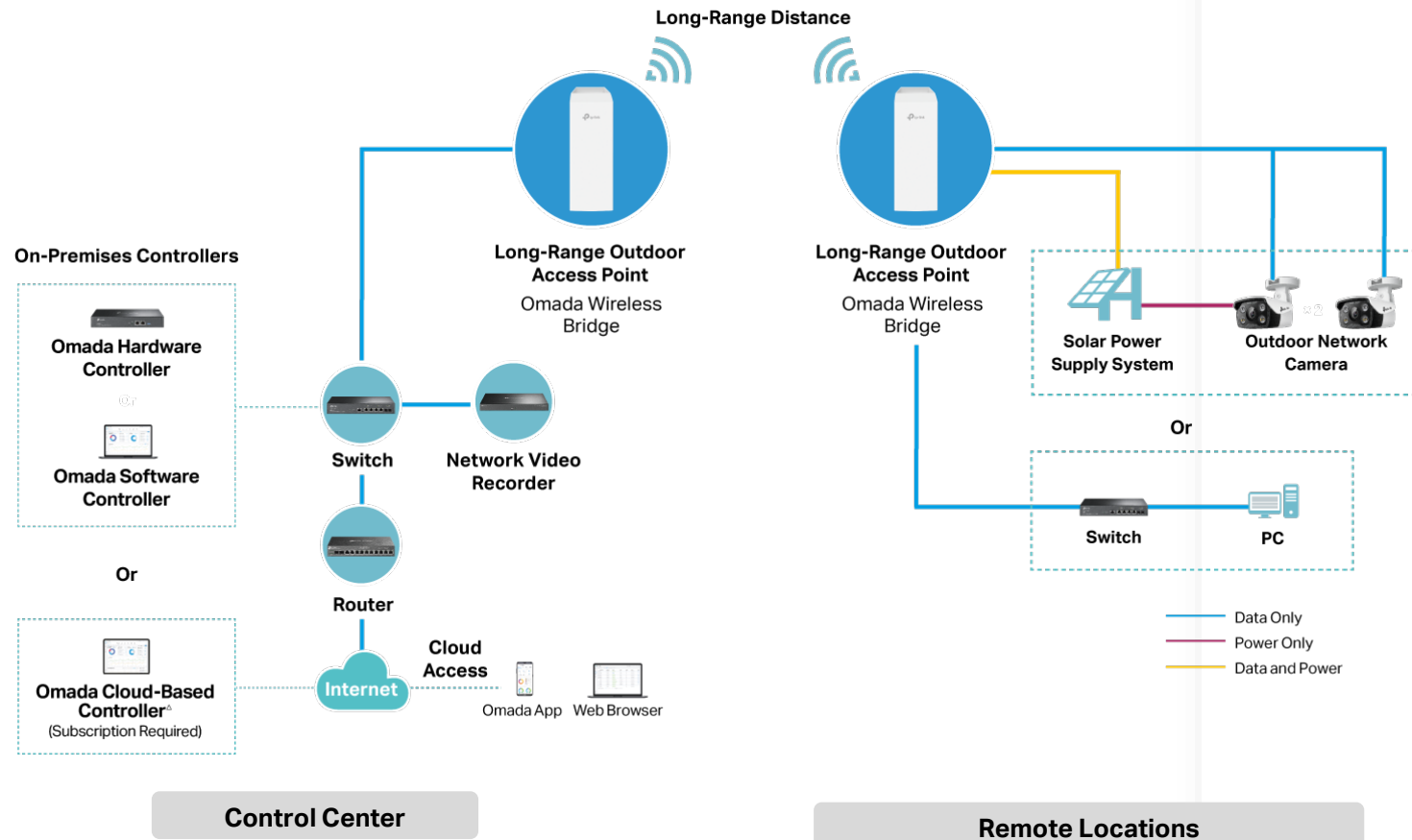


# Summary

- 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**



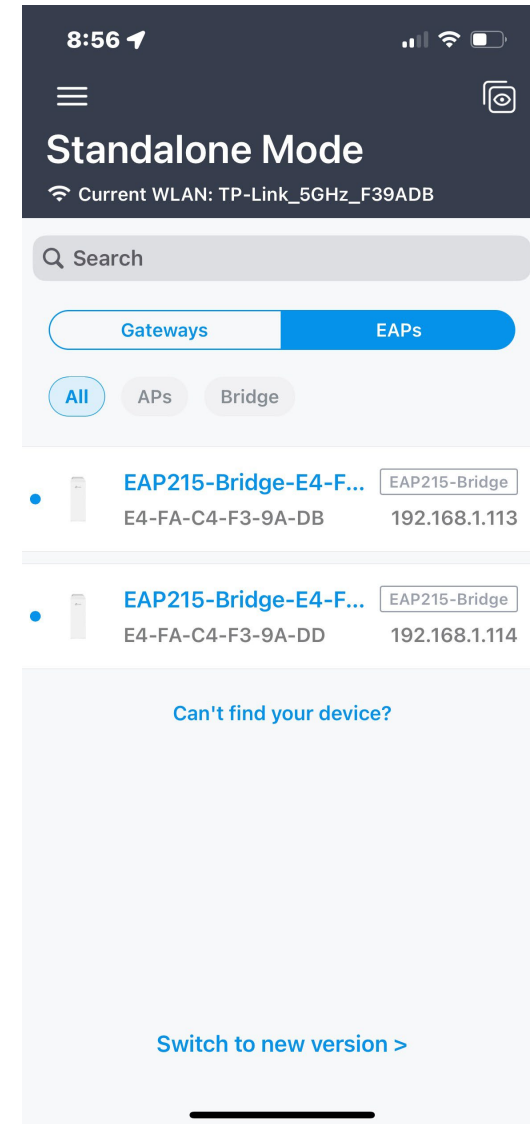
**Waterproof & Dustproof & 6KV Lightning Protection**



**Flexible DC + Passive PoE Power Supply**

# Setup in Standalone Mode

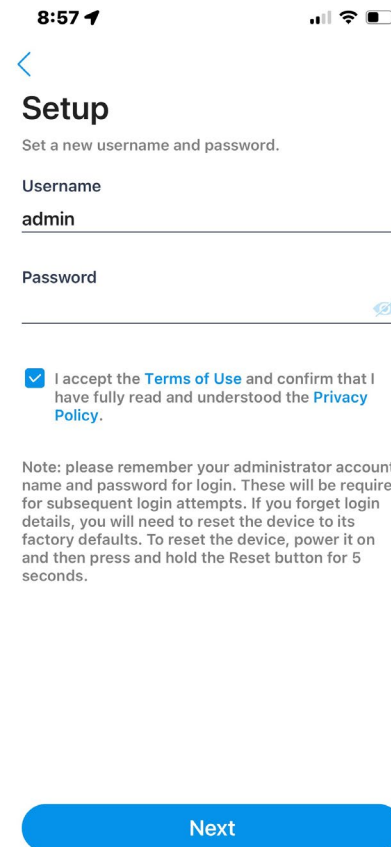
1. Connect one EAP to the network with DHCP server. This EAP becomes “Main AP”.
2. Connect to the SSID of the “Main AP”, or the current wireless network that the “Main AP” is connected to.
3. Open the Omada App and tap on the “Stand Alone” mode. And then “EAP”



# 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.



8:57

Setup

Set a new username and password.

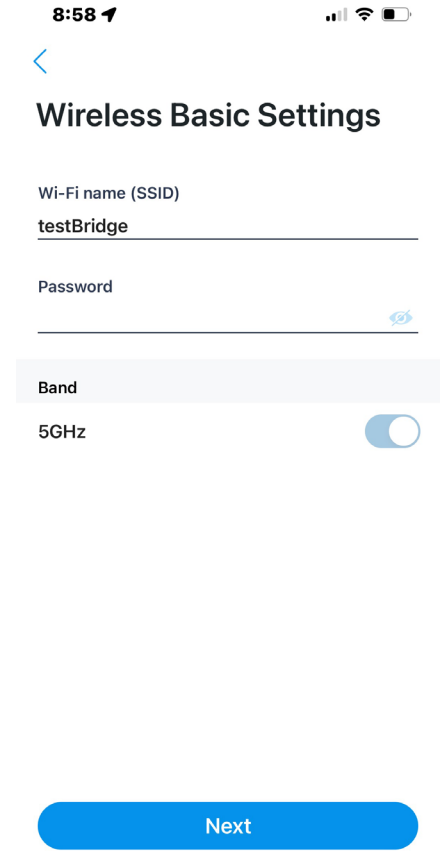
Username  
admin

Password

I accept the [Terms of Use](#) and confirm that I have fully read and understood the [Privacy Policy](#).

Note: please remember your administrator account name and password for login. These will be required for subsequent login attempts. If you forget login details, you will need to reset the device to its factory defaults. To reset the device, power it on and then press and hold the Reset button for 5 seconds.

Next



8:58

Wireless Basic Settings

Wi-Fi name (SSID)  
testBridge

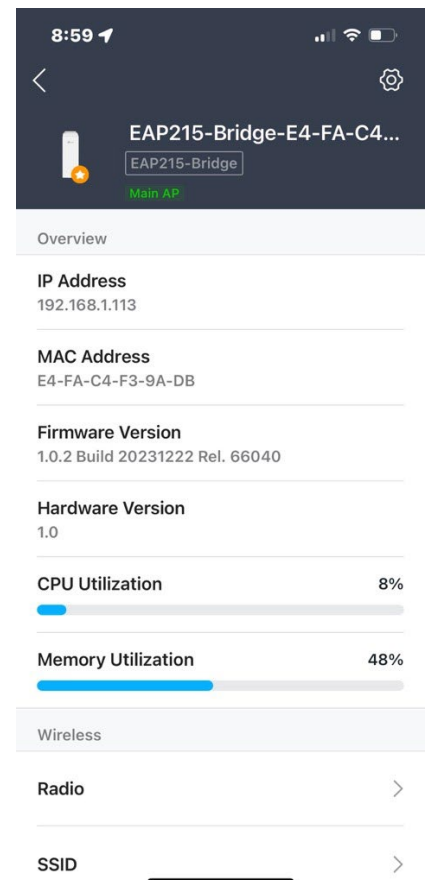
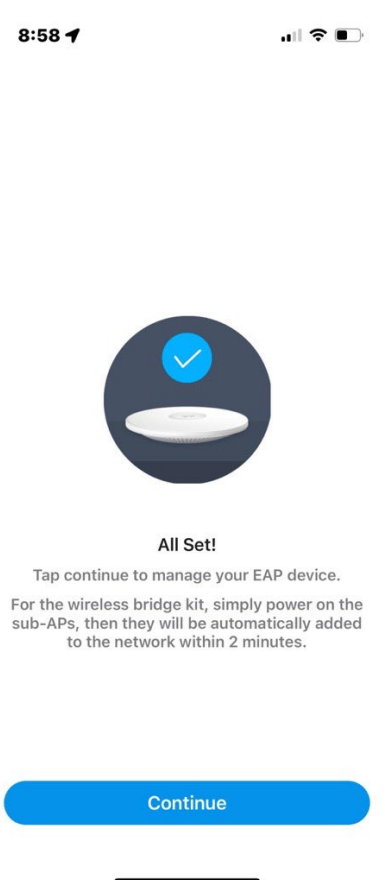
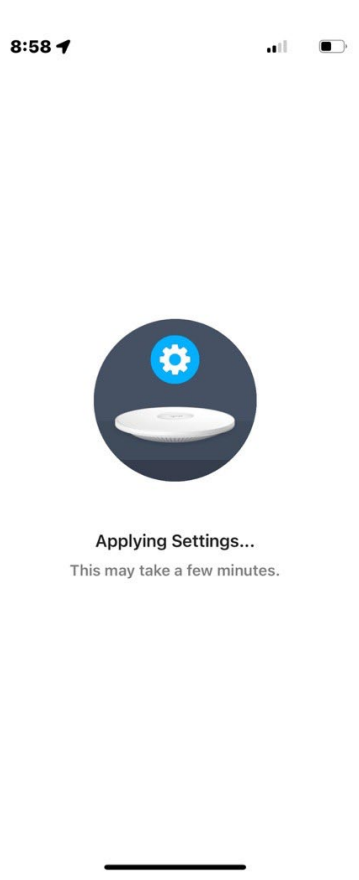
Password

Band  
5GHz

Next

# Setup in Standalone Mode

Wait until the setup is finished

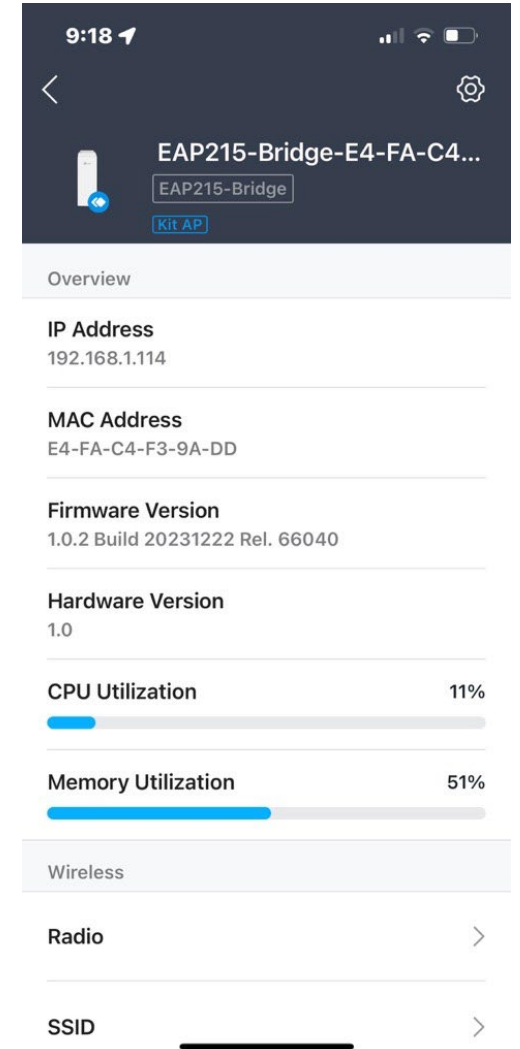
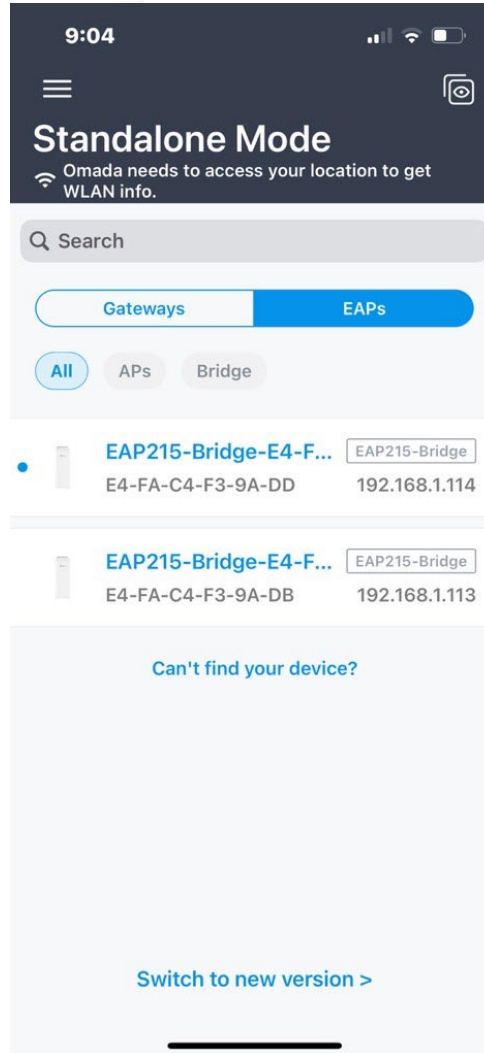


# Setup in Standalone Mode

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

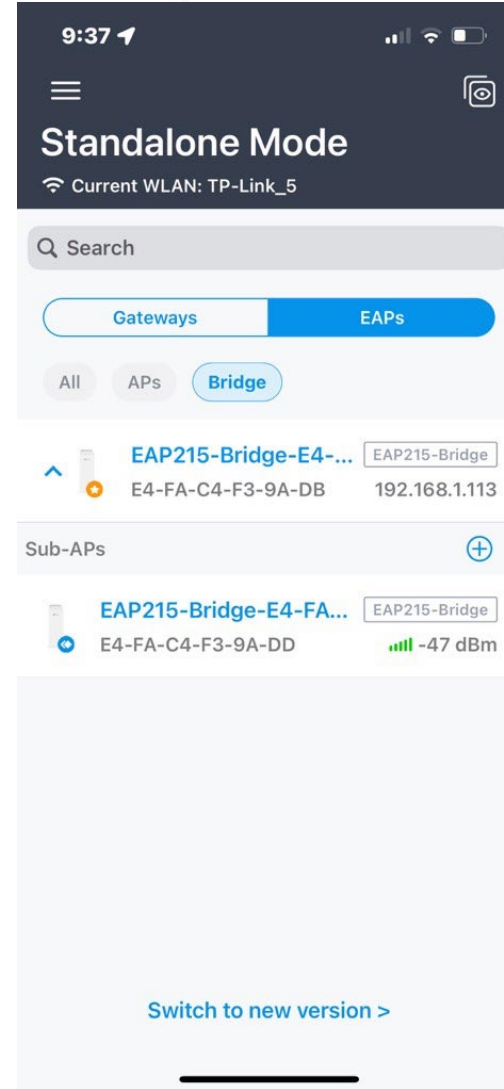


# Adding more client EAPs in Standalone Mode

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.

9:39  
Add the EAP

Sub-AP Added Successfully

EAP215-Bridge1.0  
E4-FA-C4-F3-99-E8

Next

9:39

## Standalone Mode

Current WLAN: TP-Link\_5

Search

Gateways EAPs

All APs Bridge

EAP215-Bridge-E4-... EAP215-Bridge  
E4-FA-C4-F3-9A-DB 192.168.1.113

Sub-APs

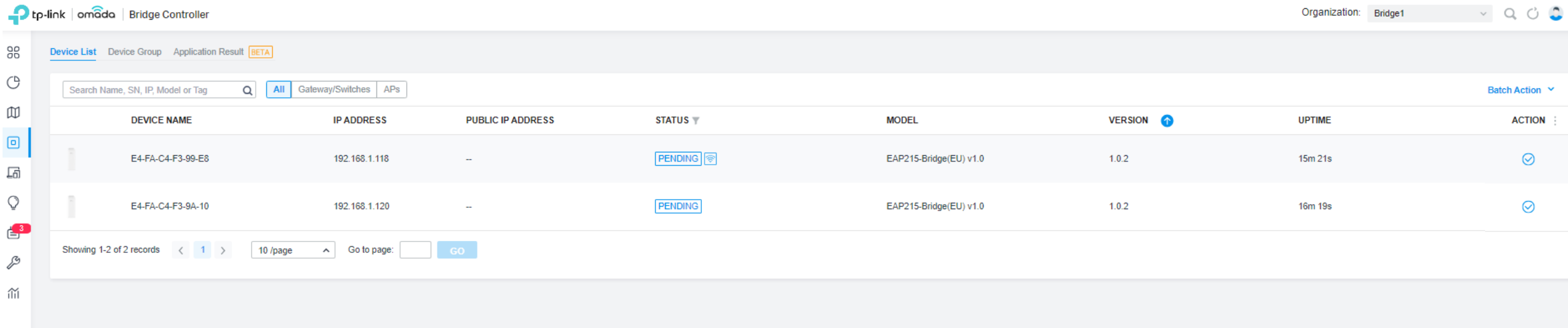
EAP215-Bridge-E4-FA... EAP215-Bridge  
E4-FA-C4-F3-9A-DD -48 dBm

EAP215-Bridge-E4-FA... EAP215-Bridge  
E4-FA-C4-F3-99-E8 -44 dBm

Switch to new version >

# Setup in the Controller Mode

1. As of 12<sup>th</sup> 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.

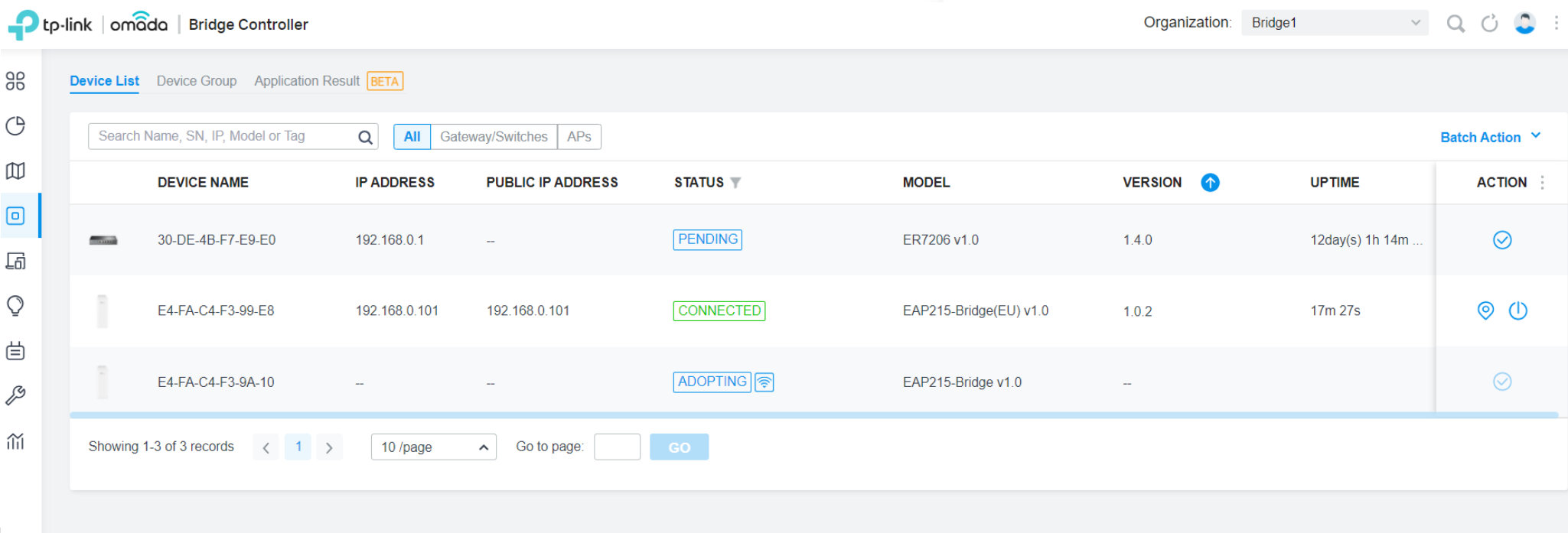


The screenshot displays the Bridge Controller interface for an organization named 'Bridge1'. The 'Device List' tab is active, showing a table of discovered devices. The table has columns for Device Name, IP Address, Public IP Address, Status, Model, Version, Uptime, and Action. Two devices are listed, both with a 'PENDING' status and a 'v1.0' version. The interface includes a search bar, filter buttons for 'All', 'Gateway/Switches', and 'APs', and a 'Batch Action' dropdown. The bottom of the table shows pagination information: 'Showing 1-2 of 2 records', '1' page selected, '10 /page', and a 'GO' button.

DEVICE NAME	IP ADDRESS	PUBLIC IP ADDRESS	STATUS	MODEL	VERSION	UPTIME	ACTION
E4-FA-C4-F3-99-E8	192.168.1.118	--	PENDING	EAP215-Bridge(EU) v1.0	1.0.2	15m 21s	✓
E4-FA-C4-F3-9A-10	192.168.1.120	--	PENDING	EAP215-Bridge(EU) v1.0	1.0.2	16m 19s	✓

# 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.



The screenshot displays the tp-link omada Bridge Controller interface. The top navigation bar includes the tp-link and omada logos, the text "Bridge Controller", and the organization name "Bridge1". The main content area shows a "Device List" tab with a search bar and filters for "All", "Gateway/Switches", and "APs". A table lists three devices with columns for Device Name, IP Address, Public IP Address, Status, Model, Version, Uptime, and Action.

DEVICE NAME	IP ADDRESS	PUBLIC IP ADDRESS	STATUS	MODEL	VERSION	UPTIME	ACTION
30-DE-4B-F7-E9-E0	192.168.0.1	--	PENDING	ER7206 v1.0	1.4.0	12day(s) 1h 14m ...	✓
E4-FA-C4-F3-99-E8	192.168.0.101	192.168.0.101	CONNECTED	EAP215-Bridge(EU) v1.0	1.0.2	17m 27s	📍 ⏻
E4-FA-C4-F3-9A-10	--	--	ADOPTING	EAP215-Bridge v1.0	--		✓

Showing 1-3 of 3 records | 10 /page | Go to page: [ ] GO

# 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.

Device List Device Group Application Result BETA

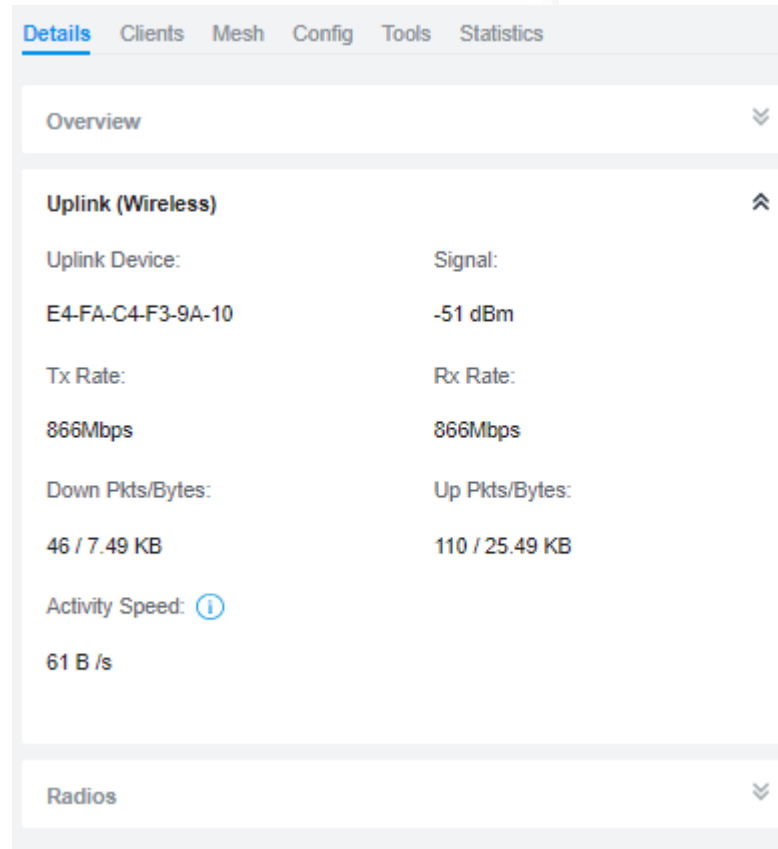
Search Name, SN, IP, Model or Tag   Gateway/Switches APs Batch Action

DEVICE NAME	IP ADDRESS	PUBLIC IP ADDRESS	STATUS	MODEL	VERSION	UPTIME	ACTION
E4-FA-C4-F3-99-E8	192.168.1.118	192.168.1.118	CONNECTED	EAP215-Bridge(EU) v1.0	1.0.2	22m 56s	
E4-FA-C4-F3-9A-10	192.168.1.120	192.168.1.120	CONNECTED	EAP215-Bridge(EU) v1.0	1.0.2	20m 35s	
E4-FA-C4-F3-9A-DD	--	--	PENDING	EAP215-Bridge v1.0	--		

Showing 1-3 of 3 records   Go to page:

# Check status in Controller Mode

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



The screenshot displays the 'Details' page for a client in the Controller Mode. The 'Uplink (Wireless)' section is expanded, showing the following information:

Uplink Device:	Signal:
E4-FA-C4-F3-9A-10	-51 dBm
Tx Rate:	Rx Rate:
866Mbps	866Mbps
Down Pkts/Bytes:	Up Pkts/Bytes:
46 / 7.49 KB	110 / 25.49 KB
Activity Speed: ⓘ	
61 B /s	

# Check status in Controller Mode

- The Mesh menu can also show the status.

Details Clients **Mesh** Config Tools Statistics

This AP is a wired AP currently

Downlinks ⤴

AP Name	Signal
E4-FA-C4-F3-99-E8	-52 dBm
E4-FA-C4-F3-9A-DD	-52 dBm

Showing 1-2 of 2 records < 1 >

Main EAP

Details Clients **Mesh** Config Tools Statistics

Uplinks ⤴

AP Name	Channel	Signal	ACTION
<span style="color: green;">●</span> E4-FA-C4-F3-9A-...	40	-51 dBm	

Showing 1-1 of 1 records < 1 > [Rescan](#)

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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