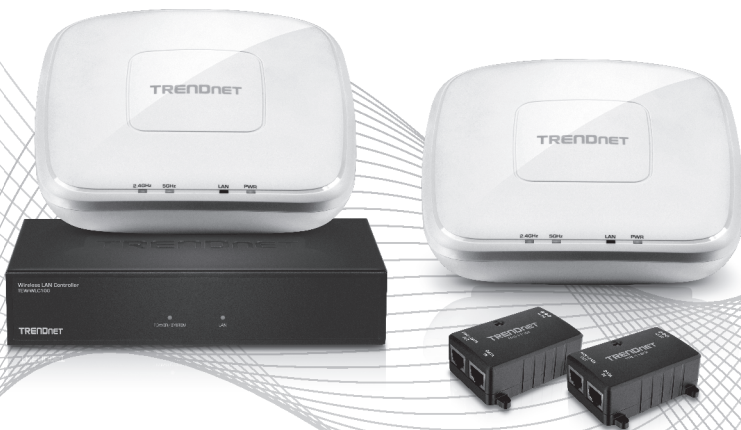


# TRENDnet<sup>®</sup>



## Quick Installation Guide

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### TEW-755AP2KAC (V1) / TEW-821DAP2KAC (V1)

# Table of Content

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## **1 English**

1. Before You Start
2. Hardware Installation and Configuration
3. Connect your wireless access points

# 1. Before You Start

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## Package Contents

- 1 x TEW-WLC100 wireless LAN controller
- 2 x TEW-755AP N300 PoE access points or TEW-821DAP AC1200 dual band PoE access points
- 2 x TPE-113GI 802.3af Gigabit PoE injectors
- 2 x Network cables (1.5 m / 5 ft.)
- TEW-WLC100 power adapter (12V DC, 1A)
- Quick Installation Guide
- CD-ROM (User's Guide)
- Controller rack mount kit
- Access point mounting plates

## Minimum Requirements

- Computer with an Ethernet port and web browser
- Network cable for computer connection to controller
- Network cables for access point connections to PoE injectors

## Optional Equipment

- EIA standard 19" rack
- Power drill/drill bits and Phillips bit or screwdriver for mounting

**Important Note:** Make sure your existing network is using a DHCP server to distribute IP addresses to the access points. By default, TRENDnet access points listed below will obtain an IP address automatically through DHCP or otherwise default back to 192.168.10.100 / 255.255.255.0 if a DHCP server is not available on your network. Each access point must be assigned a unique IP address on the same network. The wireless controller and access points must be connected to the same IP subnet on your network (e.g. 192.168.10.x / 255.255.255.0).

## Access Point Compatibility

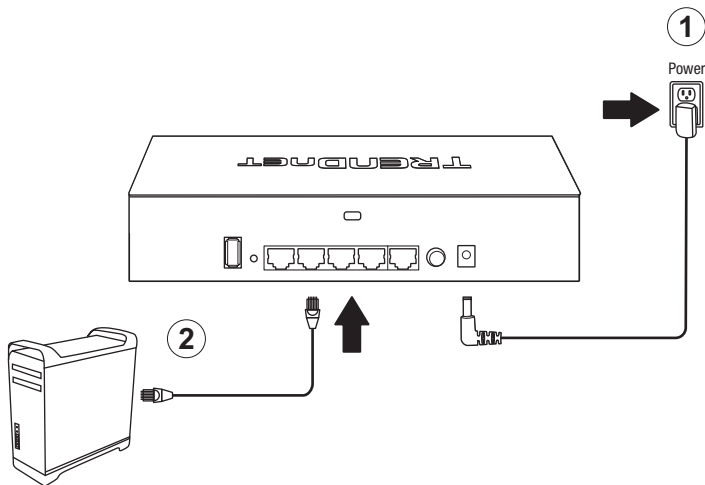
By default, the access points included in this kit are controller ready. For any additional access points, please refer to the access point model compatibility list below and controller compatible firmware version. You can download the access point's firmware from <http://www.trendnet.com/support> which include instructions on how to upgrade the firmware.

Before any additional access points are added to the wireless controller, make sure to reset the access points to factory default.

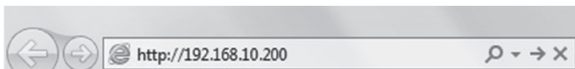
Access Point Model	Description	Controller Compatible Firmware Version
TEW-755AP	N300 PoE Access Point	1.03 or above
TEW-821DAP	AC1200 Dual Band PoE Access Point	1.05 or above
TEW-825DAP	AC1750 Dual Band PoE Access Point	1.01 or above

## 2. Initial Controller Setup

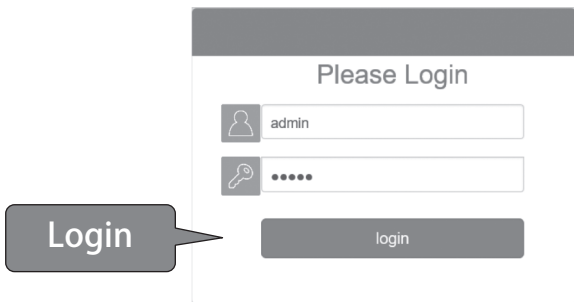
**Note:** Before connecting the wireless controller to the network and connecting other devices such as PoE injectors or access points, follow the steps to set up your controller IP address settings and administrator password first.



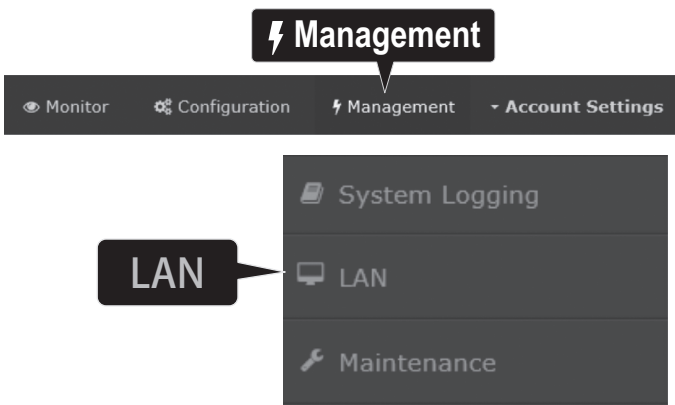
3. Assign a Static IP address to your computer's network adapter in the subnet of **192.168.10.x** (e.g. 192.168.10.25) and a subnet mask of **255.255.255.0**.
4. Open your web browser, type the default IP address of the wireless controller in the address bar, and then press **Enter**. The default IP address is **192.168.10.200**.



5. Enter the **User name** and **Password**, and then click **Login**. By default:  
User Name: **admin**  
Password: **admin**



6. Click **Management** and click on **LAN**.



7. Configure the wireless controller IP address settings to match the requirements of your network and click **Apply**.

LAN Settings TEW-WLC100

Network Settings

IP Address

Netmask

Gateway

DNS1

DNS2

**Apply**

8. To change the controller administrator password, click **Account Settings** and click **Edit**.

▼ **Account Settings**

Monitor Configuration Management **Account Settings**

Admin Administrator

**Edit**

9. In the **New Password** and **Confirm Password** fields, enter the new administrator password and click **OK** to save the new password settings. You will be prompted immediately afterwards to login to the controller management page with the new password.

Username  
admin

\*Passwords can be up to 32 alphanumeric characters.  
\*You will be prompted to login after saving a new password. [Display password](#)

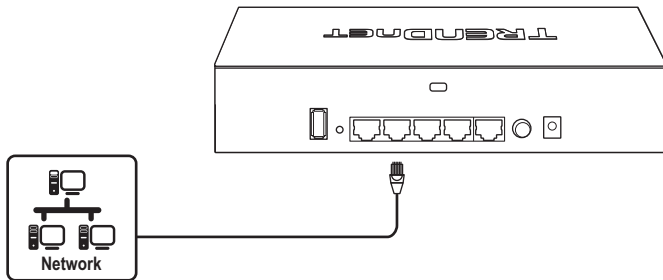
New Password  
\*\*\*\*\*

Confirm Password  
\*\*\*\*\*

OK Cancel

OK

10. Using an Ethernet cable, connect one of the five Gigabit Ethernet ports located on the back of the wireless controller to your network (e.g. router, switch, etc.)

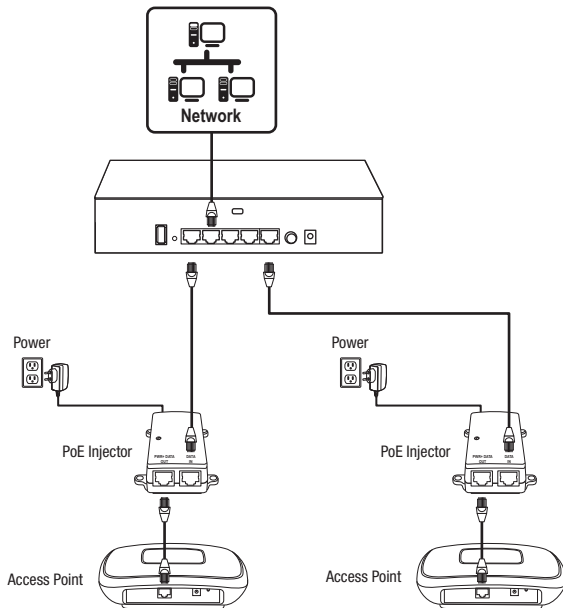




### 3. Connect your wireless access points

**Note:** Before mounting the access points to the desired locations, connect the access point locally directly to the wireless controller first for initial configuration. The access points are standard IEEE 802.3af PoE compliant and may also be connected to a PoE/PoE+ switch for data and power, however, for the purposes of this installation guide we will reference installation using the supplied PoE injectors.

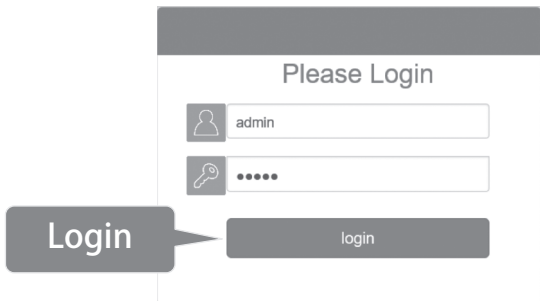
1. Connect the included PoE injector power adapters to the supplied PoE injectors **DC IN** power ports. Connect the adapters to available power outlets to power on the PoE injectors.
2. Using the included Ethernet cables, connect the wireless controller to the **DATA IN** ports of the PoE injectors.
3. Using additional Ethernet cables, connect the access points to the **PWR+DATA OUT** ports of the PoE injectors.



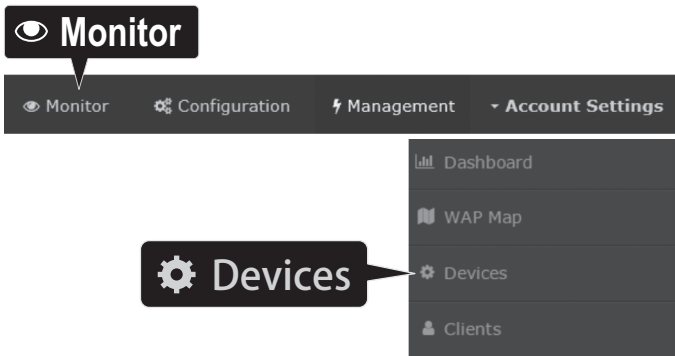
## 4. Initial Wireless Setup

1. Using your computer and web browser, access the wireless controller management page using the newly assigned IP address settings (configured in Section 2) and login.

**Note:** If the IP address settings were not changed in Section 2, the IP address settings for the controller are 192.168.10.200 / 255.255.255.0.



2. Click **Monitor** and click **Devices**.



3. The access points will be discovered automatically and appear in the Device List.

**Note:** If the access points do not appear, make sure access points are powered by checking the physical LEDs and physical cable connections and refresh the page.

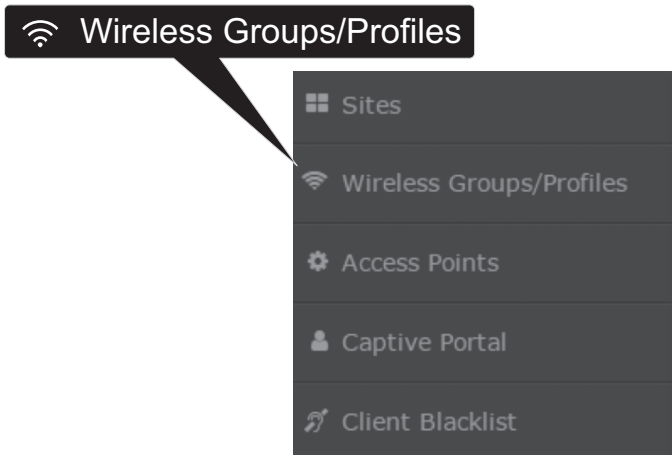
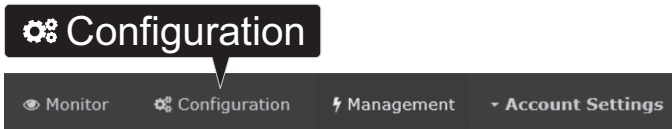
4. After the access points are discovered and appear in the Device List, under the Action column, click **Accept** on each access point to add them to the wireless controller.

Device Name	Mac Address	Address	Wifi Group	Status	Client	DOWN	UP	History	Channel	Type	Action
	D8:EB:97:31:5A:31	192.168.10.21		NEW							Accept
	00:18:E7:95:92:45	192.168.10.22		NEW							Accept

5. Once the access points have been added to the wireless controller, the Status will change from NEW to RUN.

Device Name	Mac Address	Address	Wireless Group	Status	Client	DOWN	UP	History	Channel	Type	Action
TEW-821DAP	00:18:E7:95:92:45	192.168.10.26	1(2.4Gy1(5G))	RUN	0	0B	0B	∞		AP	Edit
TEW-821DAP	D8:EB:97:31:5A:31	192.168.10.25	1(2.4Gy1(5G))	RUN	0	0B	0B	∞		AP	Edit

6. Click **Configuration** and click **Wireless Groups/Profiles**.



7. In the list below, click **Create** to create a new wireless profile.



8. In the Edit Wireless Group window, enter the wireless network name/SSID for the wireless network. (e.g. TRENDnet-WiFi)

**Note:** The SSID is the wireless network name used to broadcast and be discovered by your wireless client devices to connect to your wireless network.

SSID	TRENDnet-WiFi
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9. For Roaming options, select **802.11k** and **OKC** wireless roaming protocols to ensure fast transition wireless connectivity for client devices when roaming between multiple access points.

<b>Roaming</b>	<input checked="" type="checkbox"/> 802.11k	<input type="checkbox"/> 802.11r	<input checked="" type="checkbox"/> OKC
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10. For **Authentication method**, select **WPA/WPA2-PSK**. For the WPA Cipher, select **AES** and enter the **Pre-Shared Key** required to connect to your wireless network. Click **OK**.

**Note:** The pre-shared key is the key/password (8-63 alphanumeric characters) client devices will be required to enter in order to connect to your wireless network.

Authentication method

None	WEP	WPA/WPA2-PSK	WPA/WPA2-Enterprise
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**WPA**

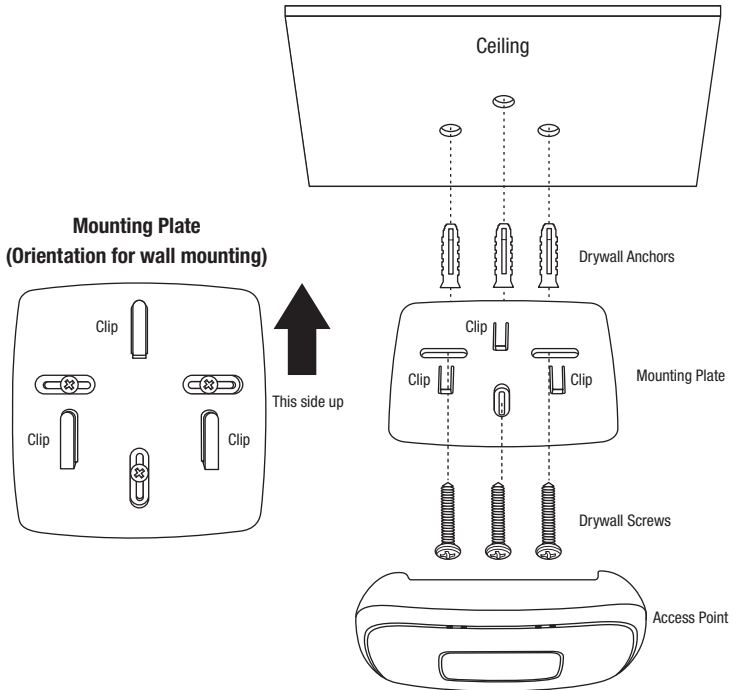
WPA Cipher	AES
Pre-Shared Key	..... <input type="checkbox"/> Show Password
Key Update Interval	3600 seconds

OK Cancel

11. The initial wireless settings are complete. You can use the included hardware to mount the access points to the desired locations.

**Note:** The access points must be connected to the same IP subnet as your wireless controller. (e.g. 192.168.10.x / 255.255.255.0)

12. To mount the access points, install the mounting plates first to the desired wall or ceiling using the included drywall anchors and screws. Install the mounting plates with the clips facing away from the wall. If wall mounting, install the mounting plates with the correct orientation. After the mounting plates are properly installed, align the access point mounting holes with the mounting plate clips and slide in access point to lock into place.



For detailed information regarding advanced settings, please refer to the User's Guide found on the included CD.

# Declaration of Conformity

TRENDnet<sup>®</sup>

## Manufacturer's Name and Address

TRENDnet, Inc.  
20675 Manhattan Place  
Torrance, CA 90501 USA

Zwolsestraat 156 2587 WB  
The Hague The Netherlands



## Product Information

**Model Number:** TEW-755AP2KAC / TEW-821DAP2KAC

**Product Name:** N300 Wireless Controller Kit / AC1200 Dual Band Wireless Controller Kit

**Trade Name:** TRENDnet

TRENDnet hereby declare that the product is in compliance with the essential requirements and other relevant provisions under our sole responsibility.

## Safety

EN 60950-1: 2006 + A11: 2009; + A1: 2010 + A12: 2011 + A2: 2013

## EMC

EN 301 489-1 V1.9.2: 09-2011 (TEW-755AP / TEW-821DAP)  
EN 301 489-17 V2.2.1: 09-2012 (TEW-755AP / TEW-821DAP)  
EN 55032: 2012 + AC: 2013 (TEW-755AP / TEW-821DAP)  
EN 55024: 2010 (TEW-755AP / TEW-821DAP / TPE-113GI)  
EN 55022: 2010 + AC: 2011 (TEW-WLC100 / TPE-113GI)  
EN 55024: 2010 + A1: 2015 (TEW-WLC100)  
EN 55032: 2015 (TEW-WLC100)

## Radio Spectrum & Health

EN 300 328 V1.9.1: 02-2015 (TEW-755AP / TEW-821DAP)  
EN 301 893 V1.8.1: 03-2015 (TEW-821DAP)  
EN 62311: 2008 (TEW-755AP / TEW-821DAP)

## Energy Efficiency

Regulation (EC) No. 1275/2008, No. 278/2009, No. 801/2013

This product is herewith confirmed to comply with the Directives.

## Directives:

Low Voltage Directive 2014/35/EU  
EMC Directive 2014/30/EU  
R&TTE Directive 1999/5/EC  
EMF Directive 1999/519/EC  
Ecodesign Directive 2009/125/EC  
RoHS Directive 2011/65/EU  
REACH Regulation (EC) No. 1907/2006

Person responsible for this declaration.

Date: February 24, 2017

Name: Sonny Su

Title: Director of Technology

Signature:



# TRENDnet<sup>®</sup>

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## Certifications

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received.  
Including interference that may cause undesired operation.



Waste electrical and electronic products must not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or Retailer for recycling advice.

Applies to PoE Products Only: This product is to be connected only to PoE networks without routing to the outside plant.

## Note

The Manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

## Advertencia

En todos nuestros equipos se mencionan claramente las características del adaptador de alimentación necesario para su funcionamiento. El uso de un adaptador distinto al mencionado puede producir daños físicos y/o daños al equipo conectado. El adaptador de alimentación debe operar con voltaje y frecuencia de la energía eléctrica domiciliar existente en el país o zona de instalación.

## Technical Support

If you have any questions regarding the product installation, please contact our Technical Support.

Toll free US/Canada: **1-855-373-4741**

Regional phone numbers available  
at [www.trendnet.com/support](http://www.trendnet.com/support)

## TRENDnet

20675 Manhattan Place  
Torrance, CA 90501  
USA

## Product Warranty Registration

Please take a moment to register your product online. Go to TRENDnet's website at:

**[www.trendnet.com/register](http://www.trendnet.com/register)**