

TRENDnet®



Quick Installation Guide TEW-WLC100 (V1)

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1. Before You Start

Package Contents

- TEW-WLC100
- Quick Installation Guide
- CD-ROM (User's Guide)
- Power adapter (12V DC, 1A)
- Rack mount kit

Minimum Requirements

- Computer with an Ethernet port and web browser
- Network cable for computer connection to controller
- Compatible wireless access point(s) (TRENDnet TEW-755AP, TEW-821DAP, or TEW-825DAP)

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

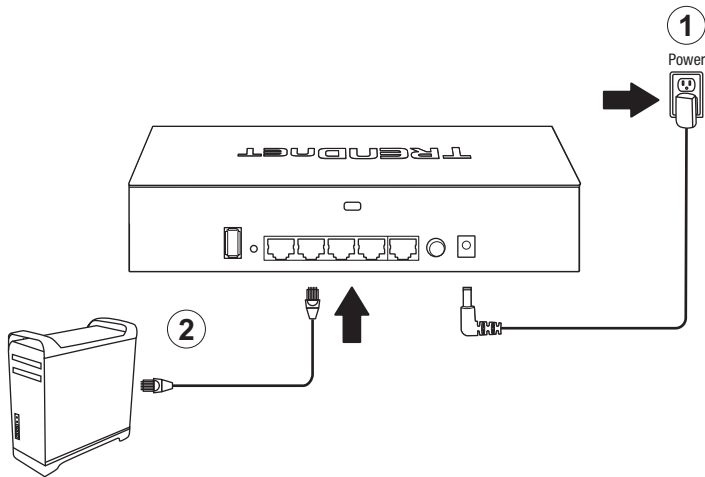
Before you proceed, please ensure you are using one of the access point models in the list and the firmware version of your access point has been upgraded accordingly to the versions indicated in the list below. You can download the access point firmware from <http://www.trendnet.com/support> which include instructions on how to upgrade the firmware.

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

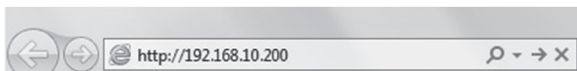
Access Point Model	Description	Controller Compatible Firmware Version
TEW-755AP	N300 PoE Access Point	1.03 or above
TEW-821DAP	AC1200 Dual Band PoE Access Point	1.05 or above
TEW-825DAP	AC1750 Dual Band PoE Access Point	1.01 or above

2. Initial Controller Setup

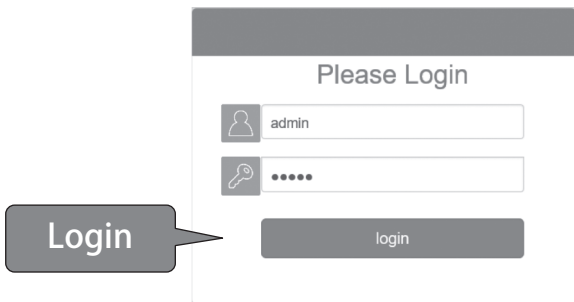
Note: Before connecting the wireless controller to the network and connecting other devices such as PoE injectors or access points, follow the steps to set up your controller IP address settings and administrator password first.



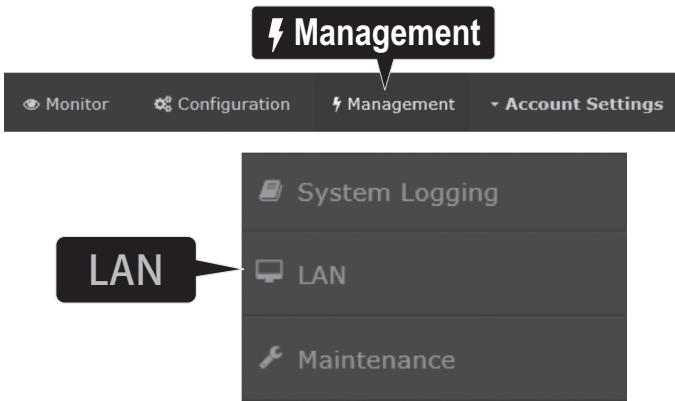
3. Assign a Static IP address to your computer's network adapter in the subnet of **192.168.10.x** (e.g. 192.168.10.25) and a subnet mask of **255.255.255.0**.
4. Open your web browser, type the default IP address of the wireless controller in the address bar, and then press **Enter**. The default IP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

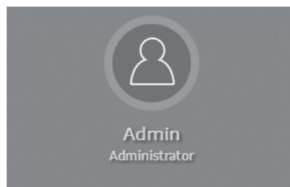
IP Address	192.168.10.200
Netmask	255.255.255.0
Gateway	192.168.10.1
DNS1	192.168.10.1
DNS2	

The screenshot shows the 'LAN Settings' page in the TRENDNET web interface. The 'Network Settings' section contains input fields for IP Address (192.168.10.200), Netmask (255.255.255.0), Gateway (192.168.10.1), DNS1 (192.168.10.1), and DNS2. A callout box from the table above points to the 'Apply' button at the bottom of the form.

Apply

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

▼ Account Settings



Edit

Edit

Logout

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](#)

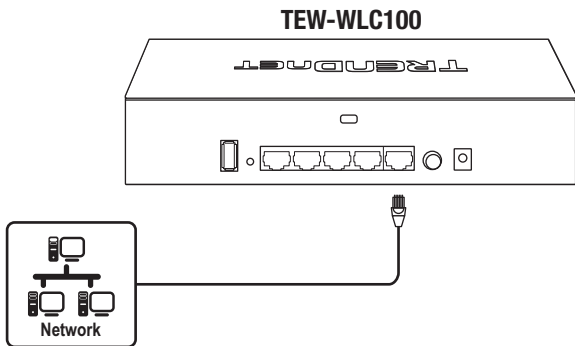
New Password

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.)

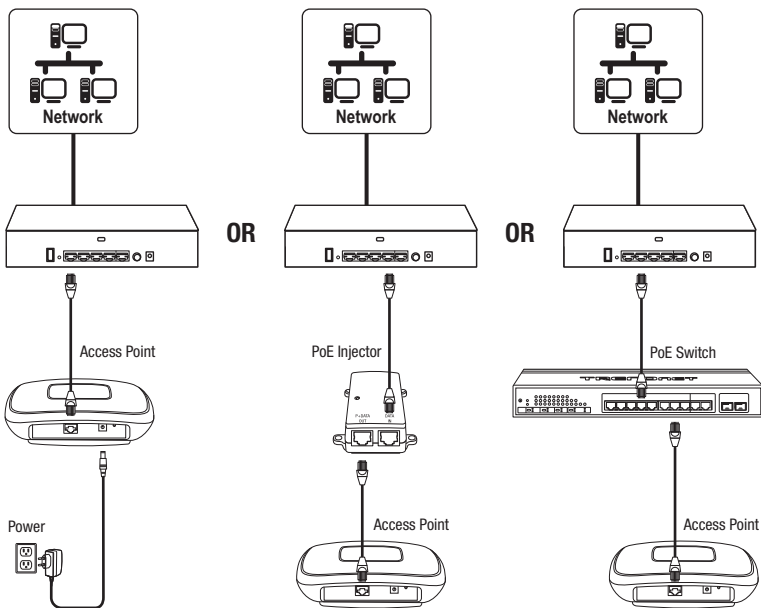


3. Connect your wireless access points

Important Note: Please make sure your access points have met the requirements in Section 1.

1. Using an Ethernet cable, connect each wireless access point to the wireless controller or your network.

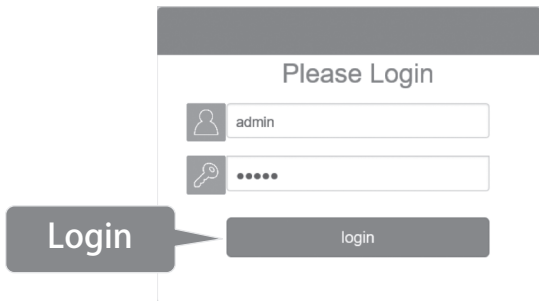
Note: If powering the access points using their power adapters, you can connect the access points directly to your network or the wireless controller. If powering the access point using power over Ethernet (PoE), you can connect your access points to your network or to the wireless controller using a separate PoE injector (not included) or PoE/PoE+ switch (not included).



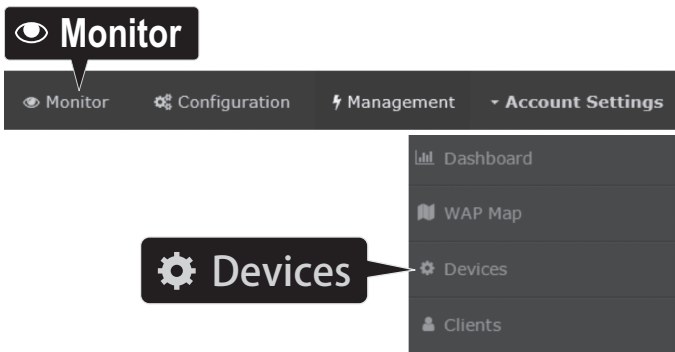
4. Initial Wireless Setup

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 the access points are powered by checking the physical LEDs and physical cable connections and refresh the page.

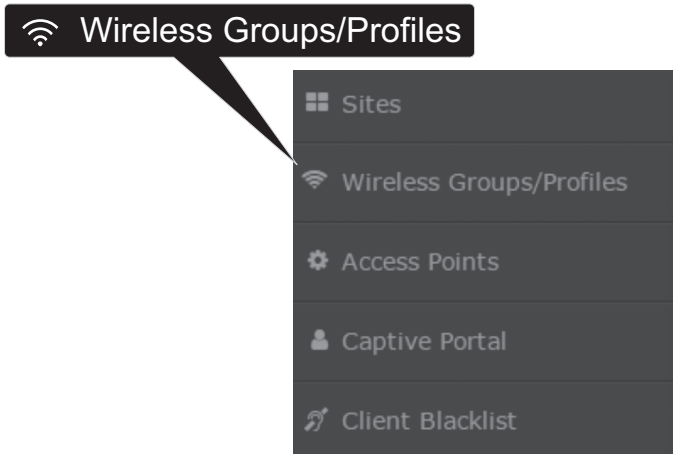
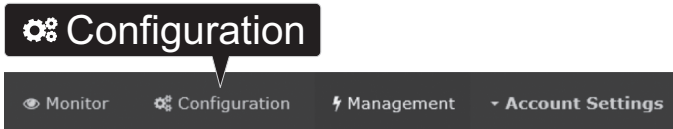
4. After the access points are discovered and appear in the Device List, under the Action column, click **Accept** on each access point to add them to the wireless controller.

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.

A form field with the label 'SSID' on the left and a text input box on the right containing the text 'TRENDnet-WiFi'.

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.

A form field with the label 'Roaming' on the left. To its right are three checkboxes: the first is checked and labeled '802.11k', the second is unchecked and labeled '802.11r', and the third is checked and labeled 'OKC'.

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.

A dialog box titled 'Authentication method'. It has four radio buttons: 'None', 'WEP', 'WPA/WPA2-PSK' (which is selected), and 'WPA/WPA2-Enterprise'. Below this is a section for 'WPA' settings. It includes a 'WPA Cipher' dropdown menu set to 'AES', a 'Pre-Shared Key' text field filled with asterisks and a 'Show Password' checkbox, and a 'Key Update Interval' text field set to '3600' with 'seconds' written below it. At the bottom are 'OK' and 'Cancel' buttons.

11. The initial wireless settings are complete.

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)

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

Declaration of Conformity

TRENDnet[®]

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-WLC100
Product Name: Wireless LAN Controller
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: 2010 + A12: 2011 + A2: 2013

EMC EN 55022: 2010 + AC: 2011
EN 55024: 2010 + A1: 2015
EN 55032: 2015

Energy Efficiency

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

This product is herewith confirmed to comply with the Directives.

Directives:

Low Voltage Directive 2014/35/EC
EMC Directive 2014/30/EC
RoHS Directive 2011/65/EU
WEEE Directive 2012/19/EU
REACH Regulation (EC) No. 1907/2006
R&TTE Directive 1999/5/EC
Ecodesign Directive 2009/125/EC

Person responsible for this declaration.

Date: March 8, 2017

Name: Sonny Su

Title: Director of Technology

Signature: _____

A handwritten signature in black ink, appearing to read 'Sonny Su', is written over a horizontal line.



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

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