

TRENDnet®



Quick Installation Guide

TEW-WLC100

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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
- Wireless Access point(s) (TEW-755AP, TEW-821DAP)

Optional Equipment

- EIA standard 19" rack

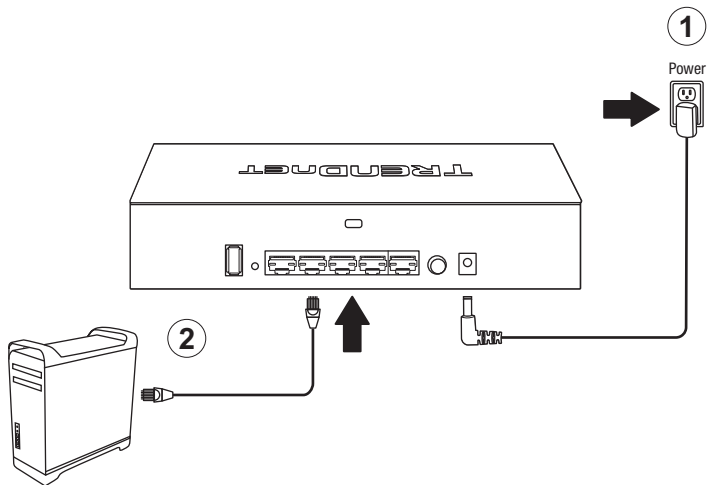
Access Point Compatibility

Before you proceed, please ensure you are using one of the access point models in the list and the firmware version of your access points has been upgraded accordingly to the versions indicated in the list below. Please reset all access points to the factory default configuration. Also, make sure your network is using a DHCP server to distribute IP addresses to the access points. By default, TRENDnet access point models 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.

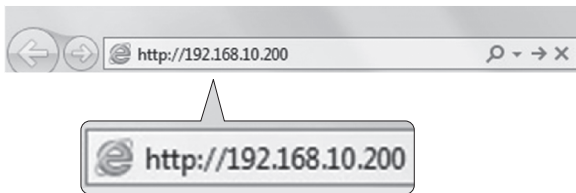
Access Point Model	Description	Firmware Version
TEW-755AP	N300 PoE Access Point	1.02 or above
TEW-821DAP	AC1200 Dual Band PoE Access Point	1.04 or above

You can download the access point firmware from <http://www.trendnet.com/support> which include instructions on how to upgrade the firmware.

2. Hardware Installation and Configuration



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 IP address of the switch 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**

Note: User Name and Password are case sensitive.

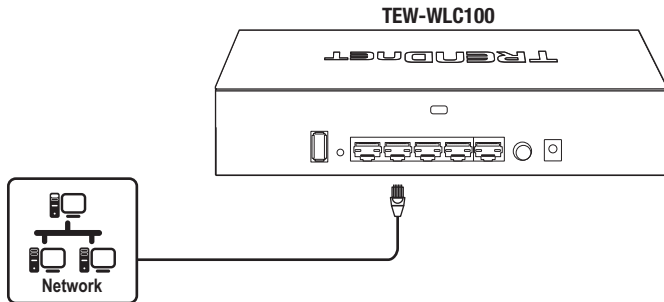
6. Click **Advanced**, click **Setup**, then click on **LAN Settings**.

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

LAN Interface Setting	
IP Address	192.168.10.200
Subnet Mask	255.255.255.0
MAC Address	C2:D7:96:09:66:75
Default Gateway	192.168.10.250
Primary DNS	192.168.10.1

Note: The Default Gateway and DNS IP settings must be assigned to ensure the wireless controller is able to check for available online firmware upgrades.

8. 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.)



9. Access the wireless controller management page using the newly assigned IP address.

Note: You may need to revert to your computer's original IP address settings before you can access the wireless controller with the new IP address settings.

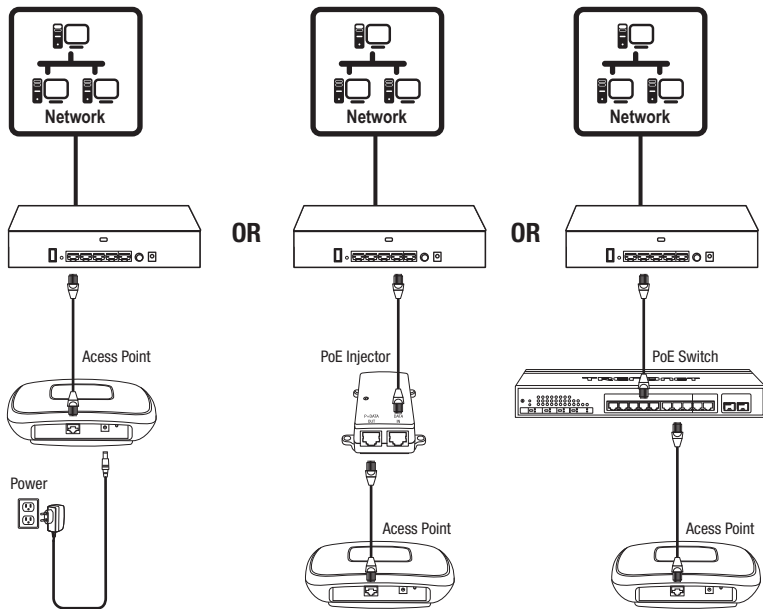
Online Firmware Upgrade	
Current Version	1.01
Online Check	<input type="button" value="Check"/>

3. Connect your wireless access points

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

- 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 or PoE switch (not included).

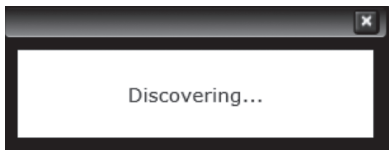


2. After the access points are connected to your network and powered on, click on Basic, click AP Management, and Device List in the wireless controller management page. Then click on Discover to search for available wireless access points.

Device List ALL Devices Discover Export

Device Settings FW Upgrade Config Upgrade

<input type="checkbox"/> Select	Product Name	IP Address	MAC Address	Version	System N



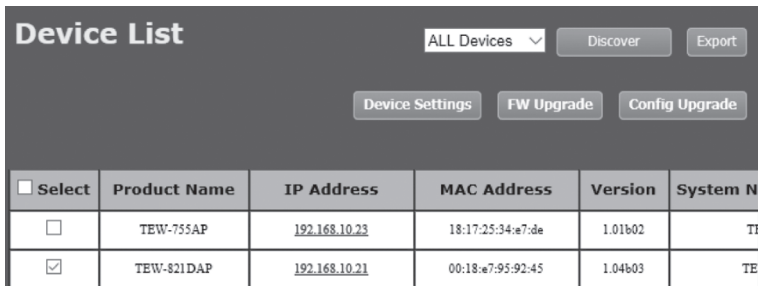
3. After your access points have been found, they will automatically appear in the Device List.

Device List ALL Devices Discover Export

Device Settings FW Upgrade Config Upgrade

<input type="checkbox"/> Select	Product Name	IP Address	MAC Address	Version	System N
<input type="checkbox"/>	TEW-755AP	192.168.10.23	18:17:25:34:e7:de	1.01102	TE
<input type="checkbox"/>	TEW-821DAP	192.168.10.21	00:18:e7:95:92:45	1.04403	TE

4. To configure access point settings, under the **Select** column, check one or multiple access points you would like to configure and click on **Device Settings** to configure access points.



The screenshot shows a 'Device List' interface. At the top left is the title 'Device List'. To its right is a dropdown menu set to 'ALL Devices', followed by 'Discover' and 'Export' buttons. Below these are three buttons: 'Device Settings', 'FW Upgrade', and 'Config Upgrade'. The main part of the interface is a table with the following columns: 'Select', 'Product Name', 'IP Address', 'MAC Address', 'Version', and 'System N'. Two rows are visible in the table. The first row has an unchecked checkbox, 'TEW-755AP', IP '192.168.10.23', MAC '18:17:25:34:e7:de', and version '1.01b02'. The second row has a checked checkbox, 'TEW-821DAP', IP '192.168.10.21', MAC '00:18:e7:95:92:45', and version '1.04b03'.

<input type="checkbox"/> Select	Product Name	IP Address	MAC Address	Version	System N
<input type="checkbox"/>	TEW-755AP	192.168.10.23	18:17:25:34:e7:de	1.01b02	TE
<input checked="" type="checkbox"/>	TEW-821DAP	192.168.10.21	00:18:e7:95:92:45	1.04b03	TE

5. You can modify the access point basic settings such as SSID and encryption key on each band.

Note: If you are using a combination of single band (2.4G) and dual band access points (2.4G & 5G), the 5G settings will only be applied to dual band access points.

The screenshot shows a 'Device Settings' window with two main sections: 'Basic Setting' and 'Wi-Fi Setting'.

Basic Setting:

- Product Name: TEW-821DAP
- IP Mode: DHCP Static
- IP Address: 192.168.10.21
- Subnet Mask: 255.255.255.0
- Gateway: 192.168.10.254
- Primary DNS: 0.0.0.0
- Secondary DNS: 0.0.0.0
- System Name: TEW-821DAP

Wi-Fi Setting:

- Band Steering: Band 2.4G
- (Applies to dual band APs only)
- 802.11Mode: 802.11 b/g/n mixed
- Channel: Auto
- Channel Width: 20/40
- Transmit Power(%): auto
- Enabled Hide SSID
- SSID: TRENDnet821_2.4GHz_004
- Security: WPA2-Personal
- Key: [Redacted]
- Bandwidth Control
- Download MAX Limit for SSID(bps): 100m
- Download MAX Limit for Client(bps): 10m

6. After modifying the settings, scroll down to the **Password** field, enter the access points management password (default access point password: admin) and click **OK** to apply the settings to the access points.

The screenshot shows a 'Password' input field with a white background and a black border. Below it are two buttons: 'OK' and 'Cancel', both with white backgrounds and black borders.

Declaration of Conformity

TRENDnet[®]

Manufacturer's Name and Address

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



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.

Place of Issue: Torrance, California, USA

Date: October 13, 2016

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.

Limited Warranty

TRENDnet warrants its products against defects in material and workmanship, under normal use and service. Specific warranty periods are listed on each of the respective product pages on the TRENDnet website.

Garantie Limitée

TRENDnet garantit ses produits contre les problèmes de matériel ou de fabrication, dans des conditions normales d'utilisation et de service. Les périodes de garanties précises sont mentionnées sur chacun des pages produits du site web de TRENDnet.

Eingeschränkte Garantie

TRENDnet gewährt eine Garantie für seine Produkte im Falle von Material- und Bearbeitungsdefekten, bei normaler Verwendung und Wartung. Spezielle Garantiezeiträume werden auf jeder Produktseite auf der Website von TRENDnet genannt.

Garantía limitada

TRENDnet garantiza que sus productos carecen de defectos en el material y la fabricación, en condiciones de uso y funcionamiento normales. Los periodos específicos de garantía figuran en cada una de las páginas de producto del sitio web de TRENDnet.

Ограниченная гарантия

Компания TRENDnet предоставляет гарантию на свои изделия от дефектов материалов и сборки при нормальном использовании и обслуживании. Конкретные гарантийные сроки указаны на странице каждого продукта на сайте компании TRENDnet.

Garantia Limitada

A TRENDnet garante seus produtos contra defeitos de material e mão de obra sob condições normais de uso e serviço. Os períodos de garantia específicos estão listados em cada uma das páginas dos respectivos produtos no site da TRENDnet.

Piiratud garantii

TRENDneti garantii hõlmab materjali- ja koostamisdefekte, mis ilmnevad toote tavapärasel kasutamisel. Garantiiaja täpne pikkus konkretse toote puhul on leitav TRENDneti kodulehelt vastava toote infolehel.

Garanzia limitata

TRENDnet garantisce i propri prodotti da difetti di materiali e manodopera, in condizioni di normale uso ed esercizio. I periodi di garanzia specifici sono elencati sulle rispettive pagine di prodotto sul sito TRENDnet.

Safety notes



Before using your TRENDnet device for the first time, it is essential to read and understand all safety and operating instructions.

Keep instructions in a safe place for future reference. Some TRENDnet products are rated for outdoor applications and can sustain certain weather conditions.

Please refer to the product's Ingress Protection (IP) rating and the operating humidity and temperature range.

DANGER due to electricity

Warning: Never open TRENDnet devices. Doing so poses the risk of electric shock!

The device is voltage free only when unplugging from the mains power supply.

No physical maintenance of TRENDnet devices is required.

If damage occurs, disconnect the TRENDnet device from the power outlet and contact a qualified technician ONLY.

Damage is defined as:

- If the power cable/plug is damaged
- If the device has been submerged in liquid (e.g. rain or water; except products that are rated for outdoor applications)
- If the device is inoperable
- If there is damage to the housing of the device

Only operate TRENDnet devices using a mains power supply.

To disconnect devices from the mains supply, remove the device itself or its mains plug from the power outlet. The power outlet and all connected network devices should be easily accessible so that you can pull the mains plug quickly if needed.

TRENDnet devices are designed for indoor use only and in a dry location (except those that are rated for outdoor applications).

To clean a TRENDnet device, disconnect it from the mains supply first and only use a dry towel.

DANGER due to overheating

Never expose TRENDnet devices to extreme heat (e.g. direct sunlight, fire, or other heat sources). For outdoor rated products, please install the product in an environment that is within the product's operating temperature and humidity range.

Do not interlock multiple TRENDnet devices.

Only install TRENDnet devices in locations with adequate ventilation (slots and openings on the housing are used for ventilation).

- Do not cover TRENDnet devices when operating.
- Do not place any objects on TRENDnet devices.
- Do not insert any foreign objects into the openings of TRENDnet devices.
- Do not place TRENDnet devices next to an open flame (e.g. fire or candles).
- Do not expose TRENDnet devices to direct heat (e.g. radiator or direct sunlight).

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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: **1-866-845-3673**

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