

TRENDnet[®]



Quick Installation Guide
TEW-740APB02K (V3)

Table of Contents

1 English

1. Before You Start
2. Hardware Setup and Configuration
3. Ground Wire and Pole Mount Installation

1. Before You Start

Package Contents

- 2 x TEW-740APBO
- Quick Installation Guide
- Proprietary PoE injectors
- Power adapters (12V DC, 1A)
- Mounting Hardware
- Grounding wires
- 2 x Rubber seals

Minimum Requirements

- Computer with a network port and Web browser
- A network switch or router with an available network LAN port
- Phillips screwdriver (Ground wire installation)
- 4 x RJ-45 network cables

Note:

It is recommended to use network cables without additional caps, molded caps, or boots with the access points for cable fitment inside the enclosure.

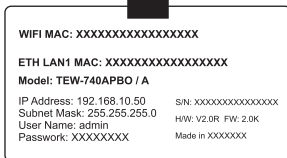
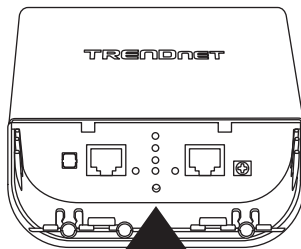
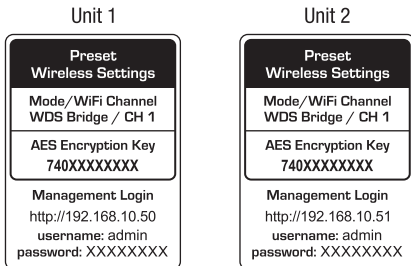
Note:

The TEW-740APBO does not support IEEE 802.3at/af PoE standards. You must use the proprietary Power over Ethernet injector that is supplied with the TEW-740APBO. The RJ-45 Ethernet cable between the passive PoE injector and access point can have a maximum length of up to 60 m (197 ft.).

COMPATIBILITY NOTE: If you are establishing WDS bridge connections to TRENDnet TEW-740APBO H/W: v2.0R outdoor access points, please make sure to upgrade the TEW-740APBO H/W: v2.0R access points to firmware 2.10 or above for WDS compatibility with the TEW-740APBO H/W: v3.0R.

2. Hardware Setup and Configuration

Note: By default, the TEW-740APB0 access points are preconfigured to establish a point-to-point WDS bridge between each other using a unique predefined AES encryption key. For convenience, a unique predefined admin password has already been assigned to both access points. You can find the preconfigured access point settings on the wireless sticker or on the device label beneath the cover where the Ethernet ports and LEDs are located. No additional configuration is required.



Verify connectivity between the two access points before mounting.

Aside from the preconfigured WDS bridge settings, the TEW-740APB0 access points will also be configured with the following default settings:

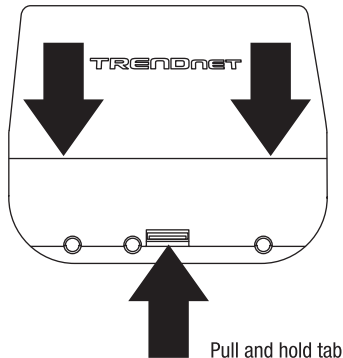
TEW-740APB0 #1

Mode: WDS Mode
IP Address: 192.168.10.50
Netmask (Subnet Mask): 255.255.255.0
IP Gateway (Default Gateway): 192.168.10.1
Primary DNS: 192.168.10.1

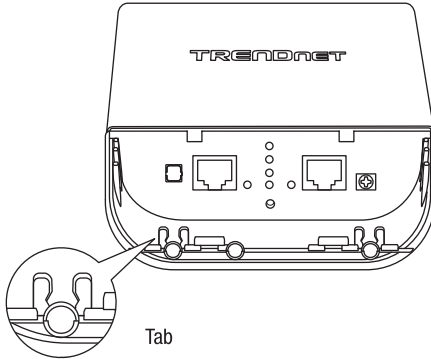
TEW-740APB0 #2

Mode: WDS Mode
IP Address: 192.168.10.51
Netmask (Subnet Mask): 255.255.255.0
IP Gateway (Default Gateway): 192.168.10.1
Primary DNS: 192.168.10.1

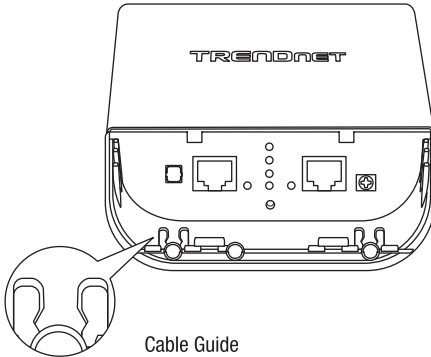
1. Remove the cover of the access point by pushing and holding the tab in the vertical direction upward (based on the access point orientation below) and pulling the cover in the two locations noted below away from the access point.



2. Remove the tab on the far left by gently bending it back and forth until the tab is removed. This will create the opening for a RJ-45 network cable to be routed through.



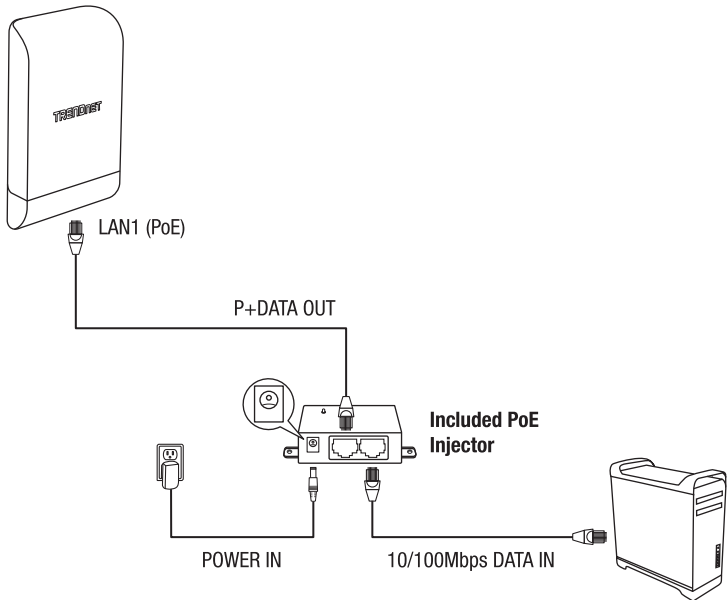
3. Using a network cable, connect one end of the cable to the LAN (PoE) port and push the cable into the cable guide on the far left, then through the opening that was created in the previous step.



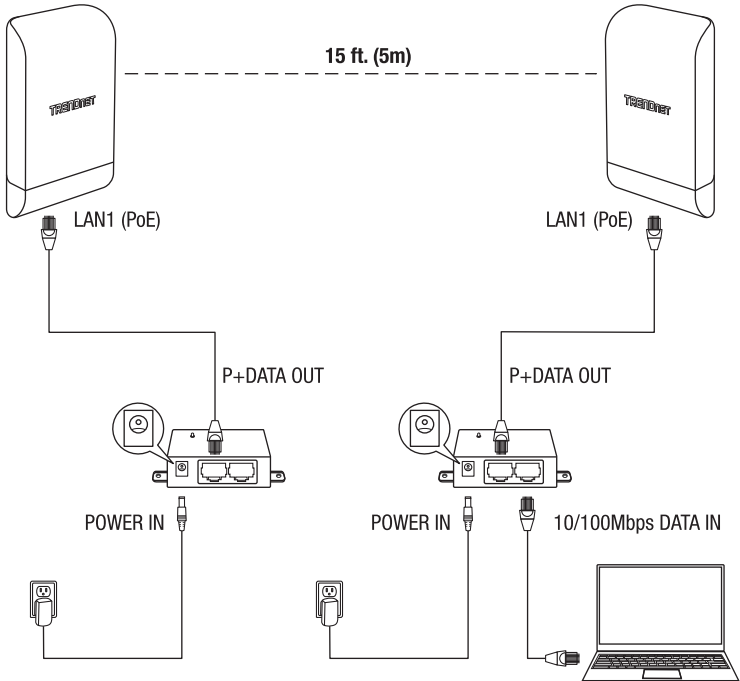
4. Connect the other end of the network cable to the **P+DATA OUT** port on the included PoE injector.
5. Connect the included power adapter to the PoE injector **POWER IN** on the included PoE injector.
6. Plug the connected power adapter into a power outlet.
7. Confirm the device is powered on through the LED indicators.

Note: Repeat Steps 1-7 to power on and connect the second access point.

8. Assign a static IP address to your computer's network adapter in the subnet of 192.168.10.x (e.g. 192.168.10.10) and subnet mask of 255.255.255.0.
9. Using another network cable, connect one end to the **10/100 DATA IN** port on the included PoE injector for either the first or second access point.
10. Connect the other end of the network cable to your computer's Ethernet port.



11. Make sure both access points are powered on approximately 15 ft. (5 m) apart from one another with front of access points directly facing each other.

TEW-740APB0 #1**TEW-740APB0 #2**

12. To verify connectivity on your computer, open a command prompt or terminal application window and type in the following commands.

Note: In Windows®, you can use the Command Prompt application and in Mac®, you can Terminal application to run the commands for connectivity testing.

```
ping 192.168.10.50
```

<Press Enter and wait for result>

```
ping 192.168.10.51
```

<Press Enter and wait for result>

A successful connectivity test will appear similar to the result below for each access point. Ping replies and 0% packet loss will indicate a successful point to point bridge connection between the two access points.

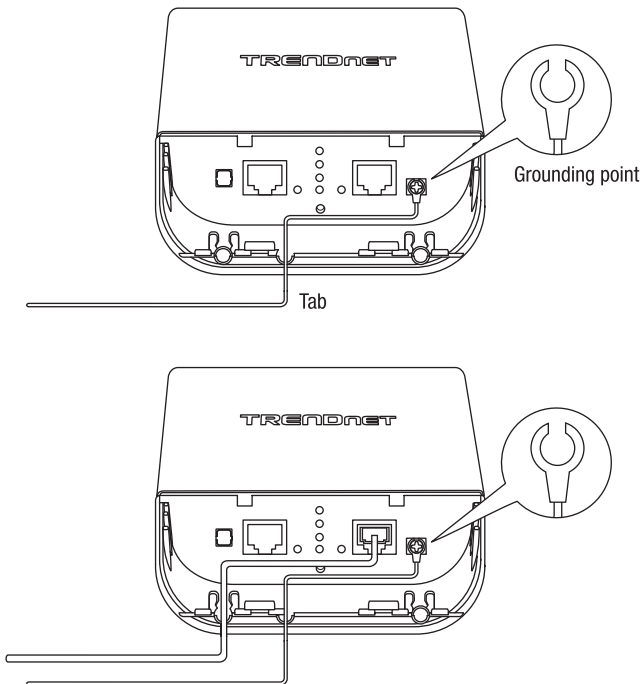
```
PING 192.168.10.50 (192.168.10.50): 56 data bytes
64 bytes from 192.168.10.50: icmp_seq=0 ttl=64 time=10.3 ms
64 bytes from 192.168.10.50: icmp_seq=1 ttl=64 time=0.2 ms
64 bytes from 192.168.10.50: icmp_seq=2 ttl=64 time=0.2 ms
64 bytes from 192.168.10.50: icmp_seq=3 ttl=64 time=0.2 ms
```

Note: If the connectivity test fails, wait for about a minute and try again. Make sure there are no obstacles between the two access points when running the connectivity test and make sure the two access points are not too close together.

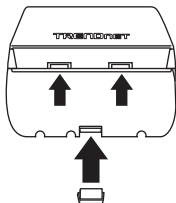
3. Ground Wire and Pole Mount Installation

1. Locate the grounding point located in the bottom section of the enclosure. Using a Phillips screwdriver, remove the grounding point screw (counter clockwise) and attach the included grounding wire to the grounding point screw. Then reattach the ground screw (clockwise) along with the grounding wire. After installing the grounding wire, remove another tab on the enclosure by gently bending back and forth until the tab is removed. This will create the opening for the ground cable to be routed through.

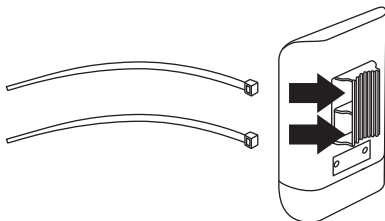
Note: The ground wire may need to be cut and extended using additional ground wire in order to reach a proper grounding point.



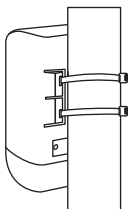
2. Re-install the cover by lining up the guides into the notches as shown and push the cover down until the cover clips in and is secure. After reinstalling the cover, insert the included rubber seal in opening as show.



3. Insert the included fasteners through the holes located at the back of the access point.

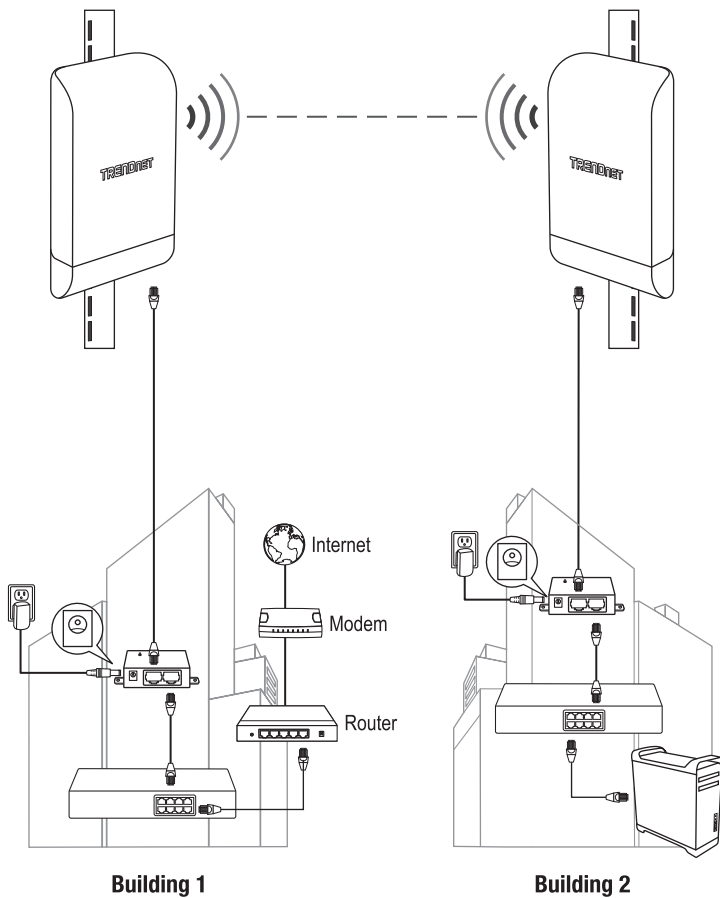


4. Wrap the fasteners around the pole where the access points will be installed. On the fasteners, insert the open end into the locking mechanism and pull tight until the access point is secured.



5. After the access points are properly mounted, you can connect the grounding wires to the proper ground points and RJ-45 cables from each access point to your network.

Quick Installation Reference



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-740APBO / TEW-740APBO2K
Product Name: 10 dBi Wireless N300 Outdoor PoE Access Point /
10 dBi Wireless N300 Outdoor PoE Preconfigured Point-to-Point Bridge 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 62368-1: 2014 + A11: 2017

EMC EN 55032: 2015 + AC: 2016
EN 55035: 2017
EN 61000-3-2:2014
EN 61000-3-3:2014

Radio Spectrum & Health EN62311: 2008
EN 301 489-1 V2.2.1 (2019-03)
EN 301 489-17 V3.2.0 (2017-03)
EN 300 328 V2.1.1 (2016-11)

Energy Efficiency Regulation (EU) No 1275/2008, (EU) No 801/2013

This product is herewith confirmed to comply with the Directives.

Directives: EMC Directive 2014/30/EU
RoHS Directive (EU) 2015/863
RoHS 3 Directive 2015/863/EU
WEEE Directive 2012/19/EU
REACH Regulation (EC) No. 1907/2006
Low Voltage Directive 2014/35/EU
Ecodesign Directive (EU) 2019/1782

This device is designed to provide uninterrupted operation. This device does not offer power management functionality such as Off mode or Standby mode.

Person responsible for this declaration.

Place of Issue: Torrance, California, USA

Date: July 22, 2021

Name: Sonny Su

Title: VP of Technology

Signature:

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



Declaration of Conformity

TRENDnet®

Manufacturer's Name and Address

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

Authorized Representative:
Office: +44 (0) 1635 887 399
Unit 4 Rivermead Business Park,
Pipers Way, Thatcham, RG19 4EP England



Product Information:

Model Number: TEW-740APBO / TEW-740APBO2K
Product Name: 10 dBi Wireless N300 Outdoor PoE Access Point /
10 dBi Wireless N300 Outdoor PoE Preconfigured Point-to-Point Bridge 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 62368-1: 2014 + A11: 2017
EMC EN 55032: 2015 + AC: 2016
EN 55035: 2017
EN 61000-3-2:2014
EN 61000-3-3:2014

Radio Spectrum & Health EN62311: 2008
EN 301 489-1 V2.2.1 (2019-03)
EN 301 489-17 V3.2.0 (2017-03)
EN 300 328 V2.1.1 (2016-11)

Energy Efficiency Regulation (EU) No 1275/2008, (EU) No 801/2013

This product is herewith confirmed to comply with the Directives.

Directives: Electromagnetic Compatibility Regulations 2016
The Waste Electrical and Electronic Equipment Regulations 2013 (as amended)
The REACH Enforcement Regulations 2008 (as amended)
Electrical Equipment (Safety) Regulations 2016
The Ecodesign for Energy-Related Products and Energy Information (Amendment)
(EU Exit) Regulations 2019

This device is designed to provide uninterrupted operation. This device does not offer power management functionality such as Off mode or Standby mode.

Person responsible for this declaration.

Place of Issue: Torrance, California, USA

Date: July 22, 2021

Name: Sonny Su

Title: VP of Technology

Signature:

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



Information published	Value and precision	Unit
Manufacturer's name or trade mark, commercial registration number and address	-	-
Model identifier	-	-
Input voltage	100-240VAC	V
Input AC frequency	50/60	Hz
Output voltage	12	V
Output current	1	A
Output power	12	W
Average active efficiency	83.26	%
Average active efficiency	83.26	%
Efficiency at low load (10 %)	93.85	%
No-load power consumption	0.2	W
No-load power consumption	0.2	W

Percentage of nameplate output current	
Load condition 1	100 % \pm 2 %
Load condition 2	75 % \pm 2 %
Load condition 3	50 % \pm 2 %
Load condition 4	25 % \pm 2 %
Load condition 5	10 % \pm 2 %
Load condition 6	0 % (no-load condition)

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules. This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and consider removing the no-collocation statement.

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, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution!

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Canada Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- 1) L'appareil ne doit pas produire de brouillage;
- 2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la section 2.5 de RSS 102 et la conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne sur l'exposition et la conformité de rf.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ou émetteur. Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps.

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