TRENDnet®

Quick Installation Guide 🇺🇸 🇬🇧

TEW-650AP
1.01

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Package Contents
• TEW-650AP
• Multi-Language Quick Installation Guide
• CD-ROM (Utility and User's Guide)
• Power Adapter (12V DC, 0.5A)
• Cat. 5 Ethernet Cable (0.6m / 2ft.)

System Requirements

• Web Browser: Internet Explorer (6 or higher)
• A computer with a network adapter or wireless adapter properly installed
• A router with an available network LAN port
• An available DHCP Server – routers usually have a built-in DHCP server

Note:
1. Locate an optimum location for the Access Point. The best place for the Access Point is usually at the center of your wireless network.
2. Disable any anti-virus and firewall programs before starting hardware installation.

For Windows Users

1. Insert Utility CD-ROM into your computer's CD-ROM drive.

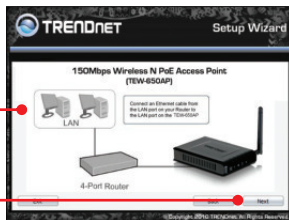2. Click Run Setup.exe (Windows 7/Vista only)
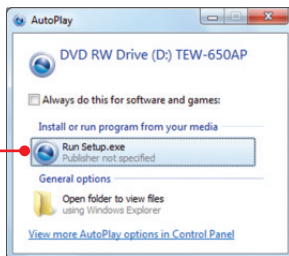
3. Click Setup Wizard.

4. Click I accept the terms in the License Agreement and then click Next.

5. Connect the provided RJ-45 cable from a LAN port on your Router to the LAN port on the TEW-650AP. Then click Next.

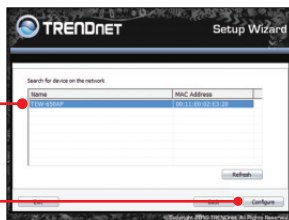

6. Connect a RJ-45 cable from a LAN port on your Router to the Ethernet port on your computer.

7. Connect the Power Adapter to the Access Point and then to a power outlet. Verify that the power switch is set to the on position. and then click Next.

8. Select the TEW-650AP from the list and then click Configure.

9. Enter a password and then click Login. By default, there is no password.

10. Select Access Point and then click Next.
Note: For AP Client setup, please refer to the
User's Guide for step by step instructions.
The User's Guide can be found on this
product's CD-ROM.
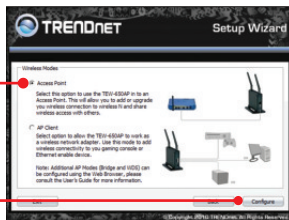
11. Select Dynamic IP Address Configuration
and then click Configure.
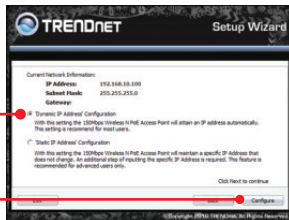
12. Select Manual setup and then click Next.

13. Enter a SSID and then click Next. By default,
the SSID is TRENDnet650.
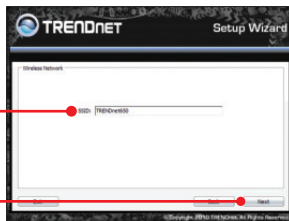
14. Select the desired Wireless Mode and then click Next.

15. Select a Security Mode and then click Next (example shows WPA-PSK).
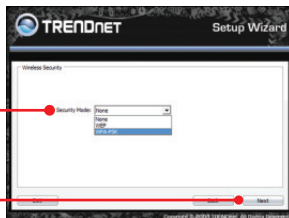
Note: To protect your network from any unauthorized access it is recommended to enable security.

16. Select the desired WPA mode, enter characters for your Pre-Shared key and then click Next. For WPA-PSK or WPA2-PSK, the Pre-Shared Key must be between 8 and 63 ASCII or 64 HEX characters. Make sure to copy down the Pre-Shared Key.

17. Click Save (optional). This saves your configuration settings, which can be reloaded when needed.
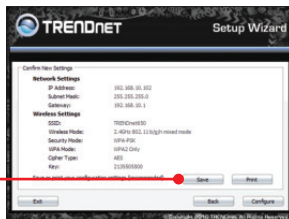
18. Give the file a name, then click Save (optional).
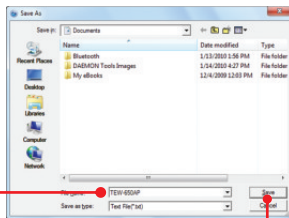
19. Click Configure to apply the settings.
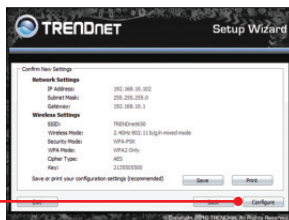
20. Click Exit.
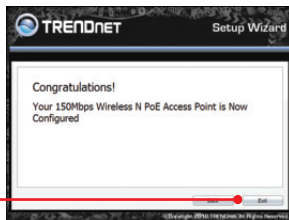
21. Click Yes to exit.
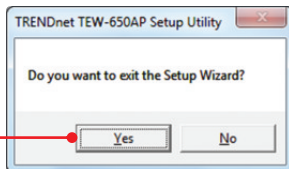
22. Connect the 2dBi detachable antennas to the
    TEW-650AP.

Note: to connect a wireless computer to the TEW-650AP, please refer to the first
question in the troubleshooting section.

Your Installation is complete

For detailed information regarding the TEW-650AP's configuration and advanced settings,
please refer to the Troubleshooting section, User's Guide on the Utility CD-ROM, or
TRENDnet's website at http://www.trendnet.com.

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Thank you for choosing TRENDnet

1. All the settings are correct, but I can not make a wireless connection to the Access Point.
    1. Double check that the wireless LED on the Access Point is lit.
    2. Power cycle the Access Point. Unplug the power to the Access Point. Wait 15 seconds, then plug the power back in.
    3. Contact the manufacturer of your wireless network adapter. Make sure the wireless network adapter is configured with the proper SSID. The default SSID of the Access Point is TRENDnet650AP. If you have enabled any encryption on the Access Point, make sure to configure the wireless network adapter with the same security key.

2. I am trying to connect additional wireless adapters, but I don't remember the encryption (network) key. What should I do?
    From a wired computer, log on to the access point configuration page. Click Wireless ➜ Security. The encryption key will be listed here.

3. I have a wireless adapter that supports WiFi Protected Setup (WPS) push button setup. How do I setup WPS between the TEW-650AP and my wireless adapter?
    1. Press on the WPS button on the front of the TEW-650AP for 10 seconds.
    2. Refer to your wireless adapters for instructions on setting up WPS.

4. I inserted the Utility CD-ROM into my computer's CD-ROM Drive but the installation menu does not appear automatically. What should I do?
    1. For Windows 7, if the installation menu does not appear automatically, click on the Windows Icon on the bottom left hand corner of the screen, click on the "Search programs and files" box, and type D:\autorun.exe, where "D" in "D:\autorun.exe" is the letter assigned to your CD-ROM Driver, and then press the ENTER key on your keyboard
    2. For Windows Vista, if the installation menu does not appear automatically, click on the Windows Icon on the bottom left hand corner of the screen, click on the "Start Search" box, and type D:\autorun.exe, where "D" in "D:\autorun.exe" is the letter assigned to your CD-ROM Drive, and then press the ENTER key on your keyboard.
    3. For Windows XP/2000 if the window does not appear automatically, click Start, click Run and type D:\autorun.exe where "D" in "D:\autorun.exe" is the letter assigned to your CD-ROM Drive, and then press the ENTER key on your keyboard.

5. I do not have a DHCP server or DHCP is disabled on my network and I am unable to configure the TEW-650AP. What should I do?
   1. Go to the TCP/IP settings on your computer's network's adapter. Assign a static IP address of 192.168.10.7 with a subnet mask of 255.255.255.0. Since the default IP address of the TEW-650AP is 192.168.10.100, do not assign a static IP address of 192.168.10.100 on your computer's network adapter.
   2. Open Internet Explorer or web browser and enter http://192.168.10.100 into the address bar. The default login for the TEW-650AP is username:admin/ Password: (blank).

6. How do I configure AP Client mode on the TEW-650AP?
   Please refer to the User Guide. The User Guide is on the provided CD-ROM.

If you still encounter problems or have any questions regarding the TEW-650AP, please contact TRENDnet's Technical Support Department.

The following are some general wireless tips to help minimize the impact of interference within an environment.

Assign your network a unique SSID
> Do not use anything that would be identifying like "Smith Family Network". Choose something that you would easily identify when searching for available wireless networks.

Do not turn off the SSID broadcast
> The SSID broadcast is intended to be on and turning it off can cause connectivity issues. The preferred method of securing a wireless network is to choose a strong form of encryption with a strong and varied encryption key.

> Note: after setting up the SSID, encryption type and encryption key/passphrase, please make a note of them for future reference. You will need this information to connect your wireless computers to the wireless router/access point.

Change the channel
> Most wireless access points and routers are defaulted to channel 6. If you have a site survey tool that will display the channels you can plan your channel selection around neighboring access points to minimize interference from them. If your site survey tool does not display the channel try using channels 1 or 11.

Change the channel bandwidth
> If you are using an 802.11n router or access point you can also make the following changes. Change the channel bandwidth to 20/40MHz. This will provide the highest possible performance using an 802.11n device. Also, if using 802.11n you should be securing the network with WPA2 security.

> Note: Due to Wi-Fi certification considerations if you choose WEP, WPA or WPA2-TKIP encryption this device may operate in legacy wireless mode (802.11b/g).   You may not get 802.11n performance as these forms of encryption are not supported by the 802.11n specification.

Avoid stacking hardware on top of each other to prevent overheating issues
> Maintain enough free space around the hardware for good ventilation and airflow. There should also be plenty of free space around the antennas to allow the wireless signal to propagate. Please also make sure that the wireless hardware is not placed in any type of shelving or enclosures.

There are a number of other environmental factors that can impact the range of wireless devices.

1. Adjust your wireless devices so that the signal is traveling in a straight path, rather than at an angle. The more material the signal has to pass through the more signal you will lose.

2. Keep the number of obstructions to a minimum. Each obstruction can reduce the range of a wireless device. Position the wireless devices in a manner that will minimize the amount of obstructions between them.

3. Building materials can have a large impact on your wireless signal. In an indoor environment, try to position the wireless devices so that the signal passes through less dense material such as dry wall. Dense materials like metal, solid wood, glass or even furniture may block or degrade the signal.

4. Antenna orientation can also have a large impact on your wireless signal. Use the wireless adapter's site survey tool to determine the best antenna orientation for your wireless devices.

5. Interference from devices that produce RF (radio frequency) noise can also impact your signal. Position your wireless devices away from anything that generates RF noise, such as microwaves, HAM radios, Walkie-Talkies and baby monitors.

6. Any device operating on the 2.4GHz frequency will cause interference. Devices such as 2.4GHz cordless phones or other wireless remotes operating on the 2.4GHz frequency can potentially drop the wireless signal. Although the phone may not be in use, the base can still transmit wireless signals. Move the phone's base station as far away as possible from your wireless devices.

If you are still experiencing low or no signal consider repositioning the wireless devices or installing additional access points. The use of higher gain antennas may also provide the necessary coverage depending on the environment.

Declaration of Conformity

TRENDNET

Company Information:

Company Name:
TRENDware International, Inc.

Company Address:
20675 Manhattan Place
Torrance, CA 90501
USA

Product Information:

Product Description:
150Mbps Wireless N Access Point

CE 0560 (!)

Model Number:
TEW-650AP

Brand name:
TRENDnet

Technical Standards:

EN 300 328   V1.7.1: 10-2006
EN 301 489-1   V1.8.1: 04-2008
EN 301 489-17 V1.3.2: 04-2008
EN 50385: 2002
EN 60950-1: 2006
EN 60950-1/A11: 2009

Declaration:

The product is herewith confirmed to comply with the requirements of Directive 1999/5/EC of the Council (European Parliament) on the radio and telecommunications terminal equipment.

I hereby declare that the products and devices mentioned above are consistent with the standards and provisions of the guidelines.

Sonny Su	Director of Technology
Name (Full Name)	Position / Title
August 3, 2010	
Date	Legal Signature

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Certifications

This equipment has been tested and found to comply with FCC and CE 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 you Local Authority or Retailer for recycling advice.

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.

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