





Quick Installation Guide  

TEW-670AP  
1.01

# Table of Contents

English	1
1. Before You Start	1
2. Hardware Installation	2
3. Configure the Access Point	3
.....	
Troubleshooting	6
Wireless Tip	7



## Package Contents

- TEW-670AP
- Multi-Language Quick Installation Guide
- CD-ROM (User's Guide)
- Cat. 5 Ethernet cable (1m / 3.2ft)
- Power Adapter (12V DC, 2.5A)

## System Requirements

- Web Browser: Internet Explorer (6.0 or above)
- A computer with a network adapter properly installed
- A network Switch or Router with an available network LAN port

### Note:

Locate an optimum location for the Access Point. The best place for the Access Point is usually at the center of your wireless network. Please connect the computer configuring the TEW-670AP on the same switch/router.

1. Connect a RJ-45 cable from the Switch/Router to the LAN port on the Access Point.



2. Connect the AC Power Adapter to the TEW-670AP and then to a power outlet.



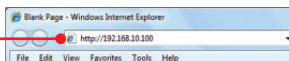
3. Verify that the following panel lights are on: Power, WLAN(2.4GHz and 5GHz) and Ethernet.

### 3. Configure the Access Point

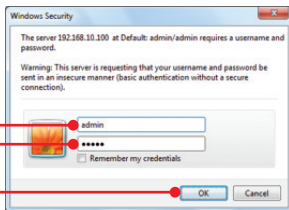
#### Note:

1. It is recommended that you configure the Access Point from a wired computer. Before the Access Point can be configured, a Static IP address must be assigned to your computer's network adapter in the subnet of 192.168.10.x. Since the Access Point's default IP address is 192.168.10.100, make sure no other network devices are assigned an IP address of 192.168.10.100. (Refer to Troubleshooting section on how to configure TCP/IP settings on your PC.)
2. Disable any anti-virus and firewall programs before configuring the access point.

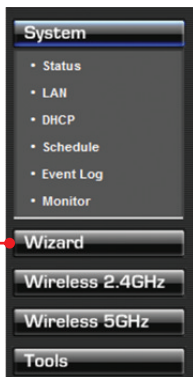
1. Open your web browser, type <http://192.168.10.100> in the Address bar, and then press Enter.



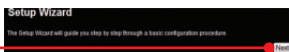
2. Enter the User Name and Password, and then click OK. By default:  
User Name: admin  
Password: admin



3. Click Wizard.



4. Click Next.



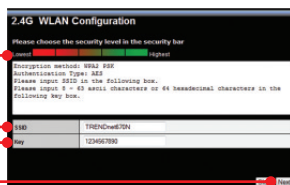
Note:

1. To protect your network from any unauthorized access it is recommended to enable wireless encryption.
2. The examples below are for WPA2-PSK security. If you select WPA-PSK or WPA2-PSK, make sure your wireless adapters support WPA or WPA2. If your wireless adapters do not support WPA or WPA2, then select WEP.
3. For WiFi Protected Setup (WPS) instructions, please refer to the User's Guide on the CD-ROM. WPS instructions will vary depending on your wireless adapter. Please contact the manufacture of your wireless adapter for WPS instructions.

## 2.4GHz Configuration WLAN

5. Mouse over the security bar to select the desired security level (lowest for no encryption, highest for WPA2-PSK).

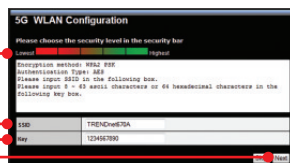
6. Enter the desired SSID and Key. Then click Next. By default, the SSID for 2.4G WLAN is TRENDnet670N.



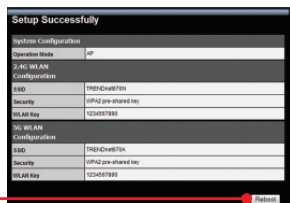
## 5GHz Configuration WLAN

7. Use your mouse to select the desired security level (lowest for no encryption, highest for (WPA2-PSK).

8. Enter the desired SSID and Key. Then click Next. (By default, the SSID for 5GHz WLAN is TRENDnet670A).



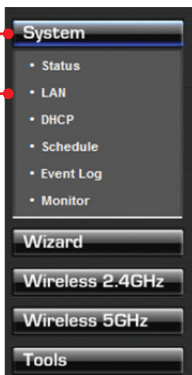
9. Setup is successful. Click Reboot.



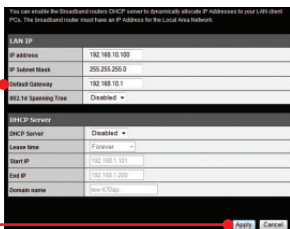
10. Wait 30 seconds while the Access Point reboots.

System is rebooting, please wait 34 seconds

11. Click System -> LAN.



12. Configure the LAN settings to match your network settings and then click Apply.



13. Wait 15 seconds while the Access Point reboots.

System is rebooting, please wait 14 seconds

## Your Installation is completed

For detailed information regarding the TEW-670AP's configuration and advanced settings, please refer to the Troubleshooting section, User's Guide on the CD-ROM, or TRENDnet's website at <http://www.trendnet.com>.

## Register Your Product

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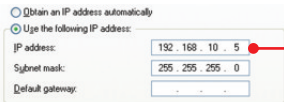
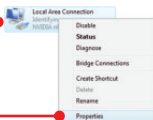
Thank you for choosing TRENDnet

# Troubleshooting

## 1. How do I configure TCP/IP settings on my computer?

### Windows 7

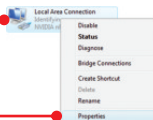
1. Go into the Control Panel, click Network and Sharing Center, click Change Adapter Settings, right-click the Local Area Connection icon and then click Properties.



2. Click Internet Protocol Version 4(TCP/IPv4) and then click Properties. Then click on Use the following IP address, and make sure you assign your network adapter an IP address in the subnet of 192.168.10.x.

### Windows Vista

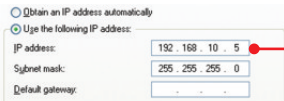
1. Go into the Control Panel, click Network and Internet, click Network and Sharing Center, click Manage Network Connections, right-click the Local Area Connection icon and then click Properties.



2. Click Internet Protocol Version 4(TCP/IPv4) and then click Properties. Then click on Use the following IP address, and make sure you assign your network adapter an IP address in the subnet of 192.168.10.x.

### Windows XP/2000

1. Go into the Control Panel, double-click the Network Connections icon, right-click the Local Area Connection icon and then click Properties.



2. Click Internet Protocol (TCP/IP) and then click Properties. Then click on Use the following IP address, and make sure you assign your network adapter an IP address in the subnet of 192.168.10.x.



2. I typed <http://192.168.10.100> in my Internet Browser's Address Bar, but an error message says "The page cannot be displayed." How can I get into the TEW-670AP's web configuration page?

1. Check your hardware settings again by following the instructions in section 2.
2. Make sure the LAN and WLAN lights are lit.
3. Make sure the TCP/IP settings are configured properly (see question 1).
4. Since the Access Point's default IP address is 192.168.10.100, make sure that no other network devices are assigned an IP address of 192.168.10.100.
5. Reset the Access Point. Take a pin or paperclip and press the RESET button for 15 seconds, then let go. Then type <http://192.168.10.100> into your browser.

3. If my network's IP is different than the Access Point's range, what should I do?

You should still configure the Access Point first. After all the settings are applied, go to the Access Point's configuration page, click System -> LAN, change the IP address of the Access Point to match your network's IP and save the settings.

4. After I successfully configured the Access Point to meet my network settings, I can not connect to my network using wireless computers.

If you have a DHCP server in your network, you need to go into TCP/IP settings again and re-select "Obtain an IP address automatically" to allow the PC to regain an IP address from your DHCP server.

5. All the settings are correct, but I can not make a wireless connection to the Access Point.

1. Double check that the WLAN light on the Access Point is lit.
2. Power cycle the TEW-670AP. Unplug the power to the TEW-670AP. 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 TRENDnet670N (2.4GHz) and TRENDnet670A (5GHz). If you have enabled encryption on the Access Point, make sure to configure the wireless network adapter with the same encryption key.

If you still encounter problems or have any questions regarding the TEW-670AP, 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.

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.**

Please also make sure that the wireless hardware is not placed in any type of shelving or enclosures.

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.

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 signal. 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



## Company Information:

Company Name:  
TRENDnet, Inc.

Company Address:  
20675 Manhattan Place  
Torrance, CA 90501  
USA

## Product Information:

Product Description:  
300Mbps Concurrent Dual Band Wireless N Access Point

Model Number:  
TEW-670AP

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 301 893 V1.4.1 : 07-2007  
EN 50385: 2002  
EN 60950-1: 2006

## 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 and Energy-related products Directive 2009/125/EC.*

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

Sonny Su  
\_\_\_\_\_  
Name (Full Name)  
  
April 8, 2010  
\_\_\_\_\_  
Date

Director of Technology  
\_\_\_\_\_  
Position / Title  
  
  
\_\_\_\_\_  
Legal Signature

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([http://trendnet.com/langen/downloads/list\\_gpl.asp](http://trendnet.com/langen/downloads/list_gpl.asp)) kolme aasta jooksul alates toote kättesaamise kuupäevast.

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This equipment has been tested and found to comply with FCC and CE Rules.

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- (2) This device must accept any interference received. Including interference that may cause undesired operation.



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