



User Guide

300Mbps High Power Wireless USB Adapter
TL-WN8200ND

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About This Guide

This guide is a complement to Quick Installation Guide. The Quick Installation Guide instructs you on quick installation, and this guide provides the product overview and detailed instructions for each steps.

When using this guide, please notice that features of the adapter may vary slightly depending on the model and software version you have. All screenshots, images, parameters and descriptions documented in this guide are used for demonstration only.

Conventions

In this guide, the following conventions are used:

| Convention | Description |
|-------------|--|
| Teal Italic | Hyperlinks are in teal italic. You can click to redirect to a website or a specific section. |
| Teal | Contents to be emphasized and texts on the web page are in teal, including the menus, items, buttons, etc. |
| ■ Note: | Ignoring this type of note might result in a malfunction or damage to the device. |
| ◆ Tips: | Indicates important information that helps you make better use of your device. |

*Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput and wireless coverage are not guaranteed and will vary as a result of 1) environmental factors, including building materials, physical objects, and obstacles, 2) network conditions, including local interference, volume and density of traffic, product location, network complexity, and network overhead, and 3) AP limitations, including rated performance, location, connection quality, and AP condition.

*To ensure compatibility, you may need to update the adapter's drivers after an OS update. You can find our latest drivers in the download center at [tp-link.com/en/download-center](http://www.tp-link.com/en/download-center).

More Info

- The latest software and utility can be found at [Download Center](http://www.tp-link.com/support) at <http://www.tp-link.com/support>.
- The Quick Installation Guide (QIG) can be found where you find this guide or inside the package of the product.
- Specifications can be found on the product page at <http://www.tp-link.com>.
- Our Technical Support contact information can be found at the [Contact Technical Support](http://www.tp-link.com/support) page at <http://www.tp-link.com/support>.

Chapter 1

Get to Know About Your Adapter

This chapter introduces what the adapter can do and shows its appearance.

This chapter contains the following sections:

- [Product Overview](#)
- [LED Status](#)

1.1. Product Overview

TP-Link Wireless USB Adapter connects your computer to a Wi-Fi network for lag-free video streaming, online gaming, secure internet surfing and internet calls.

- Compatible with 802.11b/g/n products
- Equipped with a USB extension cable for flexible deployment
- Supports ad-hoc and infrastructure mode
- Maximum speed of up to 300Mbps for 2.4GHz network
- Supports 64/128 bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK
- With WPS button, the adapter provides secured connection at the push of a button
- Supports Windows, Mac and Linux

1.2. LED Status



You can check the adapter's working status by following the LED Explanation table.

| Status | Indication |
|------------------|--|
| Off | The driver has not been installed. The adapter's radio has been disabled. |
| Flashing Slowly | The driver has been installed but no data is being transmitted or received. |
| Flashing Quickly | Data is being transmitted or received. |

◆ Tips:

If the LED is off, try these troubleshooting tips:

1. Check if the adapter is recognized and enabled or not. Refer to [T2](#) for detailed instructions.
2. Remove and reinstall the adapter.
3. Reinstall the software, if necessary.

Chapter 2

Connect to a Computer

This chapter introduces how to connect the adapter to your computer.

Before you start using your adapter, install the antennas and connect the adapter to your computer using the USB extension cable provided.

■ Note:

If interference appears on your computer's monitor, try moving the adapter further from your computer.

After connecting your adapter to the computer, please follow the instructions in the appropriate chapter for your operating system: [Windows](#), [Mac OS X](#), [Linux](#).

Chapter 3

Windows

This chapter introduces how to install your adapter's driver and WPS Tool, use your adapter to join a wireless network, and uninstall your adapter in a Windows system. The adapter is equipped with a Setup Wizard, which can guide you through the installation process.

This chapter includes the following sections:

- [Install Driver and WPS Tool](#)
- [Join a Wireless Network](#)
- [Uninstall Driver and WPS Tool](#)

3. 1. Install Driver and WPS Tool

1. Insert the resource CD into your CD drive and run the [Autorun.exe](#) from the pop-up Autoplay window.

■ Note:

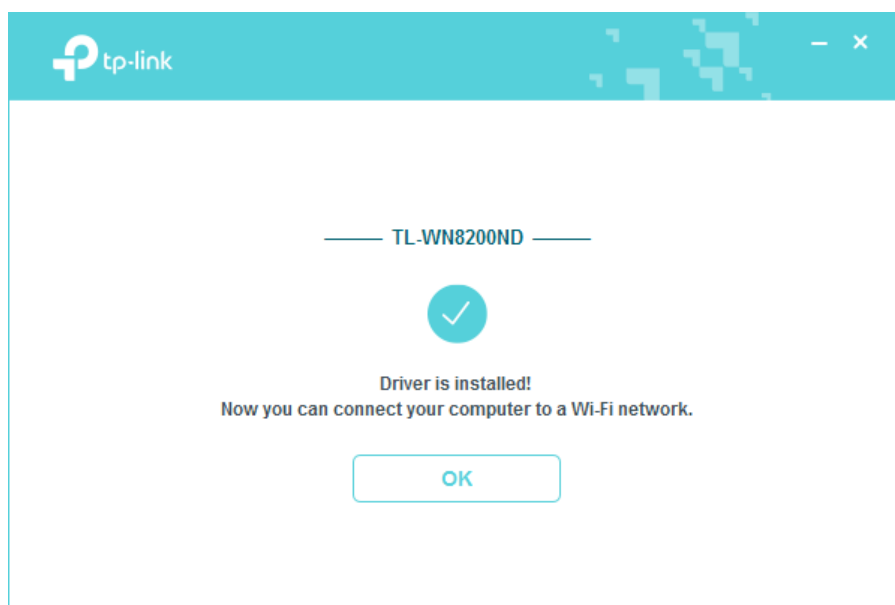
1. You can also download the driver from the product's Support page at www.tp-link.com.
2. In some operating systems, the CD screen will pop up automatically. Otherwise, run the CD manually.

2. Select **TL-WN8200ND** and follow the instructions to complete the installation.

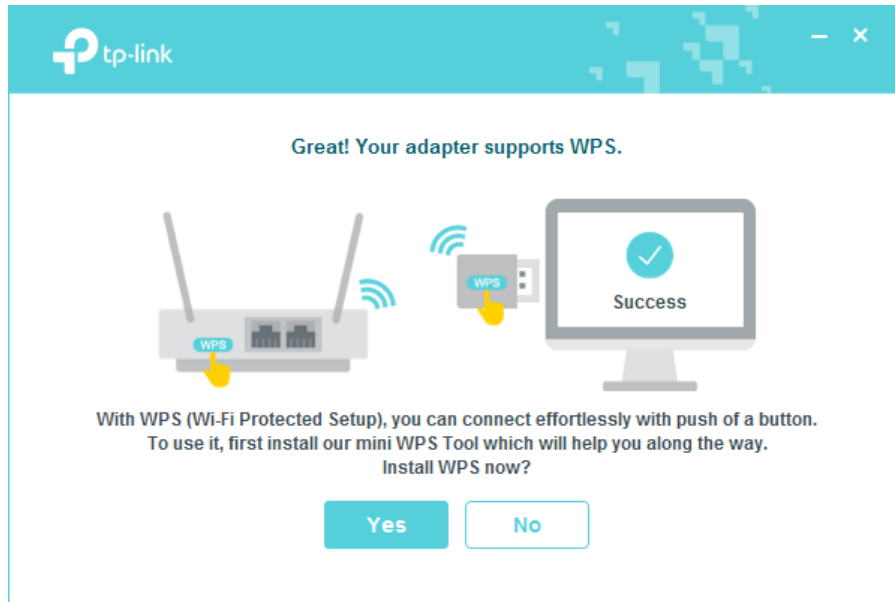
■ Note:

If you can't install the driver successfully, disable the antivirus software and firewall, then try again.

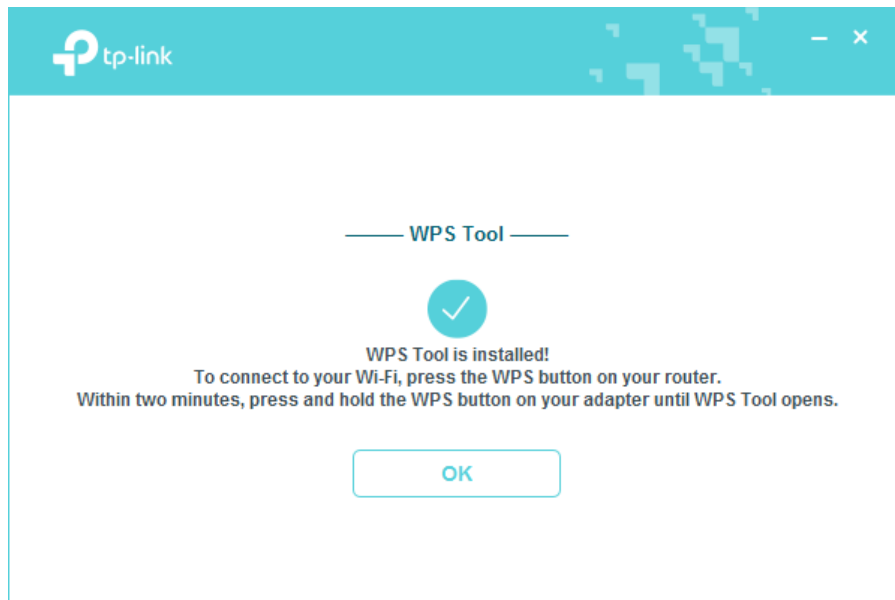
3. When the following screen appears, the driver has been installed successfully.



4. If you want to connect effortlessly with the push of a WPS button, click [Yes](#) and follow the instructions to install the mini WPS Tool.








5. When the following screen appears, the WPS Tool has been installed successfully. You can enjoy connecting to your Wi-Fi with the push of the WPS button.



3. 2. Join a Wireless Network

Option 1: Via Windows Built-in Wireless Utility

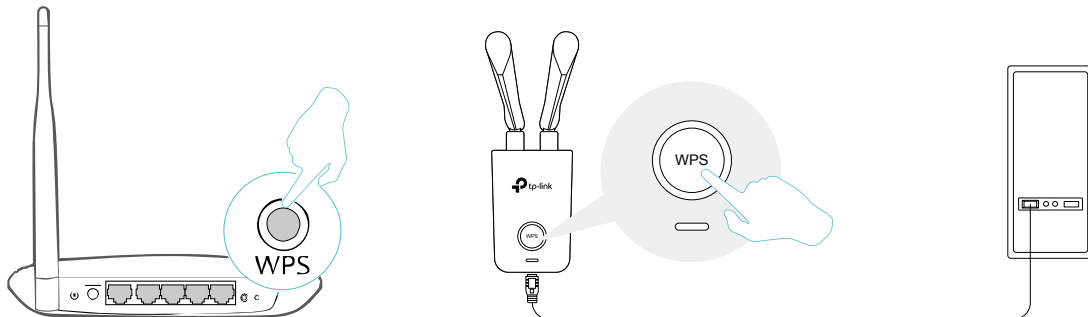
You can join a wireless network via Windows built-in wireless utility. Follow the instructions below to use your computer system's built-in wireless utility:

1. Click ,  or  (Network icon) on the taskbar. Select the Wi-Fi network you want to join, and click **Connect**. Enter the network password when prompted.
2. When the network icon changes to  or , it indicates a successful network connection.

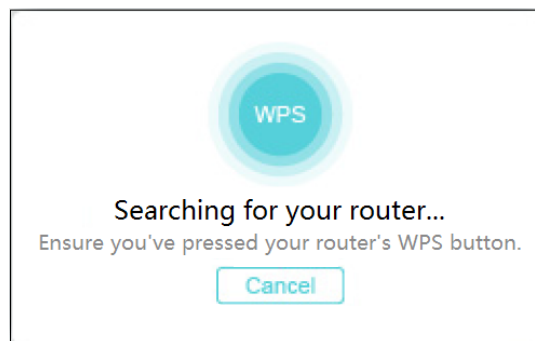
Option 2: Via WPS Tool

If you have installed WPS Tool, follow the instructions below to connect effortlessly with the WPS button.

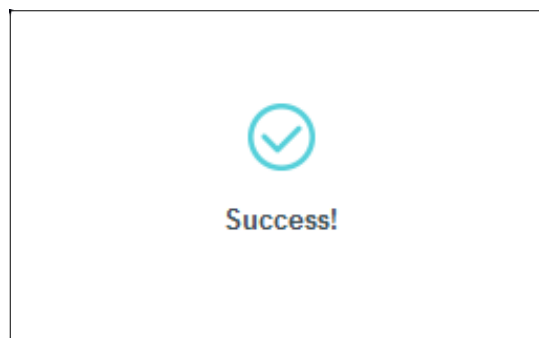
1. Press the WPS button on your router.



2. Within 2 minutes, press and hold the WPS button on the adapter until WPS Tool opens in the lower right corner of your computer.



3. When the "Success!" message appears, your computer is connected to Wi-Fi.



3.3. Uninstall Driver and WPS Tool

The software uninstallation steps vary a bit from different systems. Please follow the appropriate instructions for your Windows operating system: [Windows 8/8.1/10](#), [Windows 7](#).

- Windows 8/8.1/10

Go to [Start](#) menu to find the TP-Link application. Click [Uninstall TP-Link TL-WN8200ND](#), then follow the on-screen instructions to complete the uninstallation.

- Windows 7

Go to [Start](#) > [All Programs](#) > [TP-Link](#) > [Uninstall TP-Link TL-WN8200ND](#). Follow the on-screen instructions to complete the uninstallation.

Chapter 4

Mac OS X

This chapter introduces how to install your adapter's driver and utility, use your adapter to join a wireless network, manage your adapter and uninstall your adapter in Mac OS X.

This chapter includes the following sections:

- [Install Driver and Utility](#)
- [Join a Wireless Network](#)
- [Management](#)
- [Uninstall Driver and Utility](#)

4. 1. Install Driver and Utility

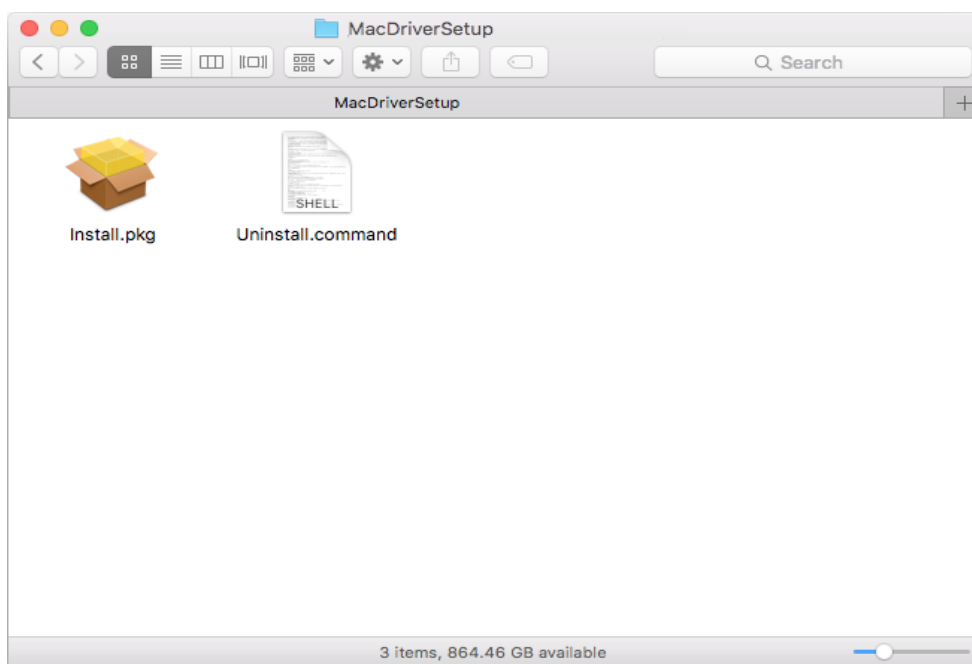
We take the steps in Mac OS X 10.10 as an example - the steps may vary slightly for other versions of Mac OS.

1. Download the driver and utility from this product's Support page from TP-Link's official website www.tp-link.com.

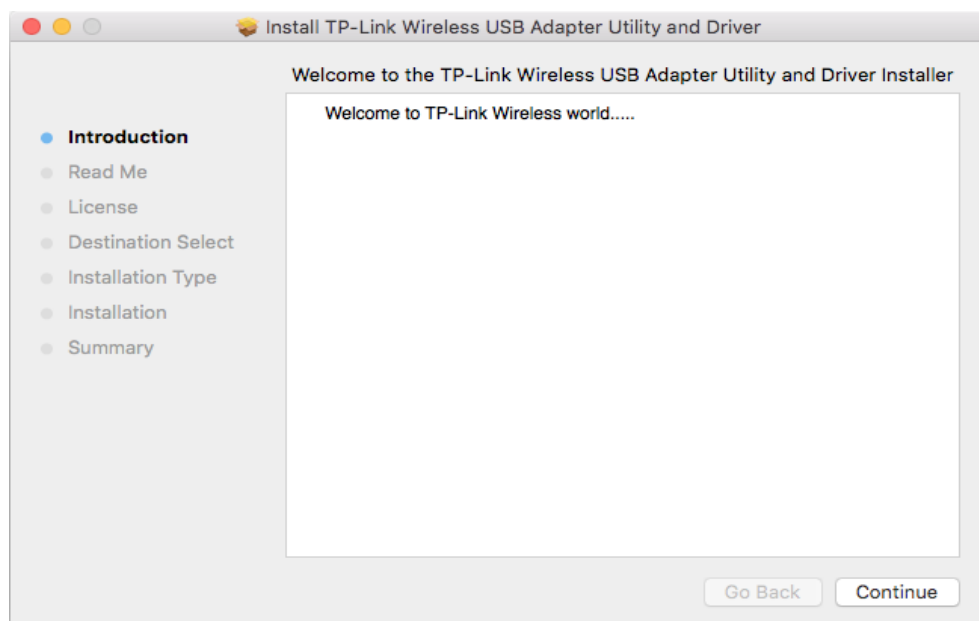
■ **Note:**

The CD is included in the package. If your computer has a CD drive, you can also run the included CD to install the driver and utility.

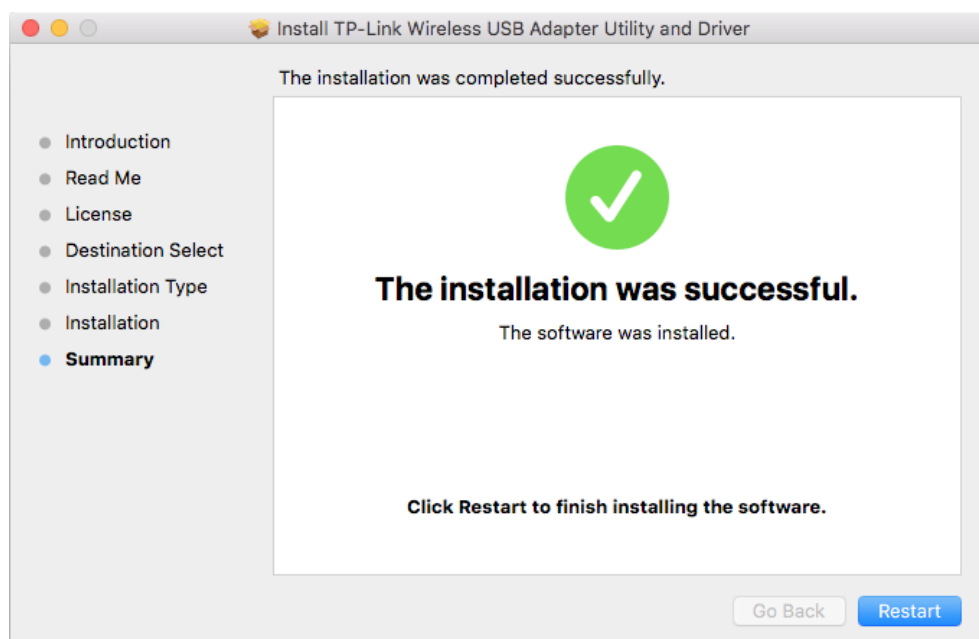
2. Double click to unzip the downloaded folder and run the [Install.pkg](#).




3. The [Install TP-Link Wireless USB Adapter Utility and Driver Wizard](#) window will appear. Click [Continue](#) and follow the instructions to complete the installation.




4. When the following screen appears, the driver and utility have been installed successfully. Click [Restart](#) to finish the installation.



5. After restarting the computer, the TP-Link Utility icon  will appear on the menu bar in the upper-right corner of the screen. To use the utility to join a Wi-Fi network with your adapter, refer to [Join a Wireless Network](#).

Note:

If the TP-Link Utility icon  does not appear on the menu bar, make sure the USB wireless network adapter is connected properly and its LED is on.

4. 2. Join a Wireless Network

There are two options of using the adapter to join a Wi-Fi network.

Option 1: TP-Link Utility


TP-Link Utility lets you easily connect the adapter to a Wi-Fi network and manage the adapter.

Option 2: WPS (Wi-Fi Protected Setup)

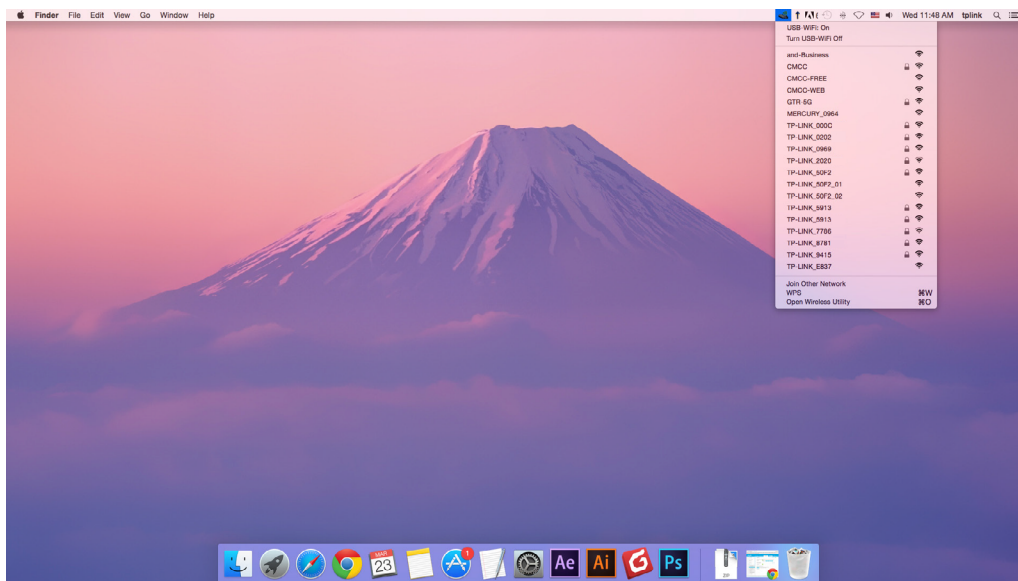
WPS (Wi-Fi Protected Setup) is a network security standard for easily adding computers and other devices to a home network. Use this method if your wireless router or access point supports WPS.

4. 2. 1. TP-Link Utility


Option 1

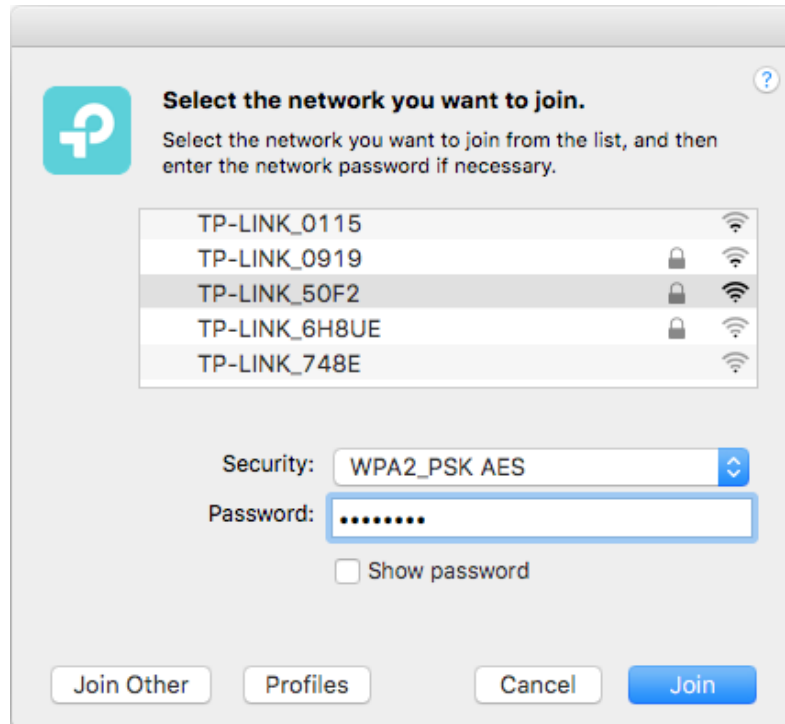
Click the TP-Link Utility icon  on the menu bar, and choose a Wi-Fi network from the list. Enter the password when prompted.

When you are connected to the internet, the network icon will change to .



Option 2

1. Click the TP-Link Utility icon  on the menu bar, and then click [Open Wireless Utility](#) at the bottom of the network list.
2. Select the network you want to join from the list and enter the password when prompted. Click [Join](#).



■ **Note:**

If your Wi-Fi network is not displayed in the list, you can try to join it by WPS or by clicking [Join Other](#) on the above screen, and then follow the on-screen instructions to join the network.

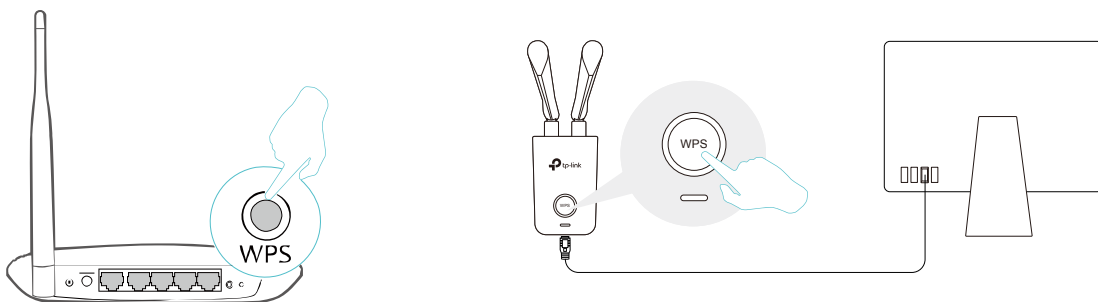
4.2.2. WPS (Wi-Fi Protected Setup)

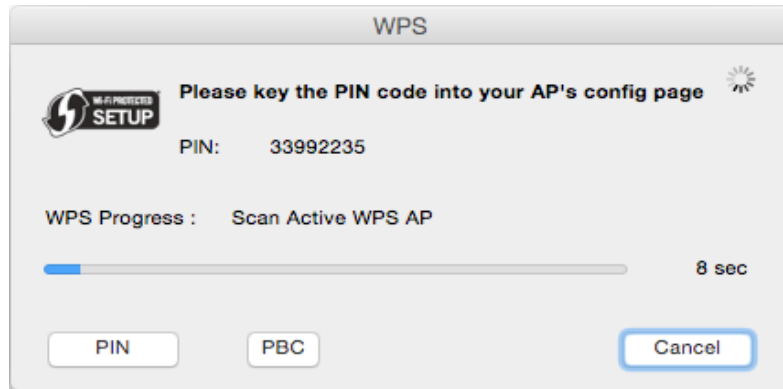
WPS can be activated via PBC (Push Button Configuration) and PIN code. Please refer to [PBC](#) or [PIN](#) below.

- **PBC**

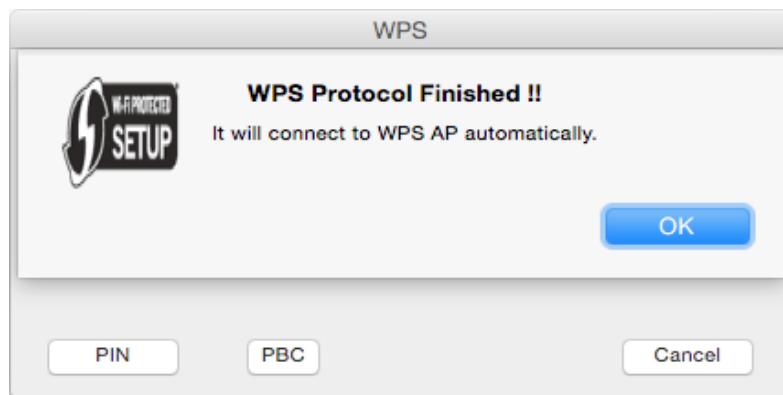
Option 1

1. Press the [WPS/QSS](#) button on your router or AP. Within 2 minutes, press and hold the [WPS](#) button on the adapter until the following WPS screen appears.



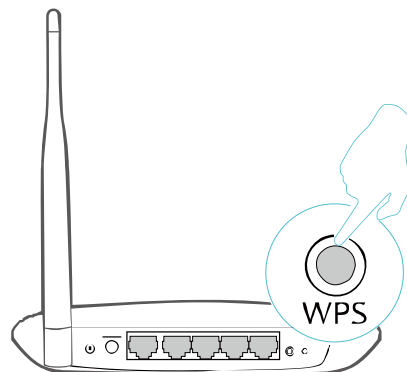



2. The following screen indicates a successful connection by WPS. Click [OK](#).

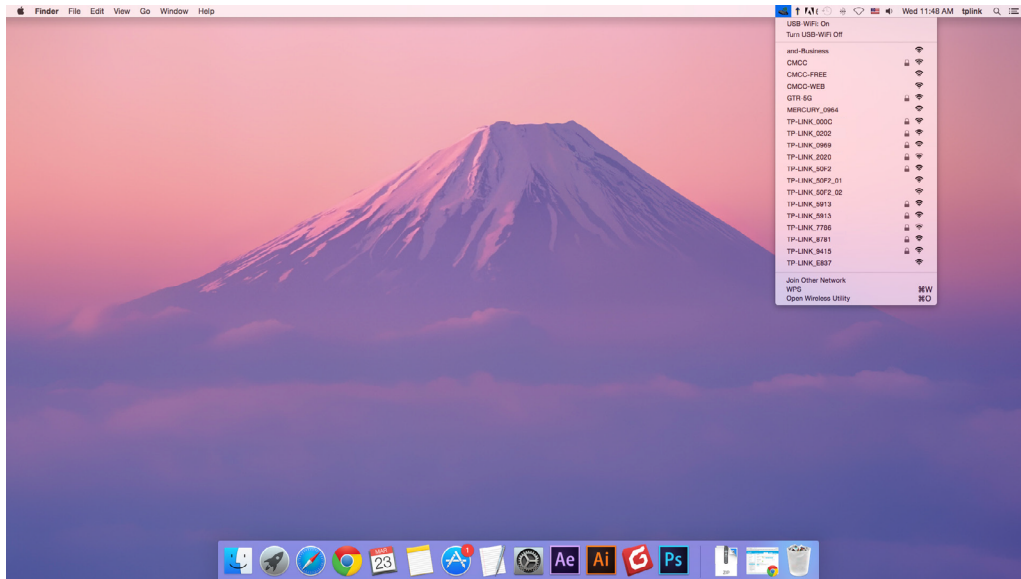


Option 2

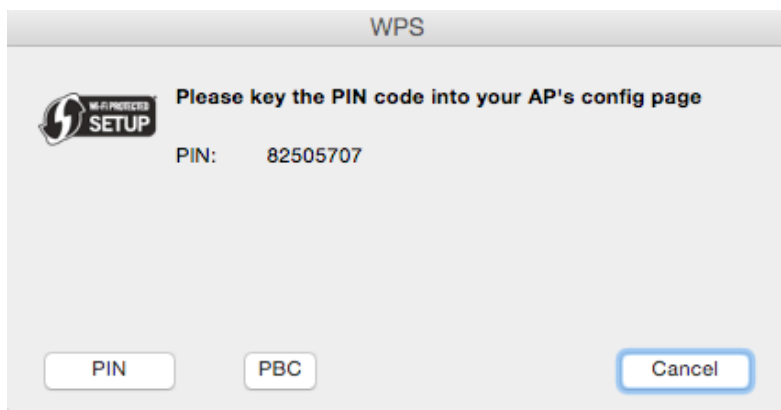
1. Press the [WPS/QSS](#) button on your router or AP.



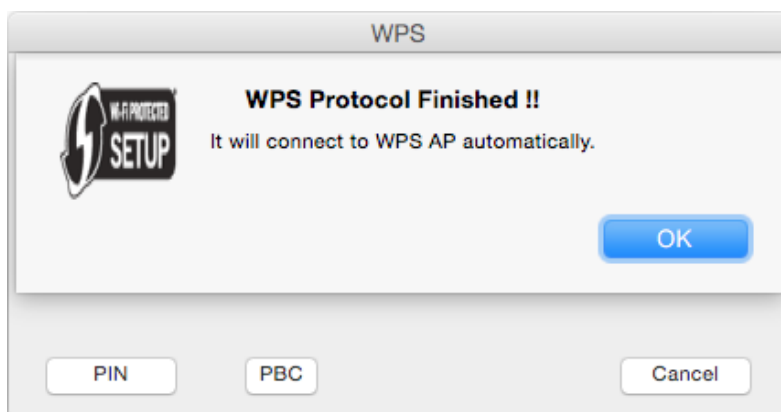
2. Within 2 minutes, click the TP-Link Utility icon  on the menu bar, and then click [WPS](#) at the bottom of the network list.




3. Click **WPS**.

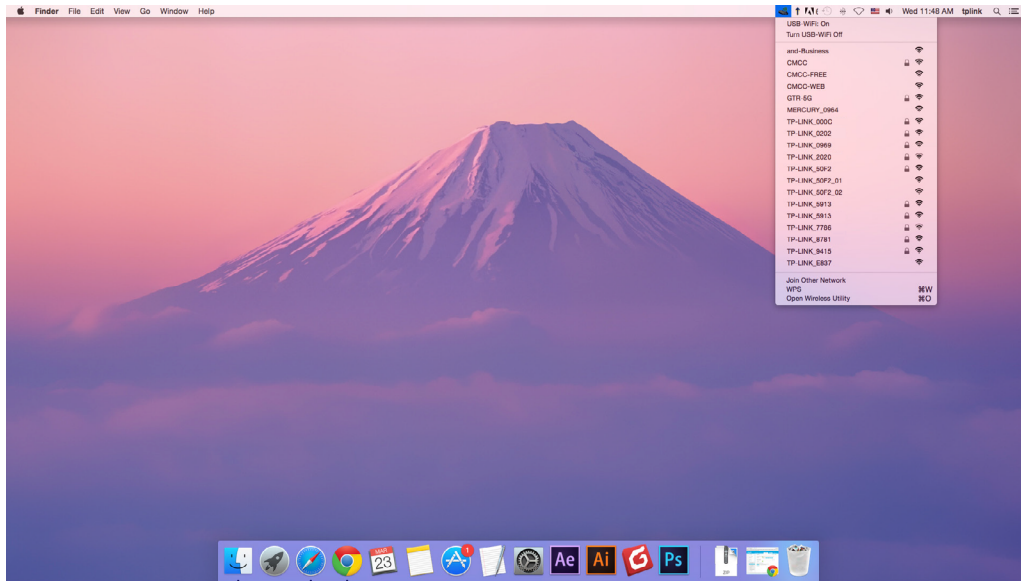


4. The following screen indicates a successful connection by WPS. Click **OK**.

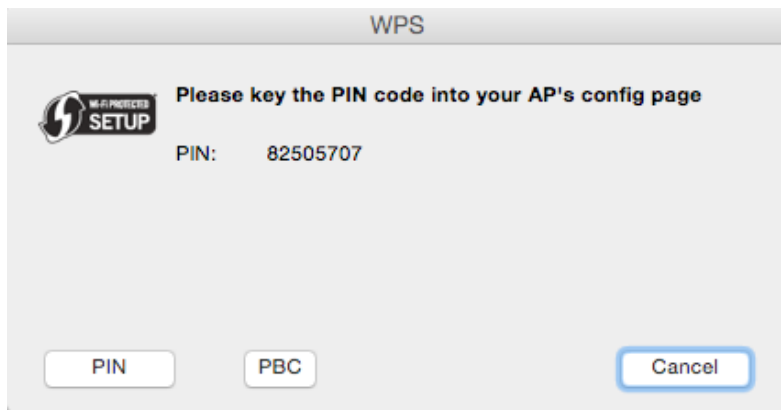


- **PIN**

1. Click the TP-Link Utility icon  on the menu bar, and then click **WPS** at the bottom of the network list.

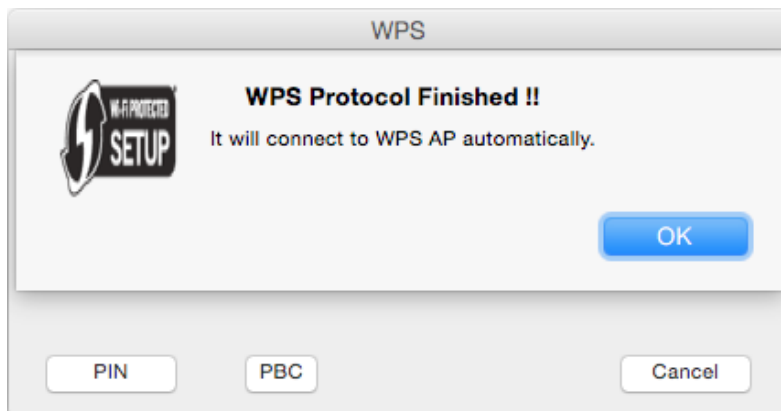


2. Click **PIN**.




3. Within 2 minutes, log in to the web management page of your router or AP. Go to its **WPS** page, enter the PIN of the adapter in the corresponding field and click **Connect**.

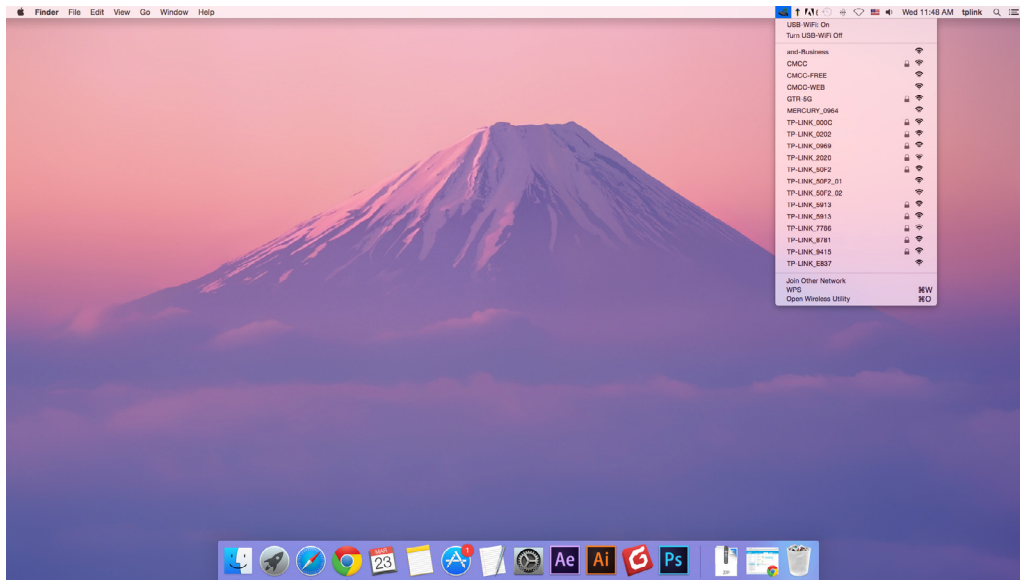
4. The following screen indicates a successful connection by WPS. Click **OK**.



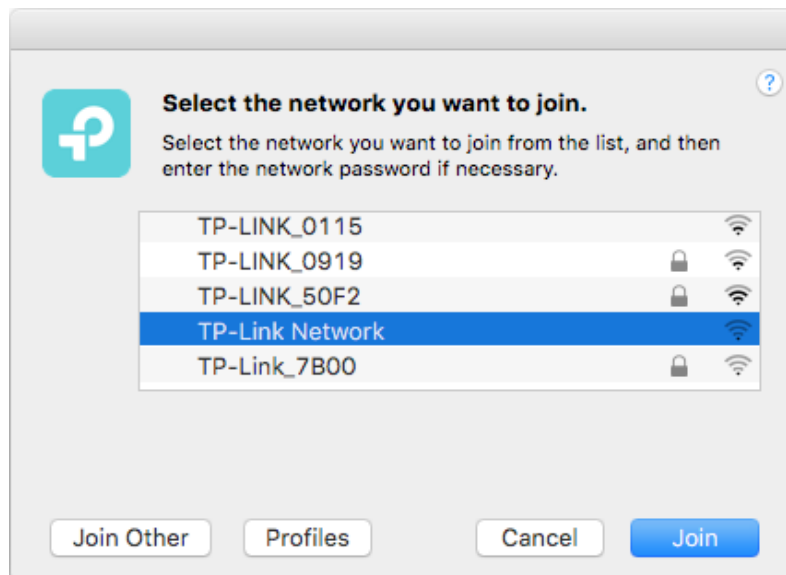
4.3. Management

TP-Link Utility provides you with an easy way to manage various connection settings of your Wi-Fi network.

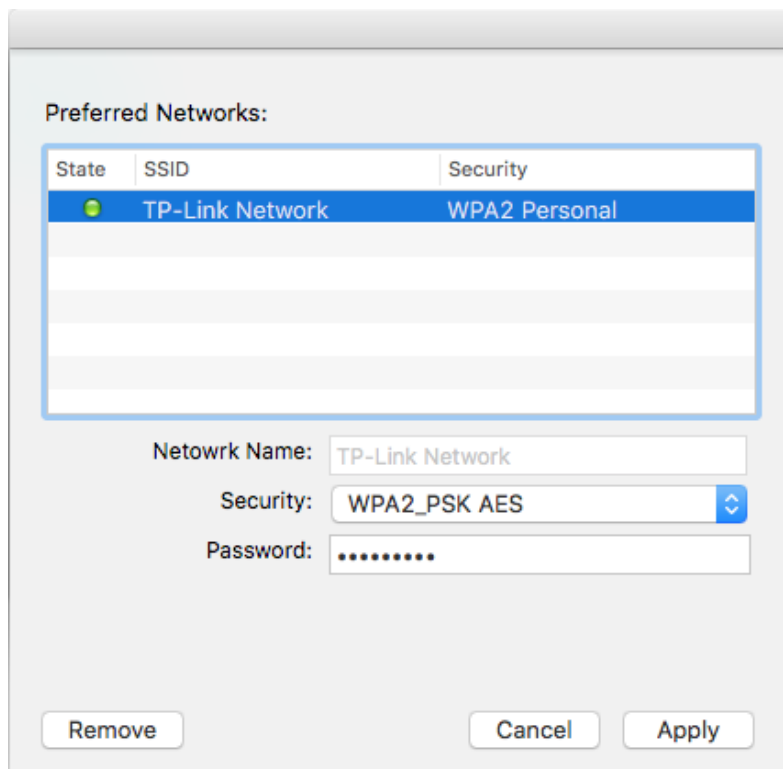
1. Click the TP-Link Utility icon  on the menu bar, and then click [Open Wireless Utility](#) at the bottom of the network list.



2. TP-Link Utility will pop up. Click the [Profiles](#) button to open the Profiles screen.



3. The [Profiles](#) screen lets you manage different Wi-Fi connection settings as profiles so that you can connect to your network easily.



[Preferred Networks](#) displays the networks that you once connected to. The networks' status and information are displayed on the table.

- To join a Wi-Fi network

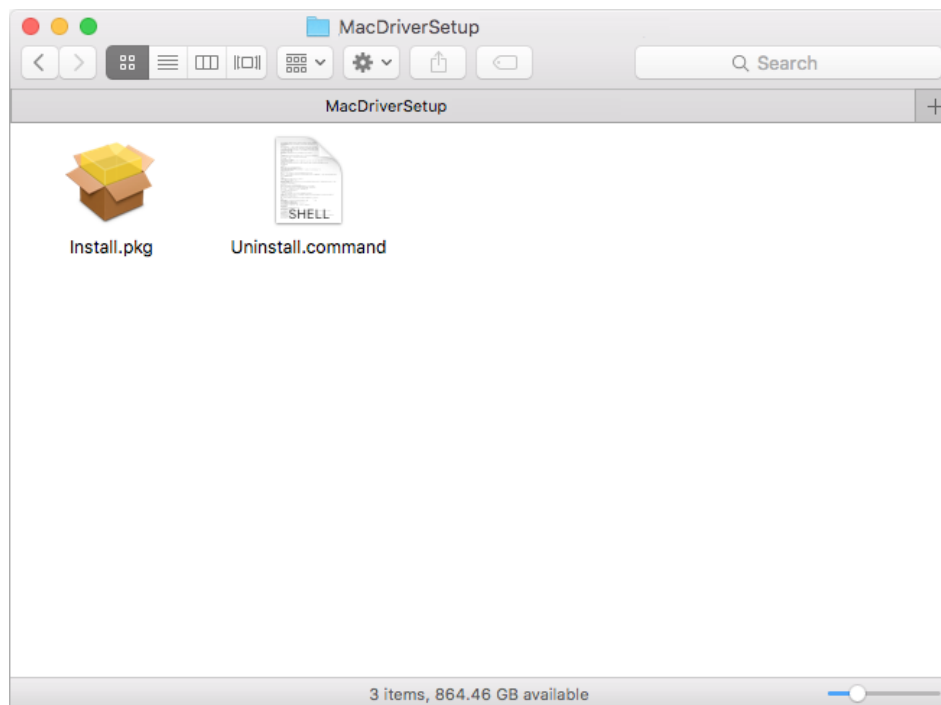
If you want to join a Wi-Fi network that is listed on the profile screen, select the profile and click [Apply](#) in the bottom right corner.

- To manage an existing profile

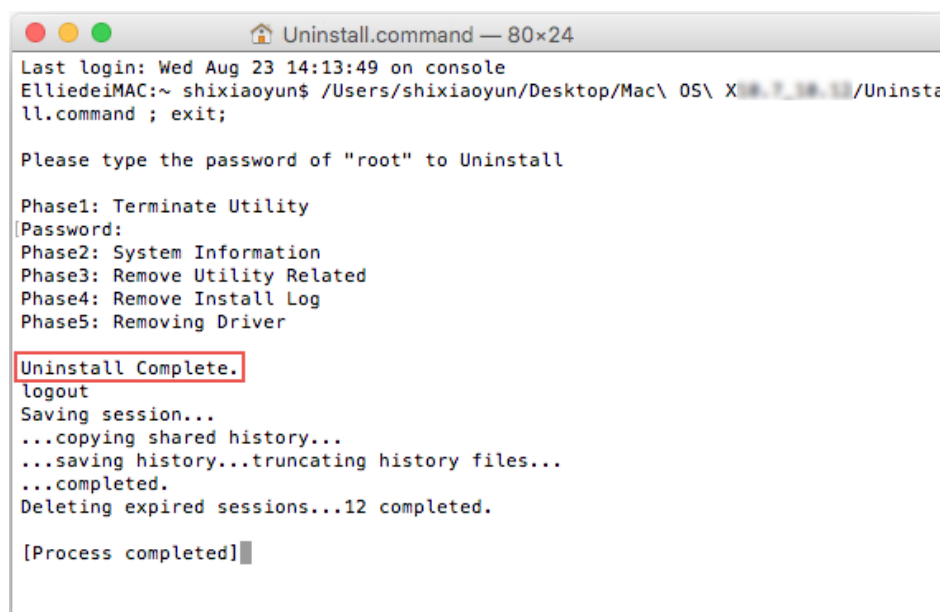
If you want to change the wireless settings of an existing profile, select it and then you can edit its [Security](#) and [Password](#). If you want to delete a profile, select it and click [Remove](#).

4. 4. Uninstall Driver and Utility

1. Double click [Uninstall.command](#) in the downloaded folder.



2. Enter the password of your computer and when the “Uninstall Complete” message appears, the uninstallation is complete.



```
Uninstall.command — 80x24
Last login: Wed Aug 23 14:13:49 on console
Elliedeimac:~ shixiaoyun$ /Users/shixiaoyun/Desktop/Mac\ OS\ X\ 8.7.10.10/Uninstall.command ; exit;

Please type the password of "root" to Uninstall

Phase1: Terminate Utility
Password:
Phase2: System Information
Phase3: Remove Utility Related
Phase4: Remove Install Log
Phase5: Removing Driver

Uninstall Complete.
logout
Saving session...
...copying shared history...
...saving history...truncating history files...
...completed.
Deleting expired sessions...12 completed.

[Process completed]
```

Chapter 5

Linux

Visit the TP-Link's website at <http://www.tp-link.com>, and go to TL-WN8200ND's product page. Then find the compatible version of driver in the support page. Download and install the driver on your computer.

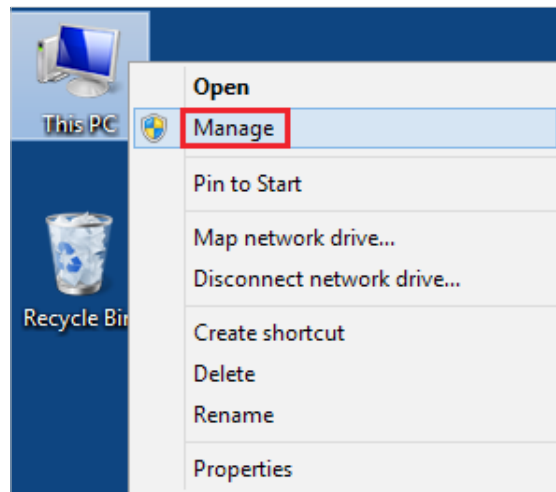
Appendix: Troubleshooting

T1. What should I do if the adapter is not detected?

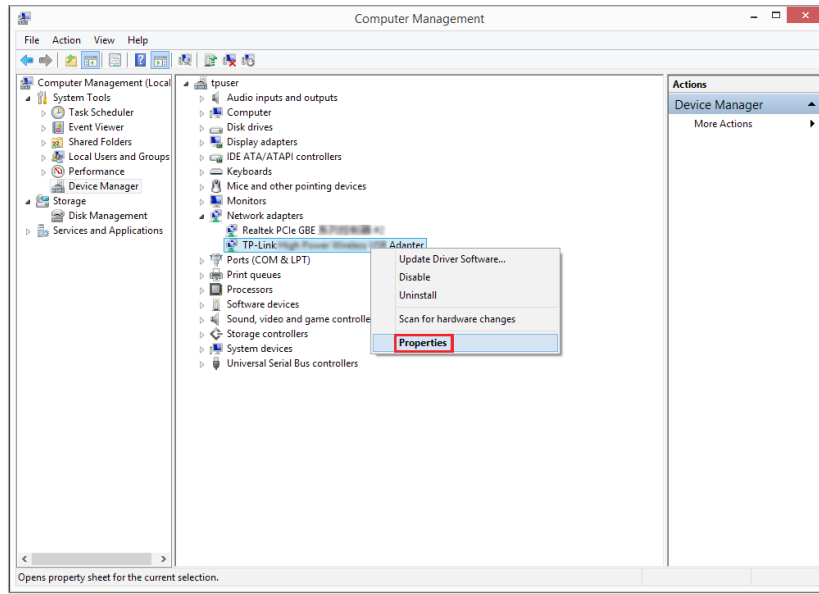
- Make sure the adapter is securely connected to the computer.
- Make sure you meet the minimum system requirements for the adapter and that the latest Windows and system updates are installed on your computer.
- Make sure you use the latest driver for your specific adapter. The latest drivers can be found at the product's Support page at <http://www.tp-link.com>.
- Try a different USB port on the computer.
- Try restarting the computer or try using the adapter on a different computer.

T2. How to check if I have installed the driver for my adapter successfully or not?

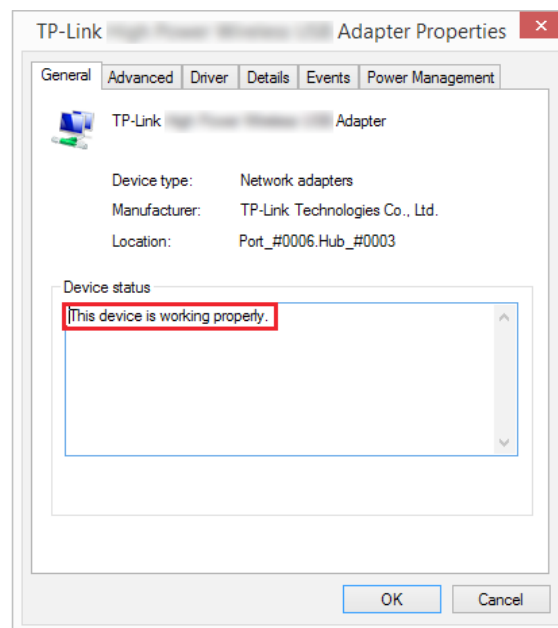
1. On your computer, please right click Computer icon and go to [Manage](#);



2. Open the [Device Manager](#) and go to [Network adapters](#), and then find the corresponding TP-Link adapter, right click it and then go to [Properties](#);



3. If you can see "This device is working properly." in the red box, you have already installed the driver successfully.



T3.What should I do if can't connect to the Wi-Fi after installing the driver?

- Refer to T2 to check if you have installed the driver for your adapter successfully .
- Make sure the adapter is securely connected to the computer.
- Disable the antivirus software and firewall, then try again.
- Try a different USB port on the computer.
- Restart your computer and try again.

- Re-install the driver and try again.

T4. How to find the hardware version of the adapter?

- The hardware version is printed on the product label on the package or the adapter. There is a character string "Ver:X.Y" (for example, Ver:2.0) in the Serial Number field, and the number X is the hardware version of the adapter.



- Visit <http://www.tp-link.com/faq-46.html> and follow the second method to find the hardware version of the adapter.

CE Mark Warning



This is a class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

OPERATING FREQUENCY(the maximum transmitted power)

2412MHz—2472MHz(20dBm)

EU declaration of conformity

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/53/EU, 2011 /65/ EU and (EU) 2015/863.

The original EU declaration of conformity may be found at <https://www.tp-link.com/en/support/ce/>

RF Exposure Information

This device meets the EU requirements (2014/53/EU Article 3.1a) on the limitation of exposure of the general public to electromagnetic fields by way of health protection.

This device has been tested and meets the ICNIRP exposure guidelines and the European Standard EN 62209-2. SAR is measured with this device at a separation of 0.5 cm to the body, while transmitting at the highest certified output power level in all frequency bands of this device. Carry this device at least 0.5 cm away from your body to ensure exposure levels remain at or below the as-tested levels.

UK Declaration of Conformity

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of the Radio Equipment Regulations 2017. The original UK Declaration of Conformity may be found at <https://www.tp-link.com/support/ukca/>



Продукт сертифіковано згідно с правилами системи УкрСЕПРО на відповідність вимогам нормативних документів та вимогам, що передбачені чинними законодавчими актами України.




Safety Information

- Keep the device away from water, fire, humidity or hot environments.
- Do not attempt to disassemble, repair, or modify the device. If you need service, please contact us.
- Do not use damaged charger or USB cable to charge the device.
- Do not use the device where wireless devices are not allowed.
- This USB Adapter can be powered only by computers that comply with Limited Power Source(LPS).

Please read and follow the above safety information when operating the device. We cannot guarantee that no accidents or damage will occur due to improper use of the device. Please use this product with care and operate at your own risk.

Explanation of the symbols on the product label

| Symbol | Explanation |
|---|--|
|  | <p>RECYCLING</p> <p>This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment.</p> <p>User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment.</p> |