





Quick Installation Guide  

**TEW-646UBH**

1.01

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## Package Contents

- TEW-646UBH
- CD-ROM (Utility and User's Guide)
- Multi-Language Quick Installation Guide

## System Requirements

- USB port: 2.0 or 1.1 (Disclaimer: When connecting the TEW-646UBH to a USB 1.1 port, the maximum speed is 12Mbps)
- CD-ROM Drive

## Software Utility Requirements

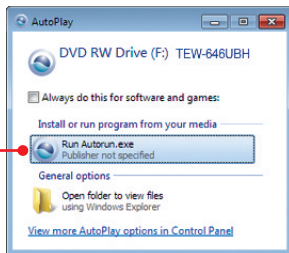
Supported Operating Systems	CPU	Memory
Windows 7 (32/64-bit)	1GHz or above	1GB RAM or above
Windows Vista (32/64-bit)	800MHz or above	512MB RAM or above
Windows XP (32/64-bit)/2000	300MHz or above	256MB RAM or above
Mac OS X (10.6)	Intel Processor	1GB RAM or above
Mac OS X (10.5)	867MHz or above	512MB RAM or above
Mac OS X (10.4)	333MHz or above	256MB RAM or above

## 2. How to Install

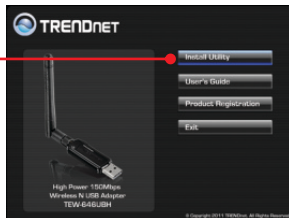
**Important!** DO NOT install the TEW-646UBH in the computer until instructed to do so. Note: For Mac OS X (10.4-10.6) instructions please refer to the User's Guide. The Mac drivers can be found in the Mac OS X folder on the Utility and User's Guide CD-ROM drive.

1. Insert the **Utility & User's Guide CD-ROM** into your computer's CD-ROM Drive.

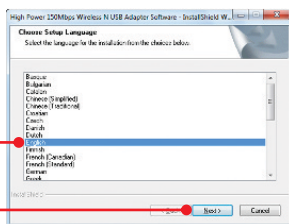
2. Click **Run Autorun.exe** (Windows 7/Vista only).



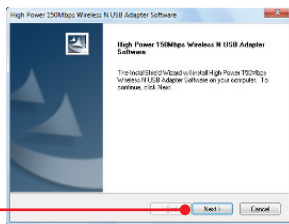
3. Click **Install Utility**.



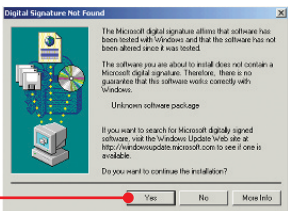
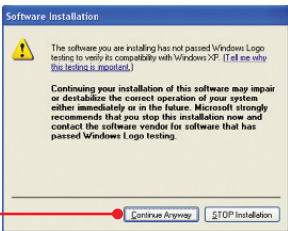
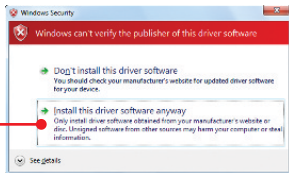
4. Choose the desired language and then click **Next**.



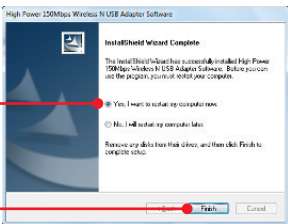
5. Click **Next**. Then follow the **InstallShield Wizard** instructions.



6. Click **Install this driver software anyway** (Windows 7/Vista). Click **Continue Anyway** (Windows XP). Click **Yes** (Windows 2000).



7. Select **Yes, I want to restart my computer now** and then click **Finish**.



8. Remove the Utility & User's Guide CD from your CD-ROM drive.

9. Screw in the antenna to the TEW-646UBH.



10. Connect the TEW-646UBH to an available USB port on your computer.



**Note:**

For Windows 7/Vista, drivers will install automatically. Proceed to section 3 **Using the Wireless Adapter**. For Windows XP, continue on to step 11. For Windows 2000, continue on to step 15.

## Windows XP

ENGLISH

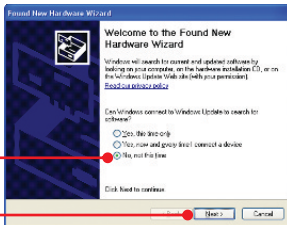
FRANÇAIS

DEUTSCH

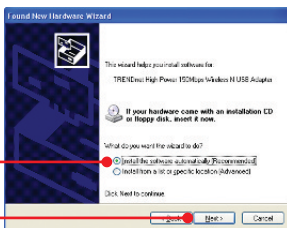
ESPAÑOL

РУССКИЙ

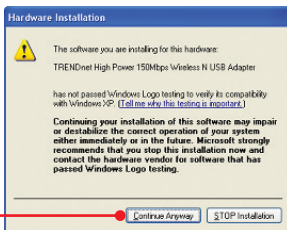
11. The Found New Hardware Wizard appears. Select **No**, not this time and then click **Next**.



12. Select **Install this software automatically (recommended)** and then click **Next**.



13. Click **Continue Anyway**.



14. Click **Finish**.



## Windows 2000

15. Click **Yes** (Windows 2000).



### Your installation is now complete

For detailed information regarding the **TEW-646UBH** configuration and advanced settings, please refer to User's Guide included on the Utility CD-ROM, or TRENDnet's website at <http://www.trendnet.com>.

ENGLISH

FRANÇAIS

DEUTSCH

ESPAÑOL

РУССКИЙ

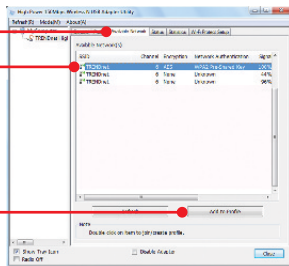


### 3. Using the Wireless Adapter

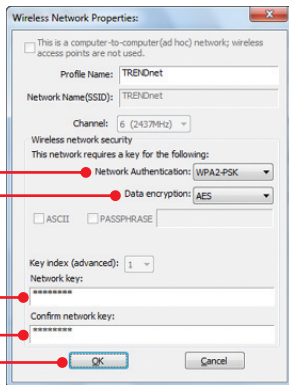
1. Double-click on the **High Power 150Mbps Wireless N USB Adapter Utility** icon on your desktop.



2. Click **Available Network**, select the SSID (Wireless Network Name) and then click **Add to Profile**.



3. If Encryption is enabled on your wireless network (e.g. access point or wireless router), select the type of **Network Authentication** and **Data Encryption**, enter the network encryption key, confirm (retype) the network key and then click **OK**.



### Wireless configuration is now complete

For detailed information regarding the **TEW-646UBH** configuration and advanced settings, please refer to User's Guide included on the Utility CD-ROM, or TRENDnet's website at <http://www.trendnet.com>.

### Register Your Product

To ensure the highest level of customer service and support, please take a moment to register your product Online at: [www.trendnet.com/register](http://www.trendnet.com/register)

Thank you for choosing TRENDnet.

## 1. I inserted the Utility & User's Guide CD-ROM into my computer's CD-ROM Drive and 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 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 Drive, 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, 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.

## 2. I completed all the steps in the quick installation guide, but my Wireless USB Adapter is not connecting to my wireless network (e.g. wireless router or access point). What should I do?

1. Verify that the SSID (Network Name) matches your wireless router or access point's SSID (Network Name).
2. Please check with your network administrator for the security key in order to access a secured wireless access point or router. Please refer to the User's Guide for more information regarding wireless network security.
3. Check your TCP/IP properties to ensure that Obtain an IP address automatically is selected.
4. Double-click the USB Adapter Utility icon, click Available Network and then click Refresh to check and see if there are any available wireless networks listed.
5. Please refer to the Wireless tips section if you continue to have wireless connectivity problems.

## 3. Windows is unable to recognize my hardware. What should I do?

1. Make sure your computer meets the minimum requirements as specified in Section 1 of this quick installation guide.
2. You must complete the installation of the USB Adapter Utility (as described in Section 2) before connecting the Wireless USB Adapter to your computer.
3. Connect the Wireless USB Adapter to a different USB port on your computer.

## 4. I cannot open the USB Adapter Utility. What should I do?

Access your device manager to make sure the adapter is installed properly.

1. To access the device manager on Windows 7, click on the Windows icon on the bottom left-hand corner, click **Computer**, click **System Properties** and then click **Device Manager**.
2. To access the device manager on Windows Vista, right-click **Computer**, click **Properties** and then click **Device Manager**.
3. To access the device manager on Windows XP, right-click **My Computer**, click **Properties**, click the **Hardware** tab, and then click **Device Manager**.

### If you see a networking device with a yellow question mark or exclamation point:

1. Uninstall the device from device manager
2. Remove the adapter from the computer
3. Click the Windows / Start icon, click All Programs, click TRENDnet and then click Uninstall.
4. Reinstall the adapter. See **Section 2. How to Install**.

If you still encounter problems or have any questions regarding the **TEW-646UBH**, please refer to the User's Guide included on the Utility & User's Guide CD-ROM or 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 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 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



## Company Information:

Company Name:  
TRENDnet, Inc.

Company Address:  
20675 Manhattan Place  
Torrance, CA 90501  
USA

## Product Information:

Product Description:  
150Mbps Mini Wireless N USB Adapter



Model Number:  
TEW-646UBH

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 V2.1.1: 05-2009  
EN 62311 : 2008  
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.*

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

Sonny Su

Full Name

January 10, 2011

Date

Director of Technology

Position / Title

Signature

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The source codes are available for download from TRENDnet's web site ([http://trendnet.com/downloads/list\\_gpl.asp](http://trendnet.com/downloads/list_gpl.asp)) for at least three years from the product shipping date.

You could also request the source codes by contacting TRENDnet.

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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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- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received. Including interference that may cause undesired operation.



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