TRENDNET®

Quick Installation Guide 🇺🇸 🇬🇧

TEW-648UB
1.03

Table of Contents

Package Contents

• TEW-648UB
• Utility & Driver CD-ROM
• Multi-Language Quick Installation Guide

System Requirements

• USB port: 2.0 or 1.1
• CD-ROM Drive
• CPU: 300MHz or above / 800MHz or above (Windows Vista) / 1GHz above (Windows 7)
• Memory: 256MB RAM or above / 512MB RAM or above (Windows Vista) / 1GB RAM above (Windows 7)
• Windows 2000/XP/Vista/7

Important! DO NOT install the USB Adapter in the computer until instructed to do so

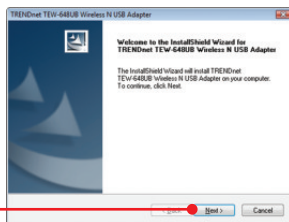1. Insert the Utility & Driver CD-ROM into your computer's CD-ROM Drive.

2. Click Run autorun.exe (Windows Vista/7 only).
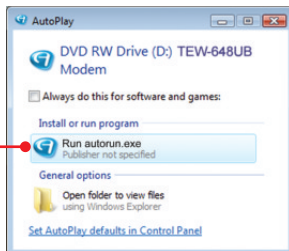
3. Click Install Utility.

4. Click Next. Then follow the InstallShield Wizard instructions.
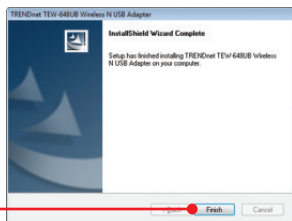
5. Click Yes (Windows 2000).

5. Click Continue Anyway (Windows XP).
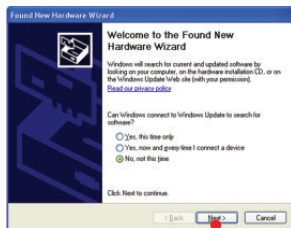
6. Click Finish (Windows XP/Vista).

7. Remove the Utility & Driver CD-ROM from your CD-ROM drive.

8. Connect the wireless adapter to an available USB port on your computer.

Note: For Windows Vista/7, drivers will install automatically. Proceed to section 3 Using the Wireless Adapter. For Windows 2000 and XP, continue on to step 9.

Windows XP

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

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

Windows 2000

9. Click Yes.

10. Driver installation is complete. Continue on to Section 3 Using the Wireless Adapter.

Windows XP

11. Click Continue Anyway.

12. Click Finish.

Your Installation is complete

1. On the bottom right-hand corner of the screen, double-click click on the wireless configuration utility icon.

ENGLISH
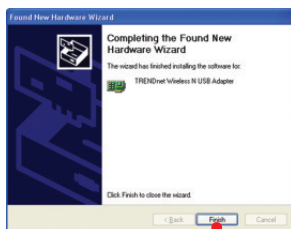
2. Click Site Survey, select the SSID and then click Connect.

FRANÇAIS
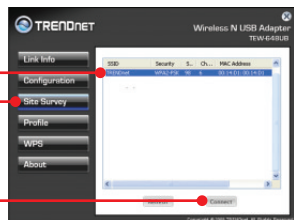
3. If Encryption is enabled on your access point or wireless router, select the Authentication and Encryption, enter the encryption key and then click Apply.

DEUTSCH

ESPAÑOL
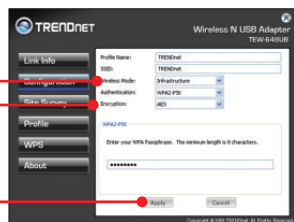
Wireless configuration is now complete

For detailed information regarding the TEW-648UB 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

Thank you for choosing TRENDnet

I inserted the Utility & Driver CD-ROM into my computer's CD-ROM Drive and the installation menu does not appear automatically. What should I do?

1. For Windows 2000/XP, if the installation menu does not appear automatically, click Start, click Run, and type D:\autorun 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 Driver, and then press the ENTER key on your keyboard.
3. 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 Driver, and then press the ENTER key on your keyboard.

I completed all the steps in the quick installation guide, but my Wireless USB Adapter is not connecting to my access point. What should I do?

1. Verify that the SSID matches your wireless router or access point's SSID.
2. Please check with your network administrator for the security key in order to access a secured wireless access point or router. 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 Wireless Configuration Utility icon, click Site Survey and then click Refresh to check and see if there are any available wireless networks listed.

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 Wireless Configuration 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.

I cannot open the Wireless Configuration Utility. What should I do?

Access your device manager to make sure the adapter is installed properly. If you see a networking device with a yellow question mark or exclamation point, you will need to reinstall the device and/or the drivers.

1. To access the device manager on Windows 2000/XP, right-click My Computer, click Properties, click the Hardware tab, 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 7, click on the Windows icon on the bottom left-hand corner, click Computer, click System Properties and then click Device Manager.

If you still encounter problems or have any questions regarding the TEW-648UB, please refer to the User's Guide included on the Utility & Driver 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.

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 Mini Wireless N USB Adapter

CE 0560 (!)

Model Number:
TEW-648UB

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 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	Director of Technology
Name (Full Name)	Position / Title
July 17, 2009	
Date	Legal Signature

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.

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Product Warranty Registration

Please take a moment to register your product online.
Go to TRENDnet's website at http://www.trendnet.com/register