TRENDNET®

Quick Installation Guide

TEW-684UB
1.01

Table of Contents

Package Contents
• TEW-684UB
• CD-ROM (Utility and User's Guide)
• Multi-Language Quick Installation Guide
• USB cable (100 cm / 3.28 ft)

System Requirements

• USB port: 2.0 or 1.1 (Disclaimer: When connecting the TEW-684UB 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	300MHz or above	256MB RAM or above

2. How to Install

Important! DO NOT install the TEW-684UB in the computer until instructed to do so.

1. Insert the **Utility & User's Guide CD-ROM** into your computer's CD-ROM Drive.
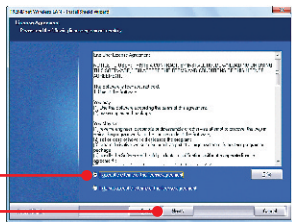
2. Click **Run Autorun.exe** (Windows 7/Vista only).
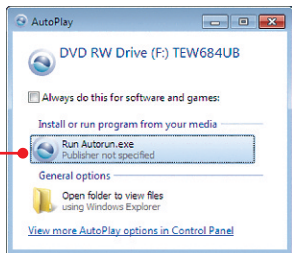
3. Click **Install Utility**.

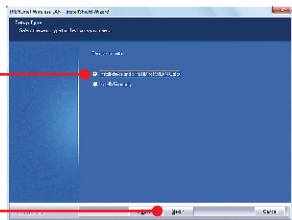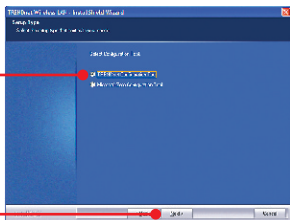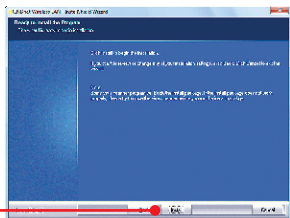**4.** Click **I accept the terms of the license agreement** and then click **Next**.

5. Select **Install driver and TRENDnet WLAN utility** and then click **Next.**

6. Select **TRENDnet Configuration Tool** and then click **Next** (Windows XP).

7. Click **Install**.

8. Click **Finish**.
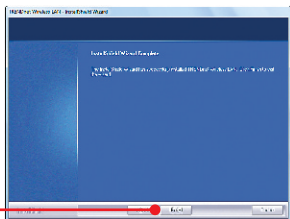
9. With the provided USB cable, connect the Micro-B end of the USB cable into the TEW-684UB.

10. Connect the Type A end (the other end of the USB cable) to an available USB port on your computer.

11. The computer will automatically detect and install the drivers.

Your installation is now complete

For detailed information regarding the **TEW-684UB** configuration and advanced settings, please refer to User's Guide included on the Utility & Driver CD-ROM or TRENDnet's website at http://www.trendnet.com.

ENGLISH

FRANÇAIS

DEUTSCH

ESPAÑOL

РУССКИЙ

1. On the bottom right-hand corner of the screen, double-click on the TRENDnet Wireless Utility icon. On Windows 7, if the icon does not appear, click the Show hidden icons arrow.
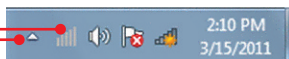
2:10 PM
3/15/2011

2. Click the **Site Survey** icon.

TRENDnet

> SSID
> Rate   > IP Address
> Channel   > Mask
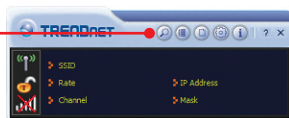
3. Select a SSID and then click **the connect icon**. The SSID is the wireless network name of your wireless network (e.g. wireless router or access point).

Site Survey

TRENDnet   100%

AP Information
SSID   TRENDnet   ..   Authentication WPA2-PSK
MAC Address 00-50-18-00-50-18 Encryption   AES
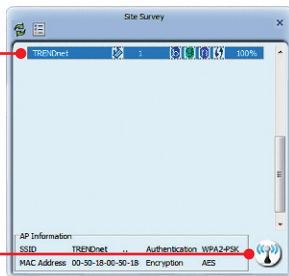
4. If Encryption is enabled on your wireless network (e.g. access point or wireless router), the correct Authentication and Encryption type should be selected. Click the **Next** icon.

Profile

Authentication   WPA2-PSK
Encryption   AES

5. Enter the Preshared Key (wireless network password) and then click **the Next icon** to save the wireless settings.

Profile

WPA Preshared Key
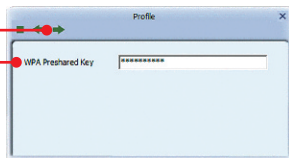
Wireless configuration is now complete

For detailed information regarding the **TEW-684UB** 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/registe**r

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 the 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 TRENDnet Wireless Utility icon, click the Site Survey icon (🔍) and then click the Rescan icon (🔁) to check if your SSID (Network Name) for your wireless network is 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 installation of the TRENDnet Wireless 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. Verify the USB Adapter's LEDs are working properly. Please see the table below:

LED/Button	Color	Sequence	Definition
⏻ Power	Green	On	Device is on
	N/A	Off	Device is off
⏻ Wireless Link/Act LED	Green	On	Wireless LAN is on or enabled
	Green	Blinking	Wireless data transmission
	N/A	Off	Wireless LAN is off or disabled
WPS WPS LED	Green	On	WPS authentication process is complete
	Green	Blinking	WPA authentication prociess is ongoing
	N/A	Off	WPS is not activated or disabled
WPS Button	N/A	N/A	Hold 3 seconds to activate WPS

4. I cannot open the TRENDnet Wireless 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-684UB,** 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

TRENDnet®

Company Information:

Company Name:
TRENDnet, Inc.

Company Address:
20675 Manhattan Place
Torrance, CA 90501
USA

Product Information:

Product Description:
450Mbps Wireless N Dual Band USB Adapter

Model Number:
TEW-684UB

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+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
Full Name	Position / Title
March 23, 2011	
Date	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.

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.

ADVERTENCIA
En todos nuestros equipos se mencionan claramente las caracteristicas del adaptador de
alimentacón necesario para su funcionamiento. El uso de un adaptador distinto al
mencionado puede producir daños fisicos y/o daños al equipo conectado. El adaptador
de alimentación debe operar con voltaje y frecuencia de la energia electrica domiciliaria
existente en el pais o zona de instalación.

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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