# **TEW-229UB Quick Installation Guide**

This Installation Guide will lead you through the installation of the 802.11b Wireless USB Adapter and the Utility Software. To establish your wireless network connection, the following steps should be executed.

- 1. Install the Utility software.
- 2. Install the 802.11b Wireless USB Adapter's driver.
- 3. Setup Wireless Network.
- 4. Configure TCP/IP Network Protocols to communicate with your network

This product is designed to operate in Windows 98, ME, 2000 and XP. The installation procedures for each operating system are similar.

## **Install the Utility Software**

- 1. Insert the Utility CD-ROM into your computer's CD-ROM drive, the installation menu window will appear automatically. If the window does not appear automatically, please click on "Start", select "Run", type in **D:\Autorun.exe**, and click "Ok" (assuming D: is the computer's CD-ROM drive letter) to start the installation.
- 2. At the "Installation Menu", click on "Install Utility", and follow the Install Shield Wizard's instructions on the screen to install the Utility.



## Install the Wireless USB Adapter Driver

After the computer boots back up, insert the Wireless USB adapter into your computer's USB port. Windows operating system will detect the "New Hardware" 802.11b Pen Size Wireless USB Adapter and driver installation window will appear automatically. Follow the installation steps and direct Windows to search the driver in the CD-ROM directory path D:\Drivers\ to install the driver (assuming D: is the drive letter of the CD-ROM drive).

#### Directory paths:

Windows 98: D:\Drivers\Windows 98 Windows ME: D:\Drivers\Windows ME Windows 2000: D:\Drivers\Windows 2000 Windows XP: D:\Drivers\Windows XP

2. After the installation, you should see the "Wireless Utility" icon displayed on the lower right hand corner of the screen (desktop).



- Blue Color icon means the Wireless USB Adapter is connecting with another wireless device or AP successfully.
- Red Color icon. means the Wireless USB adapter is not connecting to any wireless station or AP.

# Setup Wireless Network

There are two types of wireless networks, **Ad-hoc (peer to peer)** mode and **Infrastructure (AP)** mode. To setup the wireless network correctly, you will need to determine which type of wireless network you have. By using the Wireless Configuration Utility, users can configure all the functions of the Wireless USB Adapter.

### Setup Wireless USB Adapter in Ad-Hoc Mode

- 1. Double-click the utility icon 🚨 that appears in the taskbar.
- 2. Click on Monitor tab and click on Change button.

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#### Windows XP Users:

If you have problem using the Utility Program, please read the following.

- Right-click at My Network Places icon on your desktop and select Properties
- Double-click on the Wireless Network Connection icon
- Click on the Advanced button

Wireless Network Connection 3				
The following wireless network(s) are available. To access a wireless network, select it from the list, and then click Connect.				
Available wireless <u>n</u> etworks:				
INET       Wlan-g       Lab311				
This wireless network requires the use of a network key (WEP). To access this network, type the key, then click Connect.				
Cgnfirm network key:				
Enable IEEE 802.1x authentication for this network				
If you are having difficulty connecting to a network, click Advanced.				
Advanced				

- Uncheck User Windows to configure my wireless network settings option

	able <u>n</u> etworks: onnect to an available network, click Confi	aure.
1	TNET	Configure
	wlan-g Lab311	R <u>e</u> fresh
	rred networks: natically connect to available networks in t or	
Autor	natically connect to available networks in t	he order lister Move yp Move <u>d</u> owr

- Click OK and then you can configure the Wireless settings from Adapter's Utility Program

*Note: Windows XP has it's own wireless management feature. User needs to disable that so the Wireless USB Adapter Utility Program can function properly.* 

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Current Profile:	Default	•
ikor Statistics Site !	Survey   Encryption   Adva	nced Profiles Info
Operating Mode	AdHoc	
Channel	10	Change
SSID	TrendNet	Submit
Tx Rate	Auto	
Int. Roaming	Disabled	Cancel
Radio	0n 💌	1
Status	Scanning	
Signal Strength		
Link Quality	[	

- 3. Select Ad-Hoc for Operating Mode.
- 4. Select a Channel number which matches with your other wireless devices.
- 5. Type the **SSID** which matches your other wireless devices.
- 6. Click on **Submit** button to complete the setup.

# Setup Wireless USB Adapter in Infrastructure Mode

- 1. Double-click the utility icon 🔜 that appears in the taskbar.
- 2. Click on Monitor tab and click on Change button.

002 11b Box 6	ize Wireless USB Adapter	-
Jour Tib Fen S	ize wireless 05b Adapter	<u> </u>
Current Profile:	Default	•
Monitor Statistics Site 9	Survey   Encryption   Adva	nced Profiles Info
Operating Mode	Infrastructure	1
Channel	1	Change
SSID	TNET	Submit
Tx Rate	Auto	
Int. Roaming	Disabled	Cancel
Radio	On 💌	]
Status	Associated - BSSID: 00-9	0-4B-04-59-38
Signal Strength		
Link Quality	100 %	
	100 %	

- 3. Select Infrastructure for Operating Mode.
- 4. Type the SSID which matches your Access Point in the network.
- 5. Click on **Submit** button to complete the setup.

For detail information on configuring other wireless features, please refer to the User's Guide on the CD-ROM.

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# **Configure TCP/IP Network Protocol**

#### For Windows 2000/XP users:

- On the Desktop, right click on My Network Places → select Properties → right click on the Wireless Network Connection → select Properties, the Wireless Network Connection Properties Window will appear
- Under General tab, select Internet Protocol (TCP/IP) → click on Properties button, Internet Protocol (TCP/IP) Properties Window will appear

#### i. For DHCP IP address Setup

- 1. Select Obtain an IP address automatically option
- 2. Select Obtain DNS server address automatically option
- 3. Click Ok to complete.

# ii. For Static IP address Setup

- 1. Select *Use the following IP address* option and enter the IP, Subnet Mask and Default gateway addresses.
- 2. Select *Use the following DNS server address* option and enter DNS addresses.
- 3. Click OK to complete

Seneral Alternate Configuration	General	
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.	You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.	
⊙ <u>Ú</u> train an IP address automatically	O @btain an IP address automatically	
O Uge the following IP address:	<ul> <li>Uge the following IP address</li> </ul>	
JP address:	JP address:	192.168.0.51
Sybret mask:	Sybriet mask:	255.255.255.0
Default gateway.	Default gateway:	
Optain DNS server address automatically	Obtain DNS server address	automatically
O Use the following DNS server addresses:	<ul> <li>Use the following DNS service</li> </ul>	ver addresses:
Breferred DNS server:	Eneferred DNS server:	192 . 152 . 81 . 1
Alternate DNS server:	Alternate DNS server:	
Advanced.		Advanced.

## For Windows 98/ME users:

On the Desktop, right click on Network Neighborhood → select Properties
 → right click on the Wireless Network Connection → select Properties, the Wireless Network Connection Properties Window will appear

- Under Configuration tab, select 802.11b Pen Size Wireless USB Adapter (TCP/IP protocol) → click on Properties button, TCP/IP Protocol Properties Window will appear
  - i. For DHCP IP address Setup
    - 1. Select Obtain an IP address automatically option
- ii. For Static IP address Setup
  - Select Specify an IP address option and enter the IP, Subnet Mask addresses.

TCP/IP Properties		<u>? ×</u>	TCP/IP Properties		?
Bindings	Advanced	NetBIOS	Bindings	Advanced	NetBIOS
DNS Configuration	Gateway   WINS Conf	iguration IP Address	DNS Configuration	Gateway WINS Con	figuration IP Address
If your network doe	be automatically assigne es not automatically assig nistrator for an address, a	n IP addresses, ask	If your network do	be automatically assign es not automatically assign nistrator for an address,	gn IP addresses, ask
→ <sub>© Obtain an IP</sub>	address automatically		○ <u>0</u> btain an IP	address automatically	
C Specify an IP	address:		<ul> <li>Specify an IF</li> </ul>	° address:	
[P Address:			IP Address:	192.168. 0	. 51
Sybnet Mas	k:		Sybnet Mas	k: 255.255.25	5.0
Detect conne	action to network media		Detect conn	ection to network media	
	01	Cancel		0	K Cancel

Note: If your network's "Wireless Access Point" or "Wireless Router" has DHCP Server feature, for ease of configuration, please enable it and setup the wireless adapter with DHCP IP configuration. After the wireless adapter connects to the Access Point or Router, it will receive the addresses automatically.

## **Checking the Adapter's IP Address**

Windows 2000/XP: go to "start", select "run", type in cmd and click ok. At the command prompt (C:\), type in **ipconfig/all** and hit "Enter".

Windows 98/ME: go to "Start", select "Run", type in winipcfg and click "OK". From the drop-down menu, select the name of the network adapter (not the PPP Adapter). Ping Command: If you know a networked device's IP address, in the command prompt (c:\), type in ping xxx.xxx.xxx (where xxx.xxx.xxx is the device's IP address) and hit "Enter". If you see replies from this IP address, your computer should be able to communicate with this device.

# **Technical Support**

You can find the most recent driver/firmware/software and user documentations on the **TRENDware website** <u>http://www.trendnet.com</u>. **TRENDware** provides **free technical support** for all customers for the duration of the warranty period on this product.

TRENDware Technical Support Tel: +1-310-891-1100 Fax: +1-310-8911111

E-mail: support@trendware.com www.trendnet.com Monday ~ Friday, 7:30AM ~ 6:00PM Pacific Standard Time (except holidays)

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