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## **1. Introduction**

The TU2-ET100 is a high speed USB network adapter that allows you to instantly connect to a 10/100Mbps network from a USB enabled desktop or Notebook PC. Compliant with USB 2.0 and backwards compatible with the USB 1.0 and 1.1, you can share files and printers and also gain access to broadband Internet to explore valuable resources on the web.

#### Features

- Compliant with USB 2.0 and 1.1 specifications
- Compliant with IEEE 802.3 and 802.3 u standards
- Supports both full-duplex and half-duplex operations
- Supports Suspend mode and Hibernate mode to remote wake-up through link-up or magic packet
- Compliant with Windows 98SE/ME/2000/XP/Mac OS X
- Powered by USB port. No external power adapter required
- Diagnostic LEDs
- Plug & Play for easy Installation

#### **Package Contents**

Before installation, please check the items of the package. The package should contain the following items:

- TU2-ET100
- Driver CD-ROM
- Multi-Language Quick Installation Guide

#### **System Requirements**

- CPU: 300MHZ or above
- Memory: 256MB RAM or above
- Computer With An Available USB 1.1 or 2.0 Port
- Windows<sup>®</sup> 98SE/ ME / 2000 / XP(32/64-bit) / VISTA (32/64-bit); Mac OS X 10.1 ~ 10.4

#### **LED Status**

LED	Color	Description
100Mbps	Green	On for 100Mbps Off of 10Mbps or not connected
Link	Green	LAN activity. Blinking when there is data flow between LAN and the host computer.

### 2. Installation

#### Windows Vista

- 1. Insert the Driver CD-ROM into your CD-ROM Drive.
- 2. Click Run Install.exe



3. The drivers for your operating system will be automatically detected. Your operating system will be highlighted in bold. Click **Install** to install the driver.

- <b>TU2-ET100 Drivers</b> Windows 2K/XP 32bit Windows 2K/XP 64bit	<b>Windows Vista 32bit</b> Windows Vista 64bit			
Install	Cancel			

4. Click **OK** to finish the installation.

Status	×
Install	OK!
	ОК

- 5. Remove the CD-ROM from your computer's CD-ROM drive.
- 6. Connect the Adapter to an available USB port of your computer
- 7. Drivers will install automatically
- 8. Connect a RJ-45 cable from the TU2-ET100 to a Switch, Router or Cable/DSL Modem.

#### Windows XP

- 1. Insert the Driver CD-ROM into your CD-ROM Drive.
- 2. The drivers for your operating system will be automatically detected. Your operating system will be highlighted in bold. Click **Install** to install the driver.

0					
TU2-ET100	) Drive	rs			
<b>Windows</b> Windows			Windows Vista 32bit Windows Vista 64bit		
	[Install] Cancel				

3. Click **OK** to finish the installation



- 4. Remove the CD-ROM from your computer's CD-ROM drive.
- 5. Connect the Adapter to an available USB port of your computer
- 6. Drivers will install automatically
- Connect a RJ-45 cable from the TU2-ET100 to a Switch, Router or Cable/DSL Modem.

#### Windows 2000

- 1. Insert the Driver CD-ROM into your CD-ROM Drive.
- 2. The drivers for your operating system will be automatically detected. Your operating system will be highlighted in bold. Click **Install** to install the driver.

TU2-ET100 Drivers				
Windows 2K/XP 32bit Windows 2K/XP 64bit	Windows Vista 32bit Windows Vista 64bit			
Install Cancel				

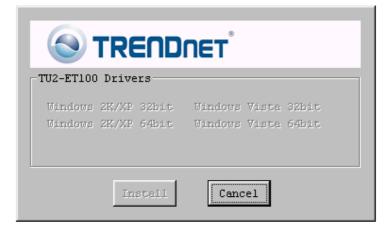
3. Click **OK** to finish the installation.

Status	<b>— X</b>
Install OK!	
0	ĸ

- 4. Remove the CD-ROM from your computer's CD-ROM drive.
- 5. Connect the Adapter to an available USB port of your computer
- 6. Drivers will install automatically
- 7. Connect a RJ-45 cable from the TU2-ET100 to a Switch, Router or Cable/DSL Modem.

#### Windows ME

1. Insert the provided CD into your CD-ROM drive, then Click Cancel.



- 2. Connect the Adapter to an available USB port of your computer
- 3. When the follow screen pop up, select **Specify the location of the driver** (Advanced)



 When the screen below appears, click Browse to navigate to x:\Driver\Win98\_ME where x: is your CD-ROM drive letter. Then click Next.

Add New Hardware Wiz	ard
	<ul> <li>Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected</li> <li>Search for the best driver for your device. (Recommended).</li> <li>Removable Media (Floppy, CD-ROM)</li> <li>✓ Specify a Jocation: <ul> <li>D:\Driver\Win98_ME</li> <li>Browse</li> </ul> </li> <li>Display a list of all the drivers in a specific location, so you can select the driver you want.</li> </ul>
	< <u>B</u> ack Next> Cancel

5. Click Next



6. Click Finish.



7. When prompted, click **Yes** to restart your computer.



8. Connect a RJ-45 cable from the TU2-ET100 to a Switch, Router or Cable/DSL Modem.

#### Windows 98SE

1. Insert the provided CD into your CD-ROM drive, then Click Cancel.

TI	U2-ET100			NET		
	Vindovs Vindovs			Vindovs Vindovs		
		In	stall	Cano	el	

- 2. Connect the Adapter to an available USB port of your computer
- 3. Upon your USB device connection, Windows will detect the new device and pop up the following screen. click **Next**.

Add New Hardware Wi	
	This wizard searches for new drivers for:
	AX88772
	A device driver is a software program that makes a hardware device work.
8.3	
	< <u>B</u> ack <b>Next</b> > Cancel

4. Select Search for the best driver for your device. Click Next.



 Select Specify a location and click Browse to navigate to x:\Driver\Win98\_ME where x: is your CD-ROM drive letter. Then click Next.

Add New Hardware Wiz	zard
	Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.         Image: CD-ROM drive         CD-ROM drive         Microsoft Windows Update         Specify a location:         F:\Driver\Win38_ME         Browse
	< <u>B</u> ack Next > Cancel

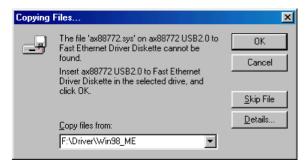
6. Click Next.



7. If the screen below appears, click **OK**.



8. In the drop-down list, select **x:\Driver\Win98\_ME** and click **OK**.



 If the system prompts you for the Windows 98SE CD-ROM, click OK. Remove the provided CD and insert the Windows 98SE CD-ROM. Then click OK again.

×

lisk	
Please insert the disk labeled 'Windows 98 Seco	nd Edition CD-ROM', and then click OK.
OK]	
g Files	×
The file 'choosusr.dll' on Windows 98 Second Edition CD-ROM cannot be found.	ОК
Insert Windows 98 Second Edition CD-ROM in the selected drive, and click OK.	Cancel
	<u>Skip File</u>
<u>C</u> opy files from:	<u>D</u> etails
E:WIN98SE	
	<b>DK g Files</b> The file 'choosusr.dll' on Windows 98         Second Edition CD-ROM cannot be found.         Insert Windows 98 Second Edition CD-ROM in the selected drive, and click OK.         Copy files from:

10. Click Finish.



11. When prompted, click **Yes** to restart your computer.

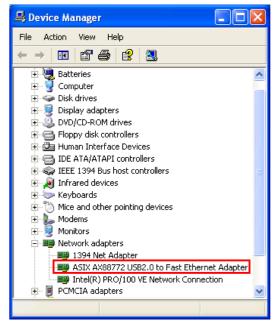
System S	Settings Change
?	To finish setting up your new hardware, you must restart your computer. Do you want to restart your computer now?
	Yes <u>N</u> o

12. Connect a RJ-45 cable from the TU2-ET100 to a Switch, Router or Cable/DSL Modem.

#### **Verifying the Driver Installation in Windows**

To verify your Ethernet adapter installation, select **Control Panel** > **System** > (Hardware) > Device Manager. In the **Network adapters** group, **ASIX AX88772 USB2.0 to Fast Ethernet Adapter** should be displayed.

If there is a question or exclamation mark next to that item, then the driver is not properly installed. Please delete the item and repeat the installation steps.



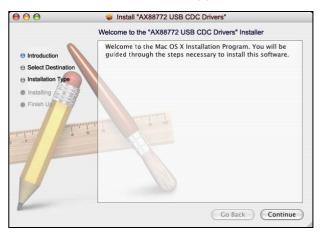
\*The example screenshot is under Windows XP.

#### Mac 10.4.x

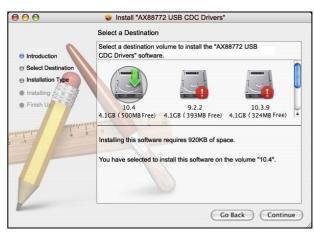
- Insert the provided CD into your CD-ROM drive. Copy the archive file under the directory of \Driver\Mac10.4\ to the desktop and then double-click the file until you locate the setup file.
- 2. Double-click the setup file "AX88772".



3. When the welcome screen appears, click **Continue**.



4. Select a destination disk to install the driver and click **Continue**.



5. Click **Continue** to start the installation.

<ul> <li>Introduction</li> <li>Select Destination</li> <li>Installation Type</li> <li>Installation</li> <li>Finish Ut</li> </ul>		Easy Install on "10.4"
	<ul> <li>Select Destination</li> <li>Installation Type</li> <li>Installing</li> <li>Finish Up</li> </ul>	package on the volume " 10.4."

6. When the **Authenticate** screen appears, enter your password in the provided field and click **OK**.

	Authenticate	
In:	staller requires that you type your passwo	ord.
Name:	test	
Password:		Ŷ
Details		
?	Cancel Cancel	ОК

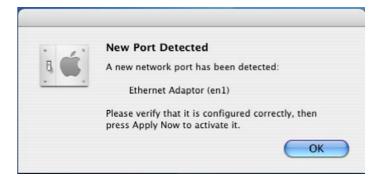
7. Click Continue Installation.



8. When the software was successfully installed, click Restart.

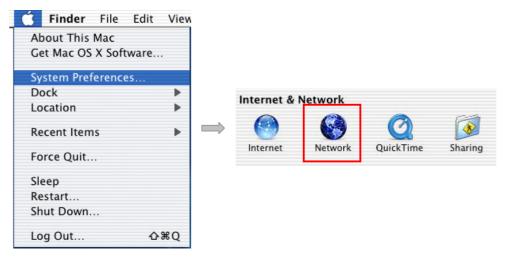


- 9. After the restart, plug the Ethernet adapter's USB cable into an available USB port on your computer. Then attach one end of an Ethernet cable to the Ethernet port on the adapter and the other end to your network switch, hub or router.
- 10. Mac system will detect the new hardware and show the name of the adapter, e.g. Ethernet Adapter (en1) as in the example below.



#### **Configuring Network Settings and Making a Connection**

 To configure the network settings of adapter, click the Apple icon and select System Preferences. Then double-click the Network icon.



 From the Show drop-down list, select the adapter to be configured, e.g., Ethernet Adapter (en1). Configure the network settings as required by your network and then click Apply Now.

000		Network	(	
Show All	Displays Sound Netwo	rk Startup Disk		
	Location: (	Automatic	•	
	Show: (	Ethernet Adaptor (en1)	•	
	TCP/IP PPP	DE AppleTalk Proxies Eth	ernet	
		Connect using PPPoE		Configure the network settings as required by
	Service Provider: Account Name:	DUBE100@dlink.com	(Optional)	your network environment.
	Password:	•••••		onvironitiona.
	PPPoE Service Name:		(Optional)	
		Save password Checking this box allows all users o access this Internet account without PPPoE Options		
		Show PPPoE status in menu ba	ır 🥐	
🔐 сна	k the lock to prevent furt	her changes. Assist me	) Apply Now	

3. To make a connection, select **Network Status** from the **Show** drop-down list and highlight the adapter representing the USB Ethernet adapter and click **Connect** to establish a network connection.

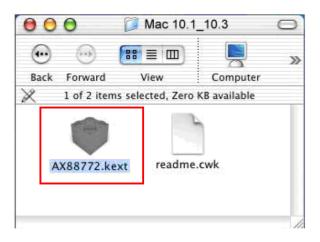
000	)		Network	C
Show All	Displays Sound	Network	Startup Disk	
	Loc	ation: A	automatic	
		Show: N	letwork Status	
•	Ethernet Adaptor (en1)	r Ether Ether	rnet Adaptor (en1) is set up to use PPPoE. The cab rnet Adaptor (en1) is not plugged in.	le for
•	Internal Modem	Inter	nal Modem is not set up.	
		Conf	figure) Connect)	?
0	lick the lock to pre			

#### Mac OS X 10.1.x ~ 10.3.x

1. Insert the provided driver CD into your CD-ROM drive. Double-click the CD and navigate to the directory of **/Driver/Mac10.1\_10.3**.



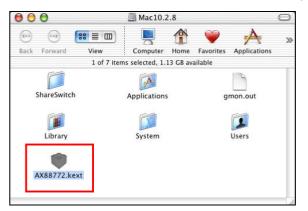
2. In the directory of **Mac10.1\_10.3**, select and copy the folder named **AX88772.kext**.



3. On the desktop, double-click the start-up drive.



4. Paste the **AX88772.kext** to the root directory of the disk.



5. Open the terminal application by clicking **Go** > **Application** > **Utilities** > **Terminal**.

00	📁 Utilities	e
	31 items, 1.13 GB available	e
G		8
NetInfo Manager	Network Utility	ODBC Administrator
	-t~	
Print Center	Process Viewer	Stufflt Expander
>		
Terminal	Asia Text Extras	Java

6. If there is one old driver in the **Extensions** directory, please remove it first by executing the command:

sudo rm -R /System/Library/Extensions/AX88772.kext

You will need to enter your password as prompted.

 Image: Constraint of the system
 Terminal — ttyp1

 Last login: Mon Jun 7 06:57:55 on console
 Image: Constraint of the system

 Welcome to Darwin!
 Image: Constraint of the system

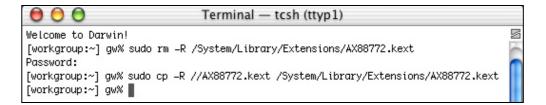
 [workgroup:~] gw% sudo rm -R /System/Library/Extensions/AX88772.kext
 Image: Constraint of the system

 Password:
 Image: Constraint of the system

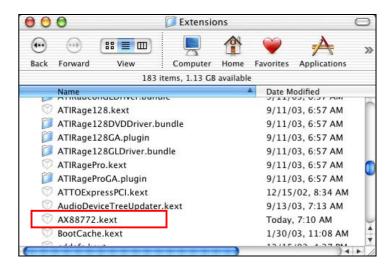
 [workgroup:~] gw%
 Image: Constraint of the system

7. Paste the driver to the **Extensions** folder by the command line below:

sudo cp -R //AX88772.kext /System/Library/Extensions/AX88772.kext



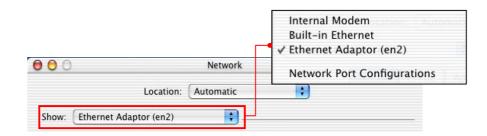
To verify the installation, you can go to **/System/Library/Extensions** to check if **AX88772.kext** is present.



- 8. Connect the Ethernet adapter to a free USB port.
- 9. Reboot your Mac.
- 10. Start System Preferences and select Network.

📫 Finder File Edit Vie	ew				
About This Mac					
Get Mac OS X Software					
System Preferences					
Dock 🕨	•	Internet & N	latwork		
Location 🕨	•	internet a i	EWOIK	-	
Recent Items	$ \rightarrow $			Q	
Force Quit		Internet	Network	QuickTime	Sharing
Sleep					
Restart					
Shut Down					
Log Out 企業Q	1				

11. You will find that a new Ethernet network interface is available. It's usually named **Ethernet Adapter (en1)** or **Ethernet Adapter (en2)**.



Now you are ready to configure the network settings for network access.



You must use the command line to install the driver as instructed above. Simply copy and paste **AX88772.kext** to the **Extensions** folder will lead to an improper installation as the warning message below:

A Sy	stem extension cannot be used.
AX be	e system extension "/System/Library/Extensions/ 88772.kext" was installed improperly and cannot used. Please try reinstalling it, or contact the oduct's vendor for an update.

# 3. Specifications

Hardware				
Standards	USB 2.0, 1.1			
	IEEE 802.3: 10Base-T			
	IEEE 802.3u: 100Base-TX			
Data Transfer Rate	Ethernet: 10Mbps/20Mbps (Half/Full Duplex)			
	Fast Ethernet: 100Mbps/200Mbps (Half/Full Duplex)			
Embedded Buffers	20KB SRAM for RX Packets Buffering			
	8KB SRAM for TX Packets Buffering			
Supported OS	Windows 98SE/ME/2000/XP(32-bit/64-bit) /Vista			
	(32-bit/64-bit), Mac OS 10-1 ~10.4			
LEDs	100Mbps, Link			
Power	Bus-Powered			
Power Consumption	850mW			
Power Management	Suspend Mode			
	Hibernate Mode			
Temperature	Operating: 0° C~ 40° C (32° F~ 104° F)			
	Storage: -10° C~ 55° C (14° F~ 131° F)			
Humidity	85% (Non-Condensing)			
Certification	FCC, CE			

### **Limited Warranty**

TRENDnet its products against defects in material and workmanship, under normal use and service, for the following lengths of time from the date of purchase.

TU2-ET100-5 Years Warranty

If a product does not operate as warranted above during the applicable warranty period, TRENDnet shall, at its option and expense, repair the defective product or part, deliver to customer an equivalent product or part to replace the defective item, or refund to customer the purchase price paid for the defective product. All products that are replaced will become the property of TRENDnet. Replacement products may be new or reconditioned.

TRENDnet shall not be responsible for any software, firmware, information, or memory data of customer contained in, stored on, or integrated with any products returned to TRENDnet pursuant to any warranty.

There are no user serviceable parts inside the product. Do not remove or attempt to service the product by any unauthorized service center. This warranty is voided if (i) the product has been modified or repaired by any unauthorized service center, (ii) the product was subject to accident, abuse, or improper use (iii) the product was subject to conditions more severe than those specified in the manual.

Warranty service may be obtained by contacting TRENDnet office within the applicable warranty period for a Return Material Authorization (RMA) number, accompanied by a copy of the dated proof of the purchase. Products returned to TRENDnet must be pre-authorized by TRENDnet with RMA number marked on the outside of the package, and sent prepaid, insured and packaged appropriately for safe shipment.

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AC/DC Power Adapter, Cooling Fan, and Power Supply carry - 1 Year Warranty



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

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