TRENDNET®

User's Guide

TU2-ET100

Table of Contents

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 802.3u 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
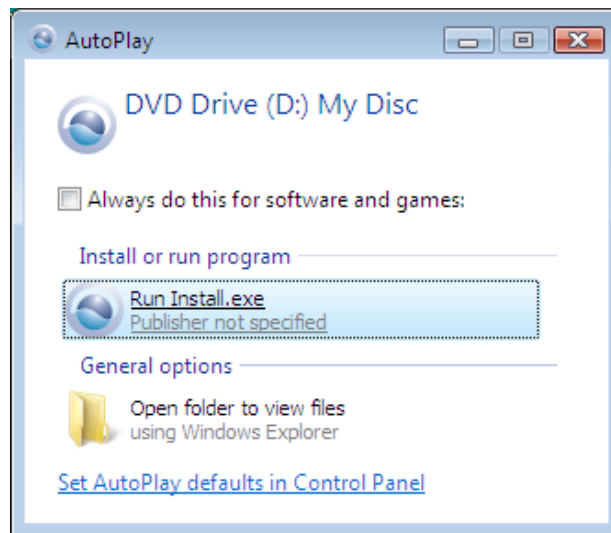- Windows$^{®}$ 98SE/ ME / 2000 / XP(32/64-bit) / VISTA (32/64-bit); Mac OS X 10.1 ~ 10.4

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.
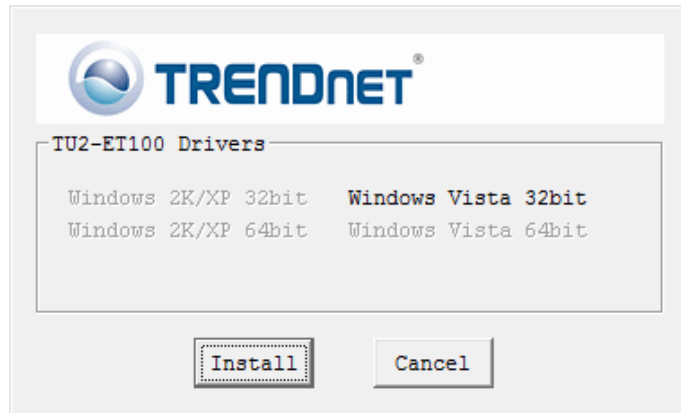
4. Click **OK** to finish the installation.
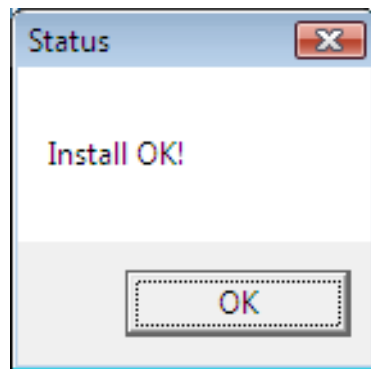
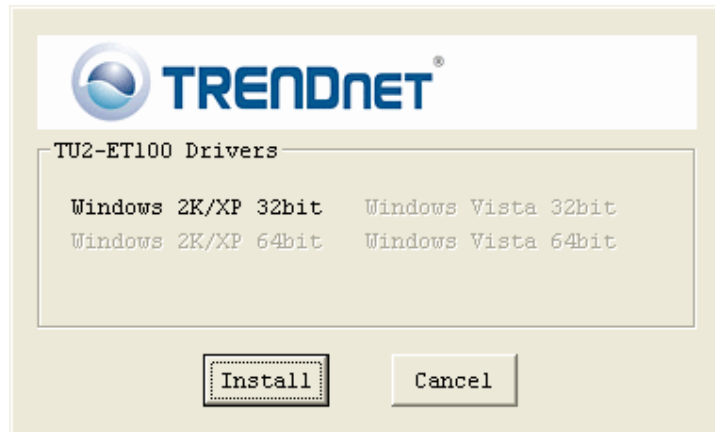5. Remove the CD-ROM from your computer's CD-ROM drive.

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.

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

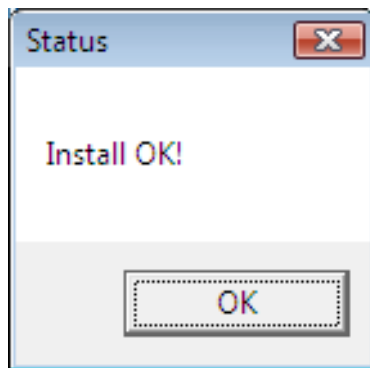6. Drivers will install automatically

7. 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.
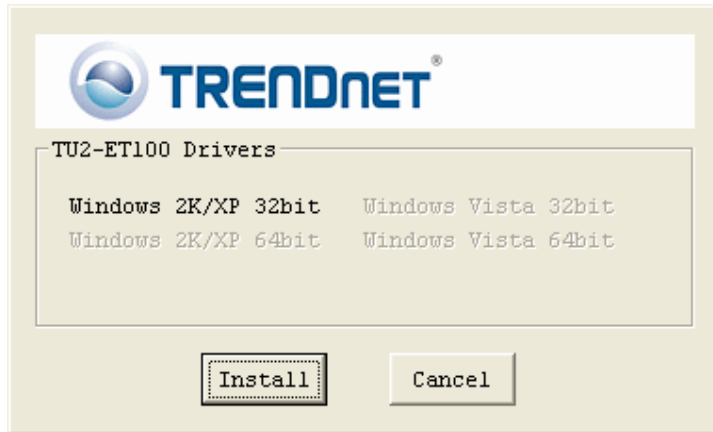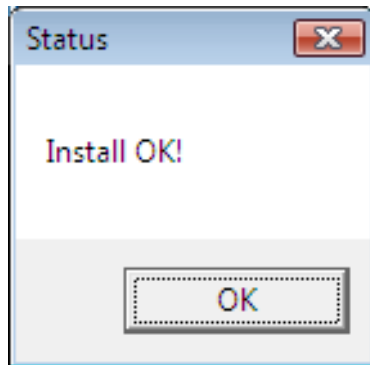

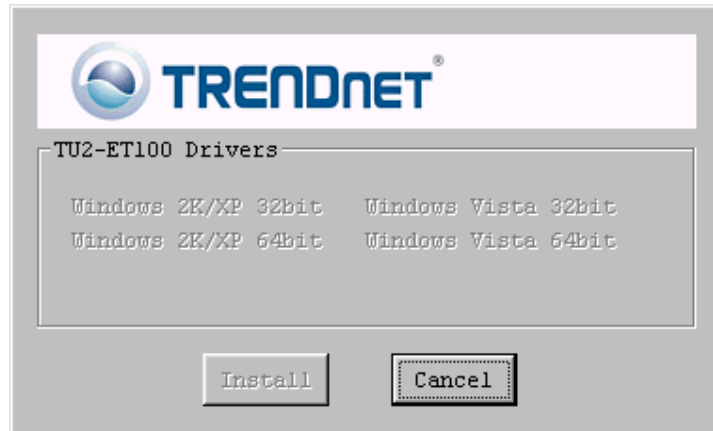3. Click **OK** to finish the installation.

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

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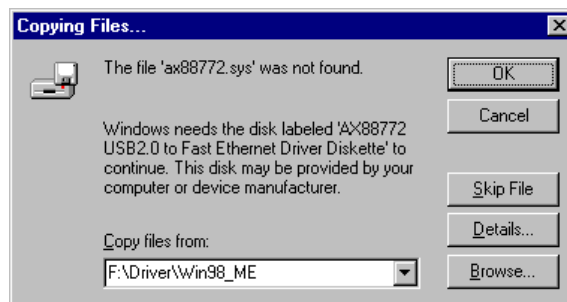
Windows ME

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 **Automatic search for a better driver** and then click **Next**.
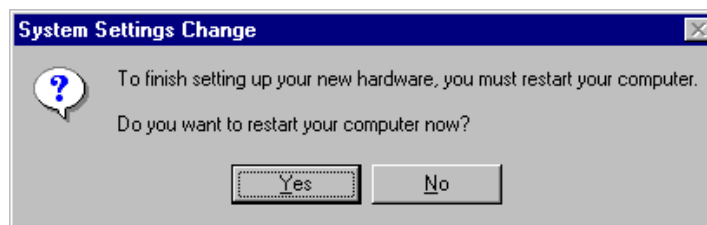

4. When the screen below appears, click **Browse** to navigate to *x***:\Driver\Win98_ME** where x: is your CD-ROM drive letter.

5. Click **Finish**.

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

7. 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.**
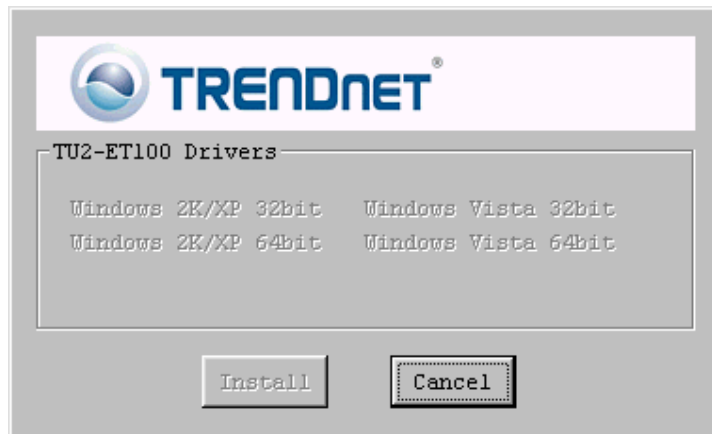
2. Connect the Adapter to an available USB port of your computer
3. Upon your USB device connection, Windows will detect the new device and pop up the following screen. click **Next**.
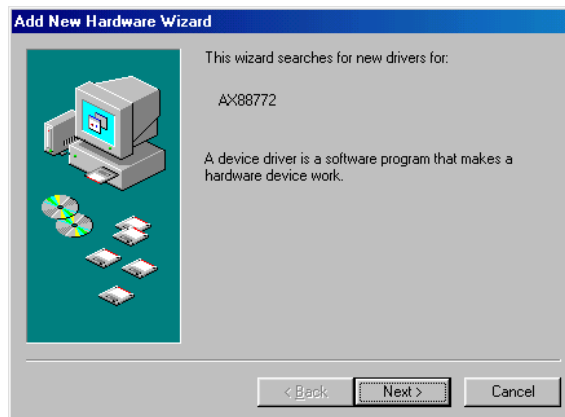
4. Select **Search for the best driver for your device**. Click **Next**.

5. 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**.

6. Click **Next**.
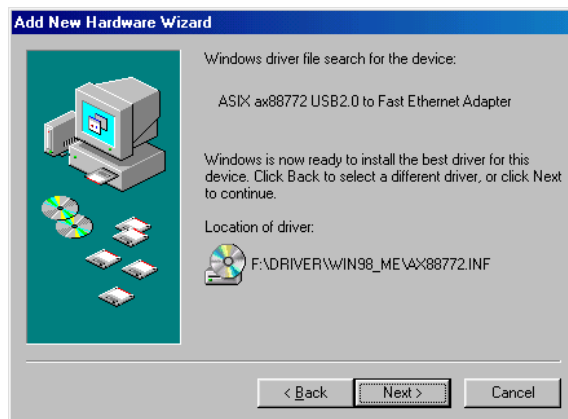
7. If the screen below appears, click **OK**.
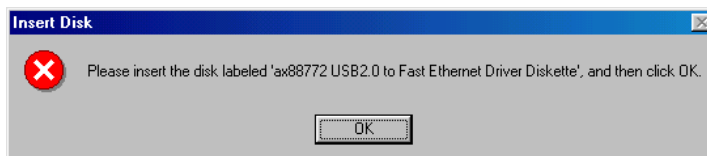
8. In the drop-down list, select *x:***\Driver\Win98_ME** and click **OK**.

9. 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.
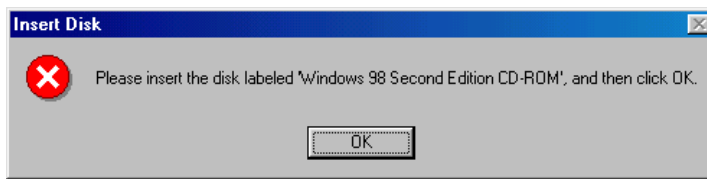
10. Click **Finish**.
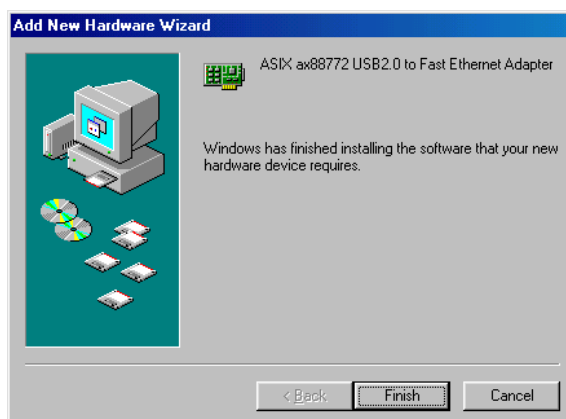
11. When prompted, click **Yes** to restart your computer.
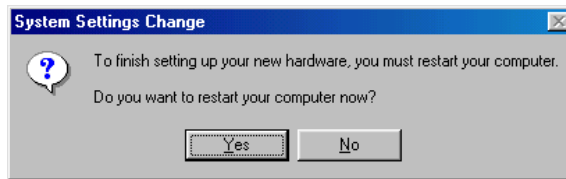
12. Connect a RJ-45 cable from the TU2-ET100 to a Switch, Router or Cable/DSL Modem.

Verifying the Driver Installation in Windows

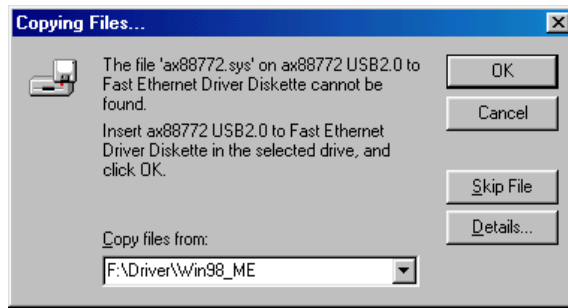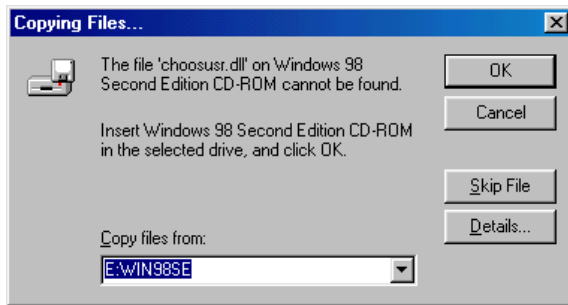To verify your Ethernet adapter installation, select **Control Panel** > **System** > (**Hardware**) > **Device Manager**. In the **Network adapters** group, **ASIX AX88772 USB2.0 to Fast Ethernet Adapter** should be displayed.

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.
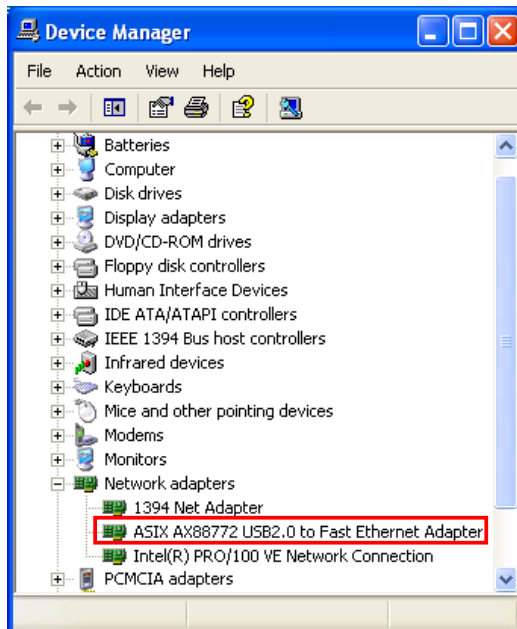
*The example screenshot is under Windows XP.

Mac 10.4.x

1. 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**".

AX88772

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

4. Select a destination disk to install the driver and click **Continue**.
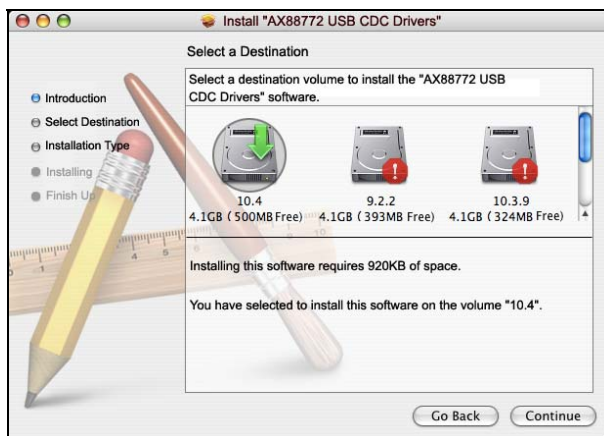
5. Click **Continue** to start the installation.
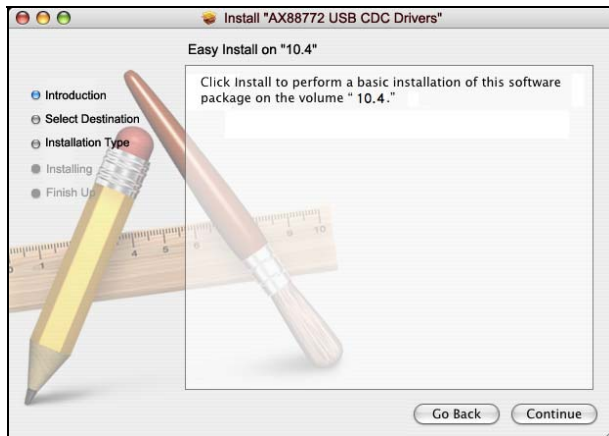
6. When the **Authenticate** screen appears, enter your password in the provided field and click **OK**.

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.

New Port Detected

A new network port has been detected:

Ethernet Adaptor (en1)

Please verify that it is configured correctly, then press Apply Now to activate it.

OK

Configuring Network Settings and Making a Connection

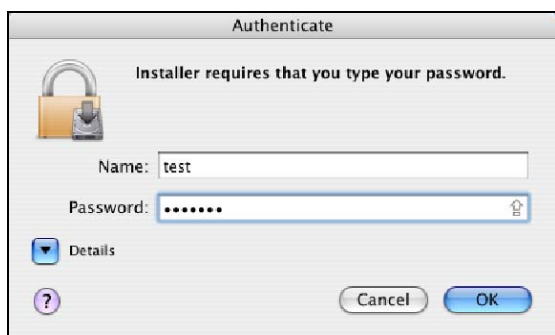1. To configure the network settings of adapter, click the **Apple** icon and select **System Preferences**. Then double-click the **Network** icon.

| Finder | File | Edit | View |

About This Mac
Get Mac OS X Software...

System Preferences...
Dock ▶
Location ▶

Recent Items ▶

Force Quit...

Sleep
Restart...
Shut Down...

Log Out... ⇧⌘Q

Internet & Network

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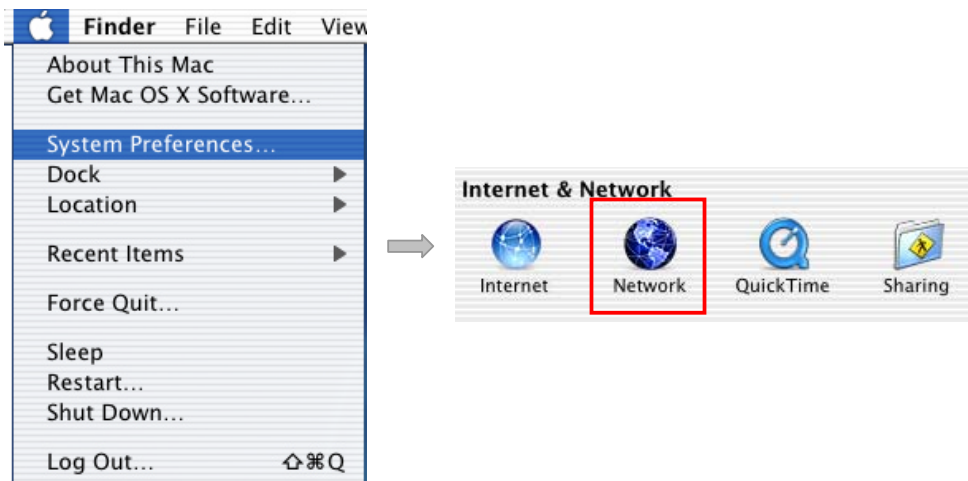
2. From the **Show** drop-down list, select the adapter to be configured, e.g., **Ethernet Adapter (en1)**. Configure the network settings as required by your network and then click **Apply Now**.
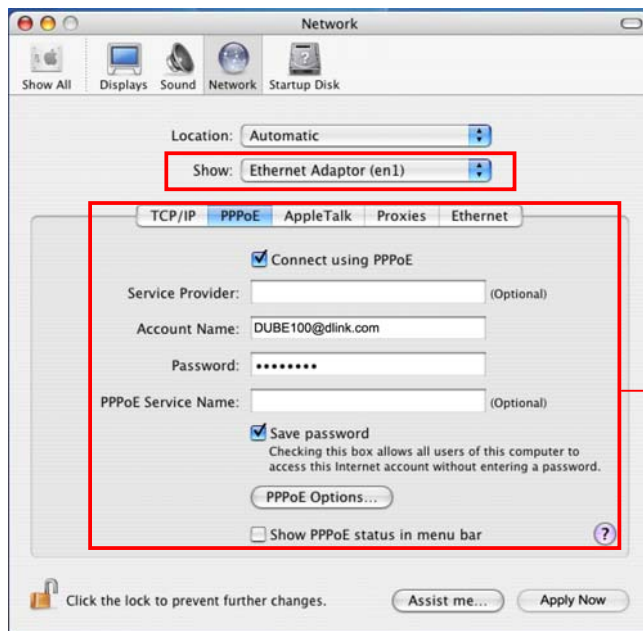
Configure the network settings as required by your network environment.

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.
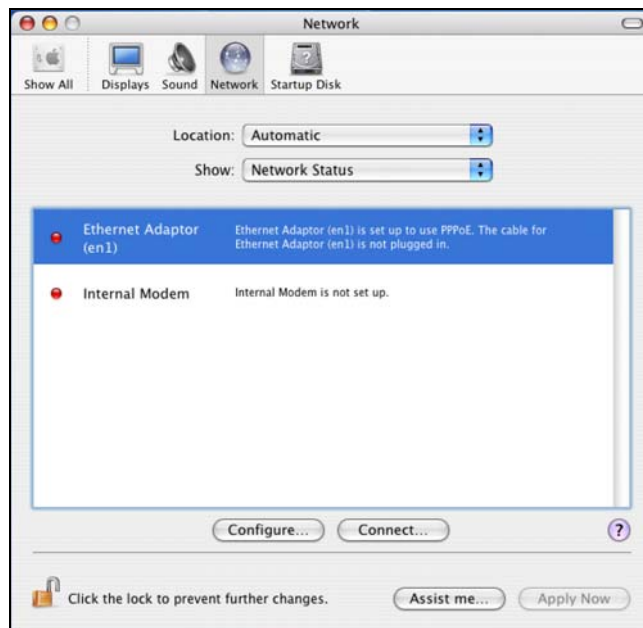
MAC OS X 10.1.x ~ 10.3.x

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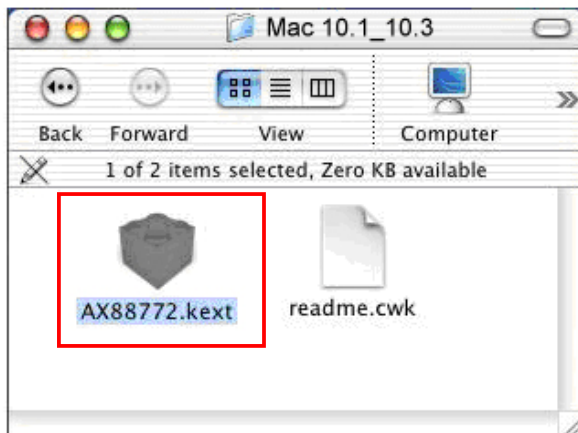
3. On the desktop, double-click the start-up drive.

4. Paste the **AX88772.kext** to the root directory of the disk.
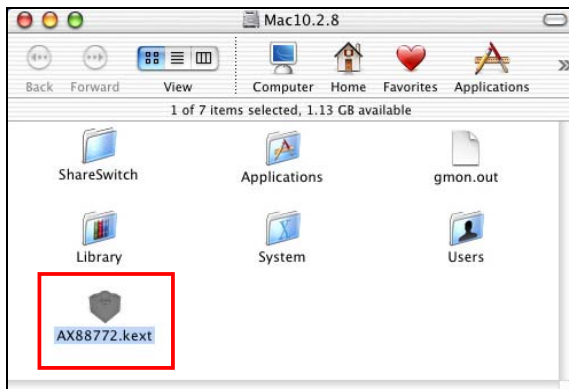
5. Open the terminal application by clicking **Go** > **Application** > **Utilities >
   Terminal**.
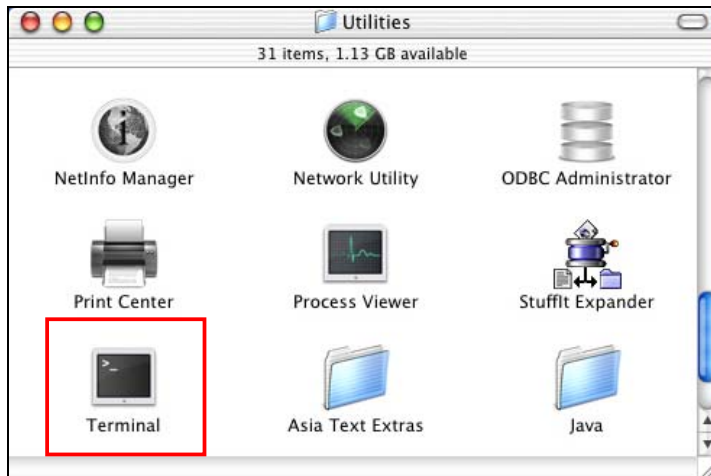
6. If there is one old driver in the **Extensions** directory, please remove it first by
   executing the command:

   ```
   sudo rm –R /System/Library/Extensions/AX88772.kext
   ```

   You will need to enter your password as prompted.
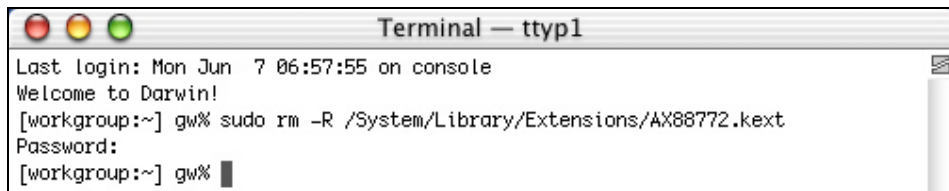
7. Paste the driver to the **Extensions** folder by the command line below:

   ```
   sudo cp –R //AX88772.kext /System/Library/Extensions/AX88772.kext
   ```
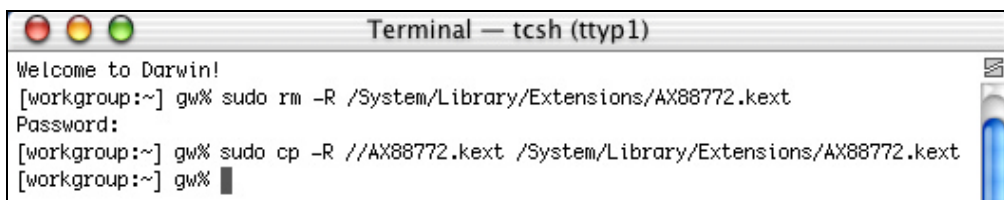
To verify the installation, you can go to **/System/Library/Extensions** to check if **AX88772.kext** is present.
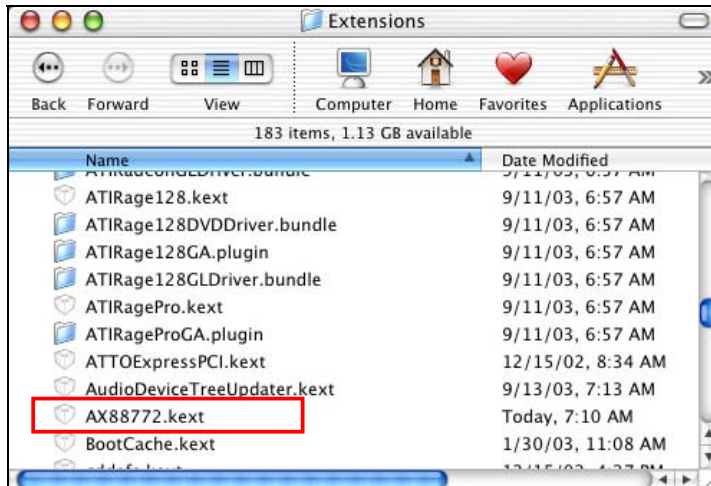
8. Connect the Ethernet adapter to a free USB port.

9. Reboot your Mac.

10. Start **System Preferences** and select **Network**.
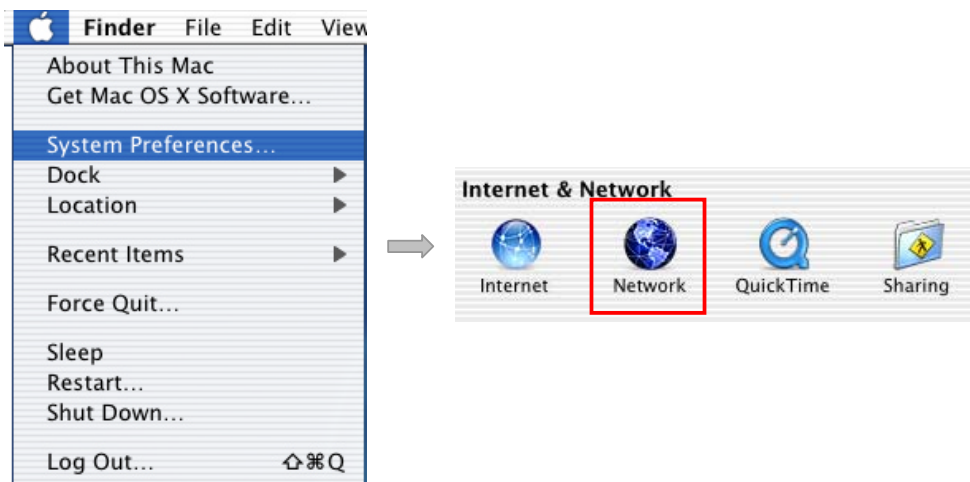
11. You will find that a new Ethernet network interface is available. It's usually named **Ethernet Adapter (en1)** or **Ethernet Adapter (en2)**.
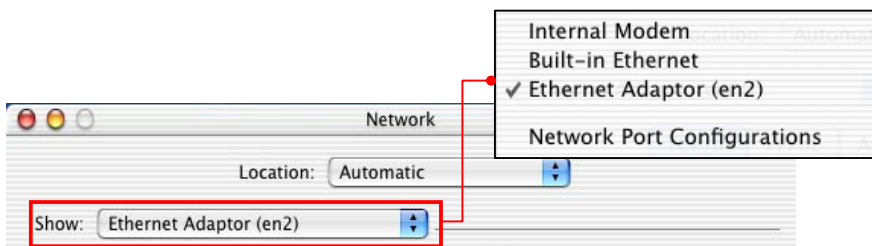
Now you are ready to configure the network settings for network access.

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:

System extension cannot be used.

The system extension "/System/Library/Extensions/ AX88772.kext" was installed improperly and cannot be used. Please try reinstalling it, or contact the product's vendor for an update.

OK
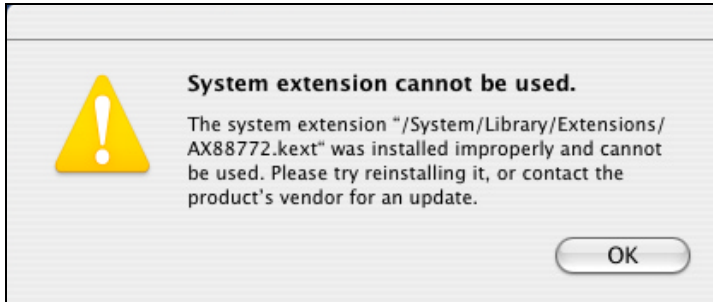
3. Specifications

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.

WARRANTIES EXCLUSIVE: IF THE TRENDNET PRODUCT DOES NOT OPERATE AS WARRANTED ABOVE, THE CUSTOMER'S SOLE REMEDY SHALL BE, AT TRENDNET'S OPTION, REPAIR OR REPLACEMENT. THE FOREGOING WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. TRENDNET NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE, INSTALLATION MAINTENANCE OR USE OF TRENDNET'S PRODUCTS.

TRENDNET SHALL NOT BE LIABLE UNDER THIS WARRANTY IF ITS TESTING AND EXAMINATION DISCLOSE THAT THE ALLEGED DEFECT IN THE PRODUCT DOES NOT EXIST OR WAS CAUSED BY CUSTOMER'S OR ANY THIRD PERSON'S MISUSE, NEGLECT, IMPROPER INSTALLATION OR TESTING, UNAUTHORIZED ATTEMPTS TO REPAIR OR MODIFY, OR ANY OTHER CAUSE BEYOND THE RANGE OF THE INTENDED USE, OR BY ACCIDENT, FIRE, LIGHTNING, OR OTHER HAZARD.

LIMITATION OF LIABILITY: TO THE FULL EXTENT ALLOWED BY LAW TRENDNET ALSO EXCLUDES FOR ITSELF AND ITS SUPPLIERS ANY LIABILITY, WHETHER BASED IN CONTRACT OR TORT (INCLUDING NEGLIGENCE), FOR INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OF ANY KIND, OR FOR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATE, OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE, USE, PERFORMANCE, FAILURE, OR INTERRUPTION OF THE POSSIBILITY OF SUCH DAMAGES, AND LIMITS ITS LIABILITY TO REPAIR, REPLACEMENT, OR REFUND OF THE PURCHASE PRICE PAID, AT TRENDNET'S OPTION. THIS DISCLAIMER OF LIABILITY FOR DAMAGES WILL NOT BE AFFECTED IF ANY REMEDY PROVIDED HEREIN SHALL FAIL OF ITS ESSENTIAL PURPOSE.

Governing Law: This Limited Warranty shall be governed by the laws of the state of California.

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

TRENDnet

TRENDnet Technical Support

US · Canada

Toll Free Telephone: 1(866) 845-3673

24/7 Tech Support

Europe (Germany · France · Italy · Spain · Switzerland · UK)

Toll Free Telephone: +00800 60 76 76 67

English/Espanol - 24/7
Francais/Deutsch - 11am-8pm, Monday - Friday MET

Worldwide

Telephone: +(31) (0) 20 504 05 35

English/Espanol - 24/7
Francais/Deutsch - 11am-8pm, Monday - Friday MET

24/7 Technical Support 365 · Technical Support 365

Product Warranty Registration

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

TRENDnet

20675 Manhattan Place
Torrance, CA 90501
USA