

USB 2.0 Ethernet Adapter

User's Manual

ABOUT THIS MANUAL

This manual is designed for use with the USB 2.0 Ethernet Adapter. Information in this document has been carefully checked for accuracy; however, no guarantee is given to the correctness of the contents. The information in this document is subject to change without notice. The manufacturer does not make any representations or warranties (implied or otherwise) regarding the accuracy and completeness of this document and shall in no event be liable for any loss of profit or any commercial damage, including but not limited to special, incidental, consequential, or other damage.

SAFETY INSTRUCTIONS

Always read the safety instructions carefully:

- Keep this User's Manual for future reference
- Keep this equipment away from humidity
- If any of the following situation arises, get the equipment checked by a service technician:
 - The equipment has been exposed to moisture.
 - The equipment has been dropped and damaged.
 - The equipment has obvious sign of breakage.
 - The equipment has not been working well or you cannot get it to work according to the User's Manual.

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1. Introduction

This USB 2.0 Ethernet Adapter is a cost effective solution that converts a USB port into a 10/100 Base-T Ethernet port. It enables low cost and affordable Ethernet network connection to desktop, notebook PC, and embedded system using popular USB ports. No need to purchase an expensive network interface card and to spare a PCI or Cardbus slot, just using your existing USB ports and you can upgrade your network connection speed.

Features

- Supports 10/100 Mbps auto-sensing capability
- USB specification 1.0, 1.1 and 2.0 compliant
- Supports USB full and high speed modes with bus power capability
- IEEE 802.3, 802.3u (10Base-T, 100Base-TX) compatible
- Supports both full-duplex and half-duplex operation on Fast Ethernet

Package Contents

Before installation, please check the items of the package.

- USB 2.0 Ethernet Adapter x1
- CD(User' Manual and Driver) x1
- Quick Installation Guide x1

System Requirements

- One available USB port
- Operating System :
Windows 2000, 2003 64-bit, XP 32/64-bit and Vista 32-bit/ 64-bit
Mac OS X v10.4 and v10.5

LED Status

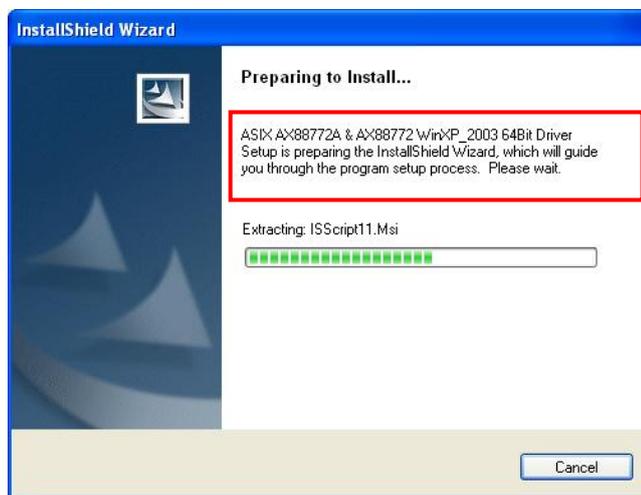
LED	Color	Description
Link	Green	OFF when there's no network traffic.
		On when connection to Internet.
10/100Mbps	Green	OFF when there's no network traffic.
		On when connection to a 10/100Mbps network.
		Blinking when there is data flow between LAN and the host computer.

2. Installation

On Windows 2000/2003/XP

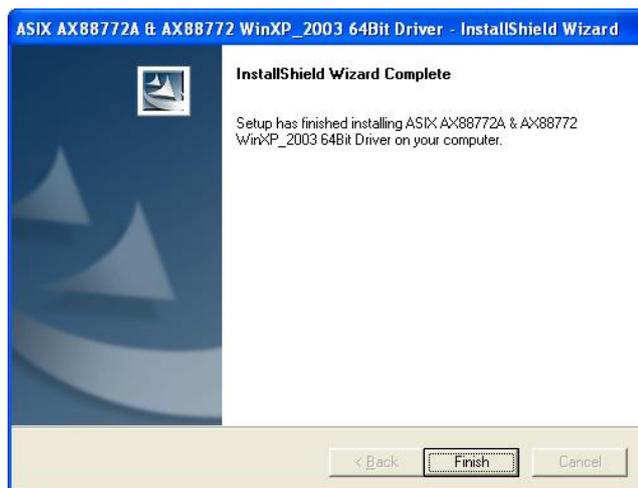
Caution: DO NOT connect the Ethernet adapter to your computer before you install the provided driver. You will be instructed to do so later.

1. Insert the provided CD into your disc drive. Then locate and double-click the **setup.exe** file in the Driver folder. Wait a while for the program to install the driver.



Actual strings depend on your operation system. These screen shots are from Windows XP and might vary slightly for each operation system.

2. When the installation is done, click **Finish**.



3. **Connect** the Ethernet adapter's USB end to a free USB port of your computer.

4. Then a pop-up message will appear in the notification area indicating the installation is complete.



* Actual strings depend on your operation system. These screen shots are from Windows XP and might vary slightly for each operation system.

Now the installation is complete. You can connect the adapter to a network device by an Ethernet cable:

1. Connect an Ethernet cable to the Ethernet port on the adapter.
2. Connect the other end of the Ethernet cable to your network hub, switch or router.

The Link LED should light up green to indicate a proper physical connection between the adapter and the network. If the Link LED doesn't light up, please verify the cable connections between all the network devices.

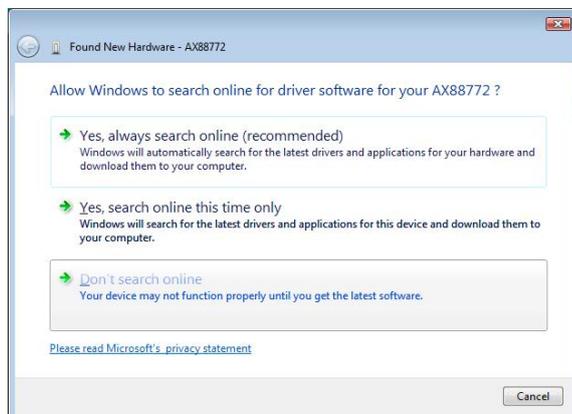
On Windows Vista

Caution: DO NOT connect the Ethernet adapter to your computer before you install the provided driver. You will be instructed to do so later.

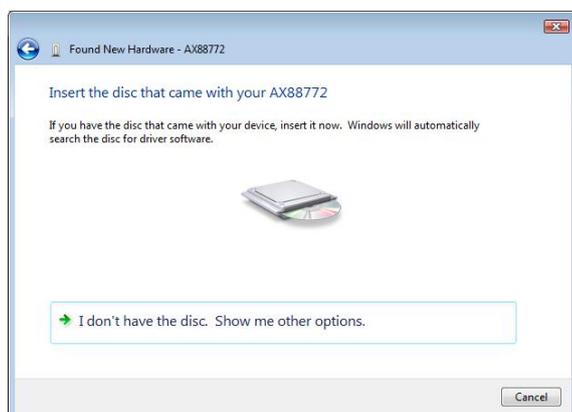
1. Insert the provided CD into your disc drive and plug your USB 2.0 Ethernet Adapter to your USB port. The pop-up message will appear and click **Locate and install driver software (recommended)**.

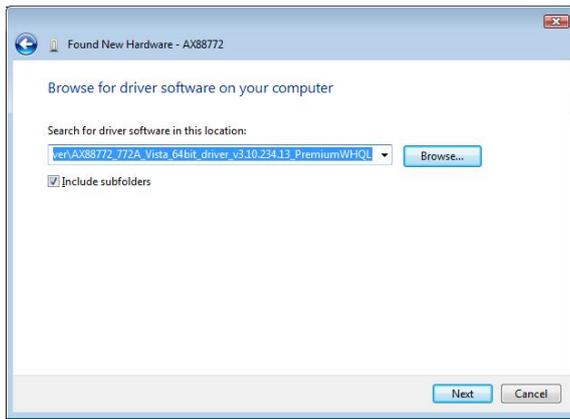


2. Click **Don't search online**.

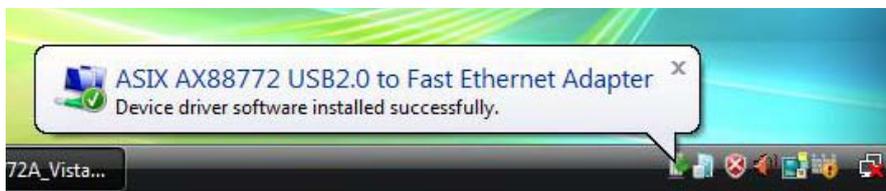


3. Click **I don't have the disc** and browse the location of driver.





4. When the installation is completed and then you can see the pop-up message in the notification area and find Ethernet Adapter in your device manager.



*Actual strings depend on your operation system. These screen shots are from Windows Vista 64-bit and might vary slightly for each operation system.

Now the installation is complete. You can connect the adapter to a network device by an Ethernet cable:

1. Connect an Ethernet cable to the Ethernet port on the adapter.
2. Connect the other end of the Ethernet cable to your network hub, switch or router.

The Link LED should light up green to indicate a proper physical connection between the adapter and the network. If the Link LED doesn't light up, please verify the cable connections between all the network devices.

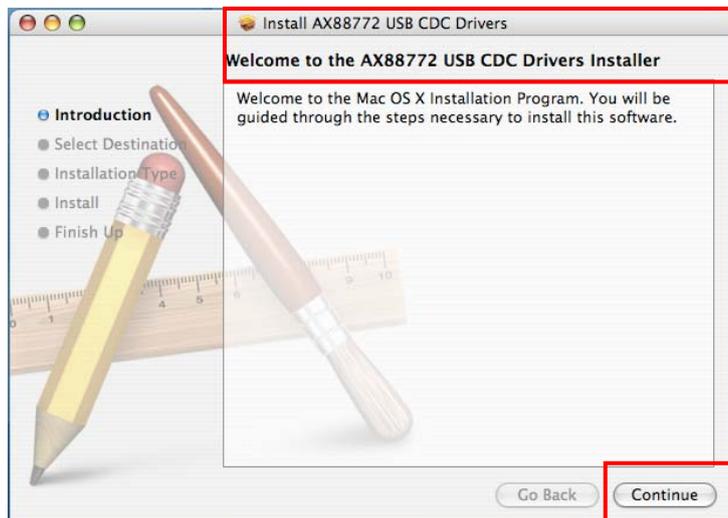
On Windows MAC OS X 10.4/10.5

Caution: DO NOT connect the Ethernet adapter to your computer before you install the provided driver. You will be instructed to do so later.

1. Insert the provided driver CD into your CD-ROM drive. Double-click the CD and navigate to the directory of `\Driver\Mac10.x\Driver\AX88772.pkg`



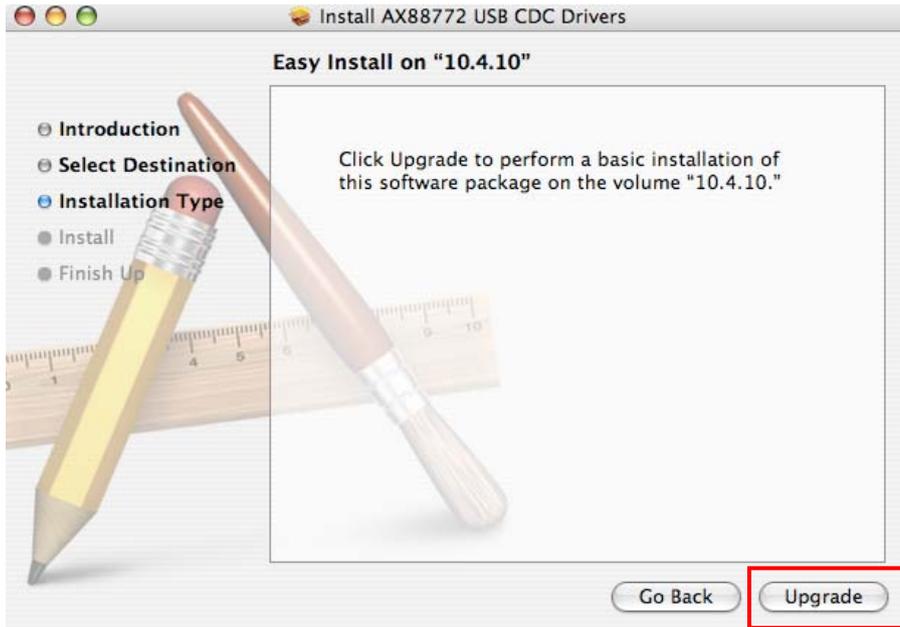
2. When the **Install AX88772 USB CDC Drivers** screen appears, please select **Continue**.



3. When the screen below appears, please choose the volume that you want to install and click **Continue**.



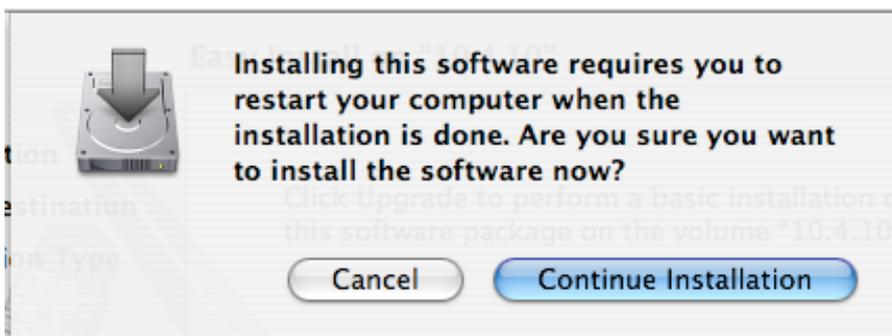
4. When the screen below appears, please click **Upgrade** to perform the software.



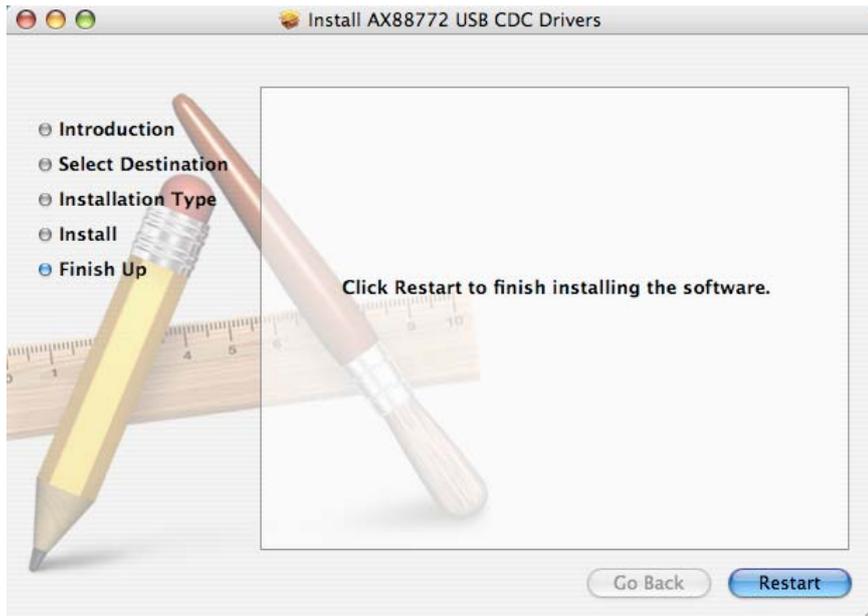
5. Please enter your password as prompted.



6. Please select **Continue Installation** to install the software when the screen below prompted.



7. Please click **Restart** to reboot the Mac.



*Actual strings depend on your operation system. These screen shots are from MAC OS X 10.4 and might vary slightly for each operation system.

8. Connect the Ethernet adapter to a free USB port.

Now the installation is complete. You can connect the adapter to a network device by an Ethernet cable:

1. Connect an Ethernet cable to the Ethernet port on the adapter.
2. Connect the other end of the Ethernet cable to your network hub, switch or router.

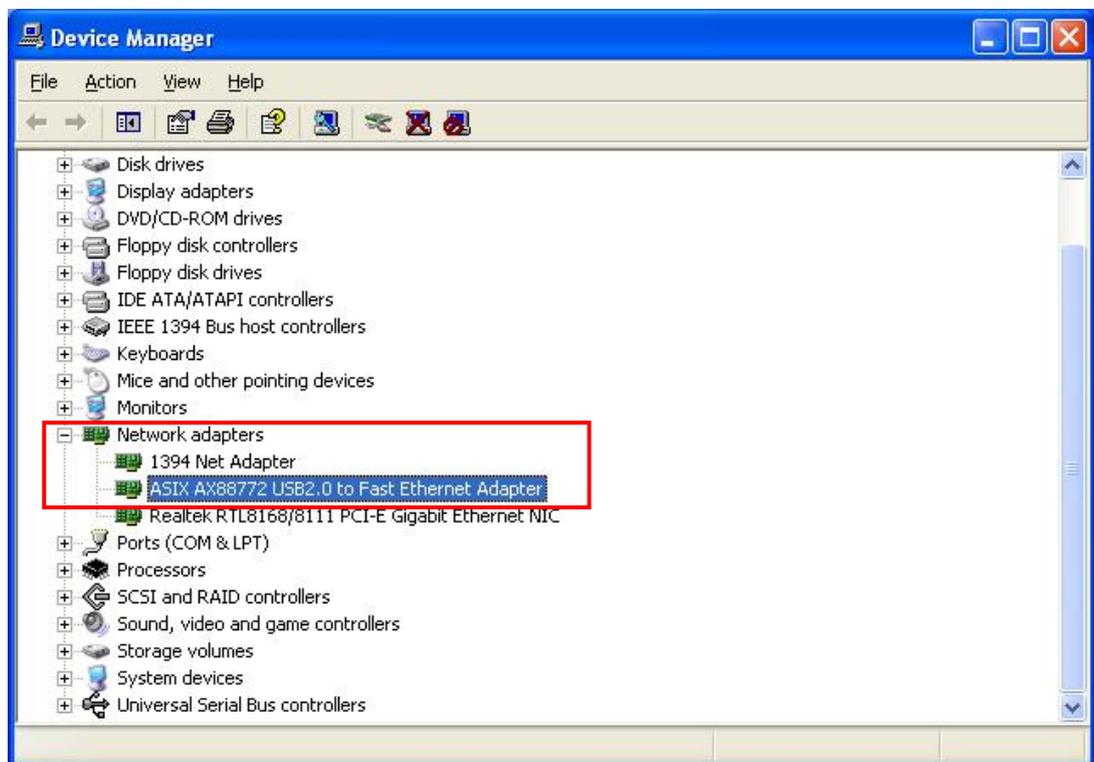
The Link LED should light up green to indicate a proper physical connection between the adapter and the network. If the Link LED doesn't light up, please verify the cable connections between all the network devices.

Verifying the Driver Installation

On Windows 2000/2003/XP/Vista

To verify your Ethernet adapter installation, please launch **Device Manager** by the steps below:

- **On Windows 2000/2003/XP**
Right-click the **My Computer** icon on the desktop and select **Properties** > **System** > **(Hardware)** > **Device Manager**.
- **On Windows Vista**
Right-click the **Computer** icon on the desktop and select **Properties** > **Device Manager**.



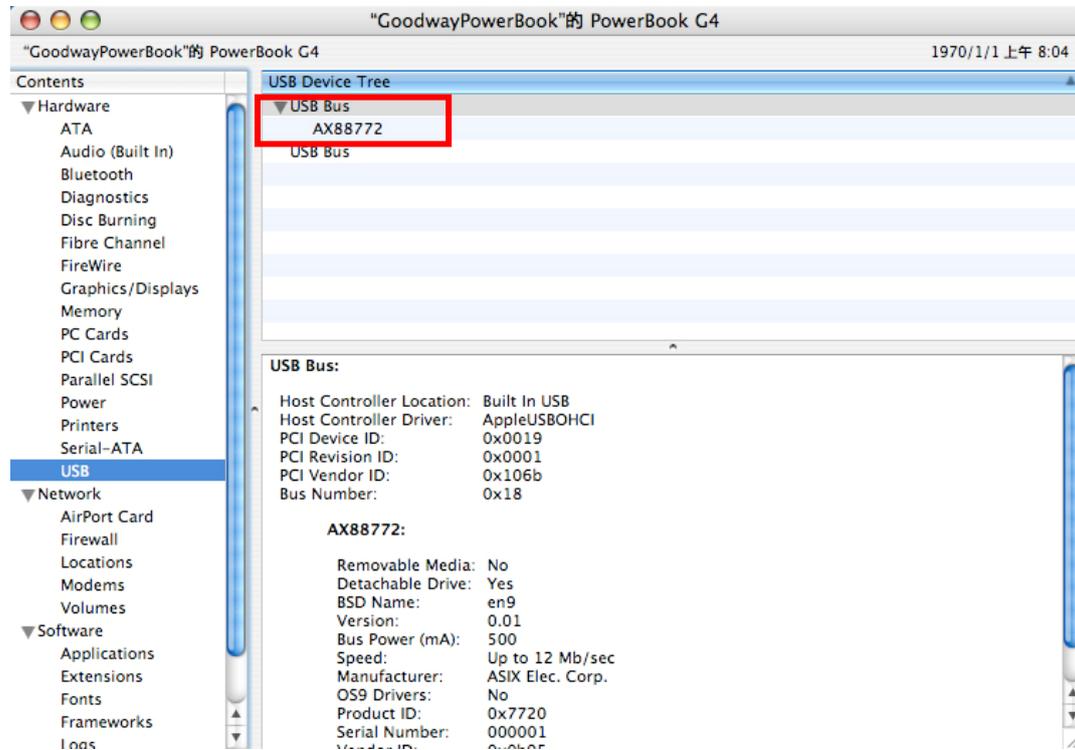
* This screen shot is from Windows XP and might vary slightly for each operation system.

In the **Network adapters** group, a string similar to **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, unplug the adapter and repeat the installation steps.

On MAC OS X 10.4/10.5

Once you finish the installation, you can open **GO > Utilities > System Profile > Hardware > USB** to verify if your Ethernet adapter is properly installed.



In the USB Bus group, an item named **AX88772** should be displayed.

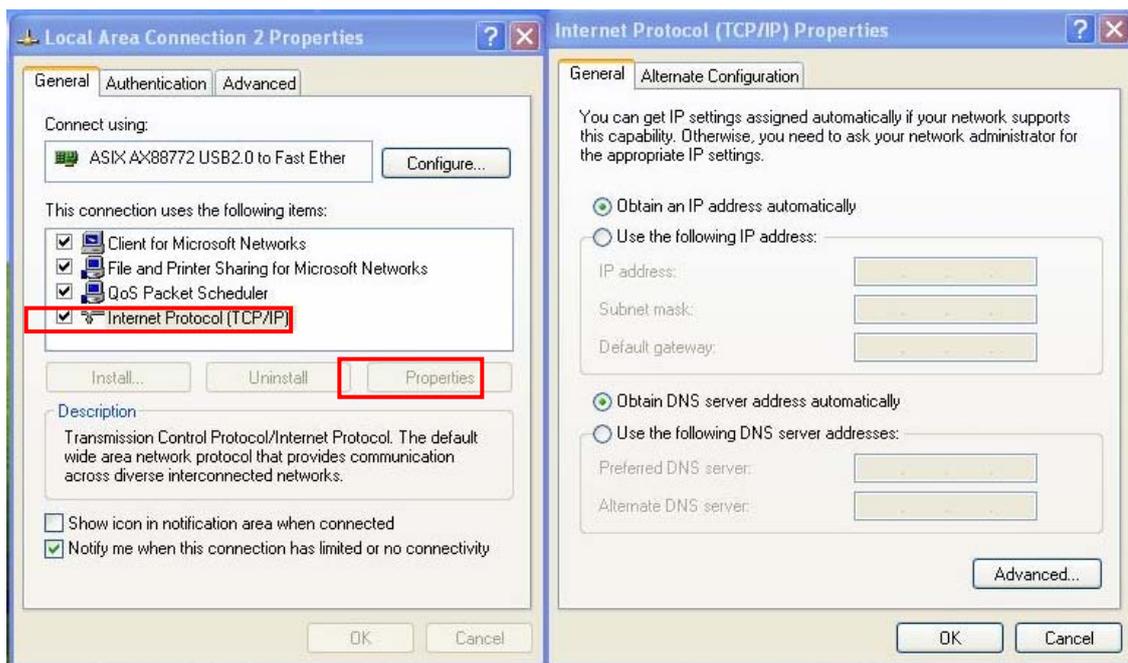
Configuring Network Settings

You should configure your Ethernet adapter as required according to your network environment. If you are unsure about the settings, consult with your network administrator for assistance. The following describes how to launch the network settings window for your Ethernet adapter.

On Windows 2000/2003/XP

After the installation, a local area connection icon is automatically created for your Ethernet adapter in the **Network Connections** folder. You can access **Network Connections** folder by selecting **Start > Settings > Control Panel > Network and Internet Connections**.

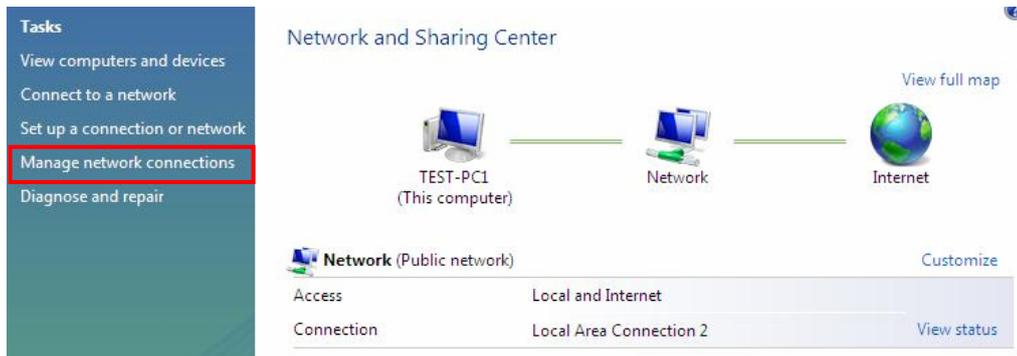
In the **Network Connections** folder, double-click the connection icon indicating your adapter. Then the **Local Area Connection Properties** window appears for user to make required settings.



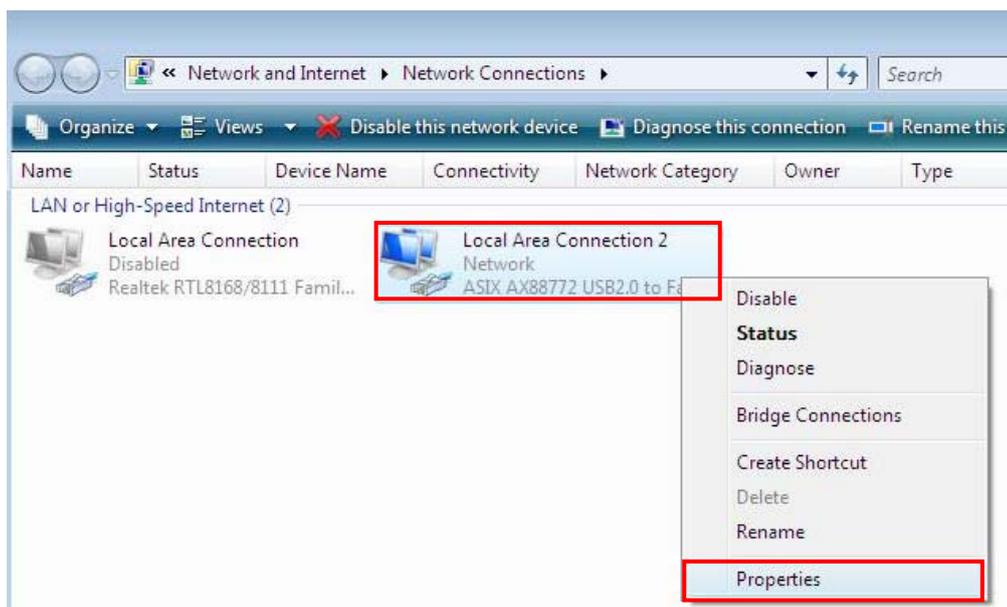
On Windows Vista

To configure network settings for your Ethernet adapter on Windows Vista:

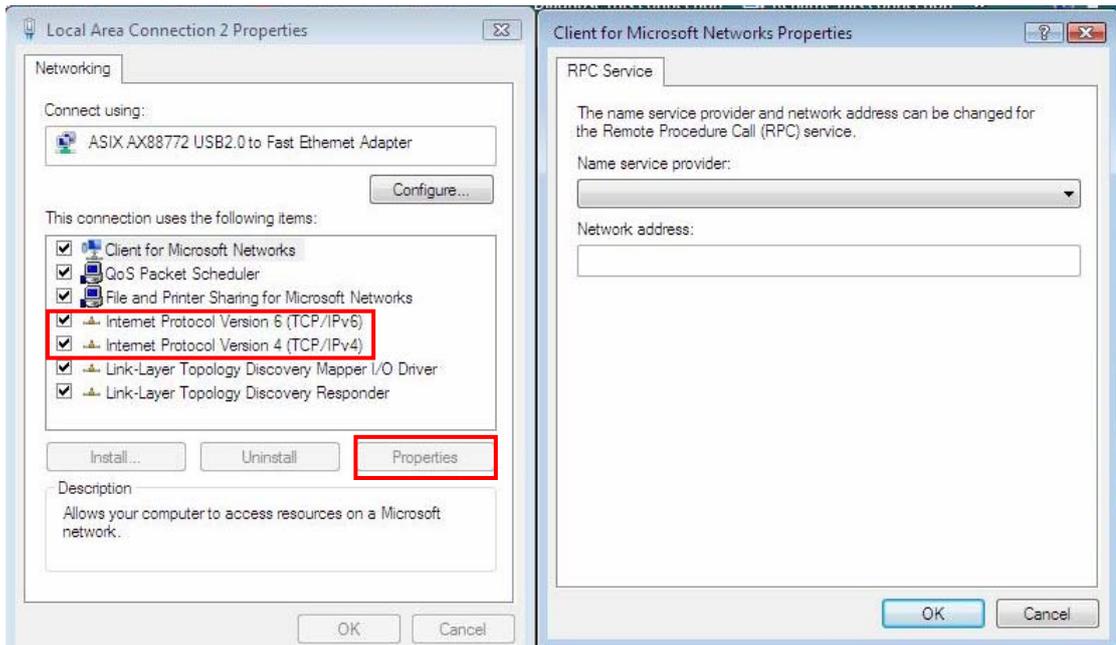
1. Right-click the network icon in the system tray and select **Network and Sharing Center**.
2. Click **Manage network connections**.



3. Right-click the Local Area Connection icon indicating your network adapter and click **Properties**.



4. Then the **Local Area Connection Properties** window appears for user to make required settings.



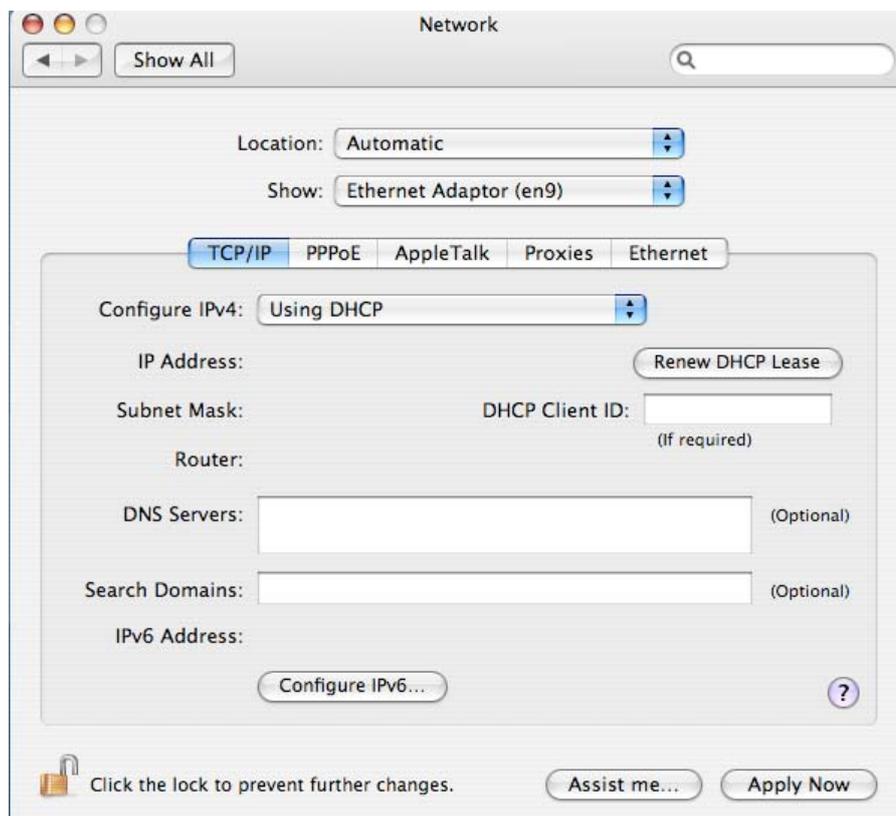
On MAC OS X 10.4/10.5

To configure network settings for your Ethernet adapter on MAC OS X 10.3 / 10.4 :

1. Click the **System Profile** on your desktop and then select **Network** in the **Internet & Network** group.



2. Then the **Network** window appears for user to make required settings.



3. Specifications

Network Standards	IEEE 802.3: 10Base-T IEEE 802.3u: 100Base-T, TX, and T4 compatible
Data Transfer Rates	Ethernet: 10Mbps (Half/Full Duplex) Fast Ethernet: 100Mbps (Half/Full Duplex)
Host Interface	USB 2.0
Network Interface	Female RJ45 jack
LED Indicators	Link, 10/100Mbps
Power Mode	Bus power
Operating System Support	Windows 2000, 2003 64-bit, XP 32/64-bit and Vista 32-bit/64-bit Mac OS X v10.4 and v10.5.
Dimension	78 x 48 x 20mm (L x W x H)
Weight	60g
Housing Material	ABS
Working Environment:	Operation temperature: -10 ~ 60 °C Storage temperature: -20 ~ 60 °C
Certification	FCC, CE

* Specification is subject to change without further notice.

4. Regulatory Compliance

FCC Conditions

This equipment has been tested and found to comply with Part 15 of the FCC 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.

CE

This equipment is in compliance with the requirements of the following regulations:
EN 55 022: CLASS B

WEEE Information

For EU (European Union) member users:

According to the WEEE (Waste electrical and electronic equipment) Directive, do not dispose of this product as household waste or commercial waste. Waste electrical and electronic equipment should be appropriately collected and recycled as required by practices established for your country. For information on recycling of this product, please contact your local authorities, your household waste disposal service or the shop where you purchased the product.

