

USB 2.0 Ethernet Adapter

# **User's Manual**

## **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 work according to User's Manual.

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## **Disclaimer**

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# 1. Introduction

The USB 2.0 Ethernet Adapter allows your computer instantly connect to a 10/100Mbps network through simply a USB port; no hassle to open up your computer case as is required for an internal card now! It's also an ideal USB-to-LAN alternative for gaming console that needs network access in an environment lacking wireless capability. Compared with USB 1.1 standard which offers 12 Mbps speed, the adapter's compliance with USB 2.0 (480Mbps) ensures true 10/100 Mbps network speed without any compromise. Furthermore, the adapter is compact and is USB bus-powered; it requires no external power adapter, so that you can use it without crowding your workspace at all.

## Features

- Compliant with USB 2.0 and USB 1.1 specifications
- Compliant with IEEE 802.3 (10Base-T) and 802.3u (100Base-TX) standards
- Supports both full-duplex and half-duplex operations
- Supports suspend mode and remote wakeup via link-up and magic packet
- Powered by USB port only
- Equipped with diagnostic LEDs
- Plug & Play installation

## Package Contents

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

- |                               |    |
|-------------------------------|----|
| ■ USB2.0 Ethernet Adapter     | x1 |
| ■ CD (Driver & User's Manual) | x1 |
| ■ Quick Installation Guide    | x1 |

## System Requirements

- IBM compatible Pentium-233MHz or faster PC or Mac
- 64 MB RAM or more
- One available USB port
- Windows® 2000, XP, Vista™, Windows®7; Mac OS X 10.x

## LED Status

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

## 2. Installation

### On Windows 2000/XP/Vista/Windows 7

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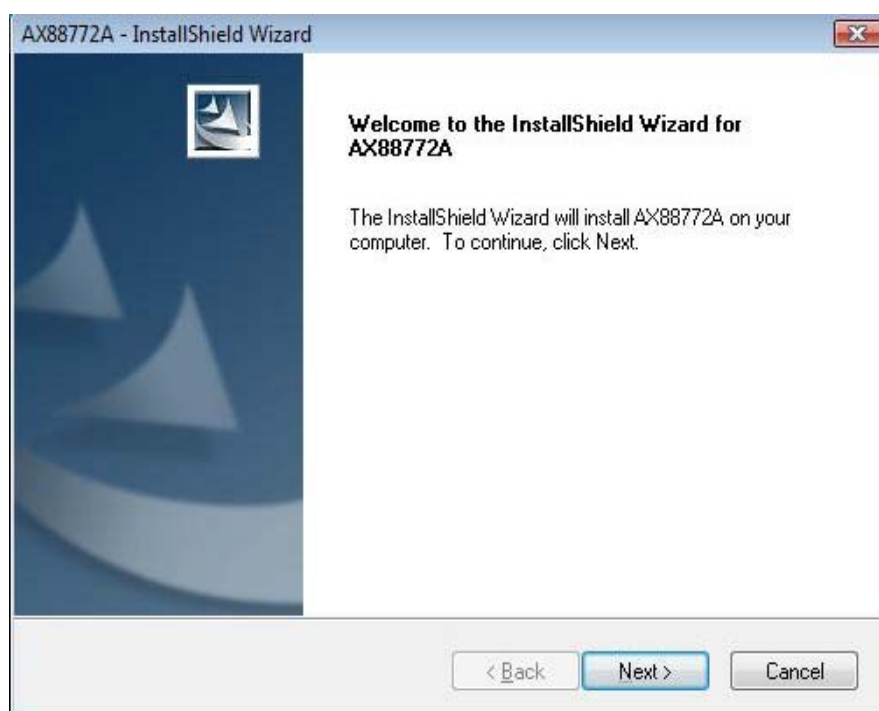
**Caution: DO NOT** connect the Ethernet adapter to your computer before you install the provided driver. You will be instructed to do so later.

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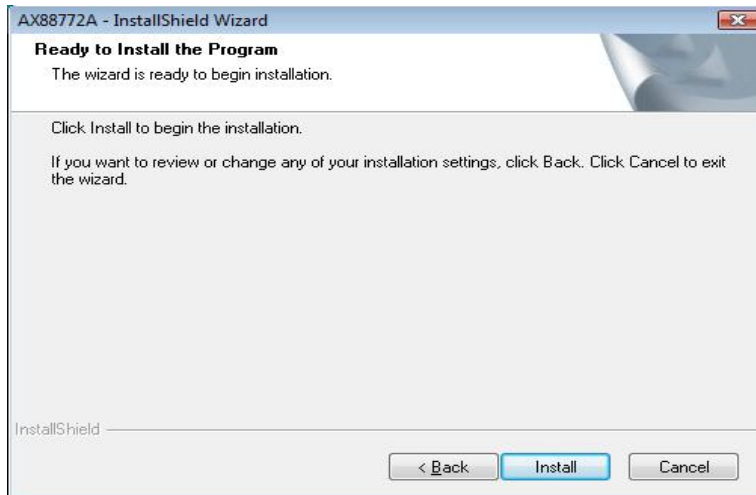
1. Insert the provided CD into your disc drive. Please locate and double-click the **setup.exe** file under **x:\Driver\Windows** where x stands for your disc drive.  
On Windows Vista, click **Allow** at the User Account Control screen.



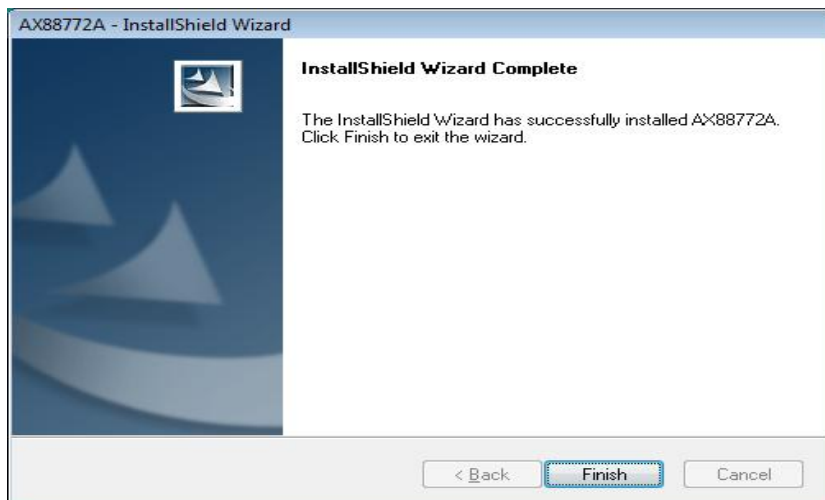
2. Click on **Next** to continue this installation.



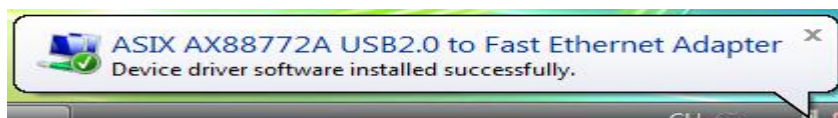
3. Click on **Install** to execute this installation.



4. When the installation is done, click **Finish** (On Windows 2000, you will need to restart your computer as prompted).



5. Connect the end of the Ethernet adapter to a free USB port of your computer. Then a pop-up message will appear in the notification area indicating the installation is completed.



\* Actual strings depend on your operation system. These screen shots are from Windows Vista and might be varied slightly for each operating system.

The installation is completed. 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 in green to indicate a proper physical connection between the adapter and the network. If the LED doesn’t light up, please verify the cable connection between all the network devices.

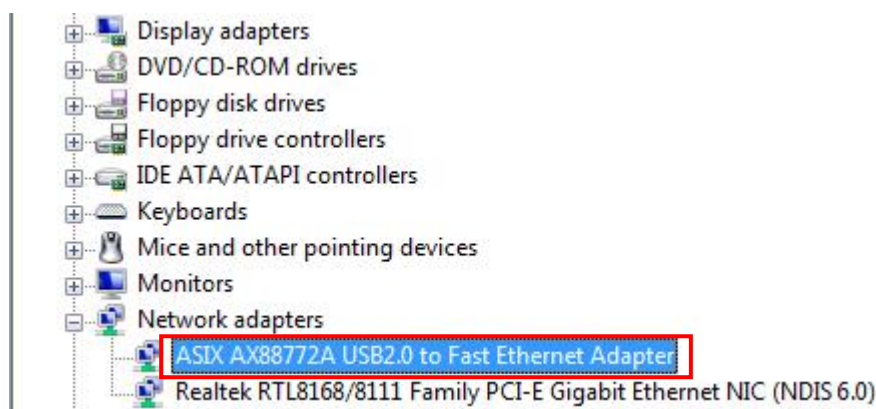
## Verifying the Driver Installation on Windows

Once you finish the installation, you can open Windows **Device Manager** to verify if your Ethernet adapter is properly installed. To access the **Device Manager**:

- On Windows Vista: Right-click **Computer** on the desktop and click **Properties > Device Manager**.
- On Windows 7: Right-click **Computer** on the desktop and click **System Properties>Device Manager**
- On Windows XP/2000: Right-click **My Computer** on the desktop and click **Properties > (Hardware) > Device Manager**.

In the **Network adapters** group, an item named **ASIX AX88772 USB2.0 to Fast Ethernet Adapter** should be displayed.

If there is a question or exclamation mark next to that item, the driver is not properly installed. Hence, please delete the item, select the **Delete the driver software for this device** option (if provided), unplug the adapter from your computer, and then repeat the installation steps.



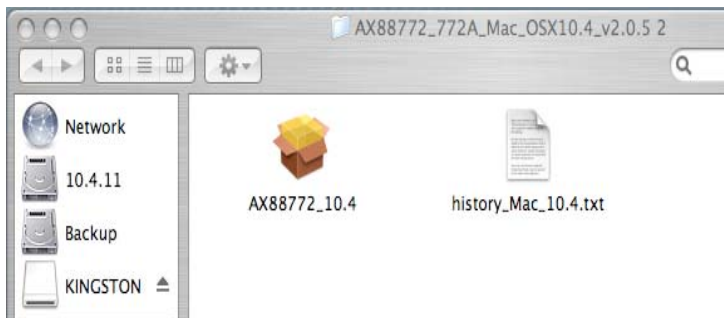


## On MAC OS X 10.x

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



2. In the directory of Mac10.x, please double-click **AX88772\_10.4** to execute the installer program.



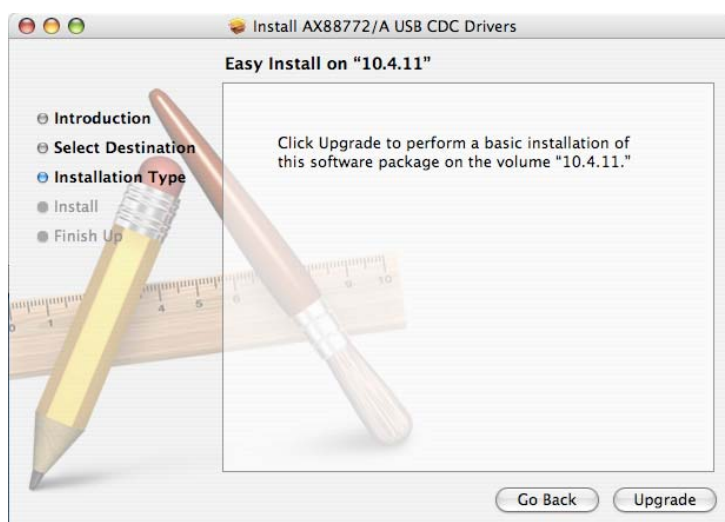
3. Please click on **Continue** to go to the next step once the screen below is prompted up.



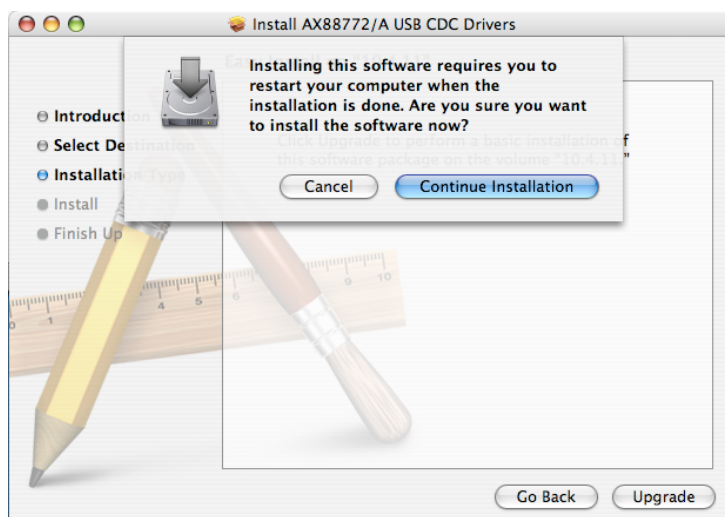
4. Please select a destination volume to install the driver and click on **Continue**.



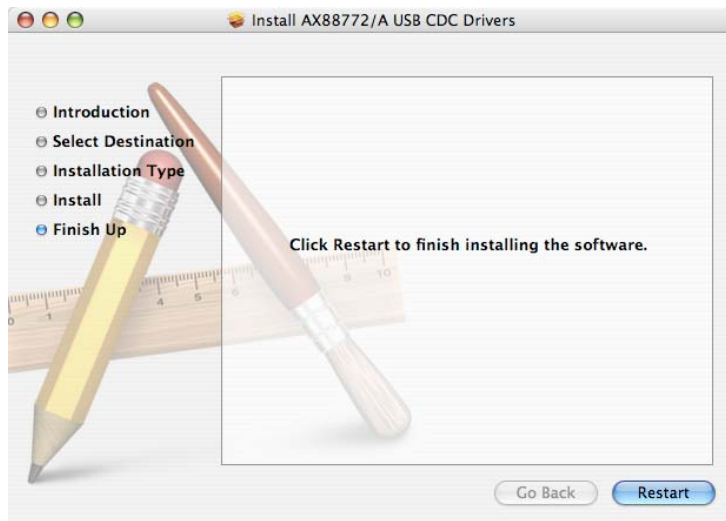
5. Click on **Upgrade** or **Install** to continue the installation.



6. Make sure that you want to install this driver now and the computer will be restarted once the installation is done. Please click on **Continue Installation** to continue the installation.



7. Click on **Restart** to activate the new settings.



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

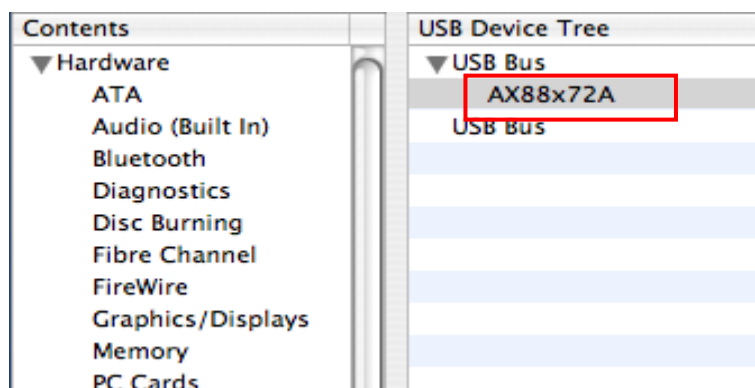
1. Connect an Ethernet cable to the Ethernet port on the adapter.
2. Connect the other end of the Ethernet cable to your network hub, switch or router.

The Link LED should light up in 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 connection between all the network devices.

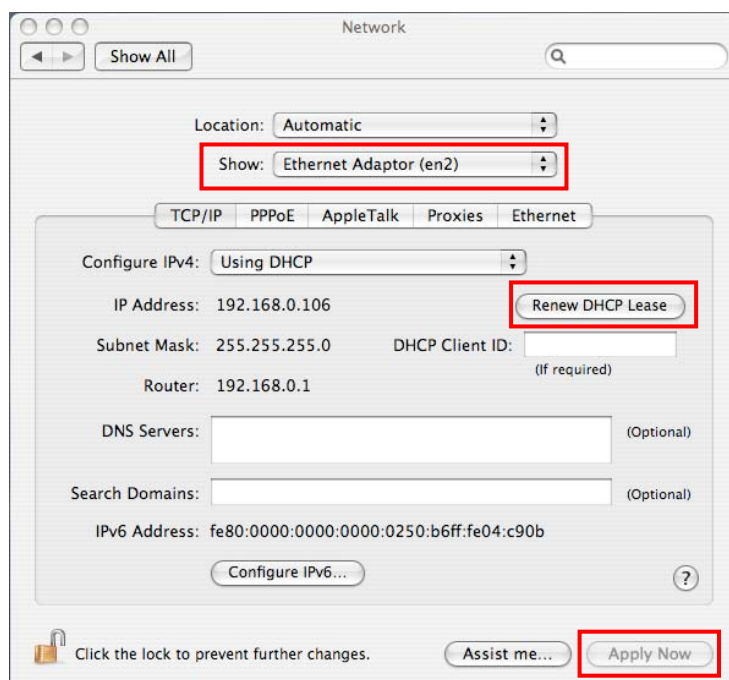
\* Actual strings depend on your operation system. These screen shots are from Mac OS X v10.4 and might be varied slightly for each operation system.

## Verifying the Driver Installation on Mac

Once you finish the installation of Ethernet Adapter, please navigate to **System Profiler>Hardware>USB**, then you will find the driver of AX88772A.



Also, after navigating to **System Preference>Network**, please click on **Renew DHCP Lease** and **Apply Now** as follows to verify the installation of driver and Ethernet Adapter.



## 3. Specifications

Items	Descriptions
Network Standards	IEEE 802.3: 10Base-T IEEE 802.3u: 100Base-T
Data Transfer Rates	Ethernet: 10Mbps (Half/Full Duplex) Fast Ethernet: 100Mbps (Half/Full Duplex)
Data Bus	USB 2.0 (1.1 compliant)
LED Indicators	Power, Link
Power Consumption	850mW
Power Management	Suspend mode, hibernation mode
Network Interface	Female RJ45 jack
RAM	Embedded 20KB SRAM for RX packet buffering and 20KB SRAM for TX packet buffering
Operating System Support	Windows <sup>®</sup> 2000, XP, Vista <sup>™</sup> , Windows <sup>®</sup> 7; Mac OS X 10.x
Dimensions	66 x 22x 15 mm (L x W x H)
Weight	25g
Operating Temperature	0°C to 70°C

\* 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.

