

Gigabit Ethernet to DVI Adapter

User's Manual

ABOUT THIS MANUAL

This manual is designed for use with the Gigabit Ethernet to DVI 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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TRADEMARKS

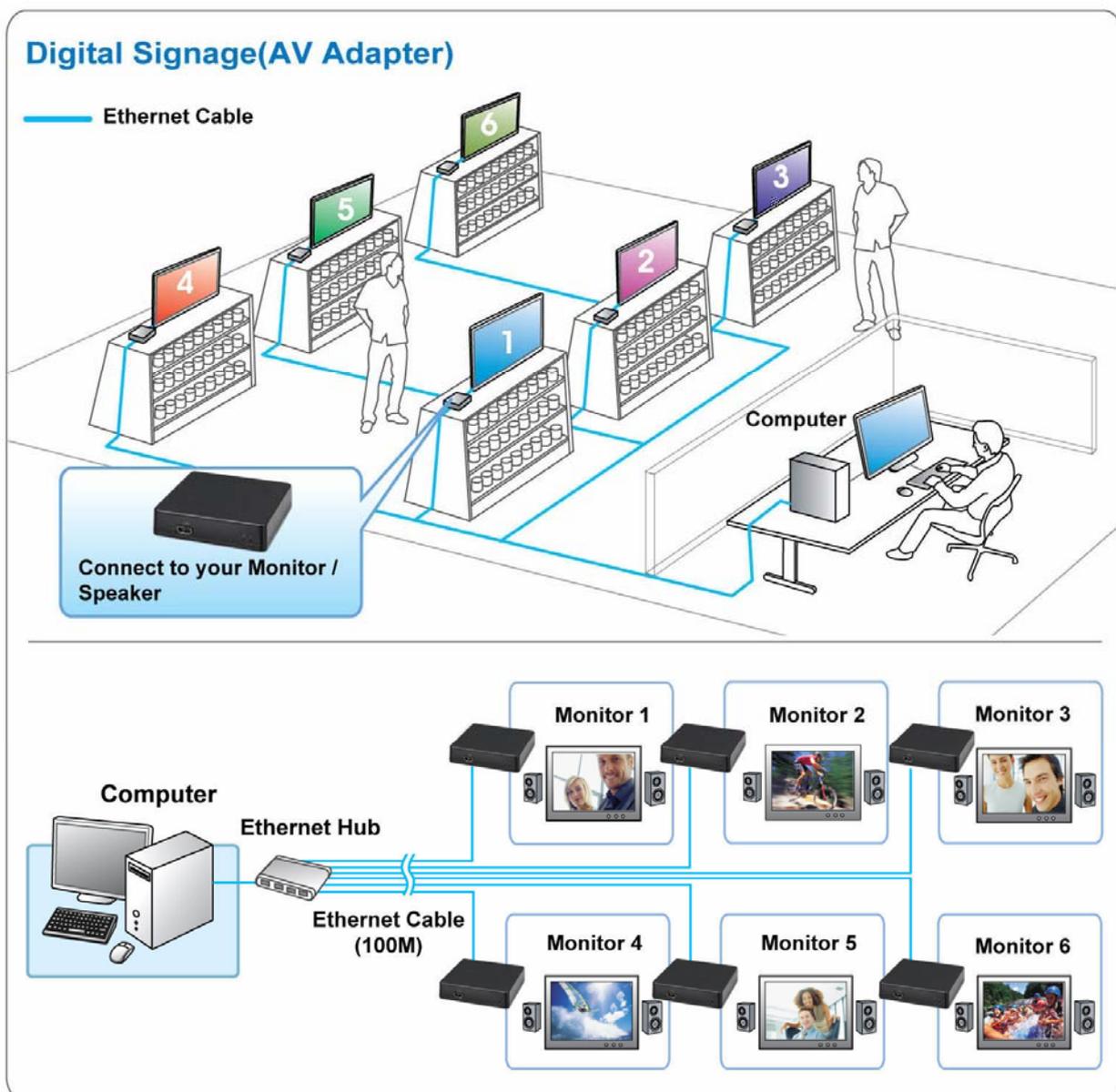
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Table of Contents

1. Introduction	1
Features.....	2
Package Contents.....	2
System Requirements	2
LED Status.....	2
2. Installation	3
Hardware Connection	3
Driver Installation.....	4
On Windows® XP.....	4
On Windows Vista®/ Windows® 7.....	8
3. Application	13
File.....	13
Options.....	16
View.....	19
Help.....	20
4. Display Mode	22
5. Uninstall the Driver	24
6. Specifications	27
7. Regulatory Compliance	28
FCC Conditions	28
CE	28
WEEE Information	28

1. Introduction

The Gigabit Ethernet to DVI Adapter enables you easily to connect monitor and projector from a computer. You may perform a high quality presentation and DVD video by the high throughput of Gigabit Ethernet and have the content of your PC get access remotely. The display station can be up 100 meters away from your computer with CAT6 cable. You can connect to 6 different display screens with this adapter as digital signage application.



Features

- Support connect up to 6 display screens as digital signage function
- Compatible with Gigabit Ethernet specification
- Video application on LCD monitor or projector shared through Gigabit Ethernet port
- Display remote control
- Compatible with USB 1.1/2.0 specification
- Support resolution up to 1920 x 1080
- Input: Gigabit Ethernet interface ; Output: DVI interface
- Long transmission distance up to 100 meters
- Plug and Play

Package Contents

- Gigabit Ethernet to DVI Adapter x1
- Power Adapter x1
- CD (Driver and User's Manual) x1
- Quick Installation Guide x1

Operating System Requirements

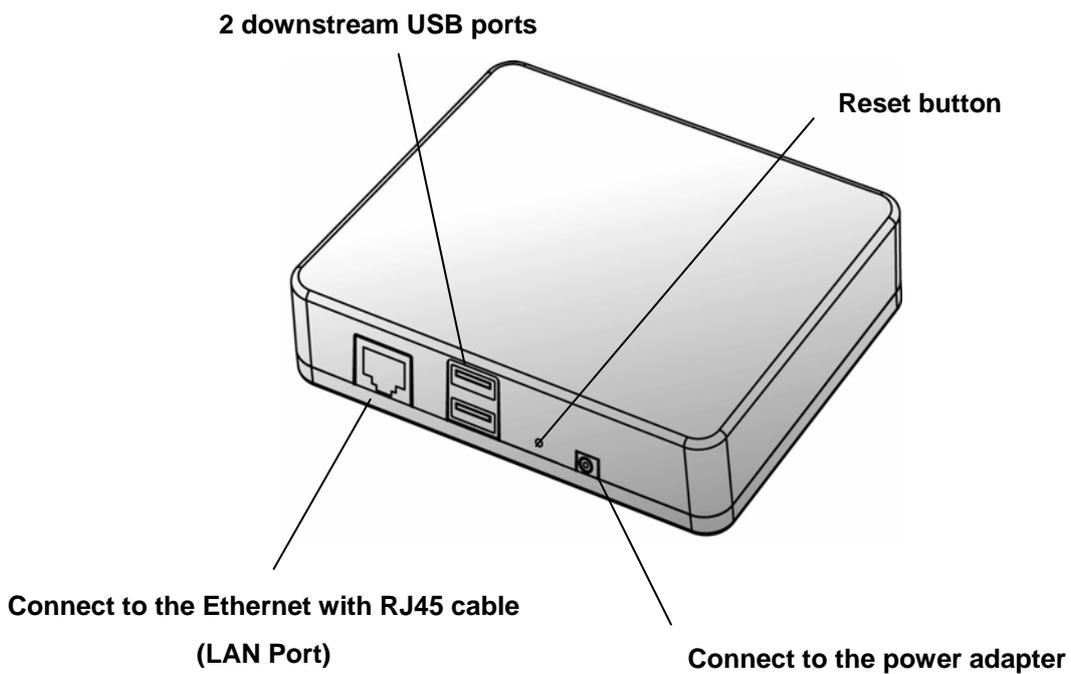
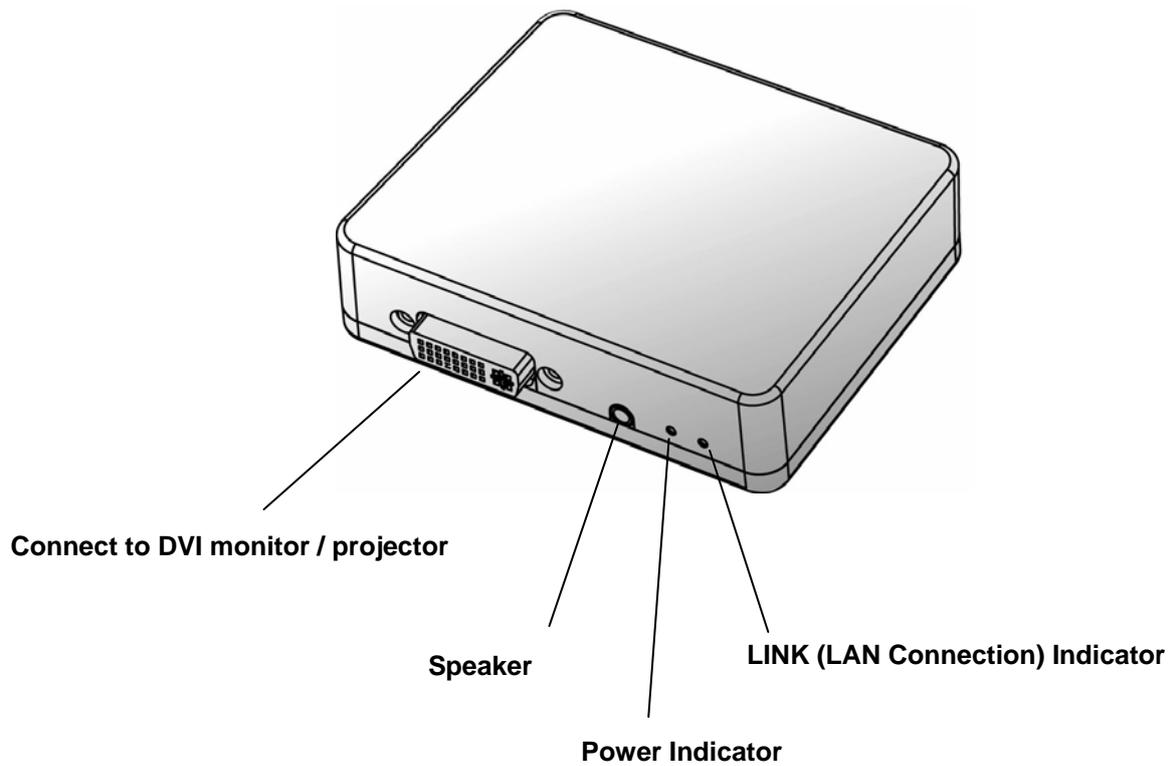
- Windows[®] XP, Windows Vista[®] 32/64 bits and Windows[®] 7 32/64 bits

LED Status

LED	Color	Description
Power	Green	On for connected to the power adapter Off for not connected to the power adapter
Link	Blue	LAN activity. Blinking when there is data flow between LAN and the host computer

2. Installation

Hardware Connection

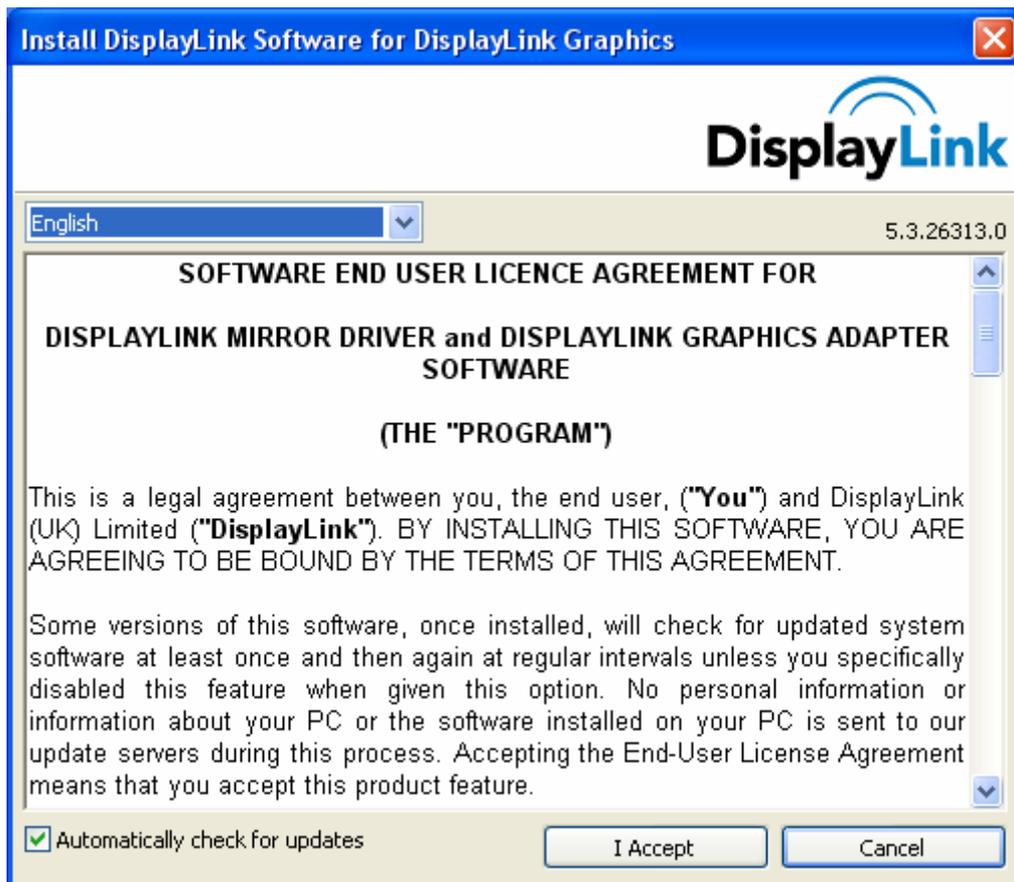


Driver Installation

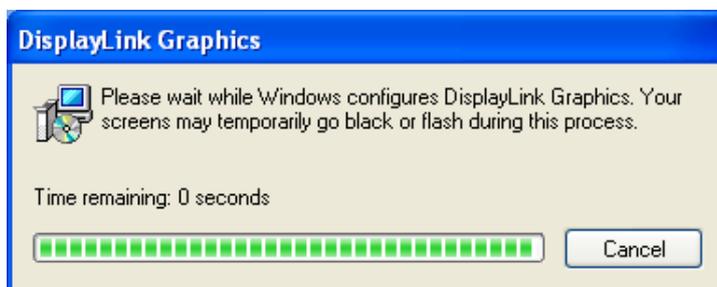
On Windows® XP

Caution: DO NOT connect the adapter to your computer before installing the driver on the provided CD.

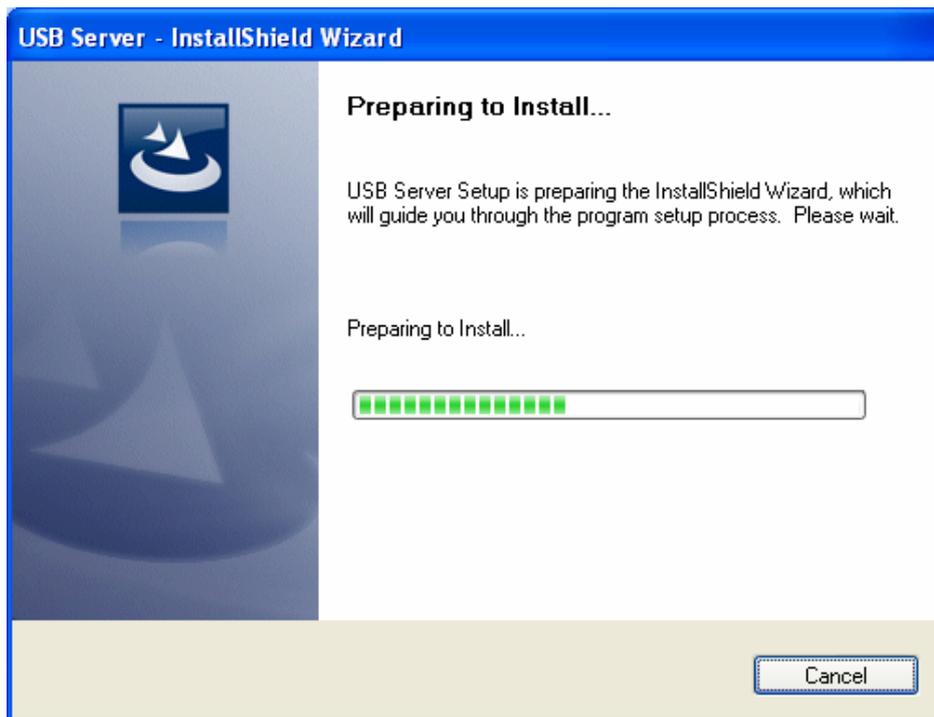
1. Insert the provided CD into your disc drive. When the **Install DisplayLink Software** screen appears, select **I accept** the terms in the license agreement.



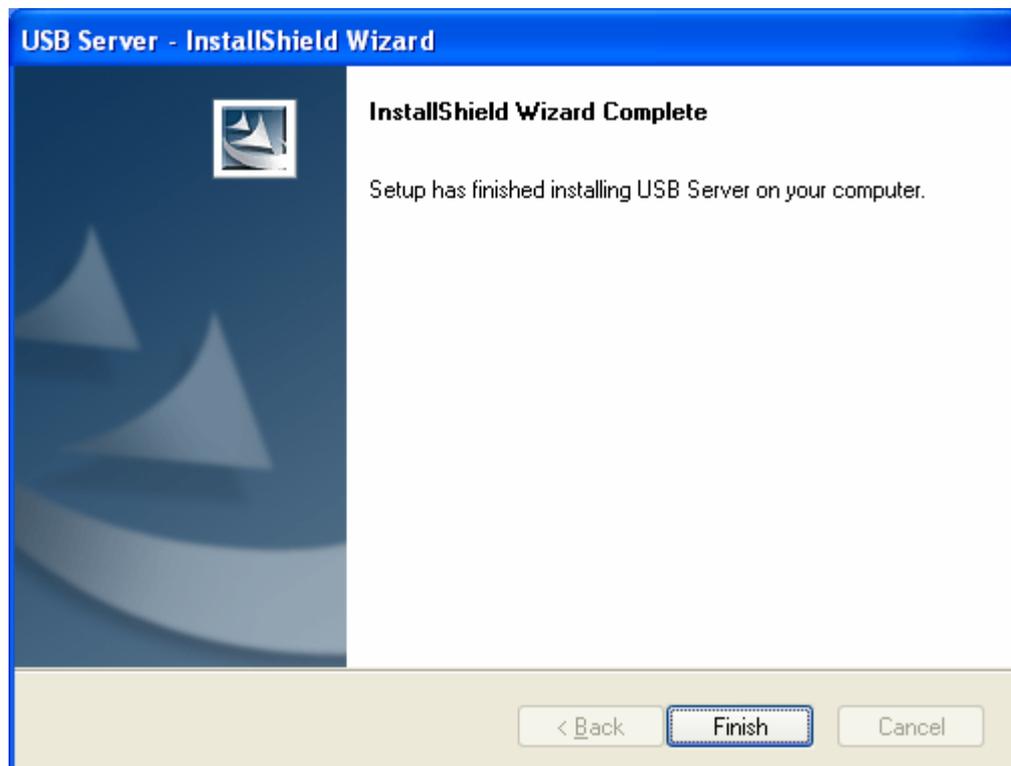
2. Your screens may temporarily go black or flash during this process.



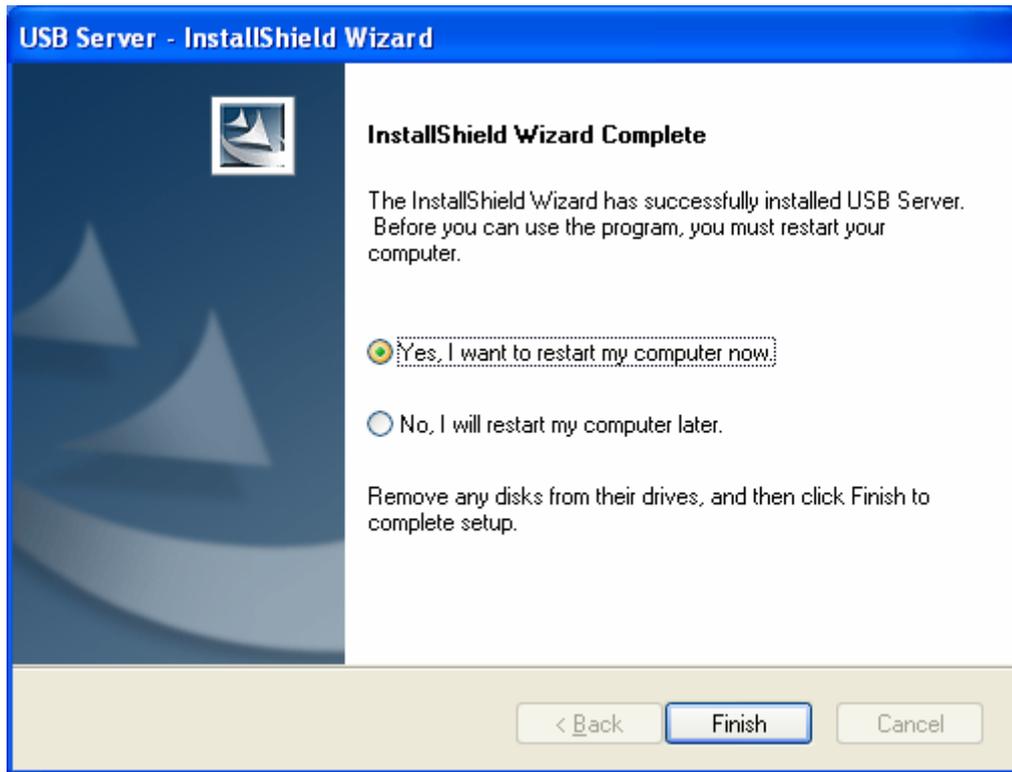
3. USB Server Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.



4. Setup has finished installing USB Server on your computer. Please click **Finish**.



5. The InstallShield Wizard has successfully installed USB Server. Before you can use the program, you must restart your computer.



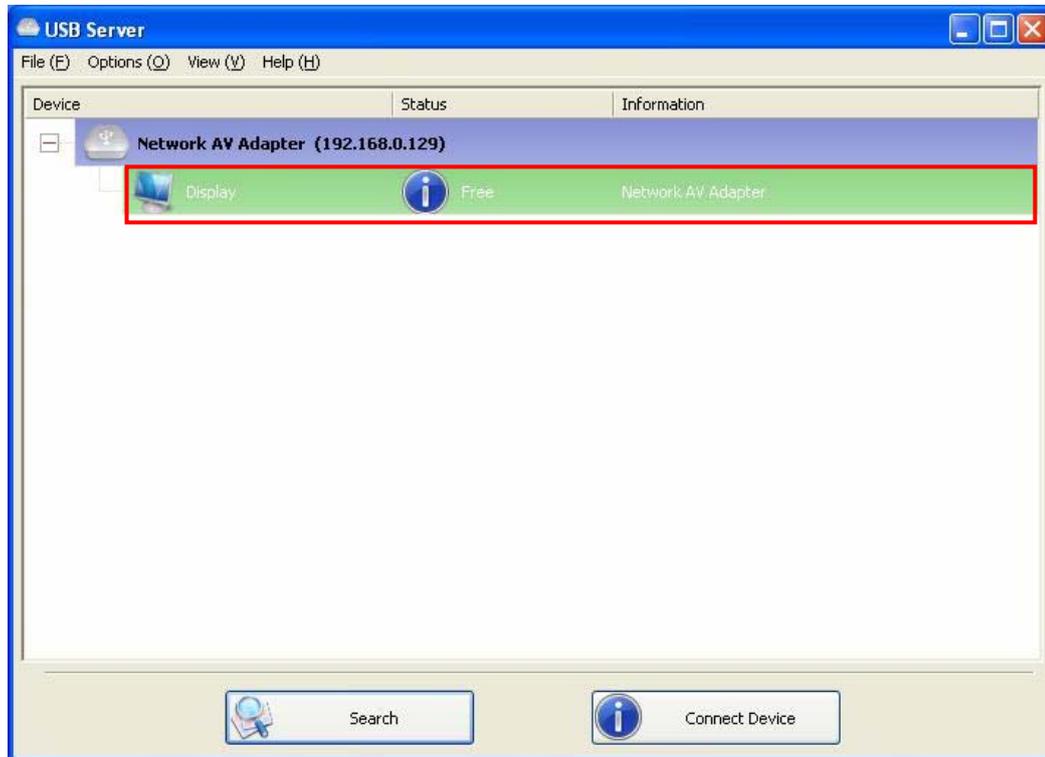
6. When the installation is completed. Please restart your system before using Gigabit Ethernet to DVI Adapter. You may see the **Launch USB Server** icon on desktop.



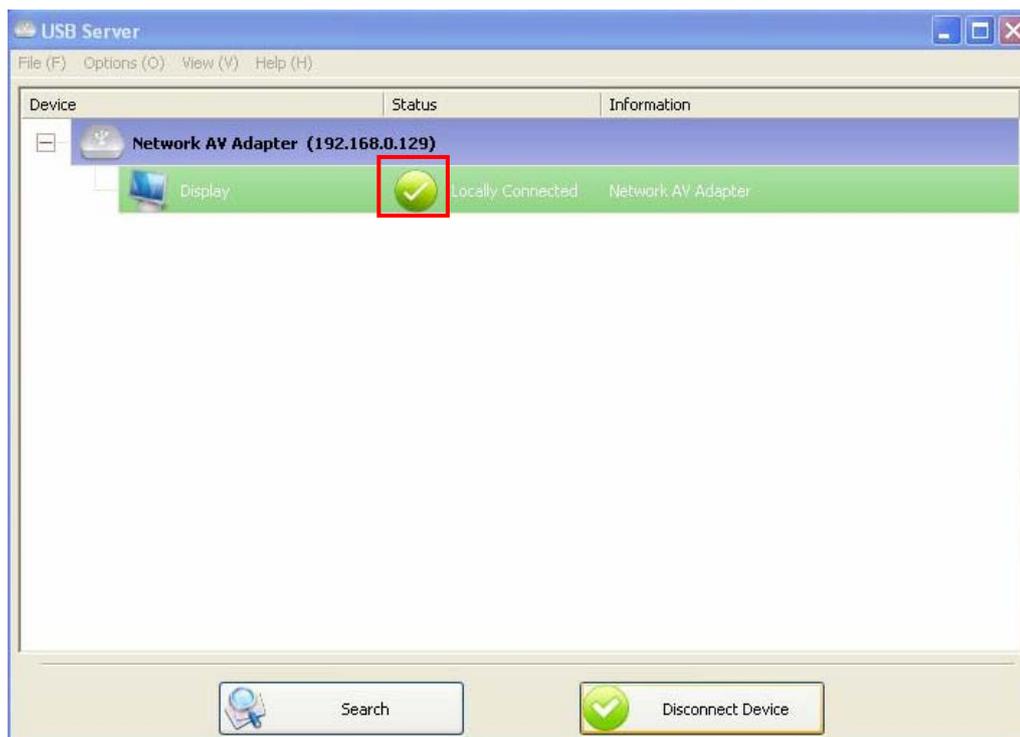
7. Please plug power cable into Gigabit Ethernet to DVI Adapter and connect the Ethernet adapter's LAN port end to a free Router.

- Please return to the desktop and Double-click the shortcut icon of **Launch USB Server** on the desktop. This will bring up the main dialog box. The following is what you will see at program start up; please click **Connect Device** when a device is selected.

The **Windows Security Alert Window** will appear when making connection. Please click **Unblock** or **Allow Access** button to make connection.



- When the device is connected, the check mark will be green.



On Windows Vista® / Windows® 7

Caution: DO NOT connect the adapter to your computer before installing the driver on the provided CD.

1. Insert the provided CD into your disc drive. Locate and double-click the **Run autorun.exe** file in the **Driver** folder to launch the setup program.

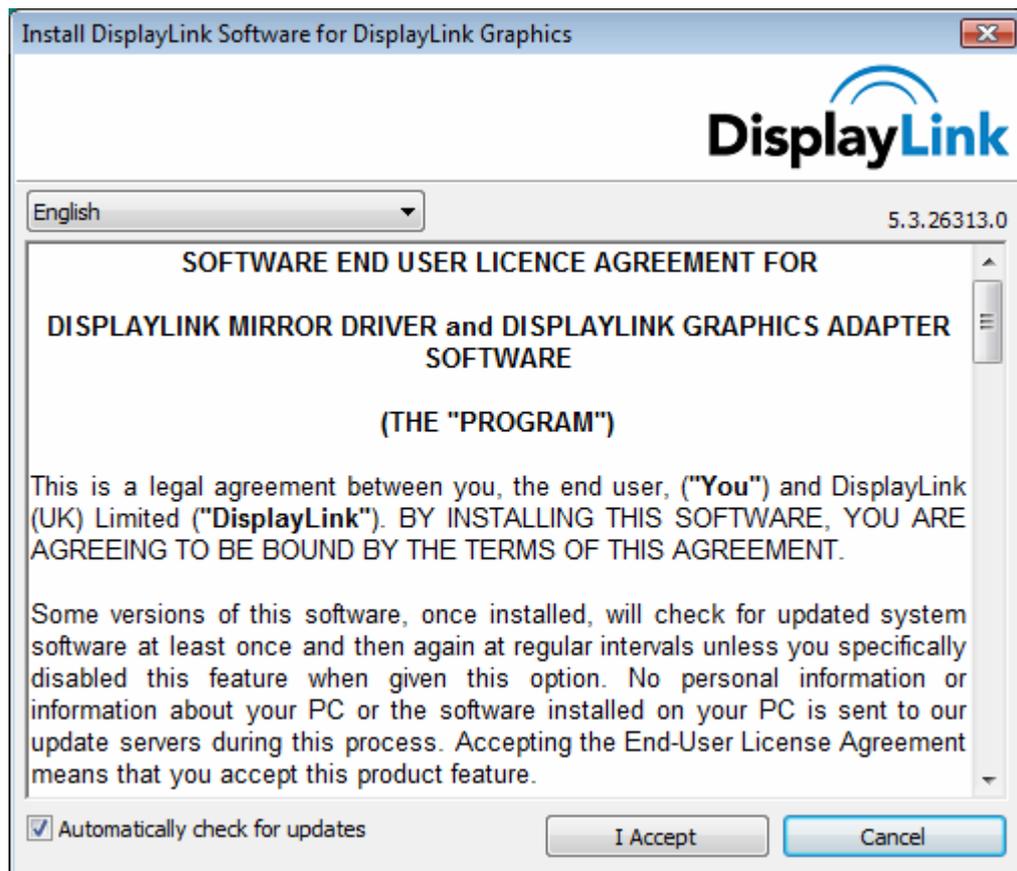


Note :

If the installer program doesn't run automatically, please locate and double-click on the **Setup.exe** file in the **Driver** folder to launch the setup program.

If you encounter a **User Account Control** dialog box when attempting to install a program, enter an administrator password or click **Allow/Yes** to start the installation.

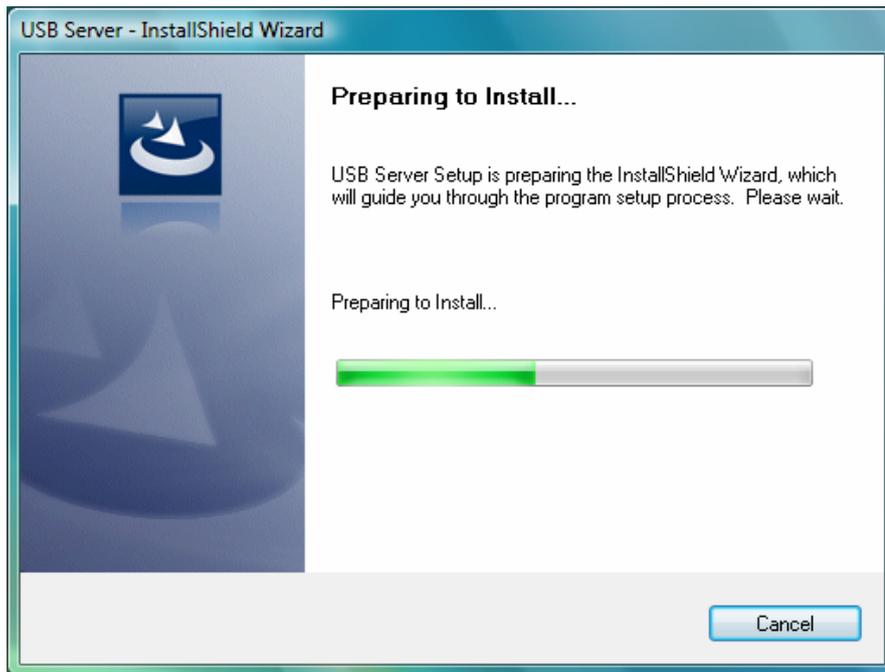
2. When the **Install DisplayLink Software** screen appears, select **I accept** the terms in the license agreement.



3. Your screens may temporarily go black or flash during this process.

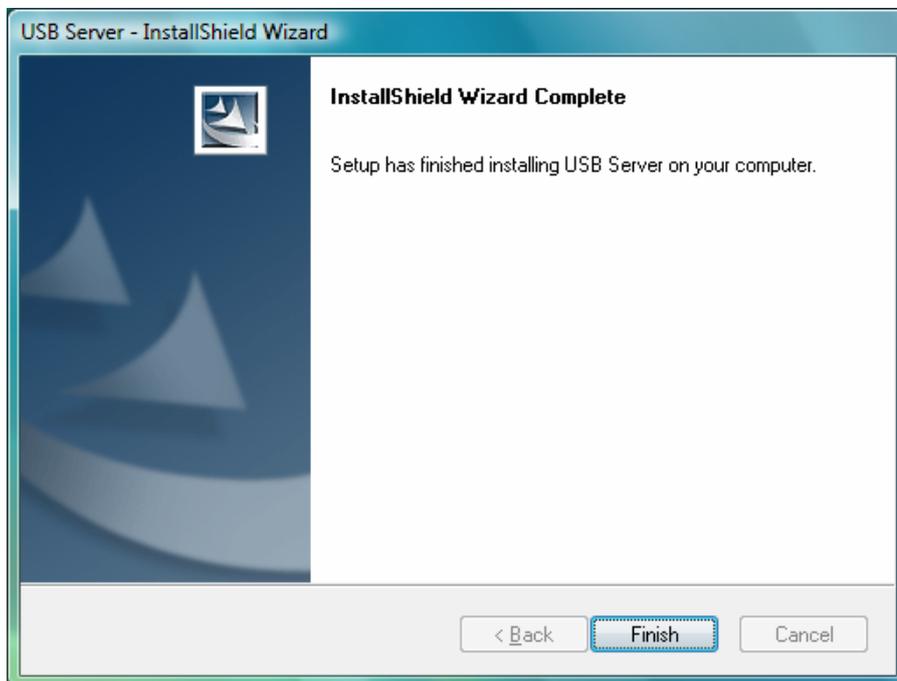


4. USB Server Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.

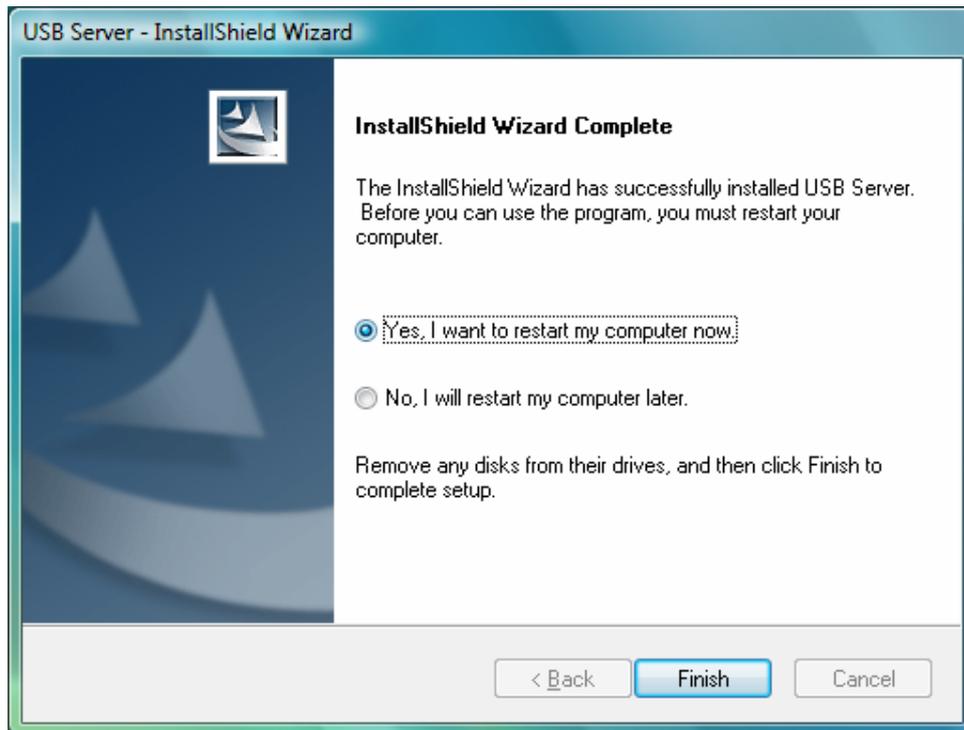


Note : If you encounter a **User Account Control** dialog box when attempting to install program, enter an administrator password or click **Allow/Yes** to start the installation.

5. Setup has finished installing USB Server on your computer.



6. The InstallShield Wizard has successfully installed USB Server. Before you can use the program, you must restart your computer.



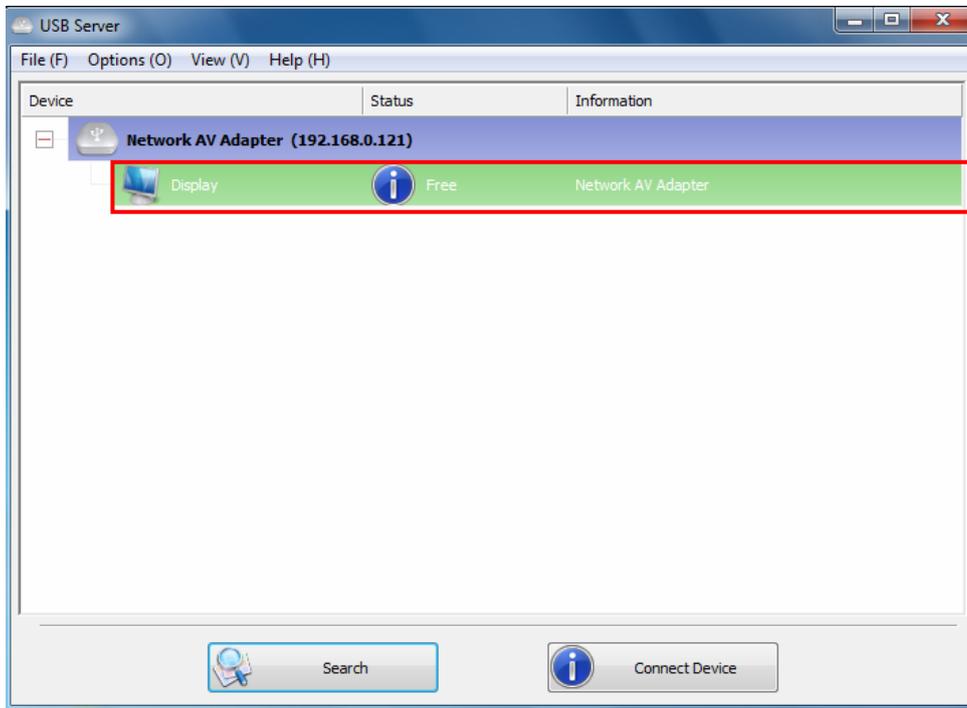
7. When the installation is completed. Please restart your system before using Gigabit Ethernet to DVI Adapter. You may see the **Launch USB Server** icon on desktop.



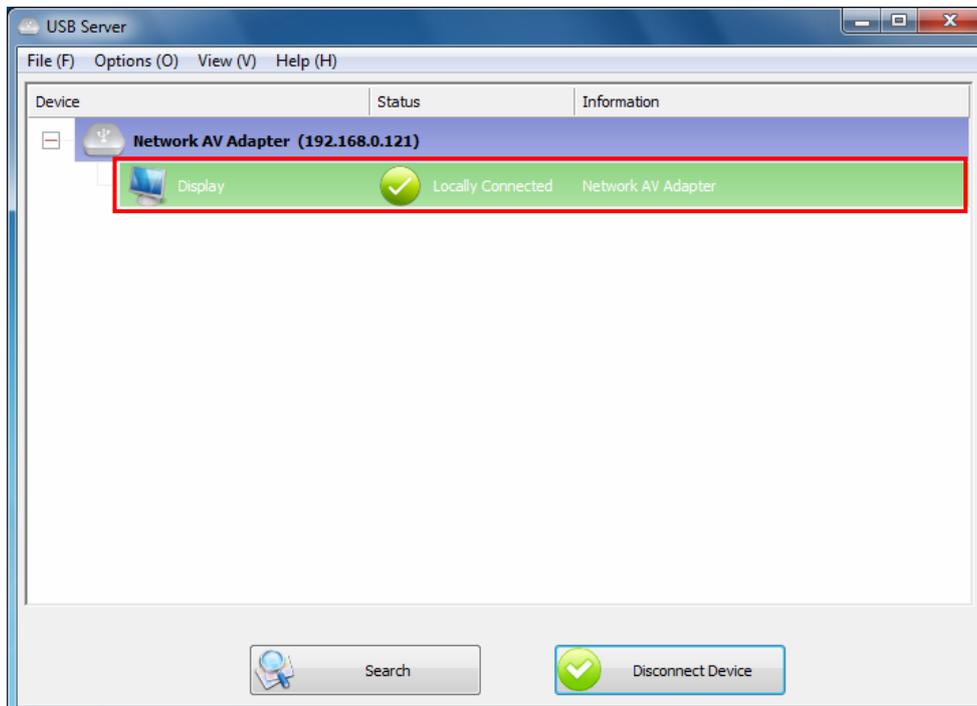
8. Please plug power cable into Gigabit Ethernet to DVI Adapter and **connect** the Ethernet adapter's LAN port end to a free Router.

9. Please return to the desktop and Double-click the shortcut icon of **Launch USB Server** on the desktop. This will bring up the main dialog box. The following is what you will see at program start up; please click **Connect Device** when a device is selected.

The **Windows Security Alert Window** will appear when making connection. Please click **Unblock** or **Allow Access** button to make connection.



10. When the device is connected, the check mark will be green.

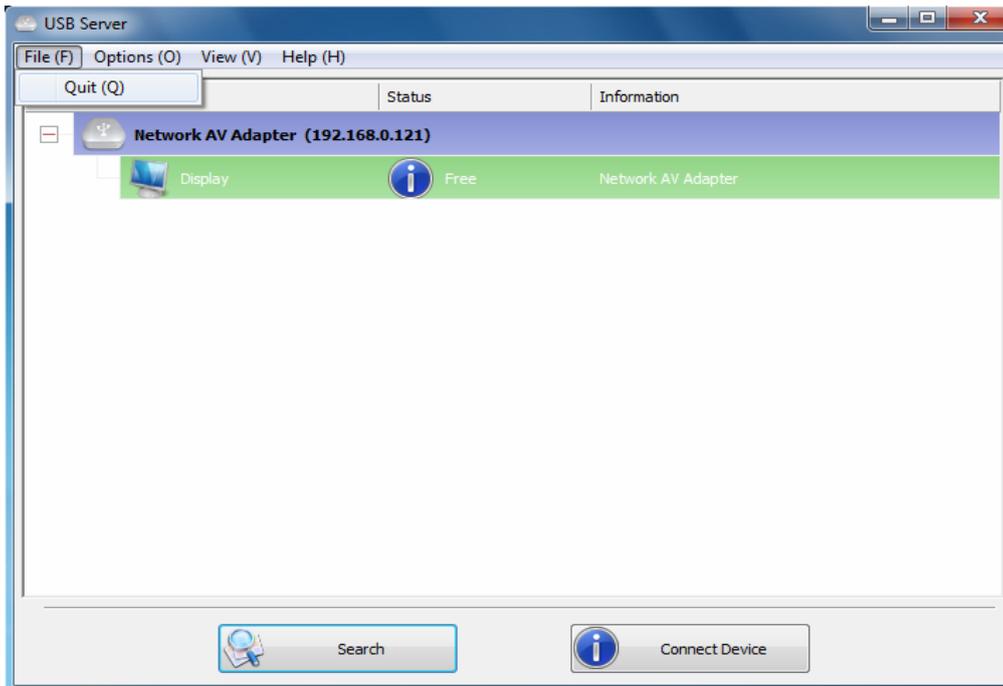


*Actual strings depend on your operation system. These screen shots are from Windows Vista® 64-bit and might vary slightly for each operation system.

Application

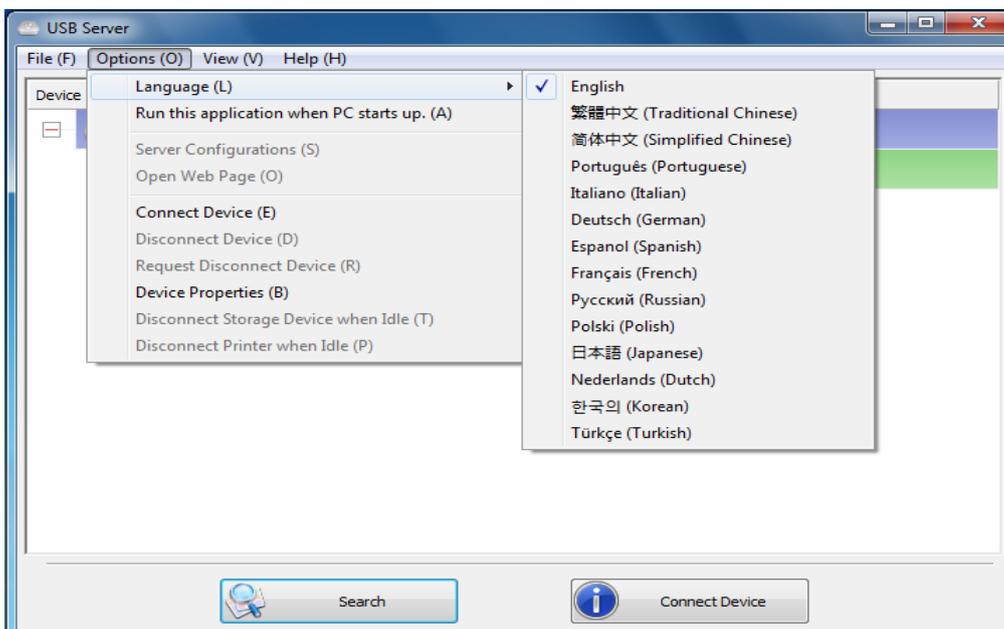
■ File

The **Quit** function exits the program.

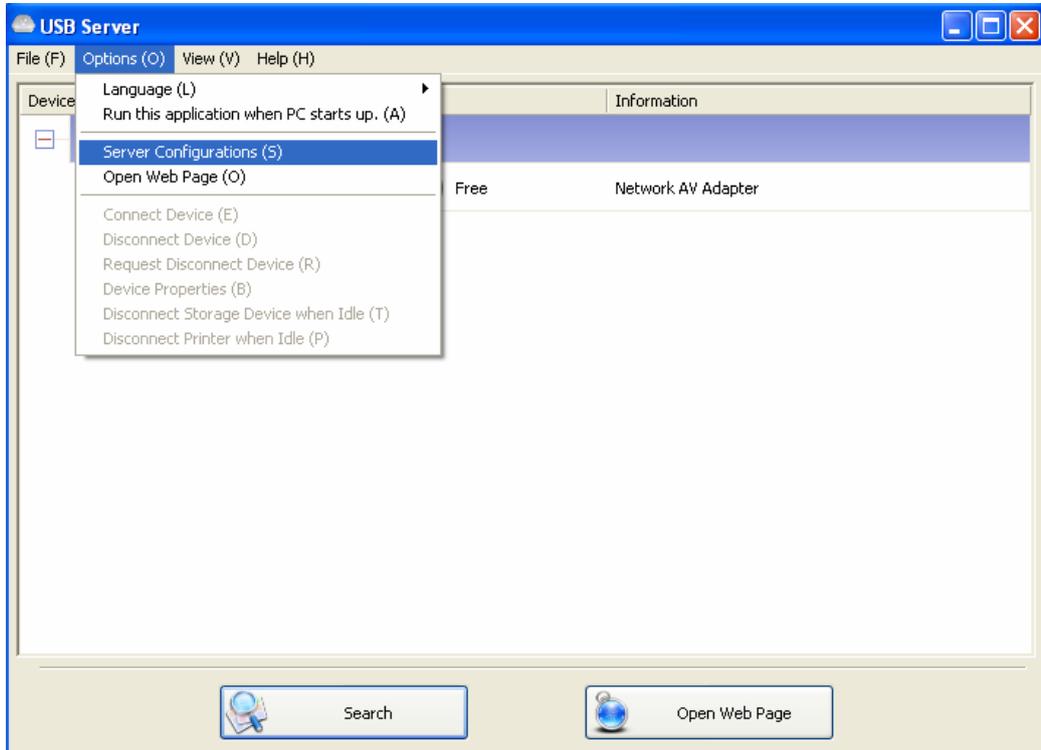


■ Options

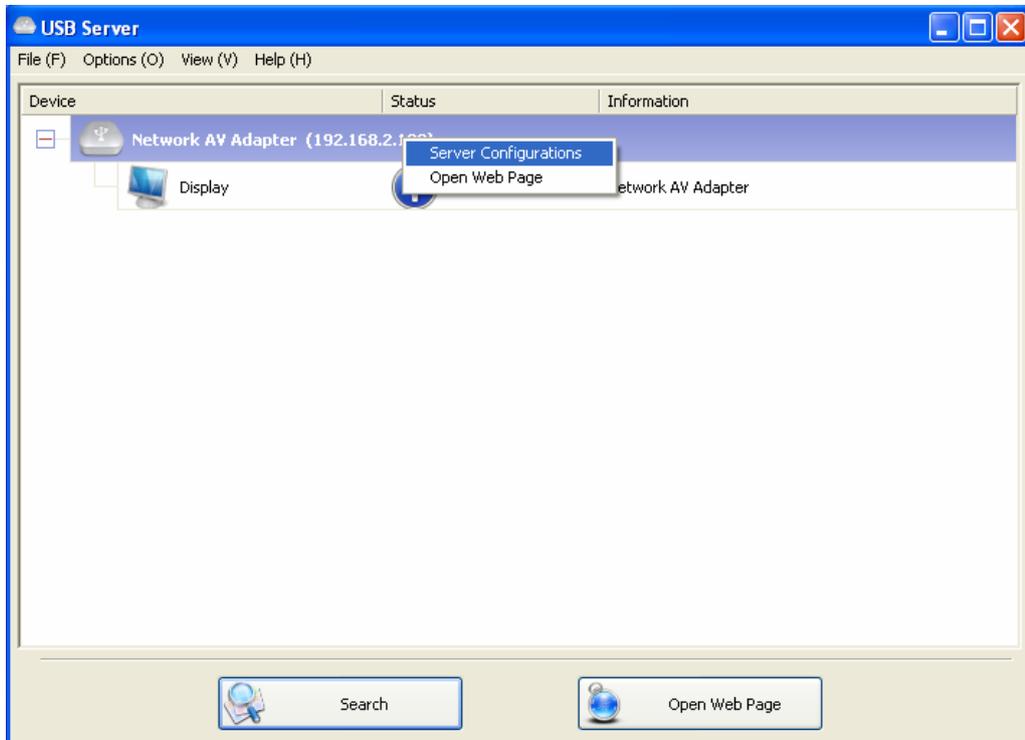
- ◆ **Language:** You can change the utility's language with this option. The default language would be the same as your system's language.



- ◆ **Server Configuration:** There are two way to bring up Server Configuration. You can go through **Options Tab** (figure 1) or Right-Click on the server icon to bring up this menu, and select **Server Configuration** (figure 2).



(Figure 1)



(Figure 2)

Server Configurations

Network Setting :

Server Name : Network AV Adapter

USE DHCP

IP Address : 192 . 168 . 2 . 103

Subnet : 255 . 255 . 255 . 0

Set Cancel

Backup Firmware

Update Firmware

Change Password

Restart Server

Server Name: This field allows you change the Server name. Change it whatever you want.

USE DHCP: When this field is checked, your server acquires IP address automatically. Uncheck it and you can enter IP address automatically.

Note: You can apply this function to a server under different network segment. HOWEVER, some router/switch hub does not allow communication between servers under different segment. In this case, you won't even see the server on a different network segment.

Backup Firmware: this function is a fail-save mechanism for the Update Firmware function. Just browse to where you want to save the backup file and click on **Save** to save the file.

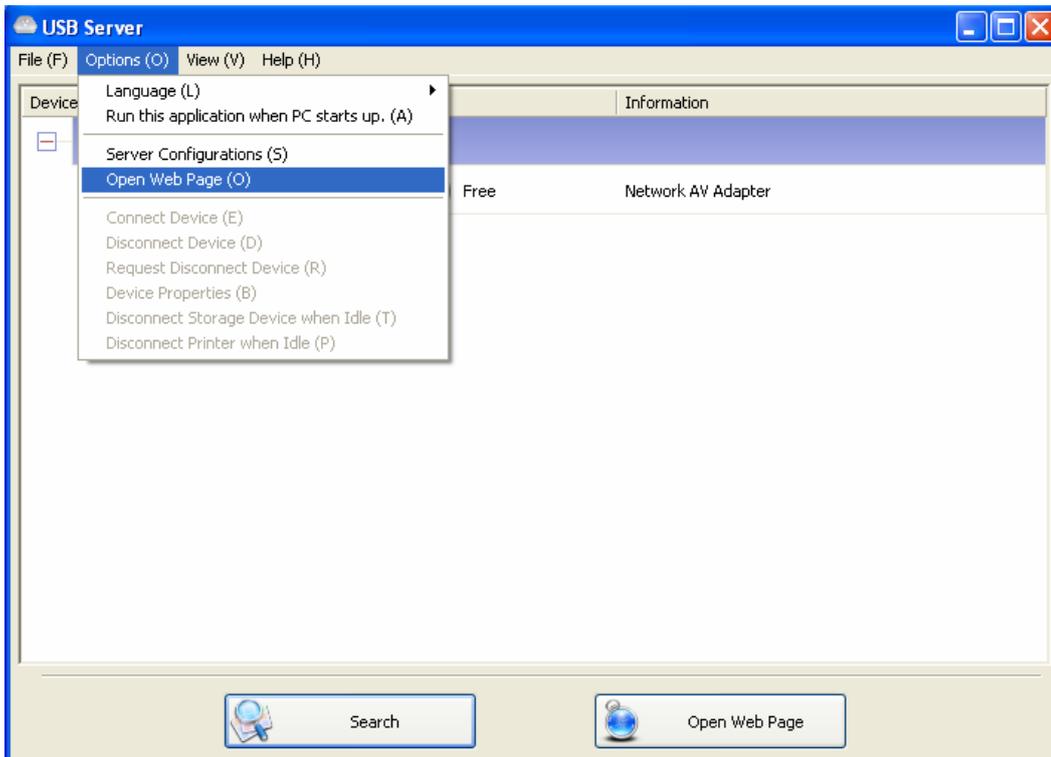
Update Firmware: update firmware with this function. Use the **Browse** button to choose the firmware to update. Click on **Open** to start.

Change Password: Simply enter the new password and enter it again for confirmation. Click on **Submit** to change.

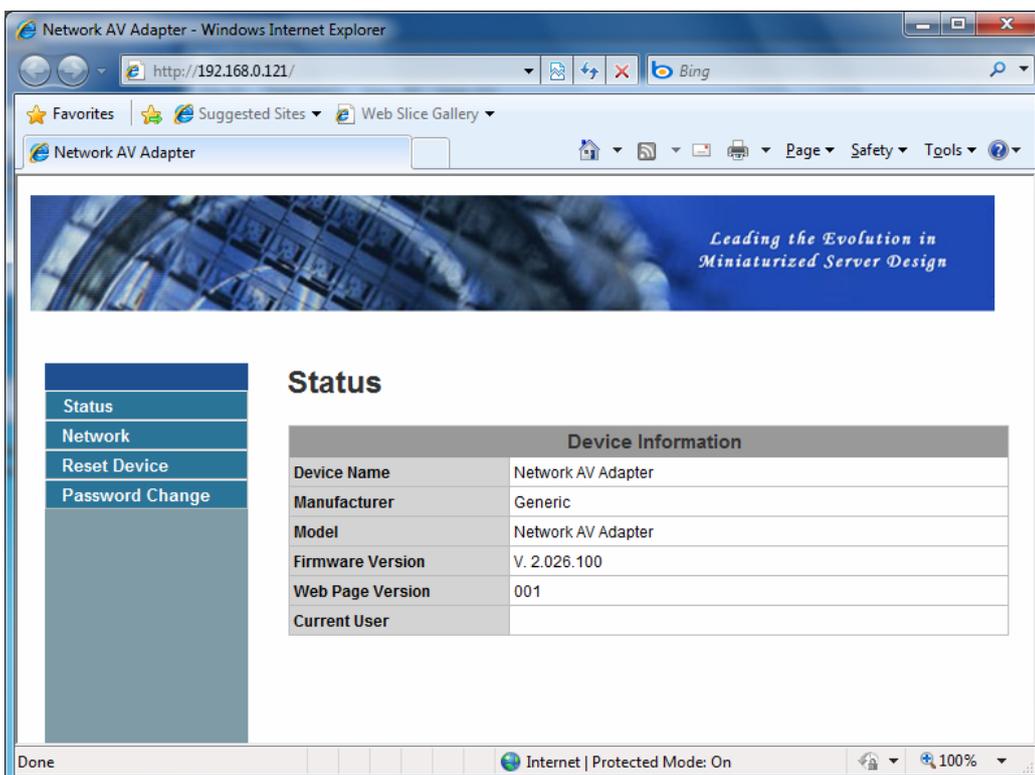
Reset Server: This button reboots the server. Please note that this function will not work if the server you attempt to reset has a device connected to it and the device is occupied by a user.

■ Open Web Page

To bring up the server's configuration web pages.



Status: This is the main page. You can see the important information about the EST USB Server and the devices connected to it. The 4 links at the left-hand side take you to different pages with other information about this server or functions you could perform.



Network Information: This page displays the current network setting of the server, like the current IP setting and the MAC address.

The screenshot shows a web browser window titled "Network AV Adapter - Windows Internet Explorer" with the address bar displaying "http://192.168.0.121/". The page content includes a navigation menu on the left with options: Status, Network, Reset Device, and Password Change. The main content area is titled "Network" and contains two sections:

Network Information	
IP Setting	Automatic (DHCP)
IP Address	192.168.0.121
Subnet Mask	255.255.255.0
MAC Address	00:50:b6:07:74:37

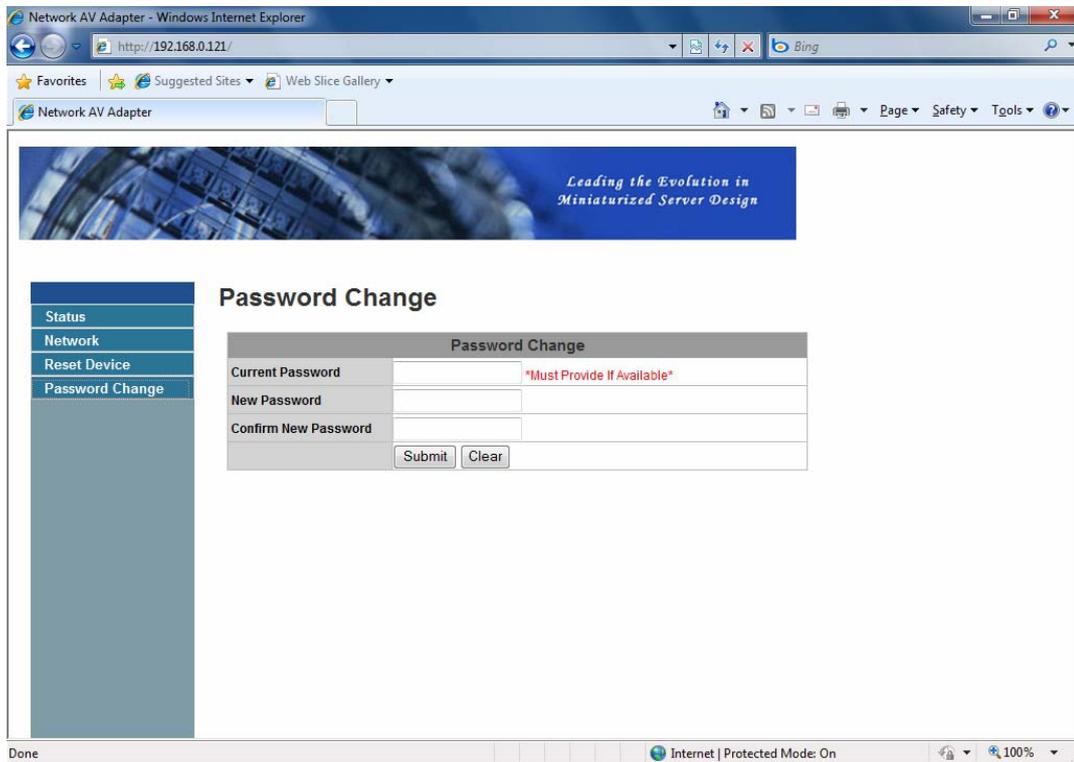
Network Setting	
DHCP Setting	Enable
IP Address	192 168 0 121
Subnet Mask	255 255 255 0
Device Name	Network AV Adapter
Password	<input type="password"/> *Must Provide If Available*
<input type="button" value="Submit"/> <input type="button" value="Clear"/>	

Reset Device: Click on the Submit button with the correct password provided will reboot this EST USB Server. If no password has been set, then simply click on Submit button to perform this function.

The screenshot shows the same web browser window, but the page content is now titled "Reset Device". The navigation menu on the left remains the same. The main content area is titled "Reset Device" and contains a form:

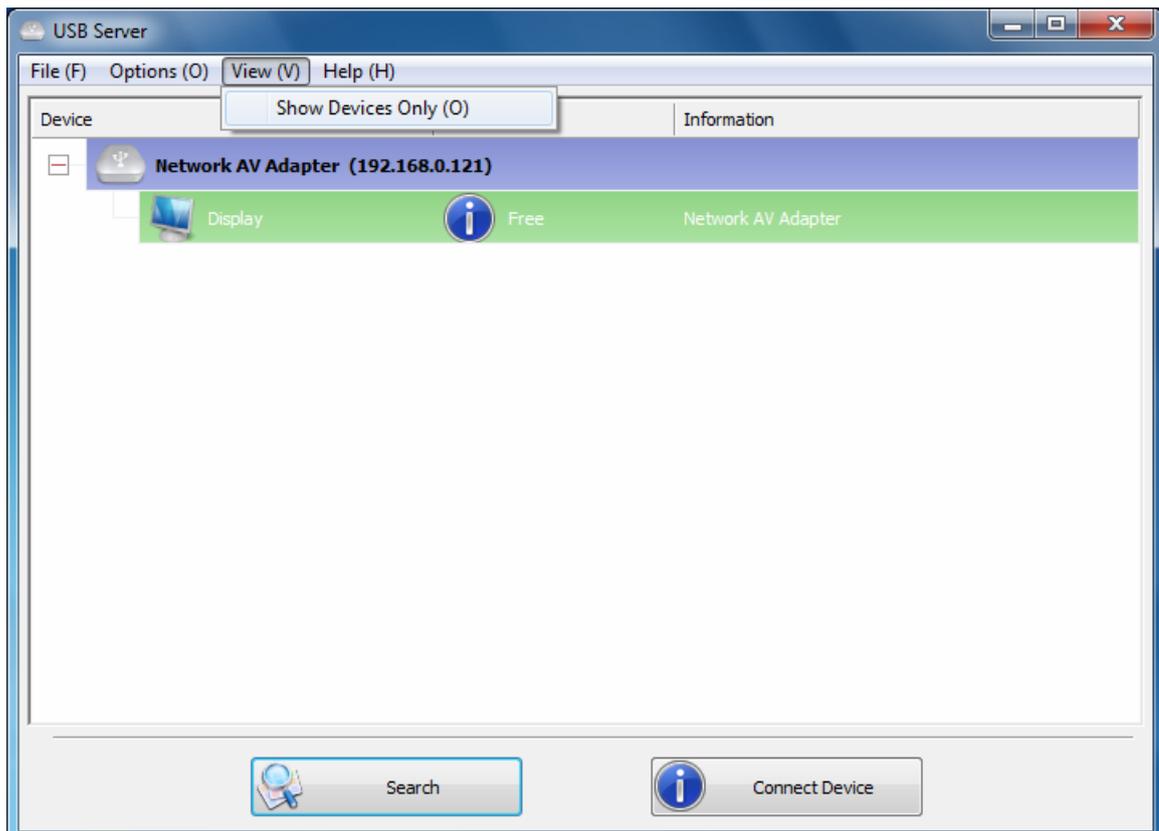
Reset Device	
Password	<input type="password"/> *Must Provide If Available*
<input type="button" value="Submit"/> <input type="button" value="Clear"/>	

Change Password: To change the password, you must enter current password, enter new password and enter it again for confirmation and then click on Submit to set the new Password. If you are setting the password for the first time, you do not have to provide current password.



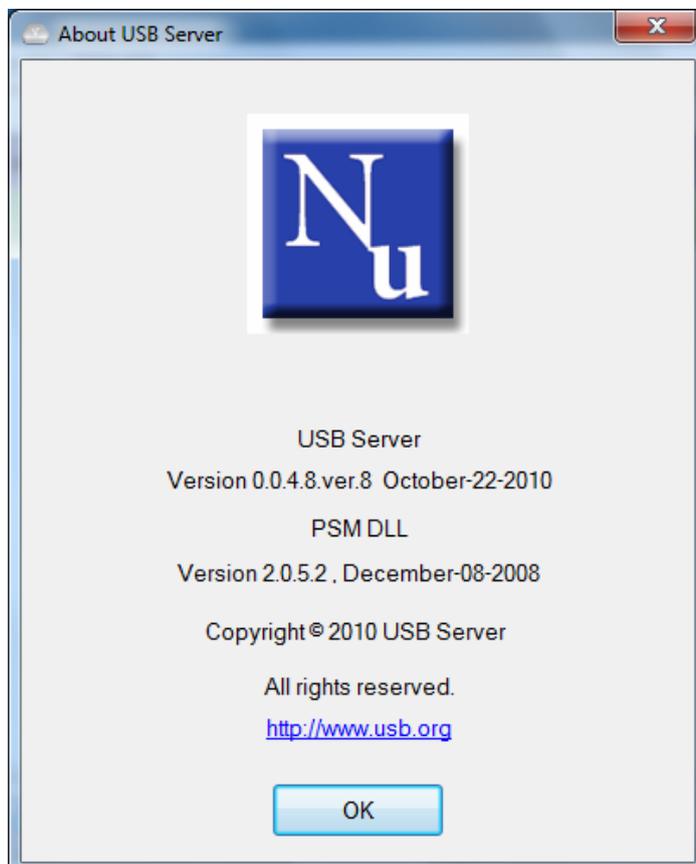
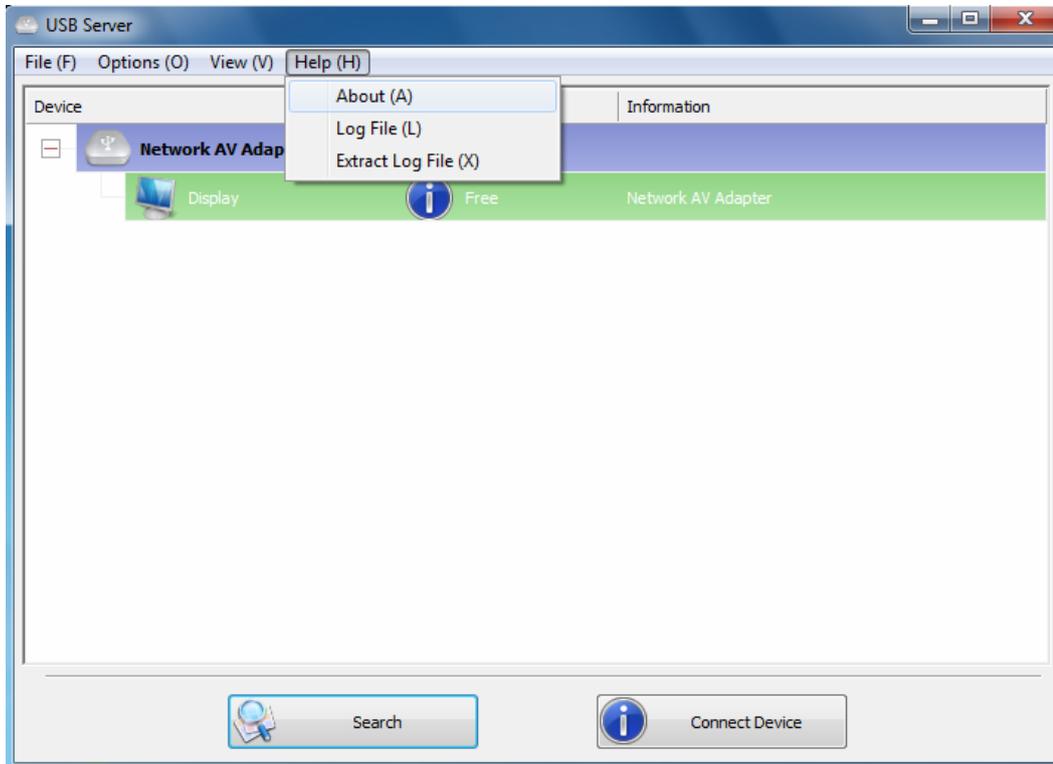
■ View

The tree view in the main dialog has two display modes: “Servers and Devices” mode and “Devices Only” mode. The default setting is “Devices Only” mode. You can toggle between these two display modes with the View option on the control menu.

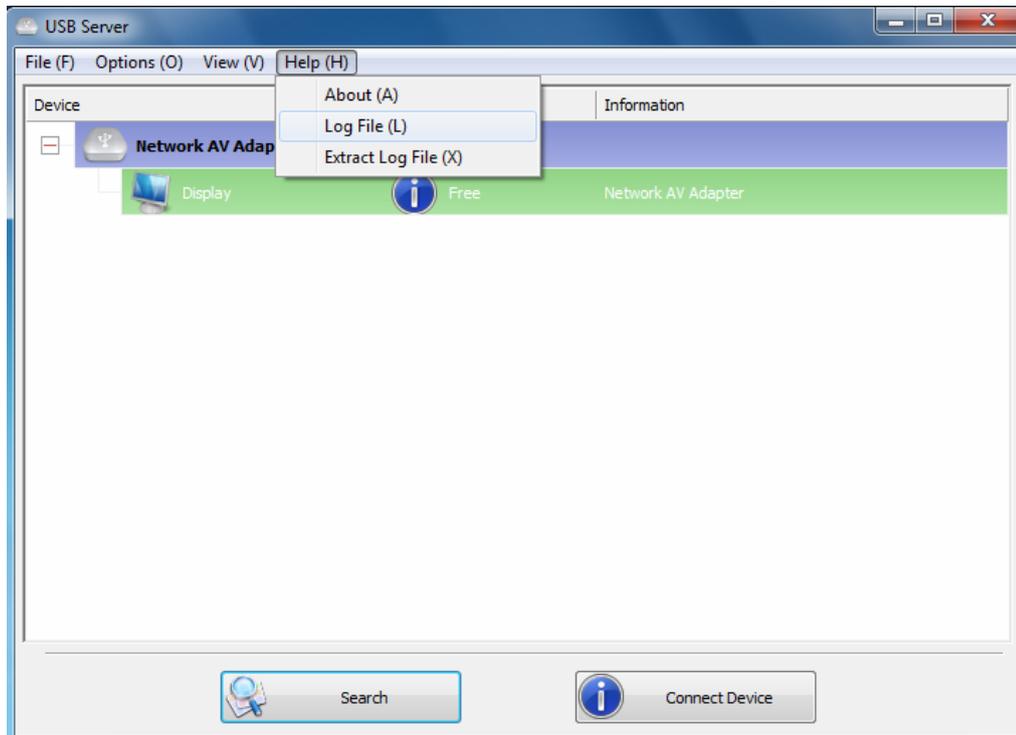


■ Help

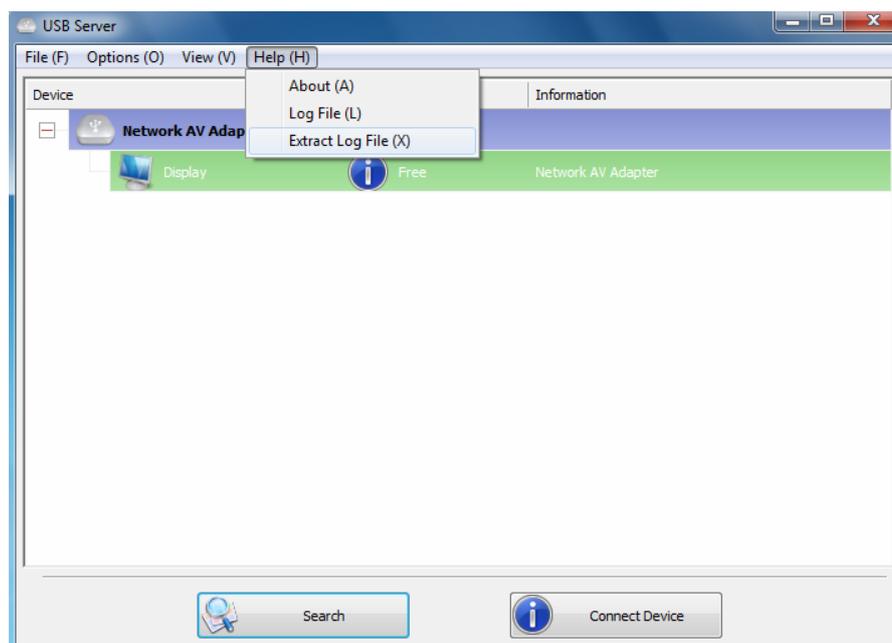
- ◆ **About:** Bring up a dialog box with legal and other relative information displayed.



- ◆ **Log File:** Enabling Log function allows the USB Server software to generate a log file that records data which might help software developers debug a problem. So if you want to report a bug, enable this function and repeat the steps to reproduce the bug. Once you have seen the bug happen again, you can use the Extract log file function to extract the file and send the file in for analysis.



- ◆ **Extract Log File:** Clicking on this option brings up the folder where the log file is kept.



4. Display Mode

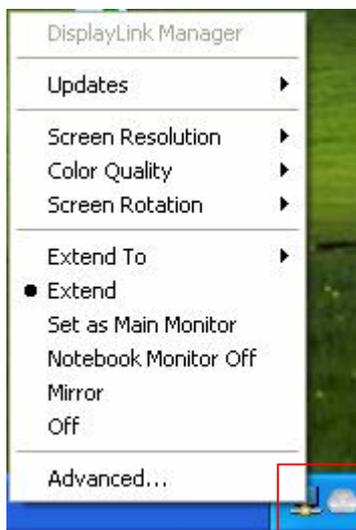
On Windows® XP/ Windows Vista®

To change the display mode, please right-click on your desktop and click **Properties > Settings** on Windows® XP, **Personalize > Display Setting** on Windows Vista® or use the icon in the system tray that looks like a monitor as below.

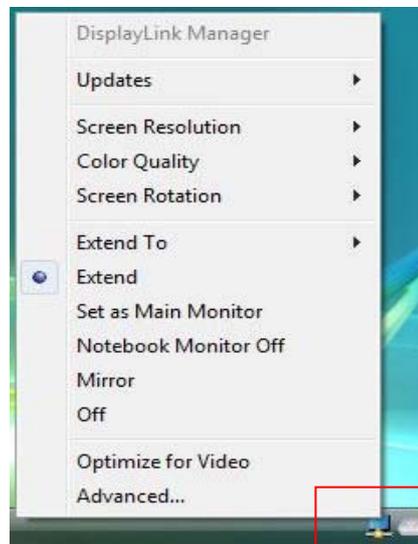
The USB-attached monitor can be configured to:

- Extend your Windows desktop (default)
- Extend your Windows desktop to Right / Left / Above / Below
- Mirror your Windows desktop
- Set as Main Monitor
- Notebook Monitor Off
- Off

On Windows® XP

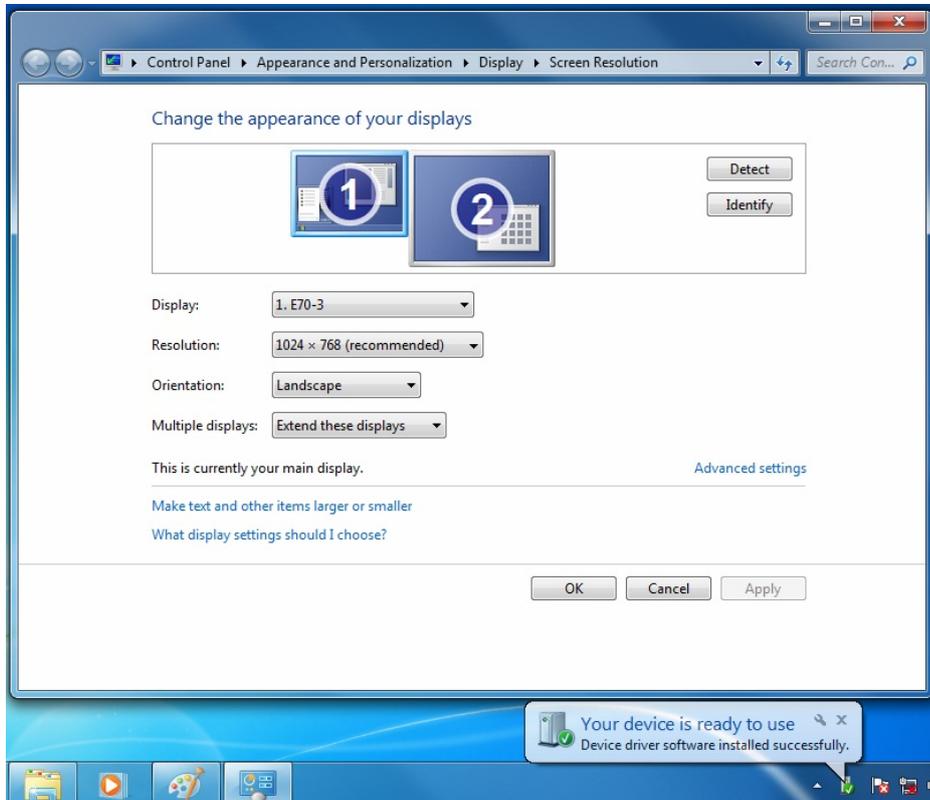


On Windows Vista®



On Windows® 7

1. You can change the appearance of your displays through the Window. Moreover, additional controls are available in Windows® 7: Orientation (Portrait, landscape, rotated portrait, rotated landscape)



2. To control the behavior of an attached DisplayLink device (or screen), it is possible to use **Windows Key+P** to display menu (and cycle through it) to allow: Disconnect Projector, Duplicate, Extend, Projector Only.

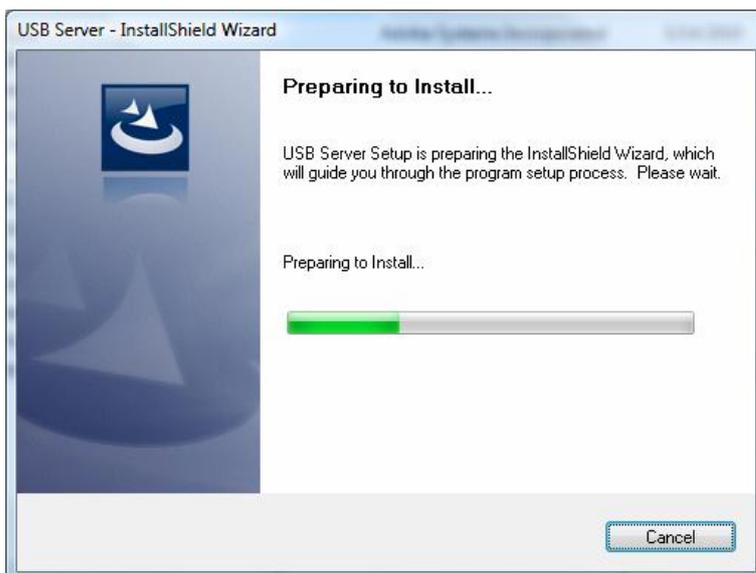
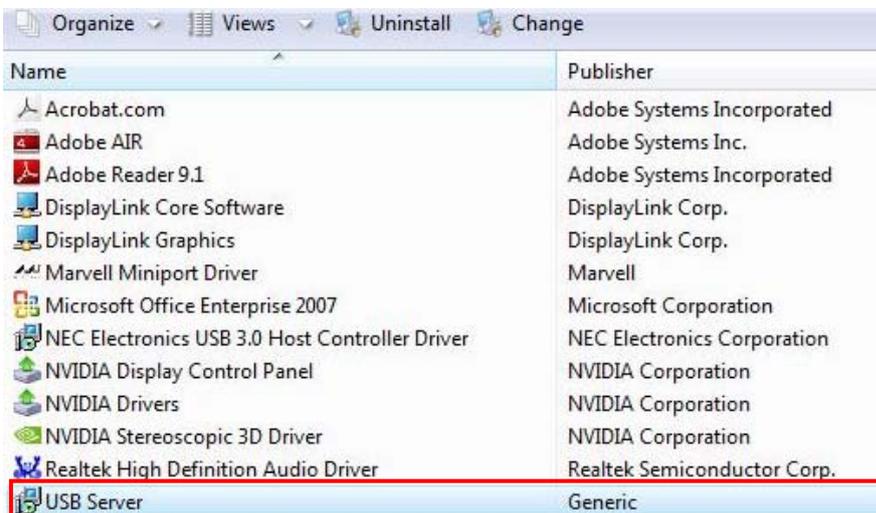


5. Uninstall the Driver

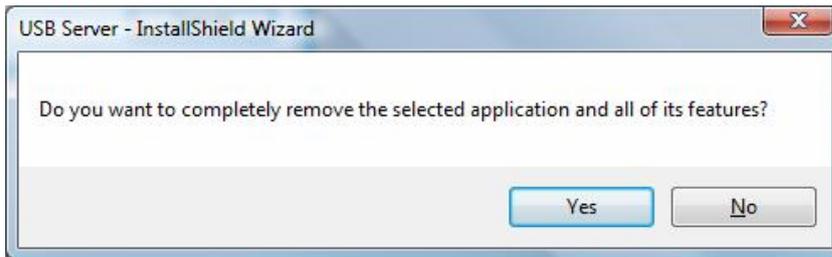
If for any reason you want to uninstall the driver, please take these steps:

Uninstall USB Server Driver

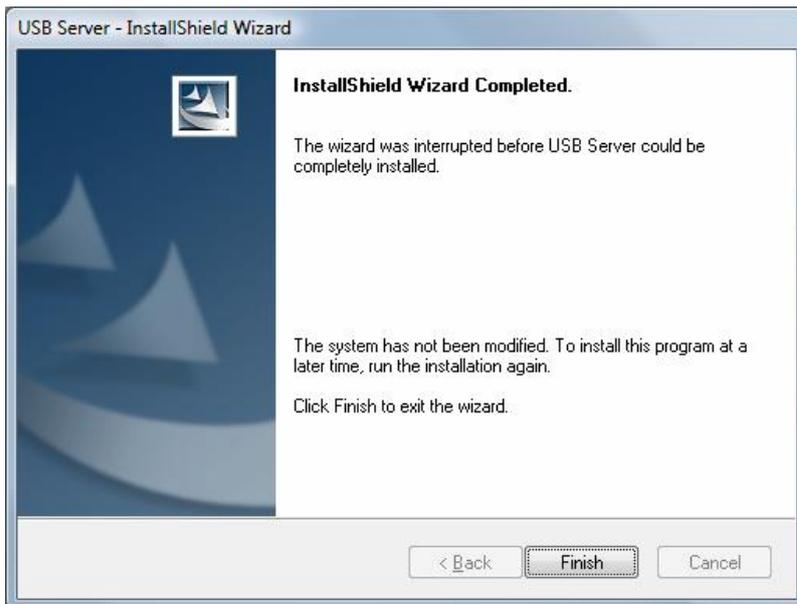
1. Open the **Control Panel** and double-click **Uninstall a Program** on Windows[®] 7, **Programs and Features** on Windows Vista[®], and **Add or Remove Programs** on Windows[®] XP.
2. Select USB Server and click Uninstall or Remove.



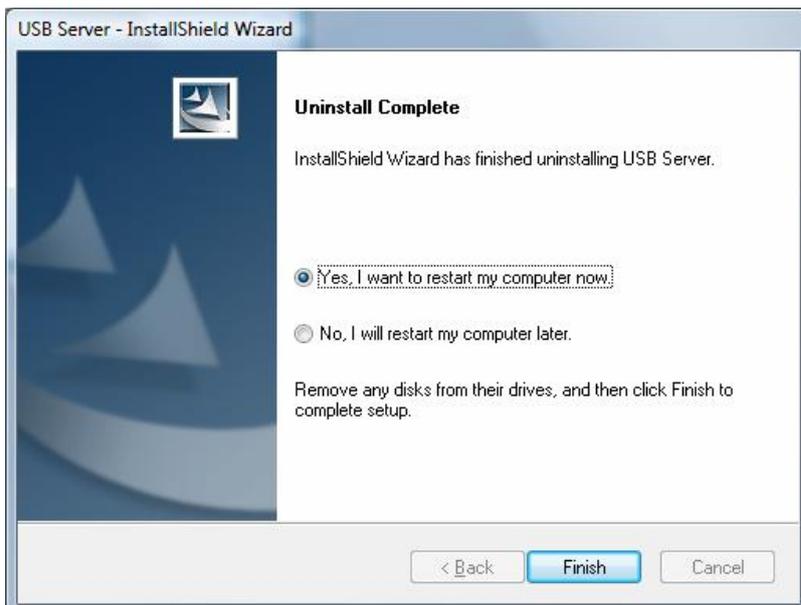
3. Click **Yes** to completely remove the selected application and all of its features.



4. Click **Finish** to exit the wizard.

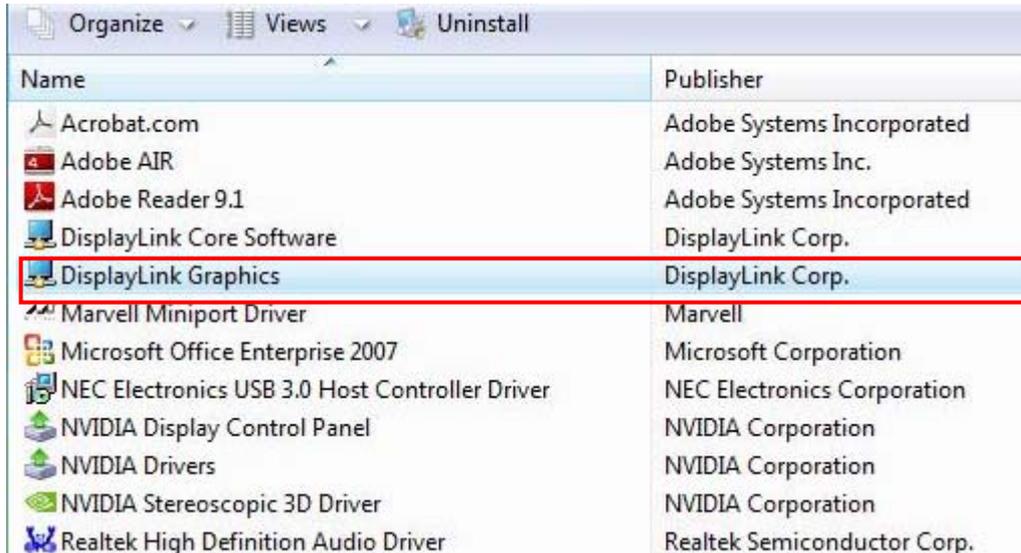


5. Select **"Yes, I want to restart my computer now"** and click **Finish**.

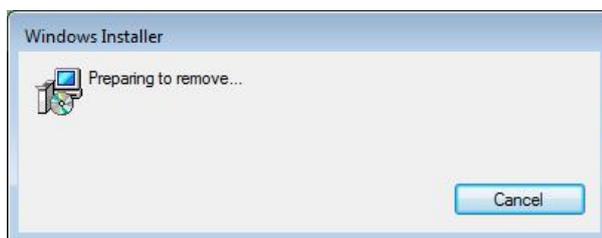


Uninstall the DisplayLink Driver

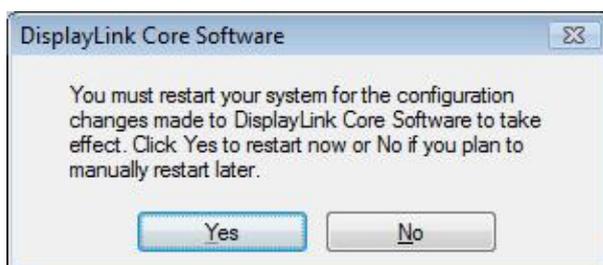
1. Open the **Control Panel** and double-click **Uninstall a Program** on Windows[®] 7, **Programs and Features** on Windows Vista[®], and **Add or Remove Programs** on Windows[®] XP.
2. Select DisplayLink Graphics and click Uninstall or Remove.



3. Click **Yes** to confirm the removal. During the removal process a couple of DOS windows will pop up.



4. Click **Yes** to restart your computer and then unplug the adapter now.



6. Specifications

Function	Gigabit Ethernet DVI Adapter	
Connector	Gigabit Ethernet port	1 xRJ45 Female
	USB Downstream Port	2 xUSB A type Female
	Video out	1 x DVI
	Audio out	Speaker x1
	Power	1 x DC Jack(Black)
LED	Power LED	1x LED (Green)
	Link LED	1x LED(Blue)
Video	Video Resolution	1920 x 1080
Power Consumption	Operating Power : 1075mA	
	Suspend Mode Power : 893mA	
Physical Properties	Housing	Plastic (ABS + PC)
	Weight	110g
	Dimension	97mm(L)x75mm(W)x26mm(H)

7. Regulatory Compliance

FCC Conditions

This equipment has been tested and found to comply with Part 15 Class B 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: EMC Directive 2004/08/EC (EN55022/EN55024)

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.

