

ALi USB2.0 Host-Networking & Host-Link Solution

User's Installation Guide

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I. Overview

ALi's M5632 Host-to-Host Networking Controller provides an USB-based host-networking and host-link solution for two or more USB hosts of PC /Notebook. Designed with the proprietary power-saving technology, M5632 is a low-power single-chip solution with built-in two USB2.0 transceiver/controllers with embedded ping-pong FIFOs for optimized throughput. Through ALi's proprietary auto detecting and switching method between USB High-Speed (HS) and Full-Speed (FS), ALi M5632 supports a user-friendly oriented host-to-host networking application via both USB2.0 and USB1.1 interfaces.

ALi USB Host Link controller solution provides two software application solutions in one installation package, i.e., "USB Data Link" and "USB Virtual Network" packages to be optionally installed. However, these two solutions should NOT co-exist in one computer system due to operating system support and hardware limitation.

The "USB Data Link" (SuperLink) software package provides a software tool to enable end-user being capable of accessing remote file data in remote computer's storage device(s) through a simple drag&drop procedure. While the "USB Virtual Network" (Virtual Network) software package is developed to be an NDIS-compliant solution by emulating a virtual LAN interoperability among peer-to-peer end-users' computers. The VirtualNet provides a single-chip solution for networking two or more computers via their USB ports. It is inherently incompatible to connect two PCs together via a simple USB cable.

The SuperLink solution provides a better solution to resolve the "peer-to-peer" incompatibility concern by ALi's applying a customized application applet program. Two independent PC hosts can therefore exchange data or information through this proprietary software package by as easy as one simple drag&drop operation between two computer systems.

II. Ulan & Ulink Driver Installation

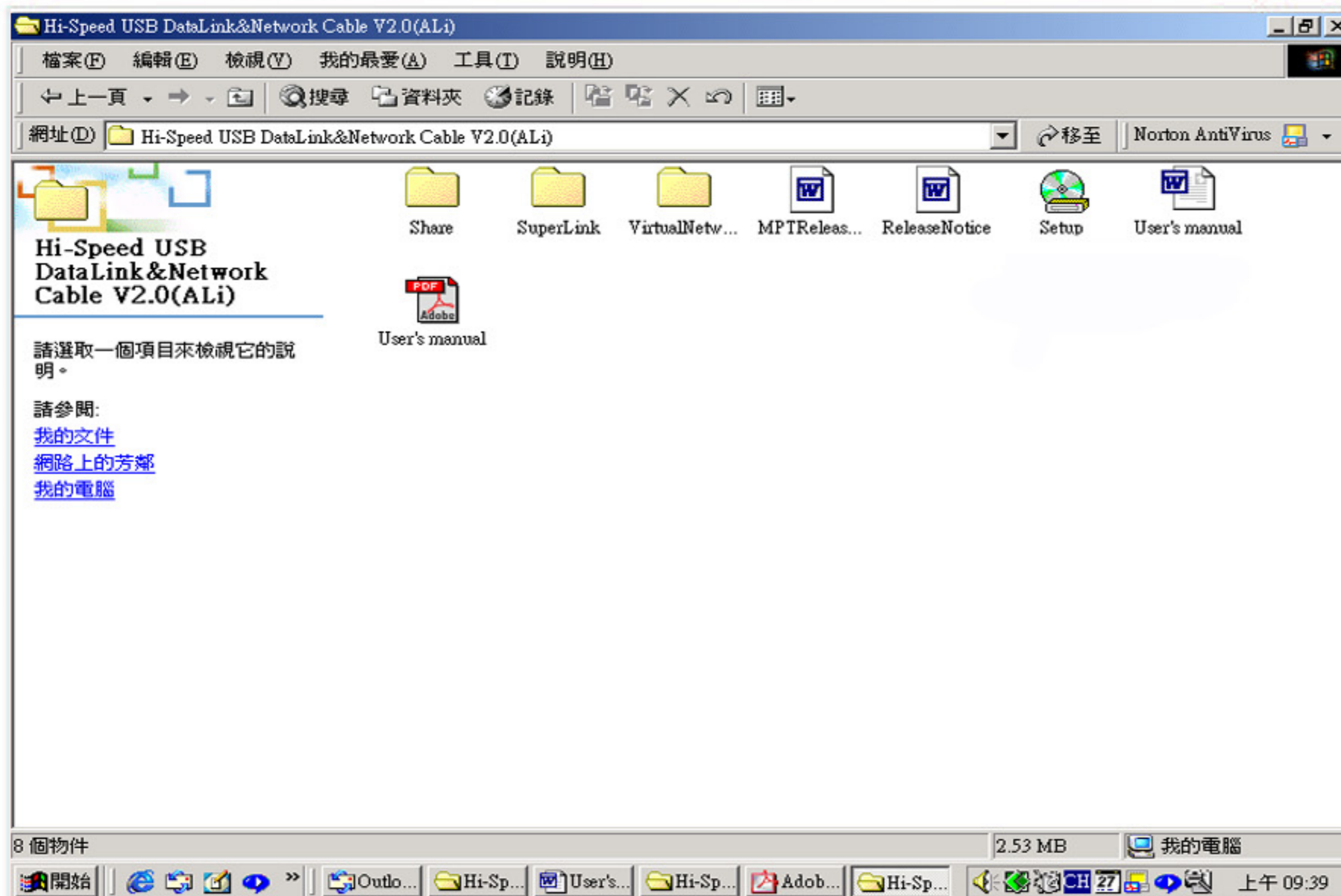
The following sections are to illustrate Ulan & Ulink software package installation procedure for ALi's USB Host-Networking & Host-Link solution. These sections include,

- (1) Virtual Network driver installation for Windows98/ME/2000
- (2) SuperLink driver installation for Windows98/ME/2000
- (3) Virtual Network driver installation for WindowsXP
- (4) SuperLink driver installation for WindowsXP
- (5) Verify Virtual Network driver installation for Windows98SE/ME
- (6) Verify Virtual Network driver installation for Windows2000/XP
- (7) Verify SuperLink driver installation for Windows98/ME/2000/XP
- (8) Upgrade Virtual Network driver installation for Windows98/ME/2000/XP
- (9) Upgrade SuperLink driver installation for Windows98/ME/2000/XP
- (10) Remove Virtual Network driver installation for Windows98/ME/2000/XP
- (11) Remove SuperLink driver installation for Windows98/ME/2000/XP
- (12) Remove SuperLink & Install Virtual Network driver for Windows98/ME/2000/XP

- (13) Remove Virtual Network & Install SuperLink driver for Windows98/ME/2000/XP
- (14) SuperLink Driver Installation by Windows Device Driver Wizard for Windows 98/ME/2000
- (15) Virtual Network Driver Installation by Windows Device Driver Wizard for Windows 98/ME/2000
- (16) SuperLink Driver Installation by Windows Device Driver Wizard for Windows XP
- (17) Virtual Network Driver Installation by Windows Device Driver Wizard for Windows XP

(1) Virtual Network Driver Installation for Windows 98/ME/2000

1. Select the software VirtualNet_Install.exe and click it.



2. The Installation Wizard will install the USB2.0 Virtual Network driver. Click Next.



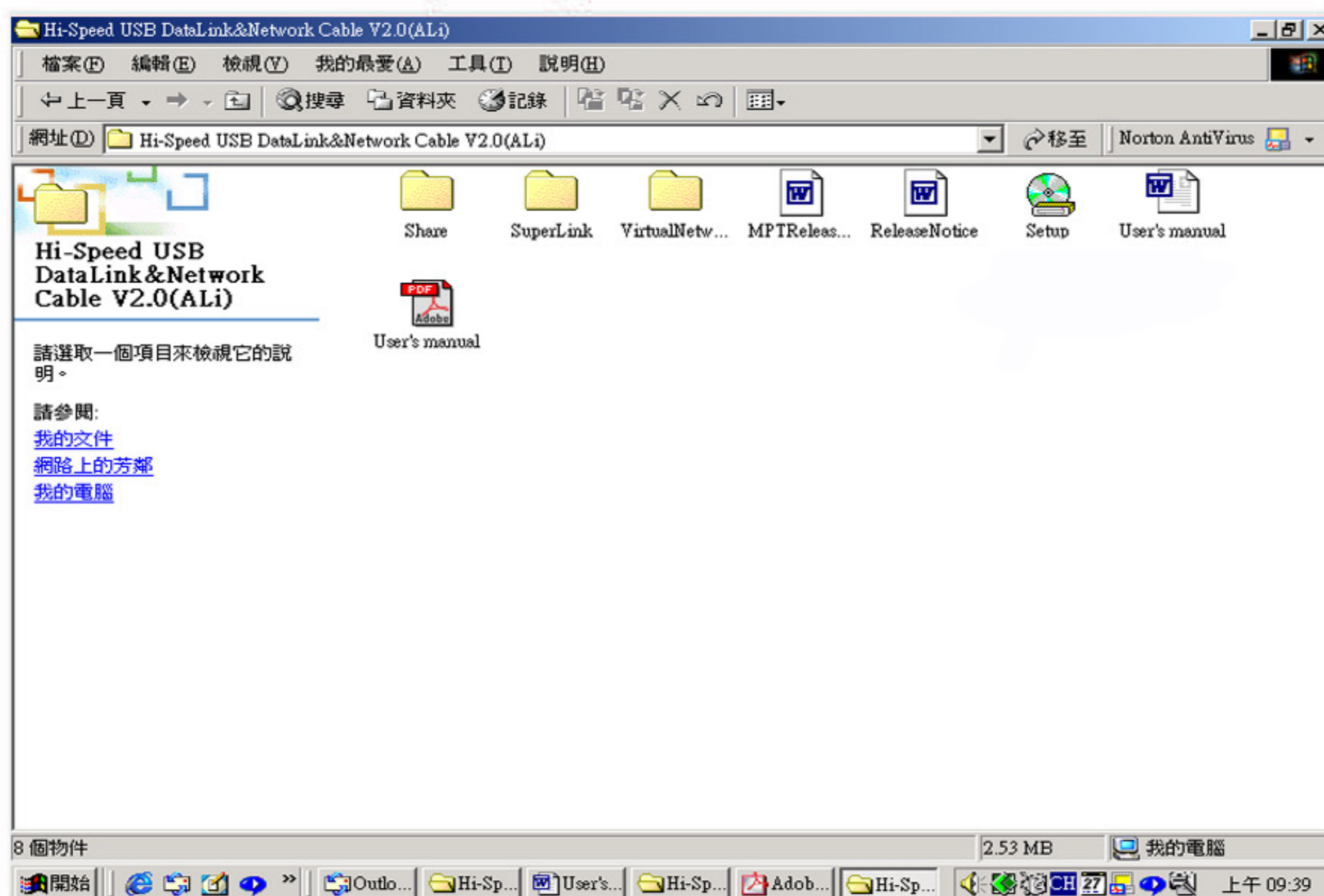
3. Click Finish.



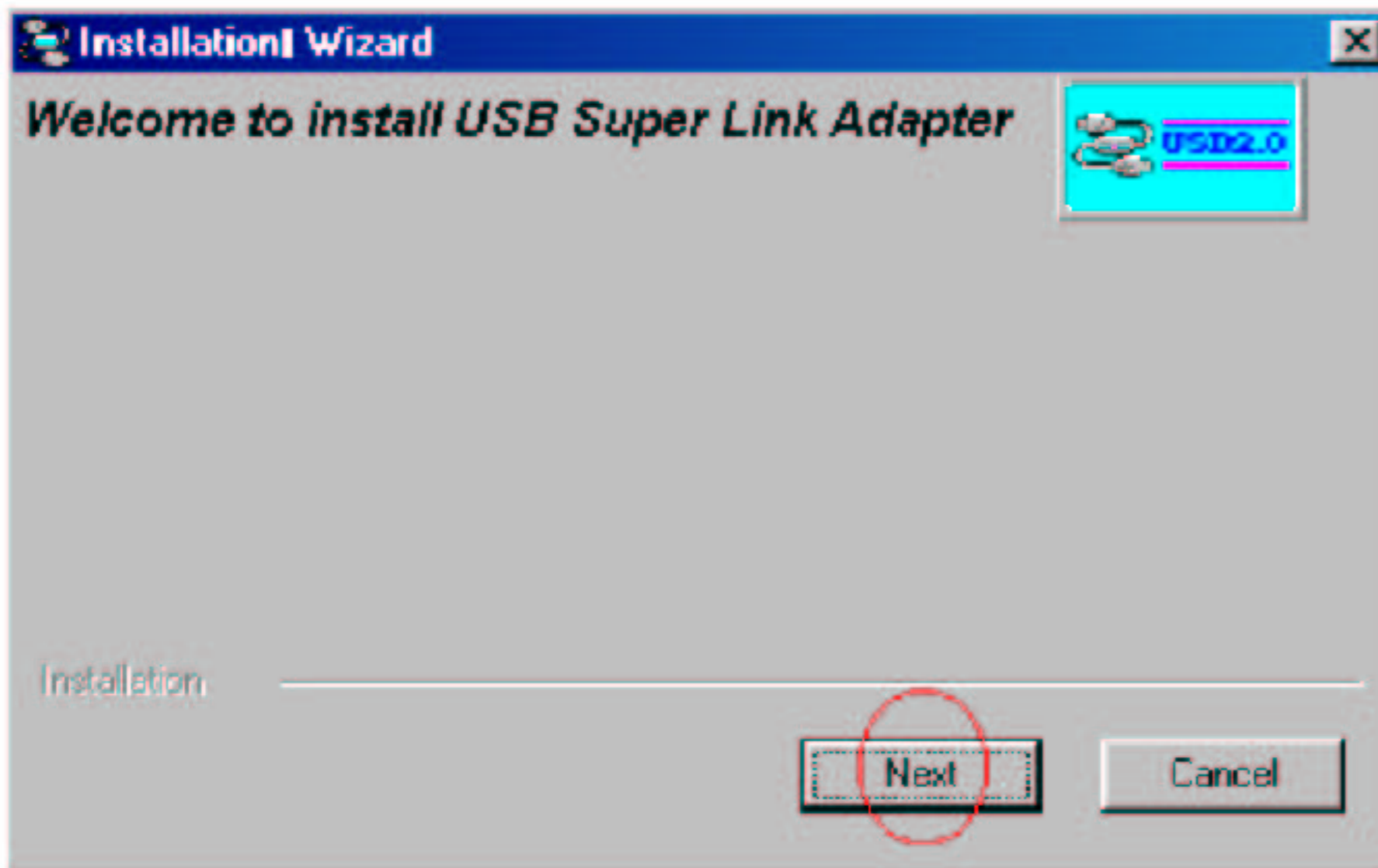
4. Plug up the ALi's VirtualNet USB Device.

(2) SuperLink Driver Installation for Windows 98/ME/2000

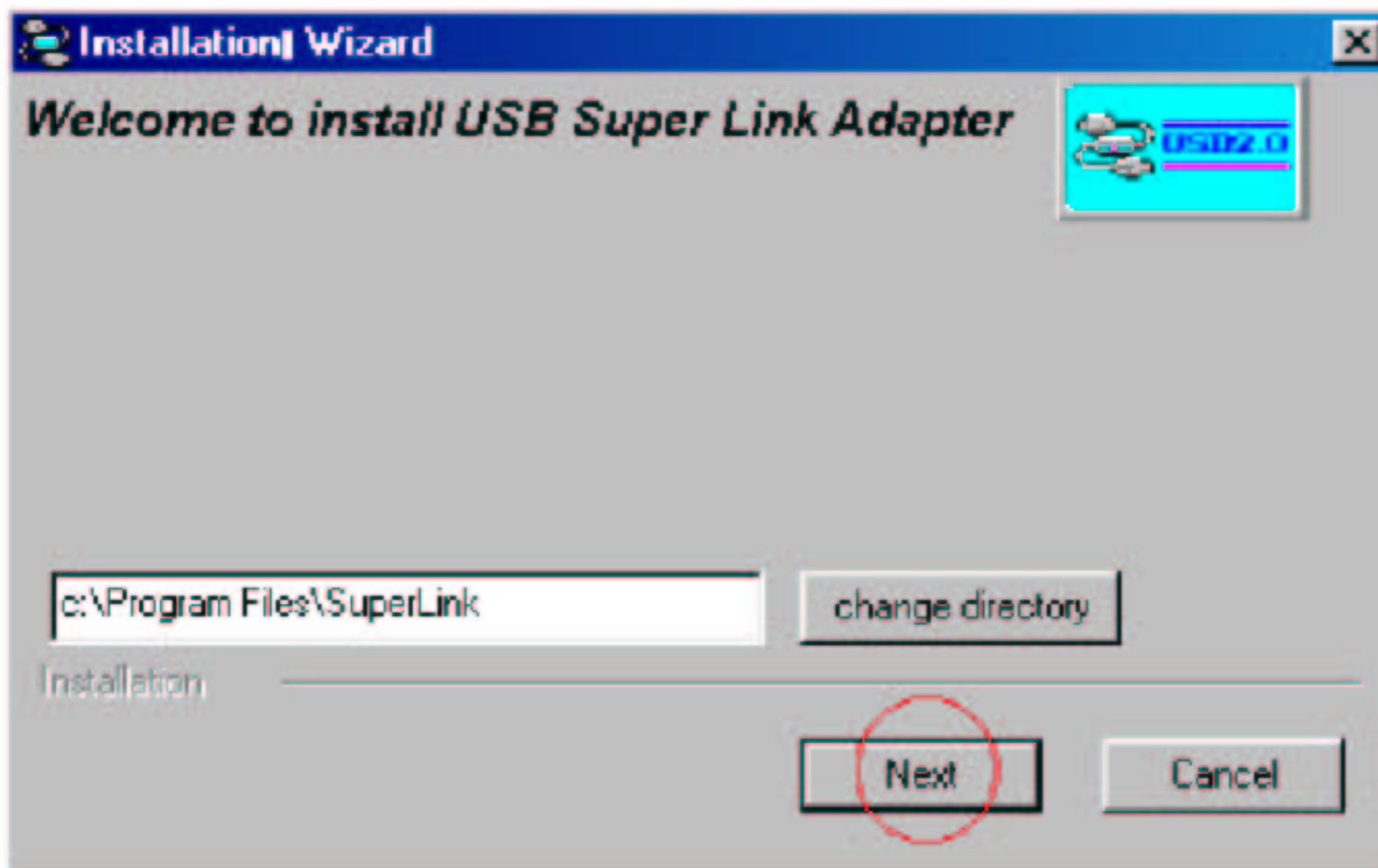
1. Select the software SuperLink_Install.exe and click it.



2. The Installation Wizard will install the USB Super Link driver. Click Next.



3. Installation Wizard AP will install in C:\Program Files\SuperLink. Click **Next** in the following window.



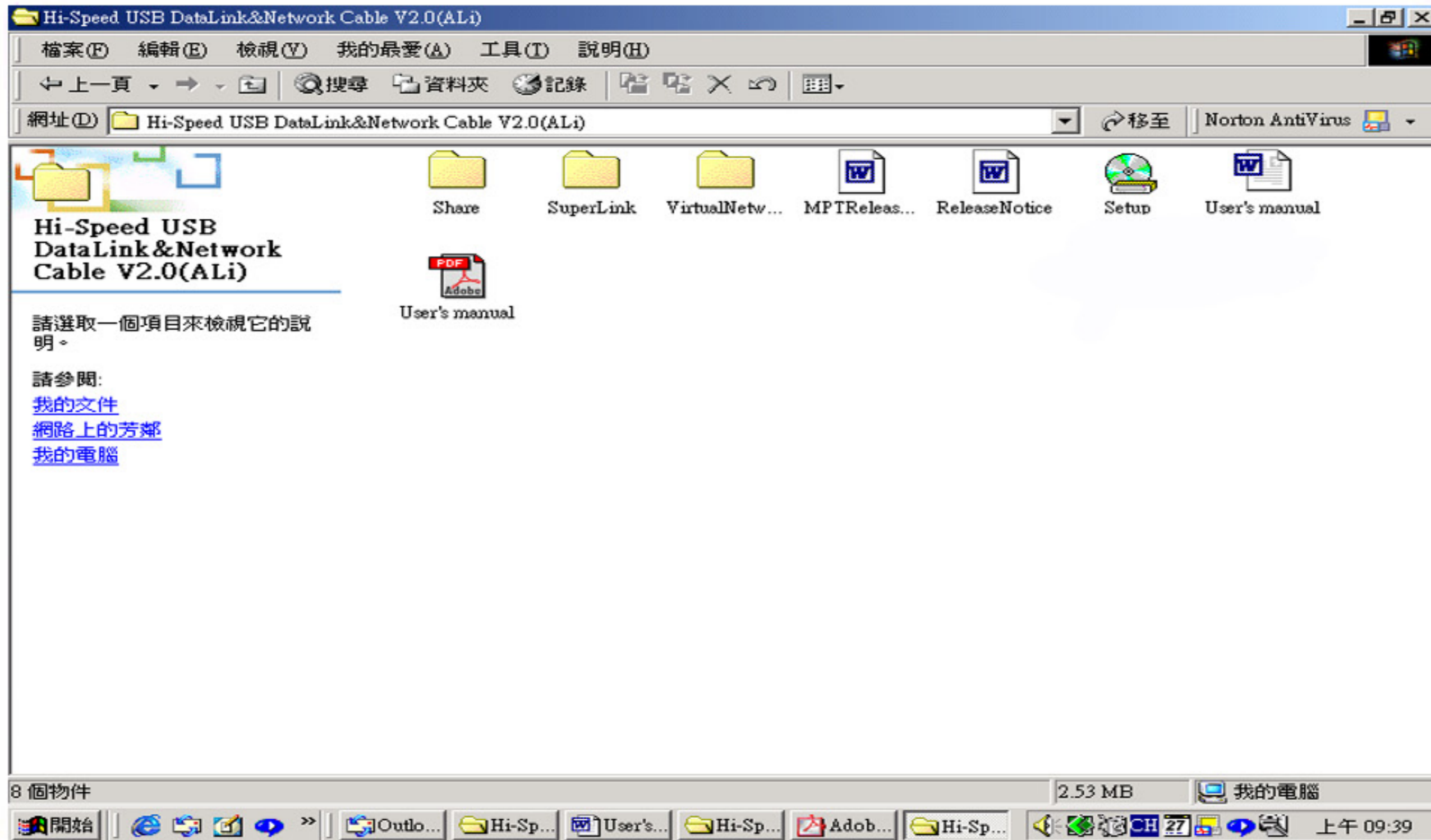
4. Click **Finish**.



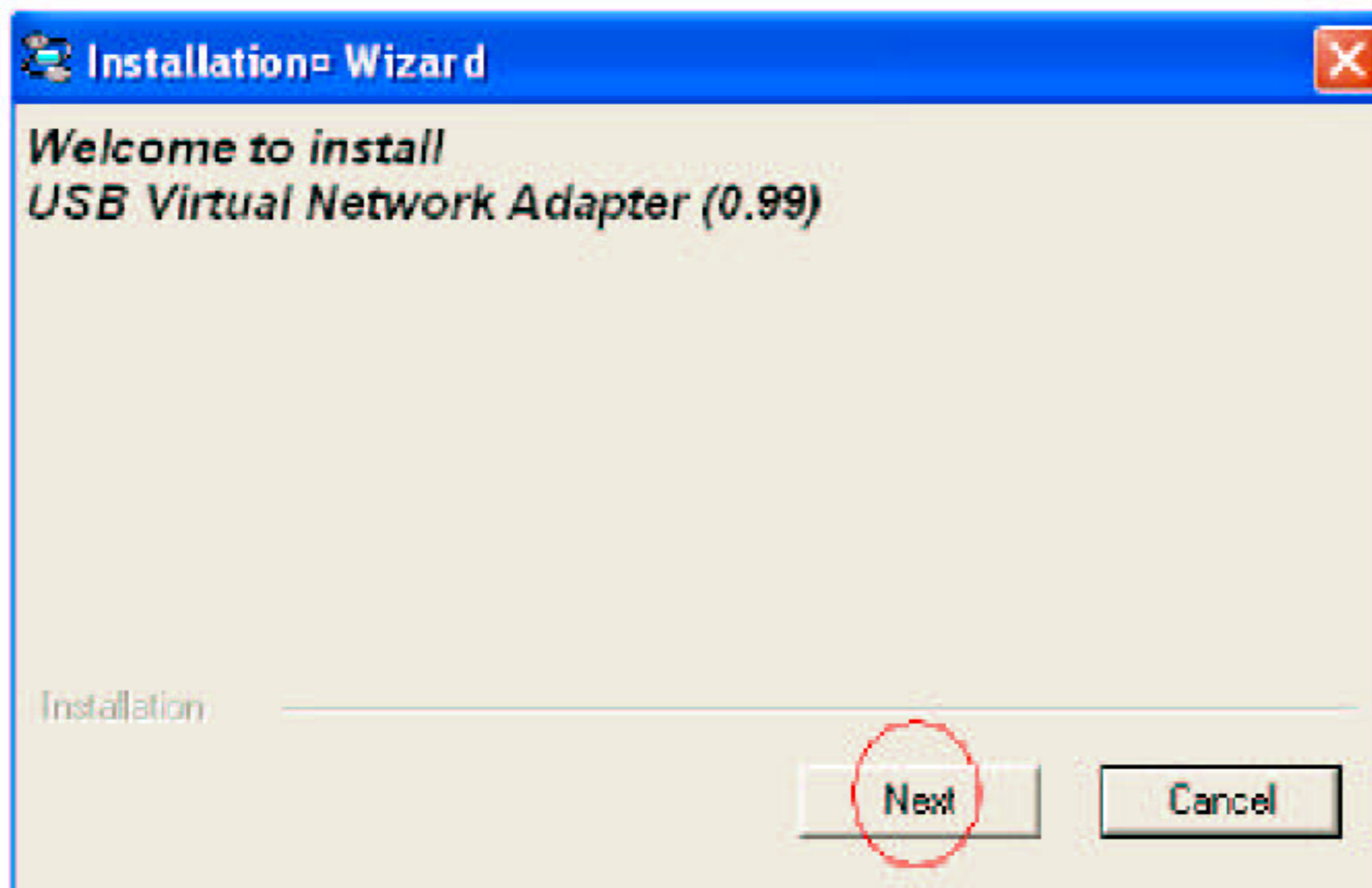
5. Plug up the SuperLink USB Device.

(3) VirtualNet Driver Installation for Windows XP

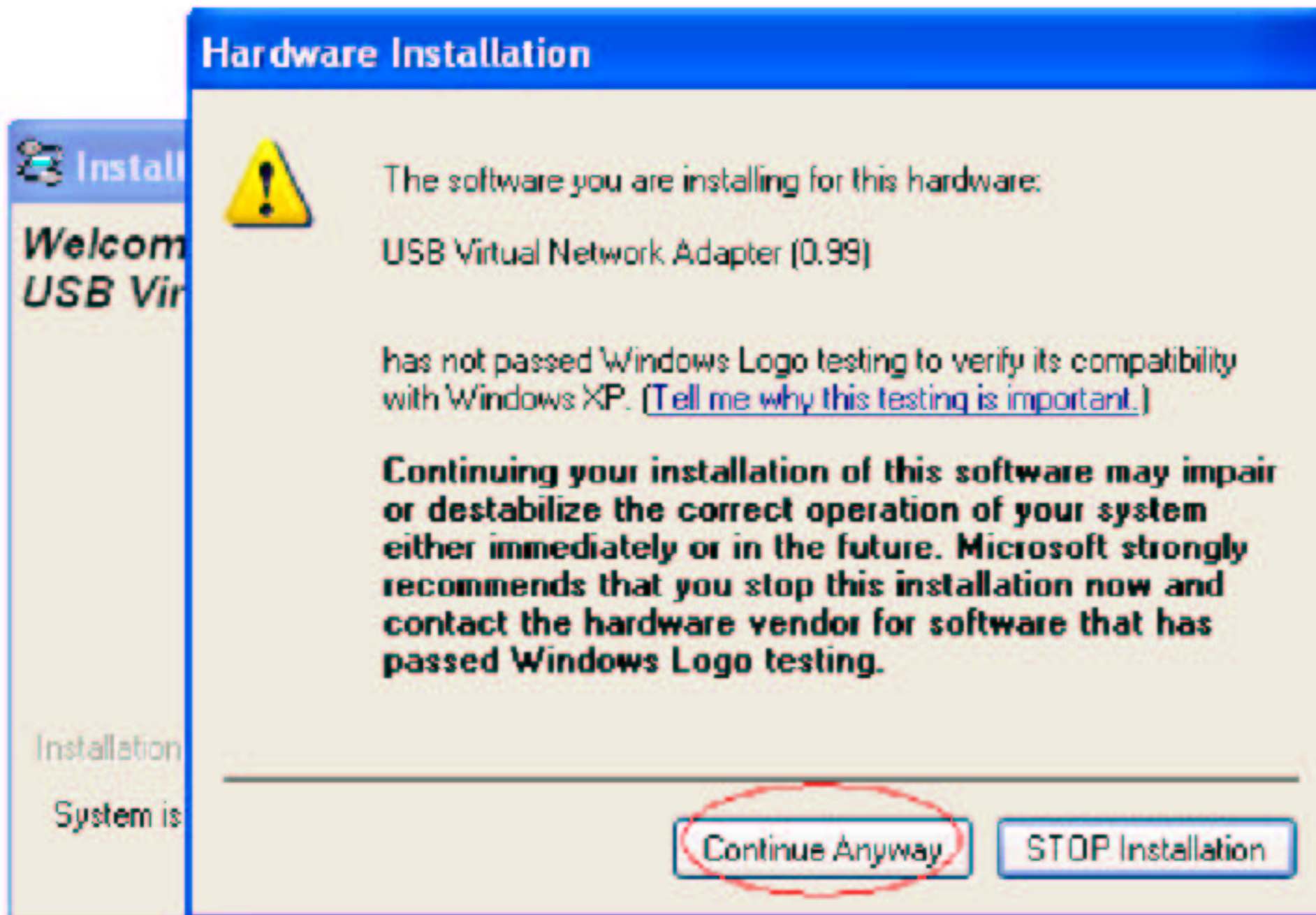
1. Select the software VirtualNet_Install.exe and click it.



2. The Installation Wizard will install the USB Virtual Network driver. Click Next.



3. Click Continue Anyway in the following window.

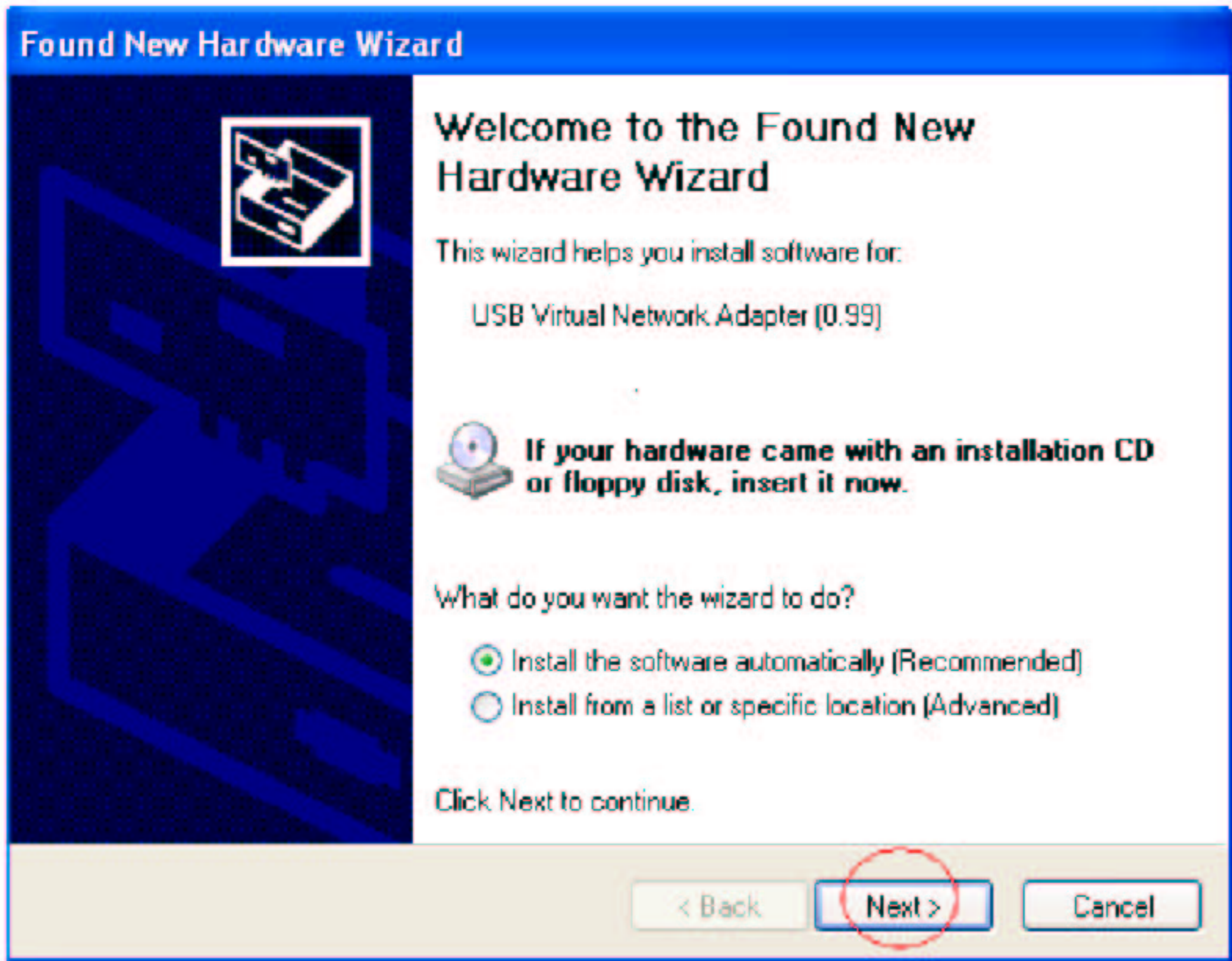


4. Click **Finish**.

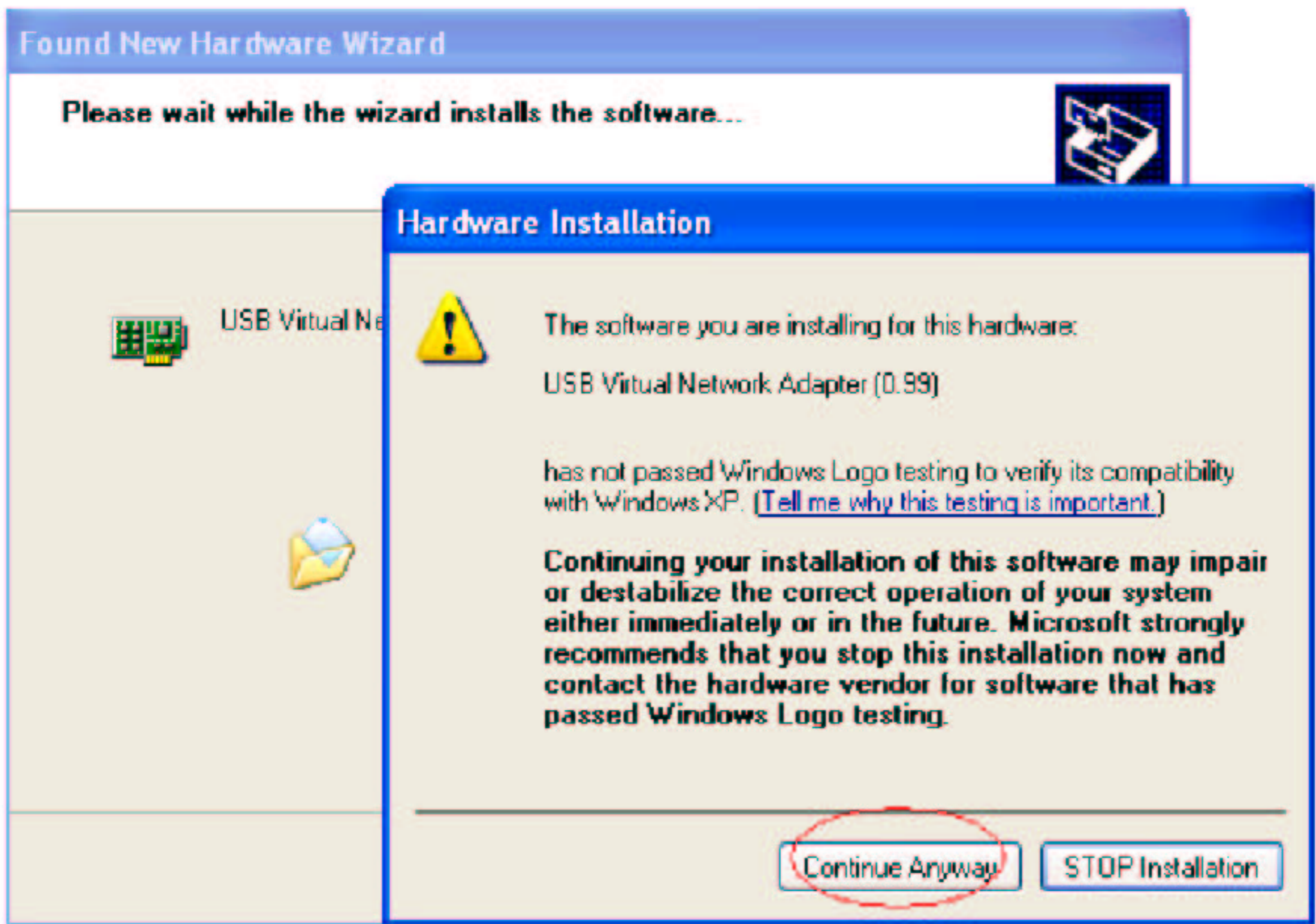


5. Plug up the ALi's Virtual Network USB Device.

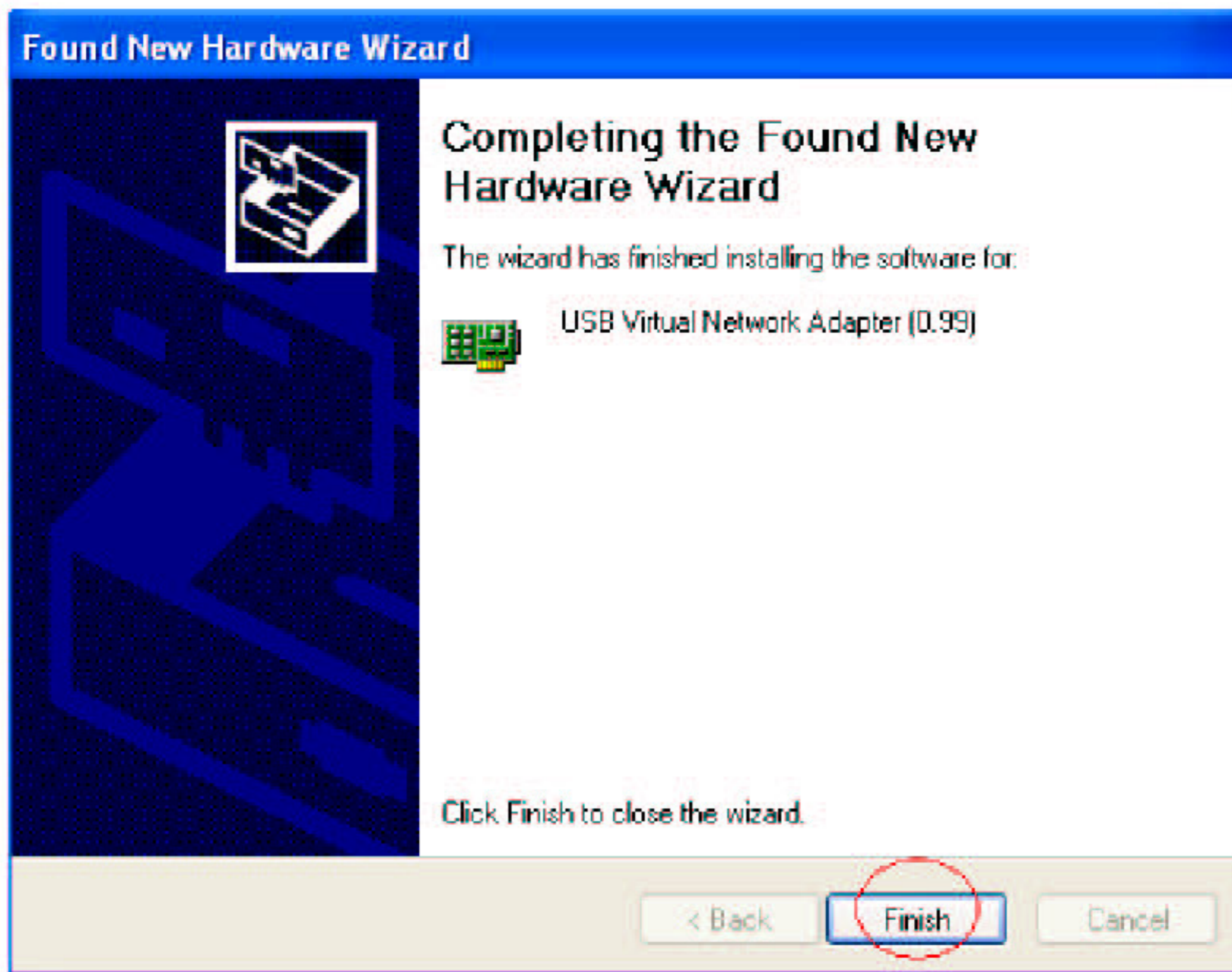
6. Windows will install the USB Virtual Network driver. When the Found New Hardware Wizard opens, select **Install the software automatically(Recommended)** and click **Next**.



7. Click **Continue Anyway** in the following window.

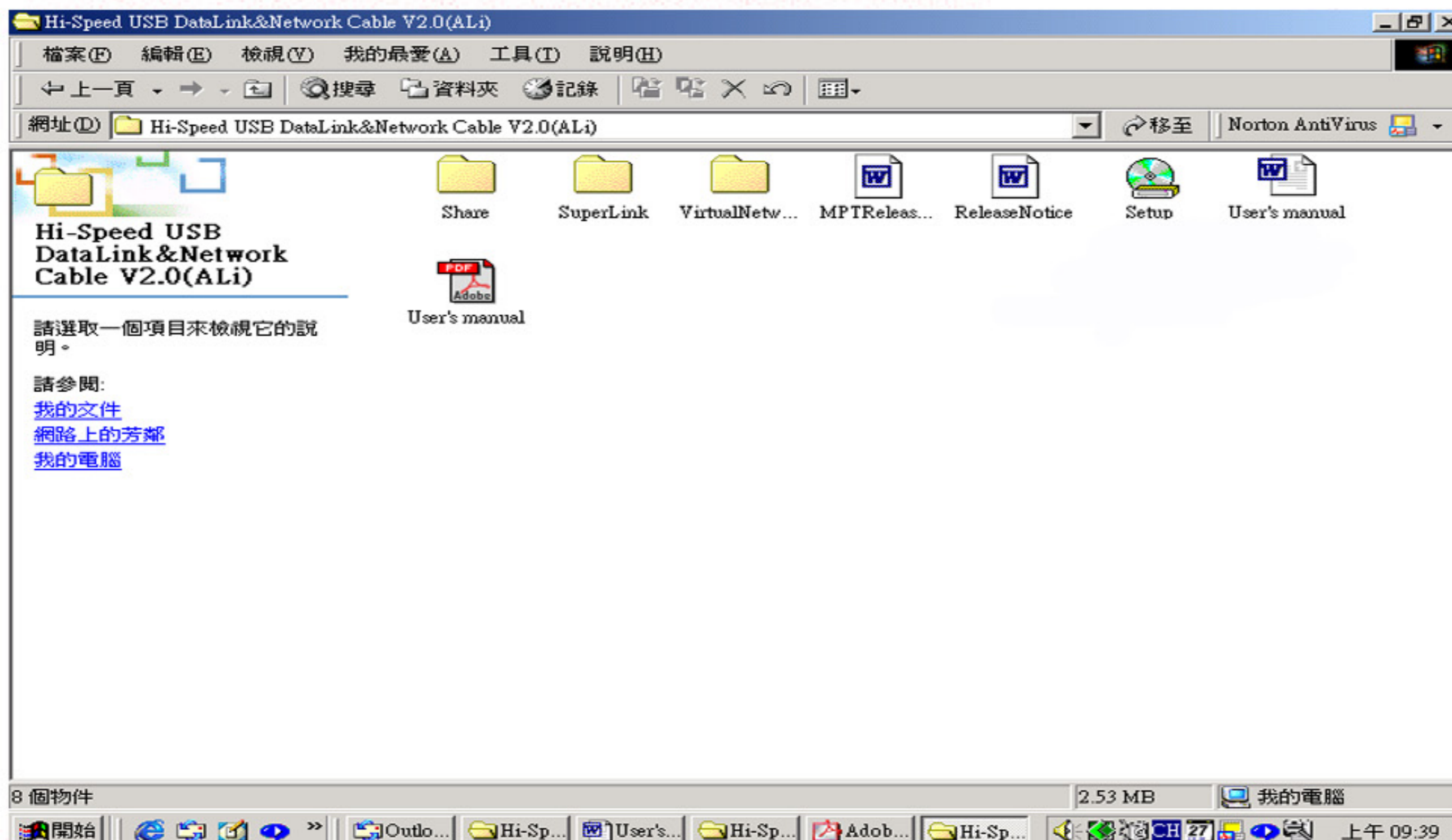


8. Click **Finish**.

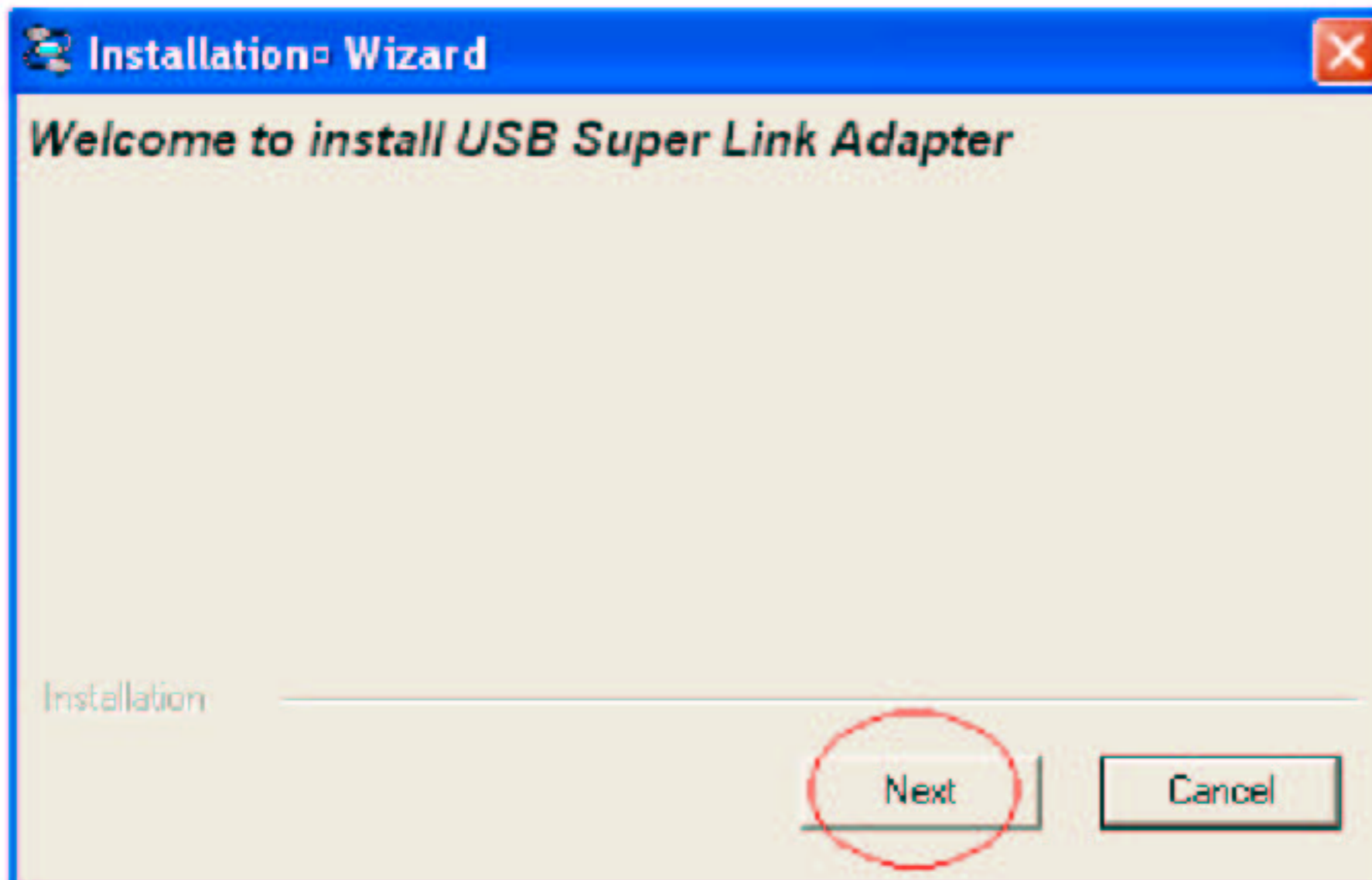


(4) SuperLink Driver Installation for Windows XP

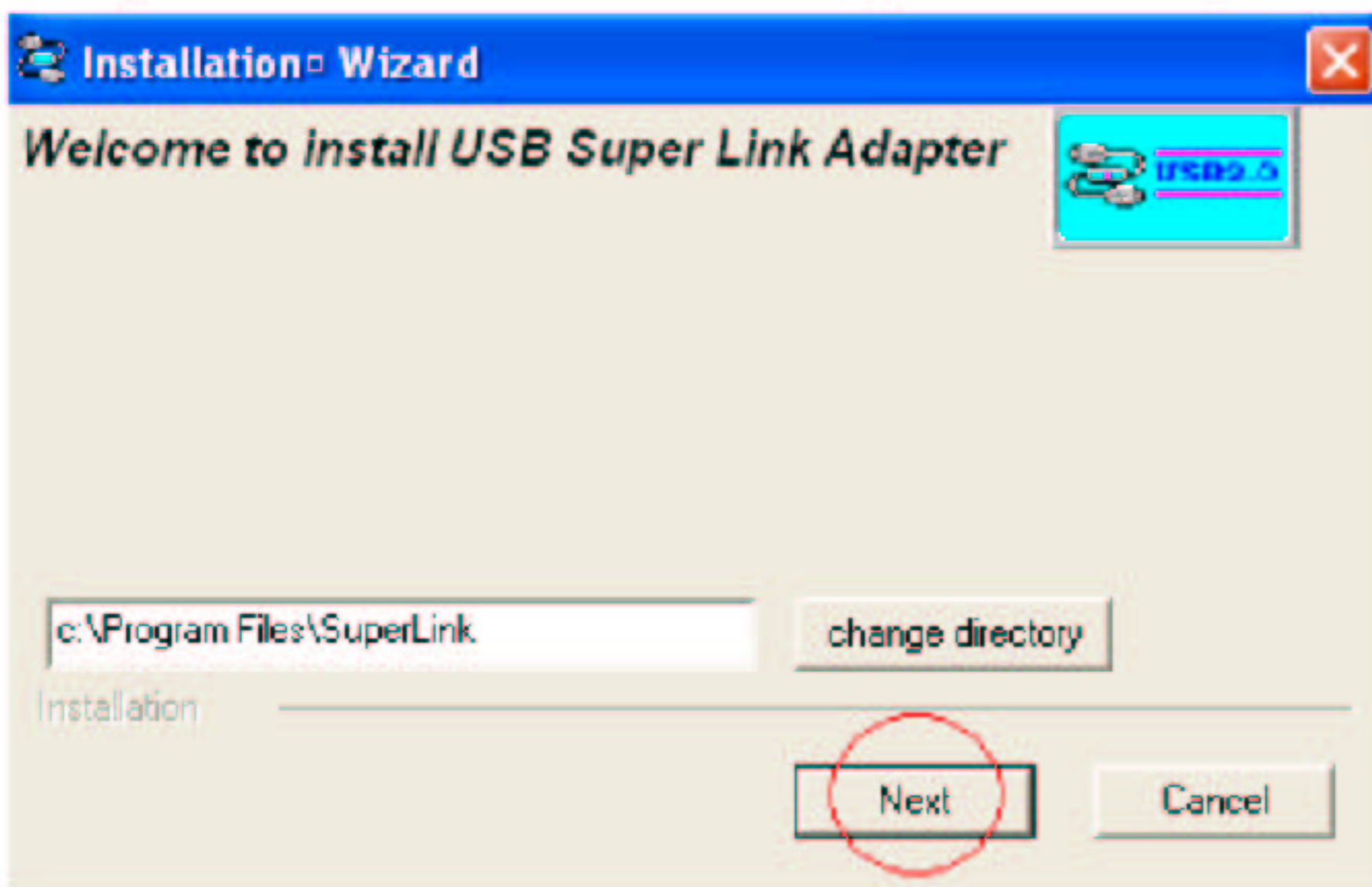
1. Select the software SuperLink_Install.exe and click it.



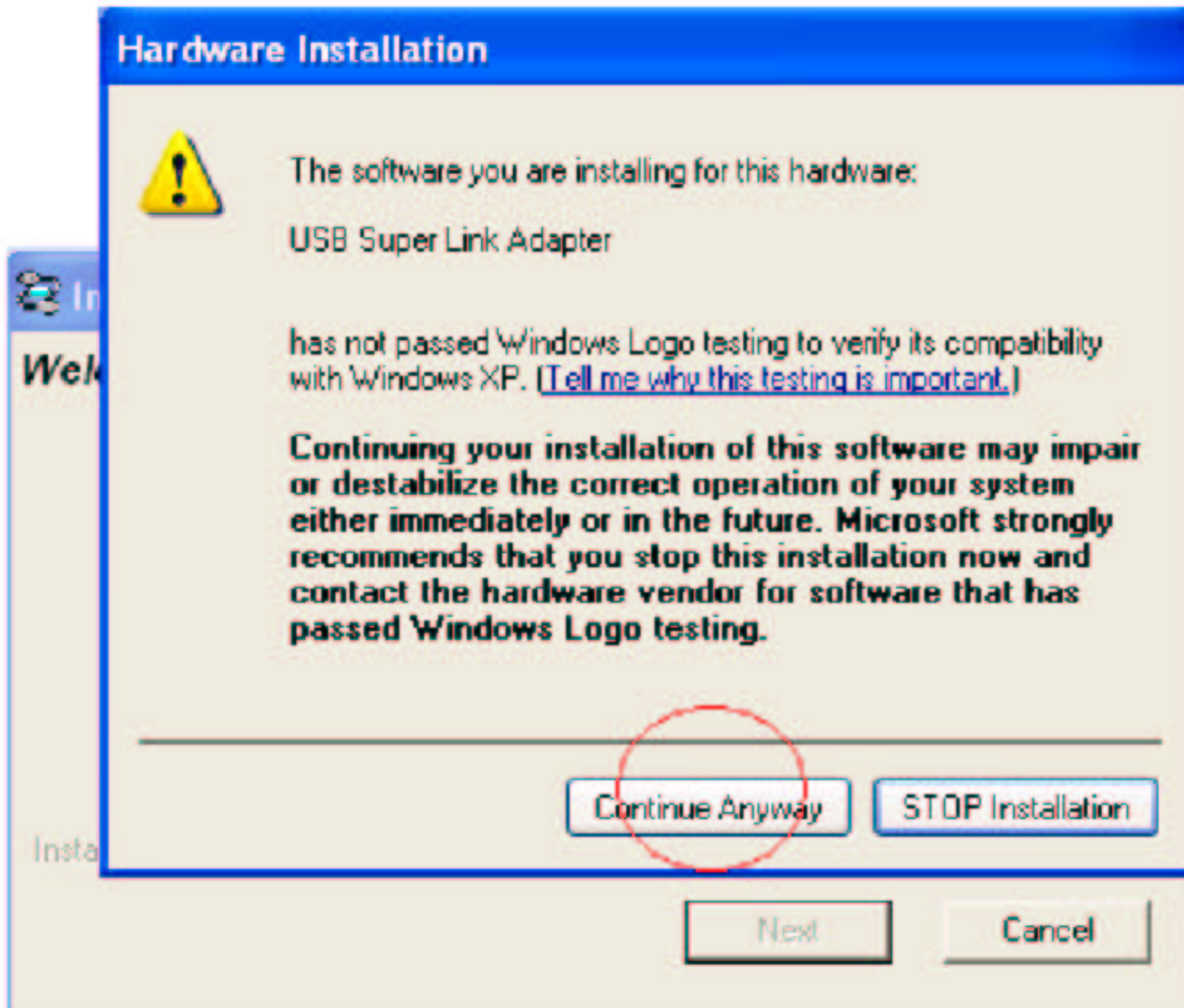
2. The Installation Wizard will install the USB Super Link driver. Click Next.



3. SuperLink AP will install in C:\Program Files\SuperLink. Click **Next** in the following window.



4. Click **Continue Anyway** in the following window.



5. Click **Finish**.

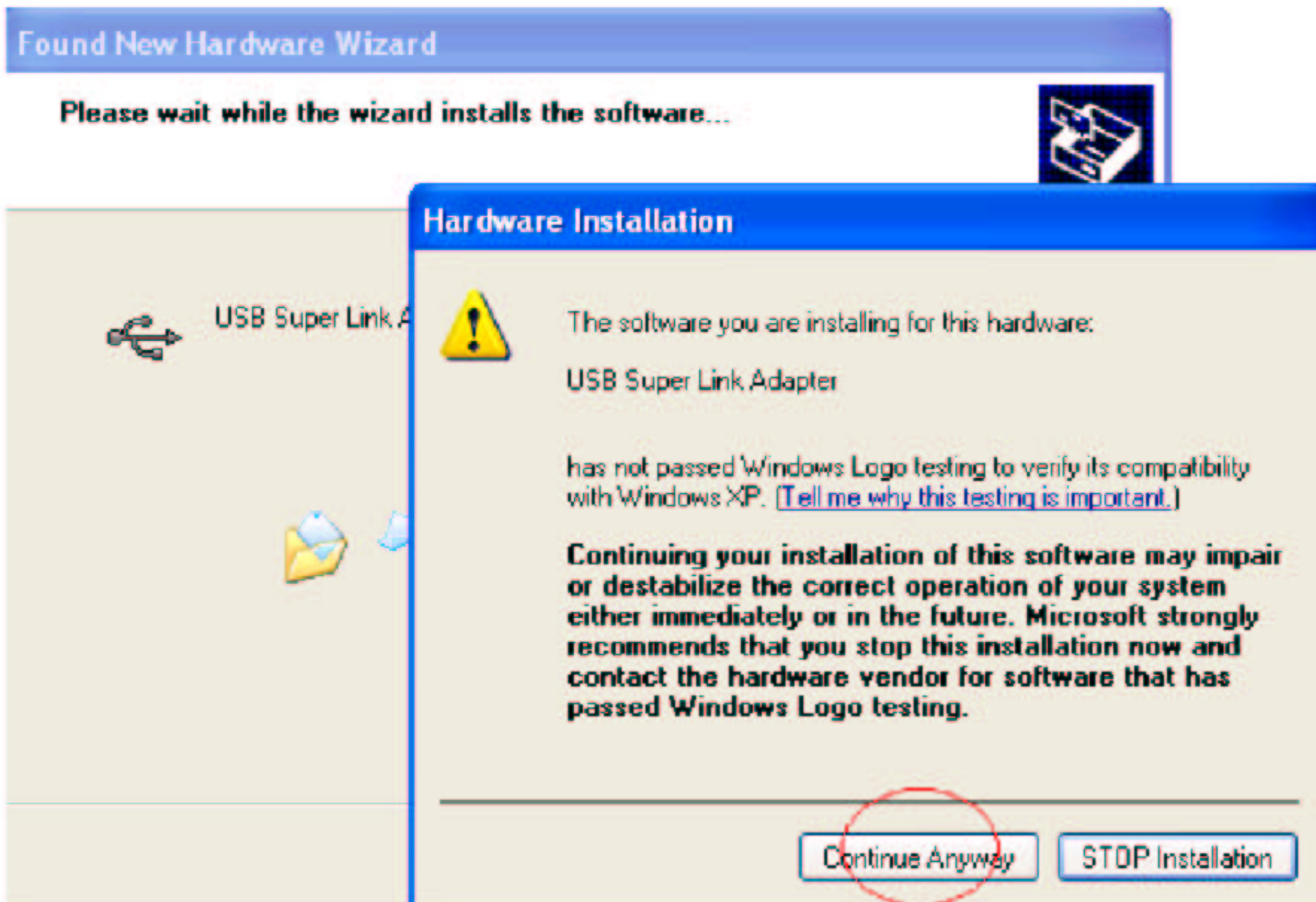


6. Plug up the **ALi's SuperLink USB Device**.

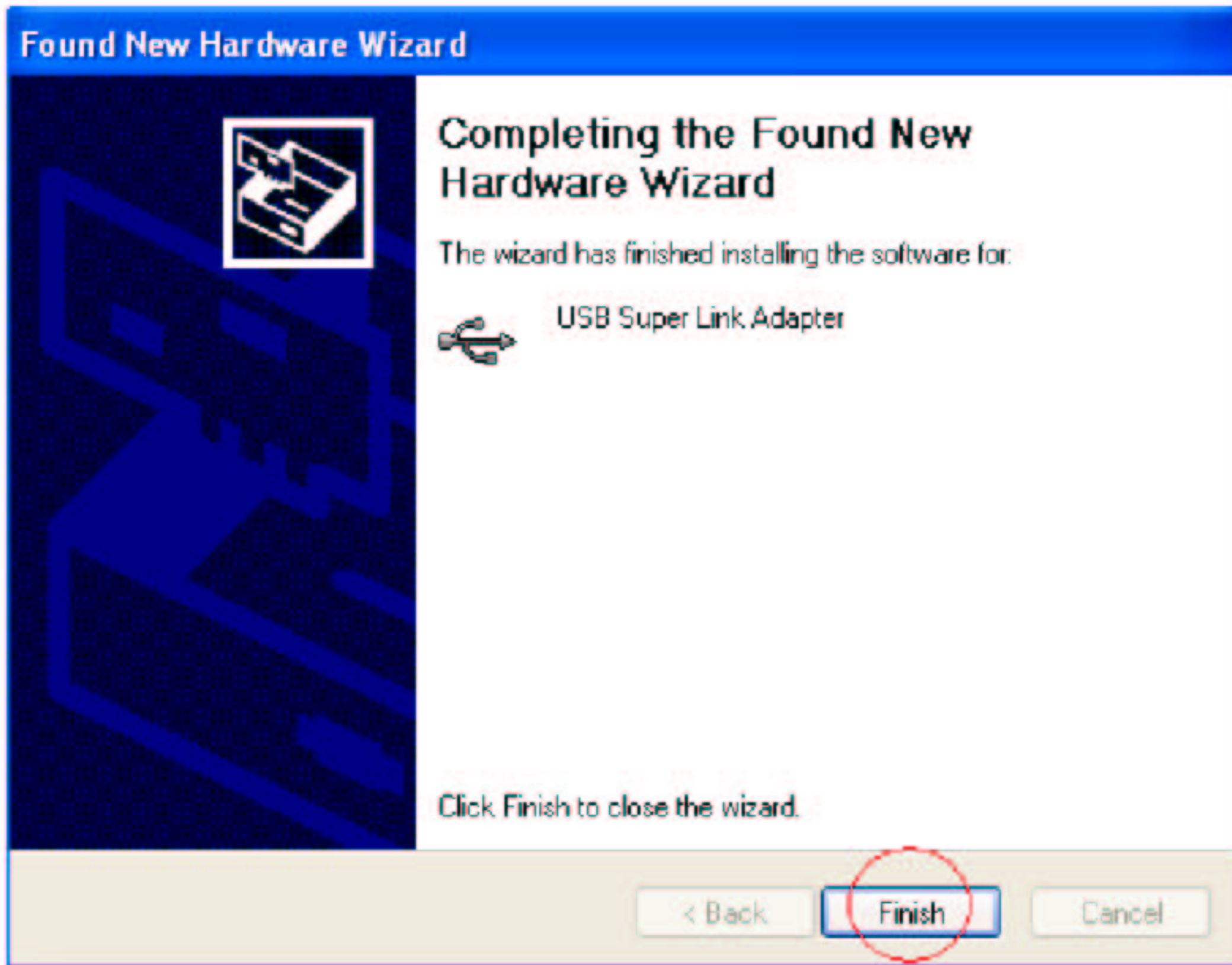
7. Windows will install the USB2.0 **SuperLink** driver. When the Found New Hardware Wizard opens, select **Install the software automatically(Recommended)** and click **Next**.



8. Click **Continue Anyway** in the following window.



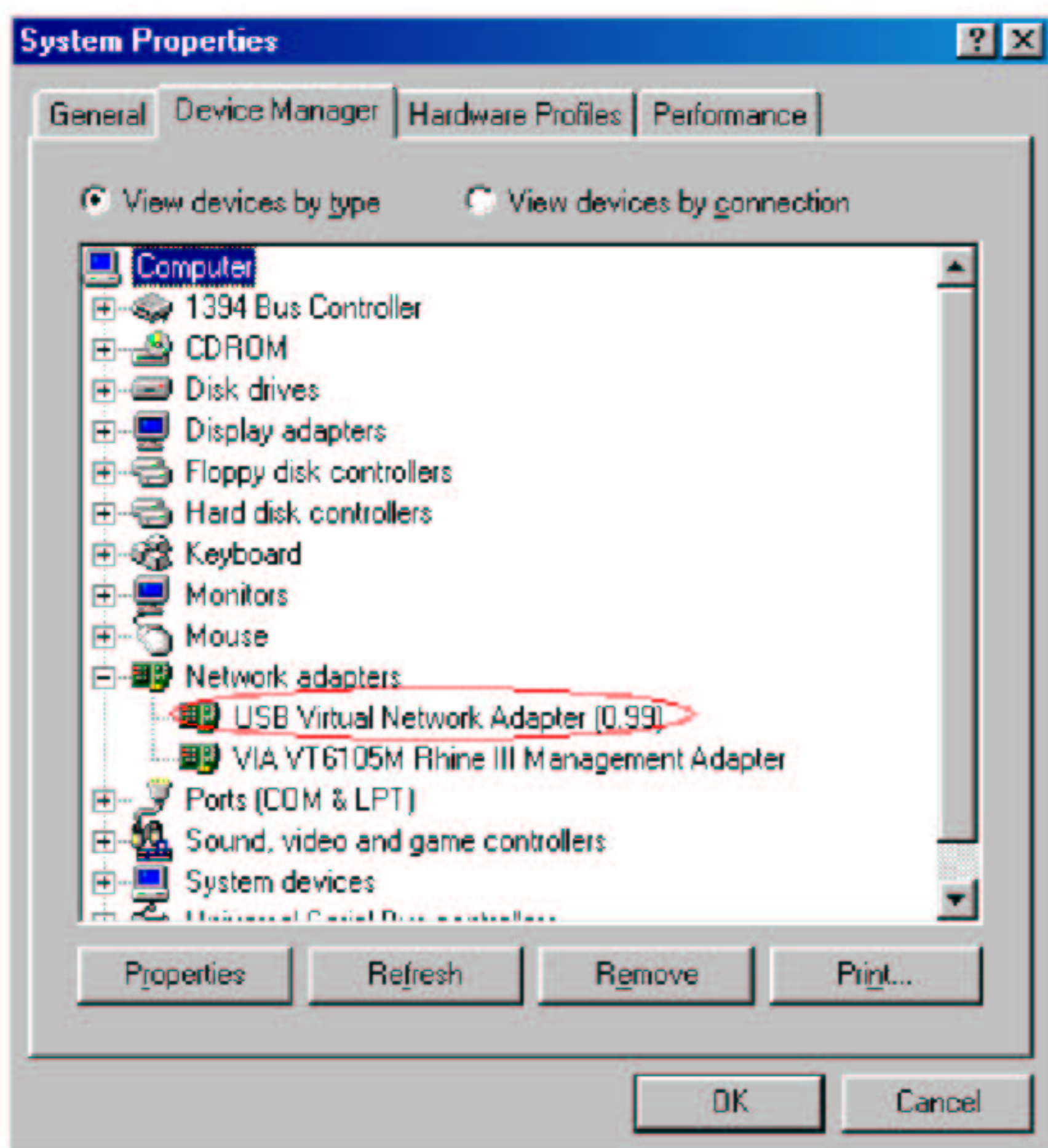
9. Click **Finish**.



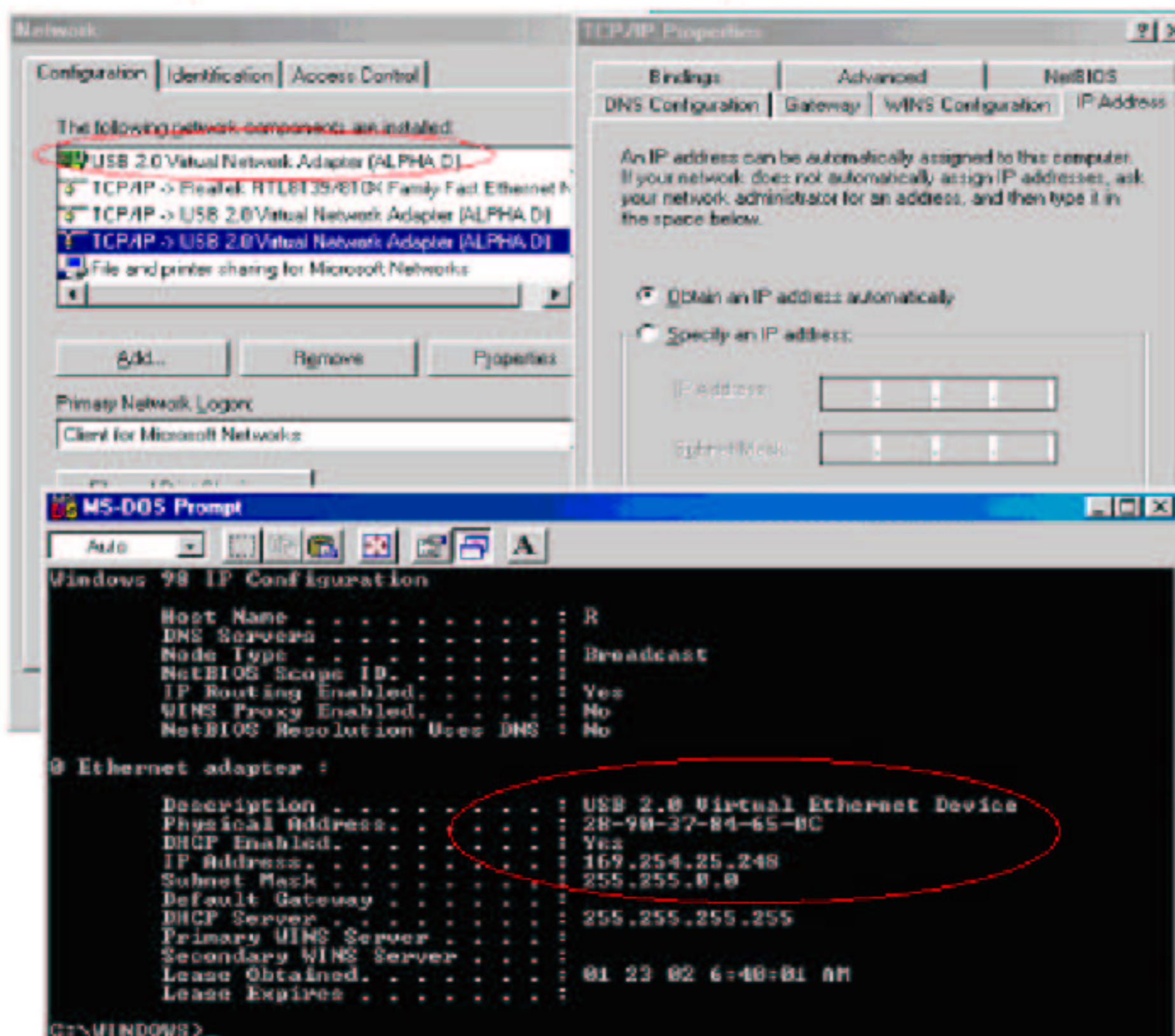
(5) Verify VirtualNet Driver Installation for Windows 98SE/ME

Use these instructions to verify successful driver installation on your system.

- 1 To verify that the driver is installed; Right-click on the **My Computer** desktop icon, select **Properties**, and then click the **Device Manager** tab. Click on the “+” (plus) sign next to **Network adapters** to expand the list.



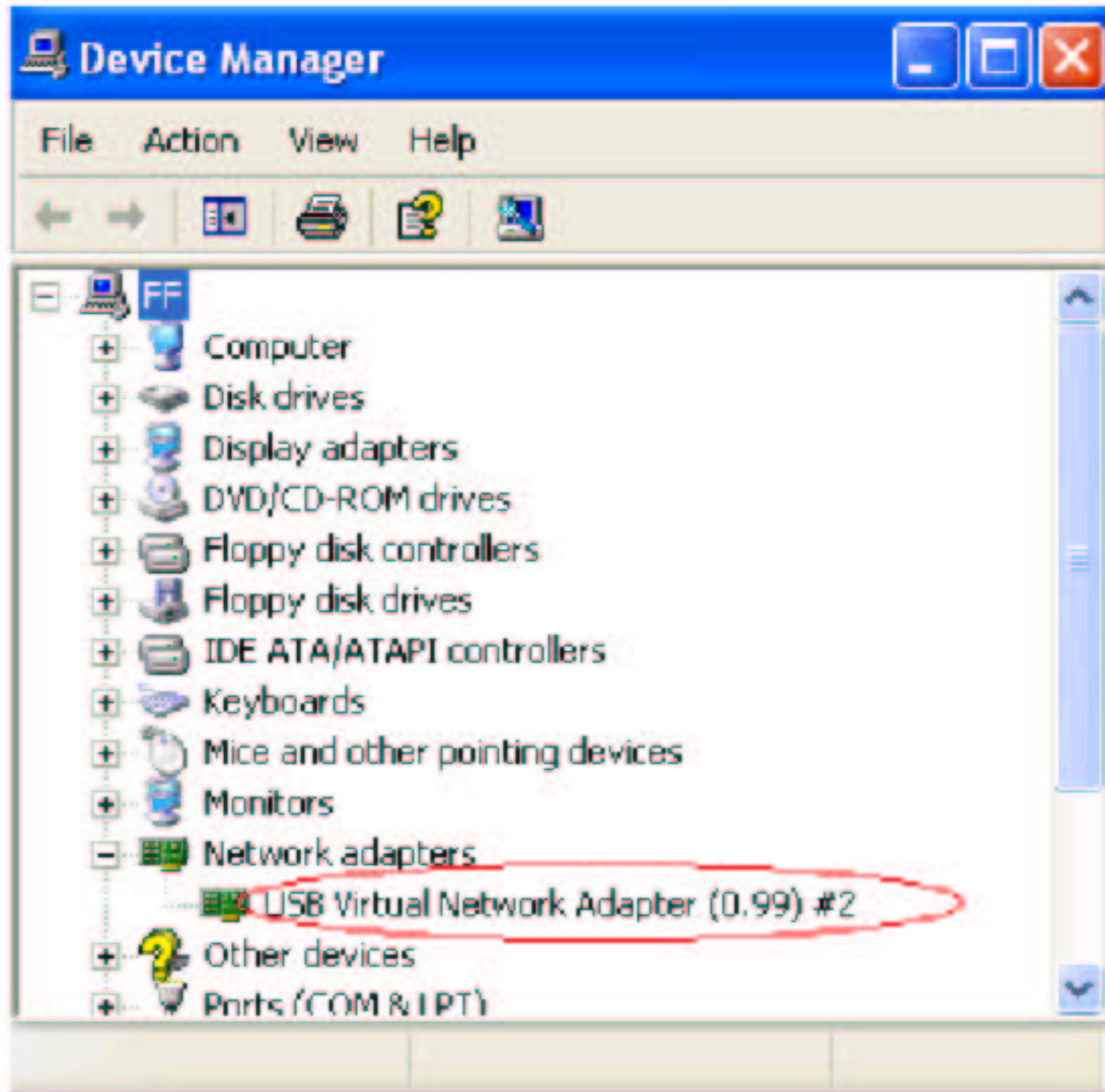
2 To verify that the IP address is auto-distribution; Right-click on the **Network Neighborhood** desktop icon, select **Properties**, and then click the **Configuration** tab. Select the target then click **Properties** next to **TCP/IP Properties** and then click the **IP Address**.



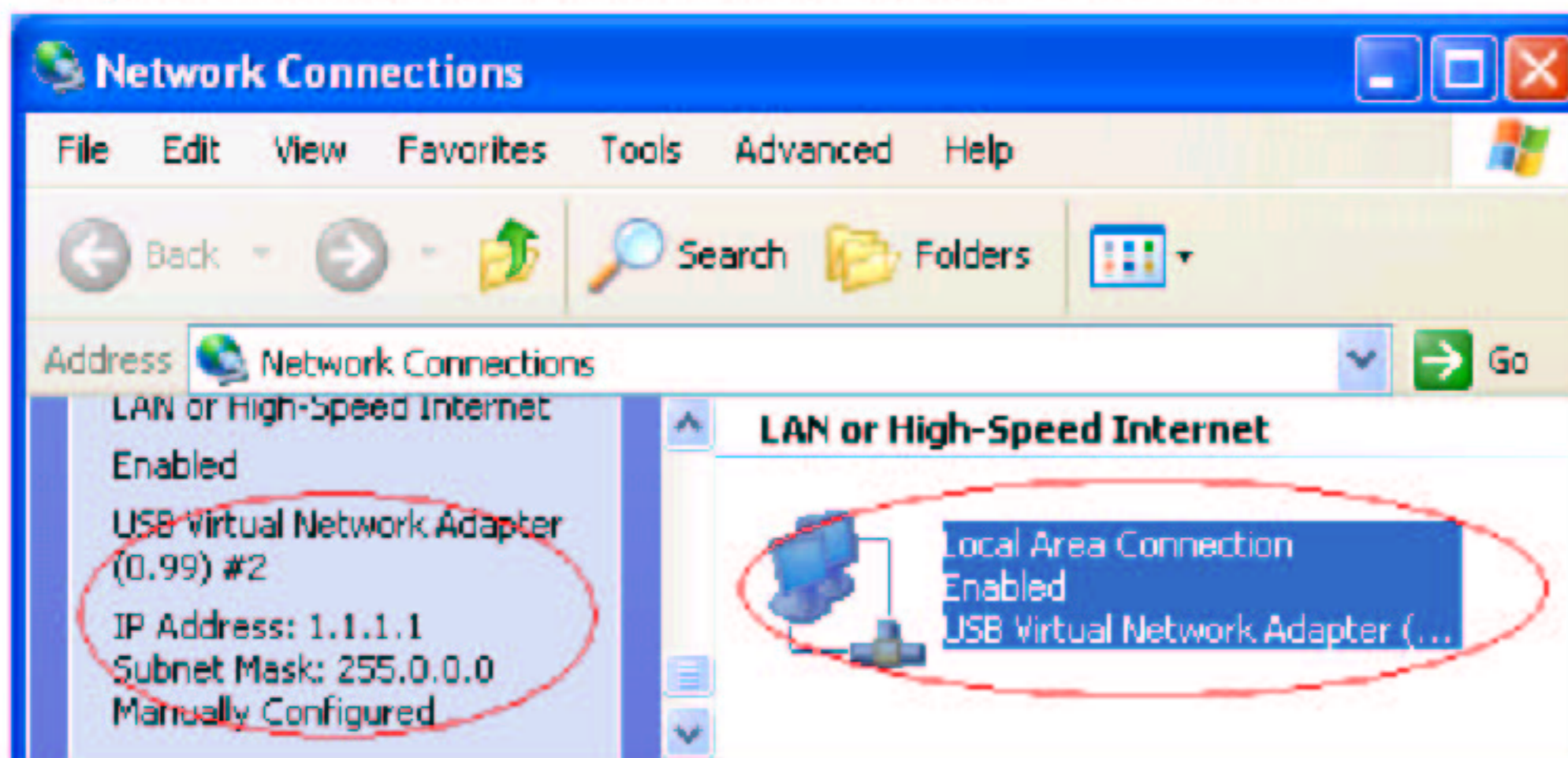
(6) Verify VirtualNet Driver Installation for Windows 2000/XP

Use these instructions to verify successful driver installation on your system.

1 To verify that the driver is installed; Right-click on the **My Computer** desktop icon, select **Properties**, then click the **Hardware** tab and click **Device Manager**. Click on the “+” (plus) sign next to **Network adapters** to expand the list.



2 To verify that the driver is installed; Right-click on the **My Network places** desktop icon, select **Properties**, and then click the **Local Area Connection**.



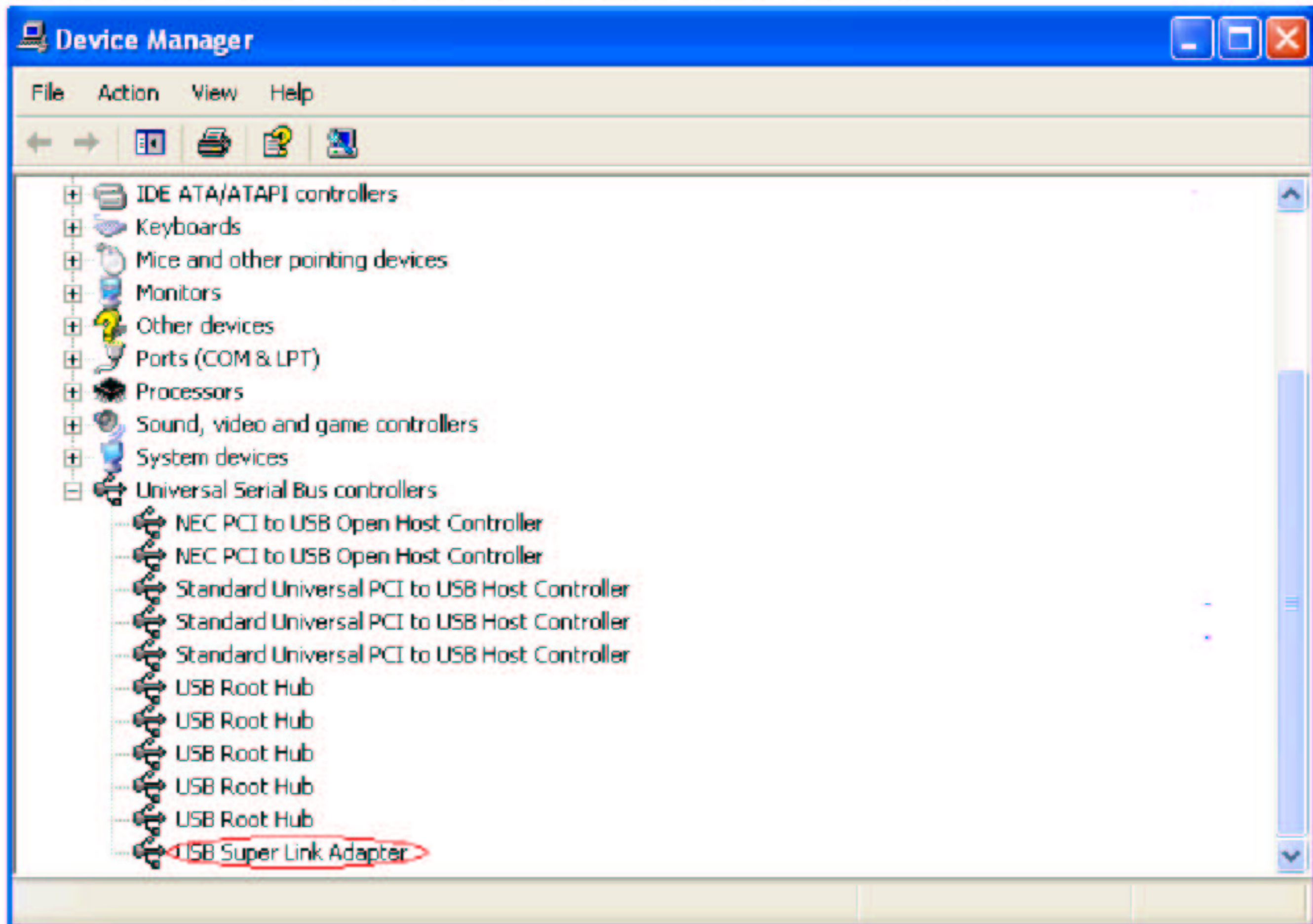
3 Click the windows icon of toolbars.



(7) Verify SuperLink Driver Installation for Windows 98/ME/2000/XP

Use these instructions to verify successful driver installation on your system.

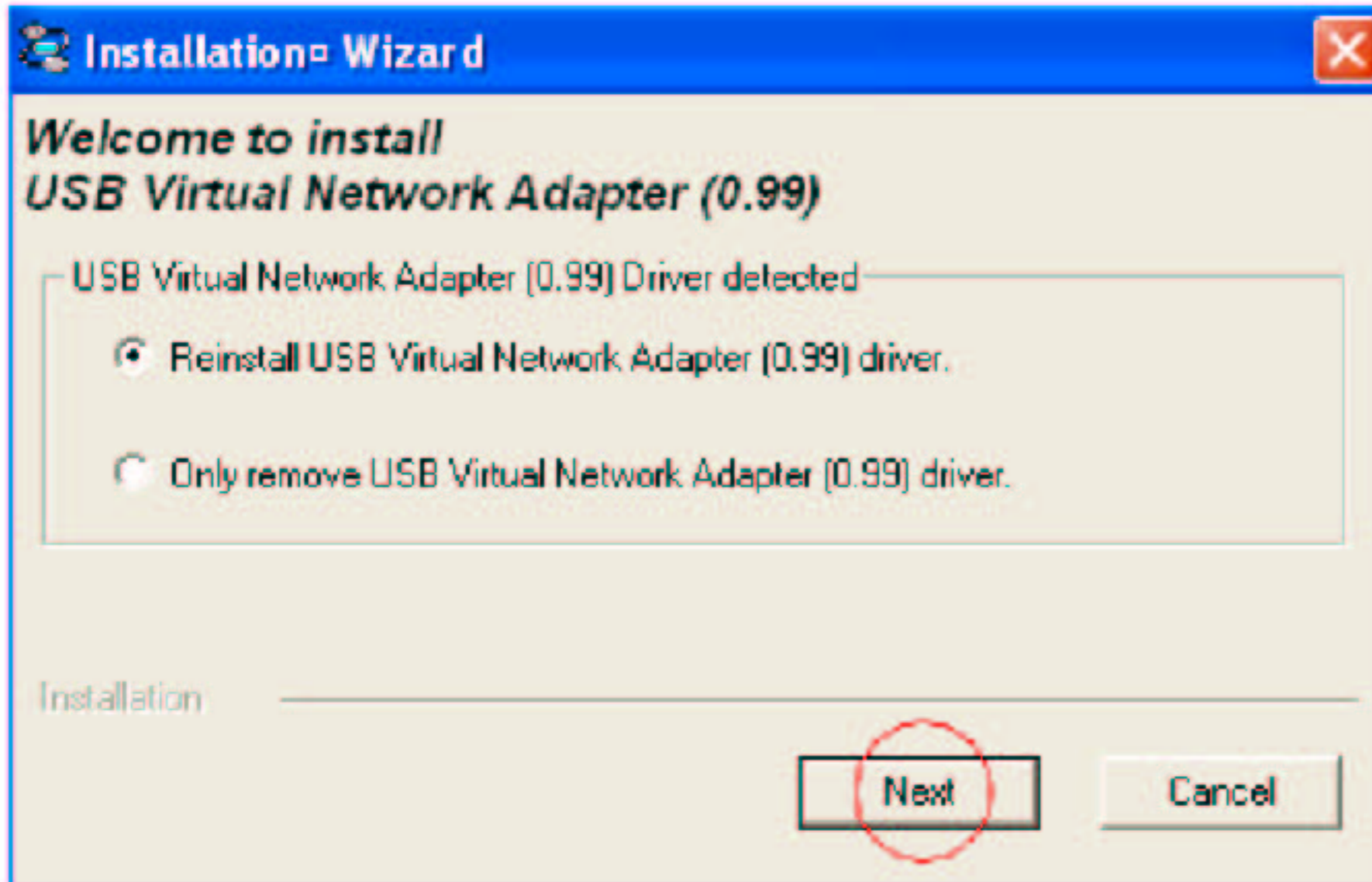
To verify that the driver is installed; Right-click on the **My Computer** desktop icon, select **Properties**, then click the **Hardware** tab and click **Device Manager**. Click on the “+” (plus) sign next to **Universal Serial Bus controllers** to expand the list.



(8) Upgrade VirtualNet Driver Installation for Windows

98/ME/2000/XP

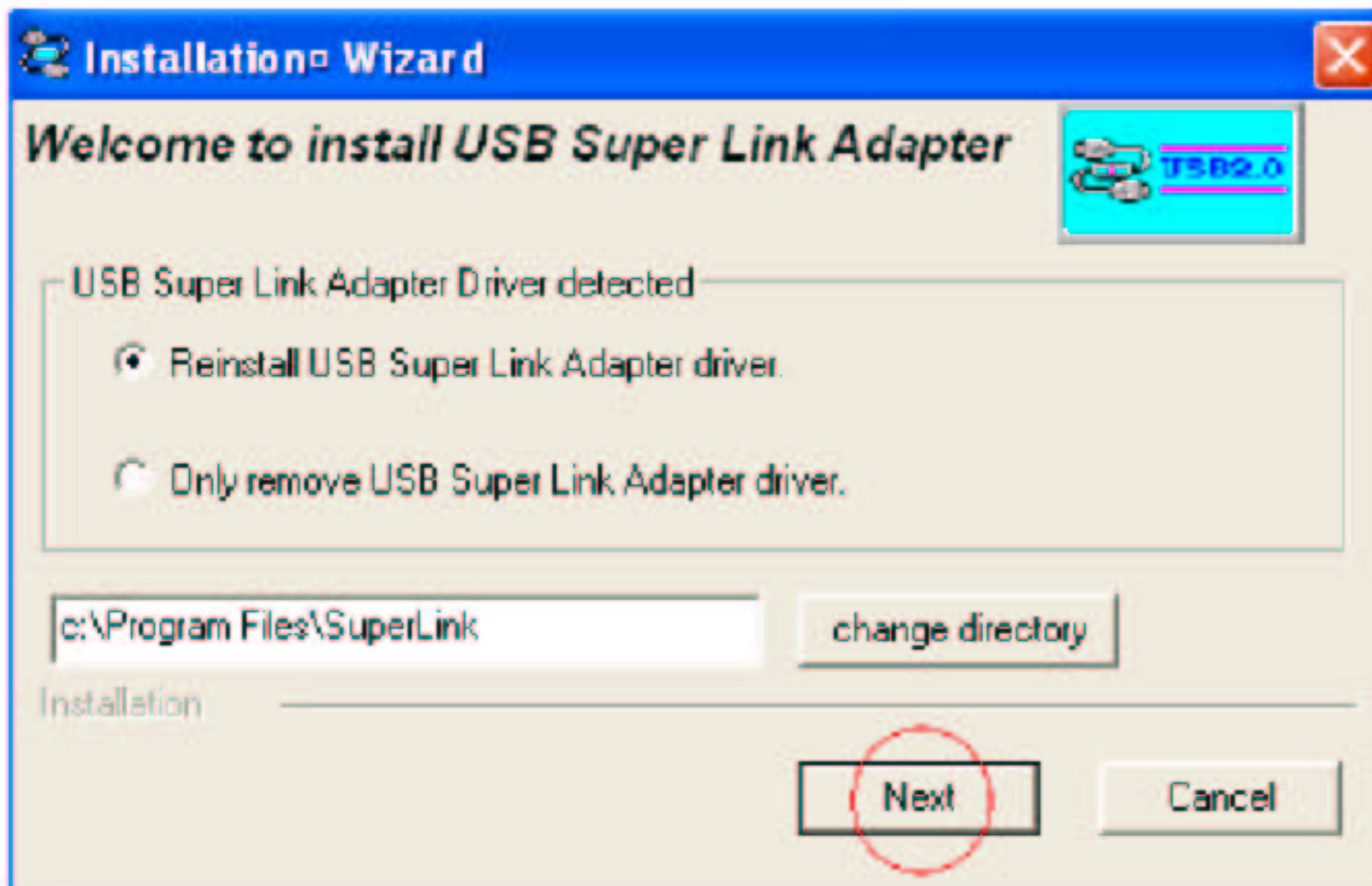
1. Select the software **VirtualNet_Install.exe** and click it.
2. Select the **Reinstall USB Virtual Network Adapter(Version)** driver and click **Next**.



(9) Upgrade SuperLink Driver Installation for Windows

98/ME/2000/XP

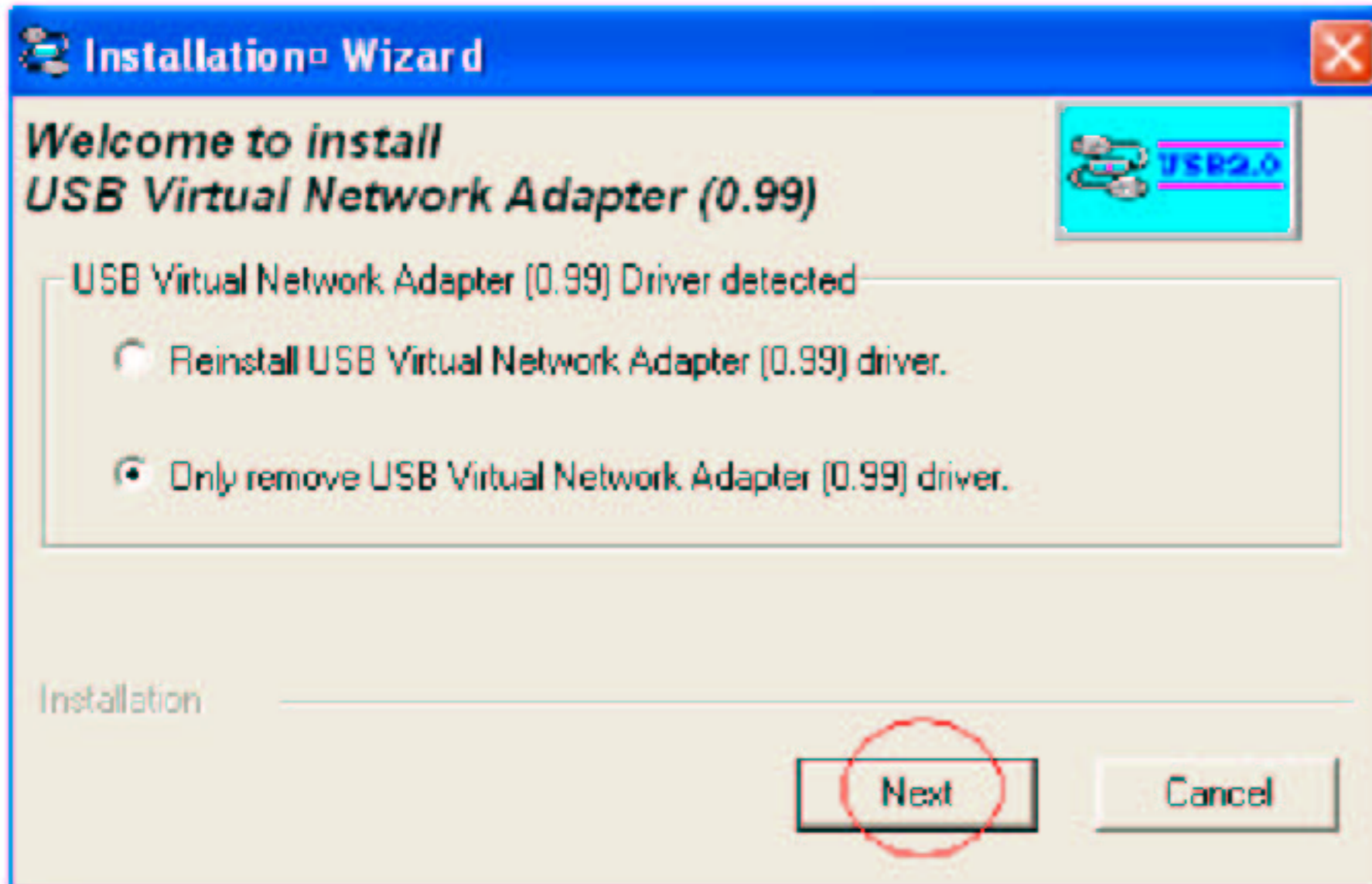
1. Select the software **SuperLink_Install.exe** and click it.
2. Select the **Reinstall USB Super Link Adapter driver** and click **Next**.



(10) Remove VirtualNet Driver Installation for Windows

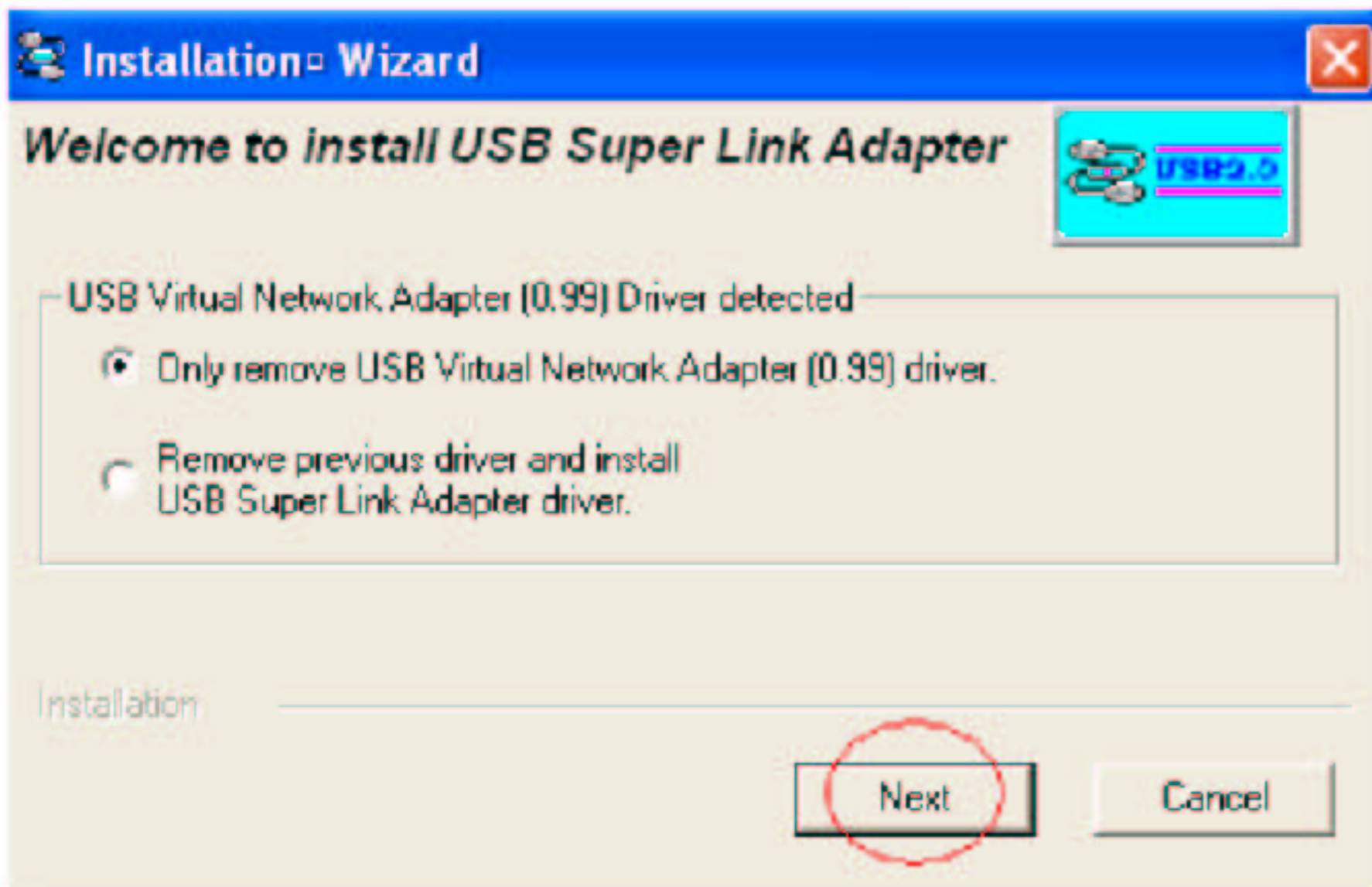
98/ME/2000/XP

1. Select the software **VirtualNet_Install.exe** and click it.
2. Select the **Only remove USB Virtual Network Adapter(Version) driver** and click **Next**.



OR

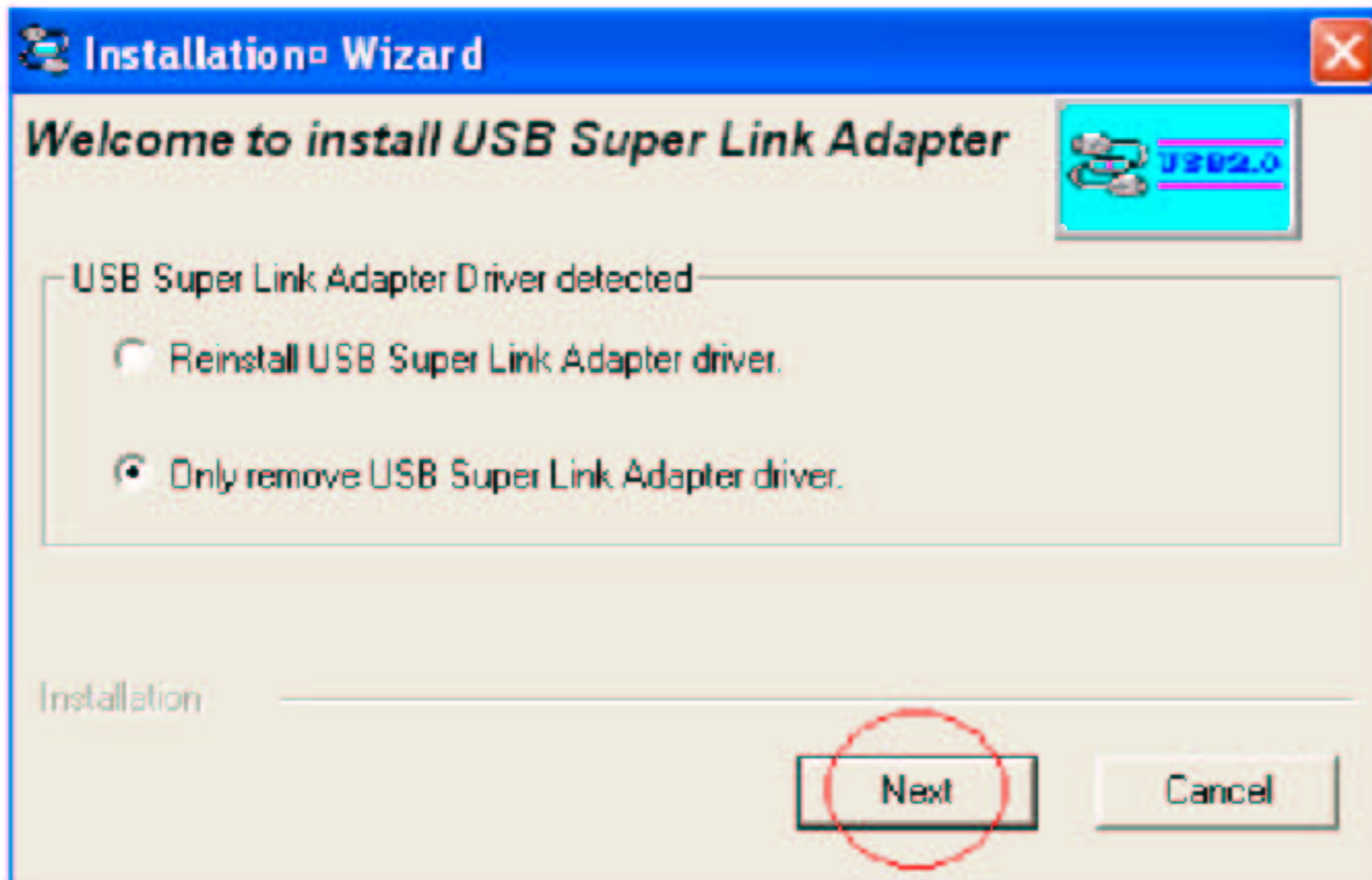
1. Select the software **SuperLink_Install.exe** and click it.
2. Select the **Only remove USB Virtual Network Adapter(Version) driver** and click **Next**.



(11) Remove SuperLink Driver Installation for Windows

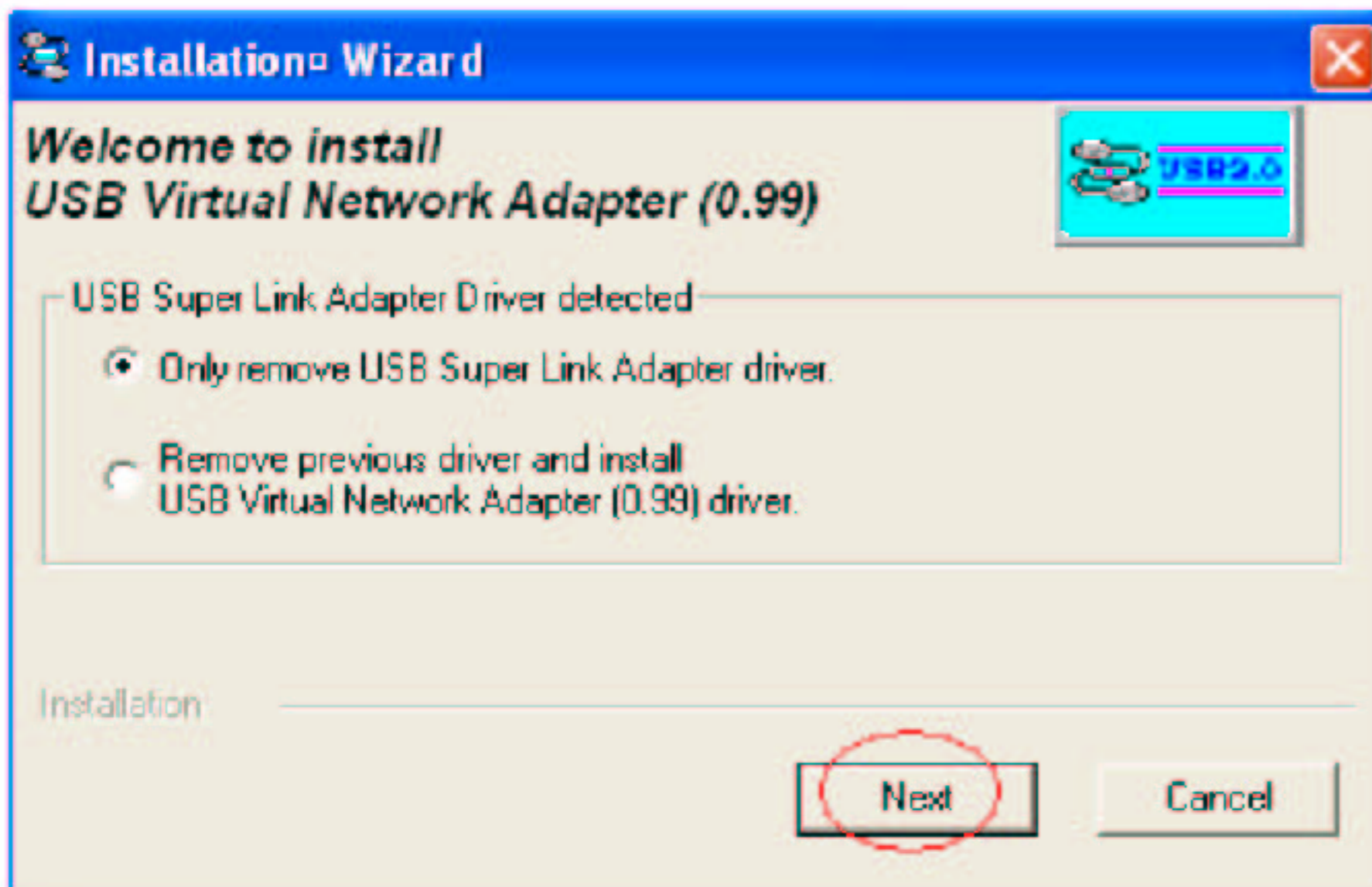
98/ME/2000/XP

1. Select the software **SuperLink_Install.exe** and click it.
2. Select the **Only remove USB Super Link Adapter driver** and click **Next**.



OR

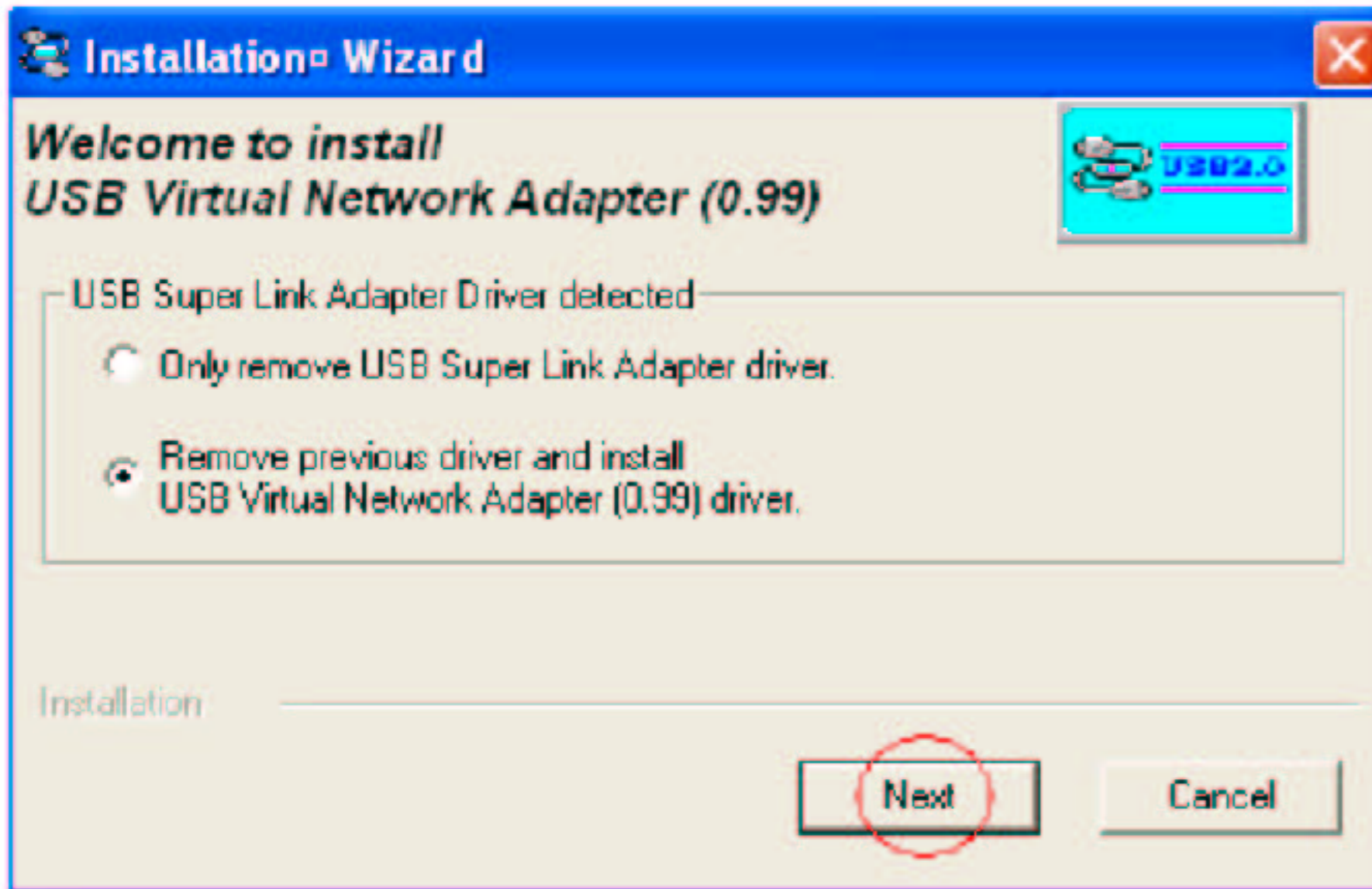
1. Select the software **VirtualNet_Install.exe** and click it.
2. Select the **Only remove USB LINK ADAPTER driver** and click **Next**.



(12) Remove SuperLink & Install VirtualNet Driver for Windows

98/ME/2000/XP

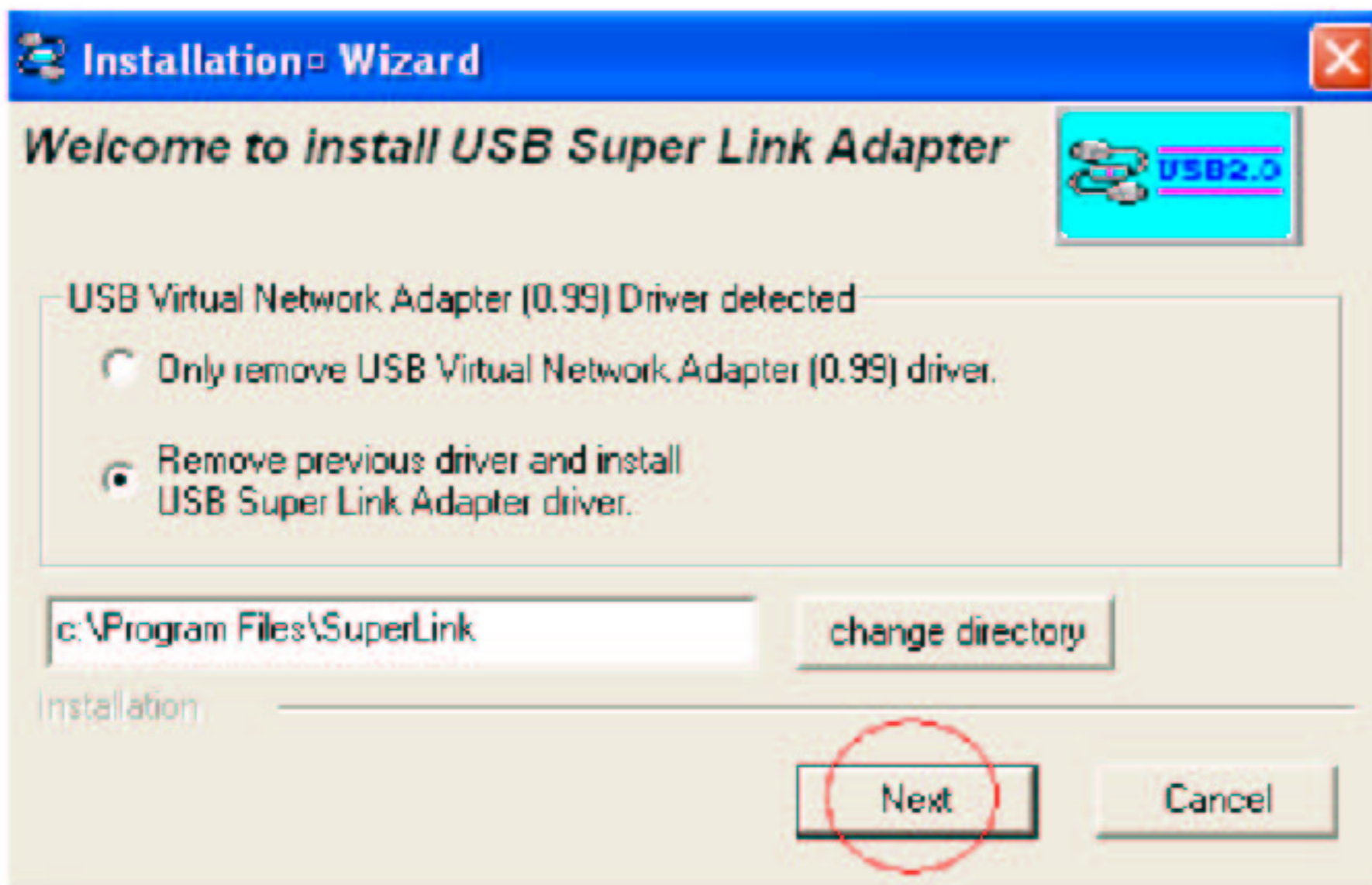
1. Select the software **VirtualNet_Install.exe** and click it.
2. Select the **Remove previous driver and install USB Virtual Network Adapter(Version) driver** and click **Next**.



(13) Remove VirtualNet & Install SuperLink Driver for Windows

98/ME/2000/XP

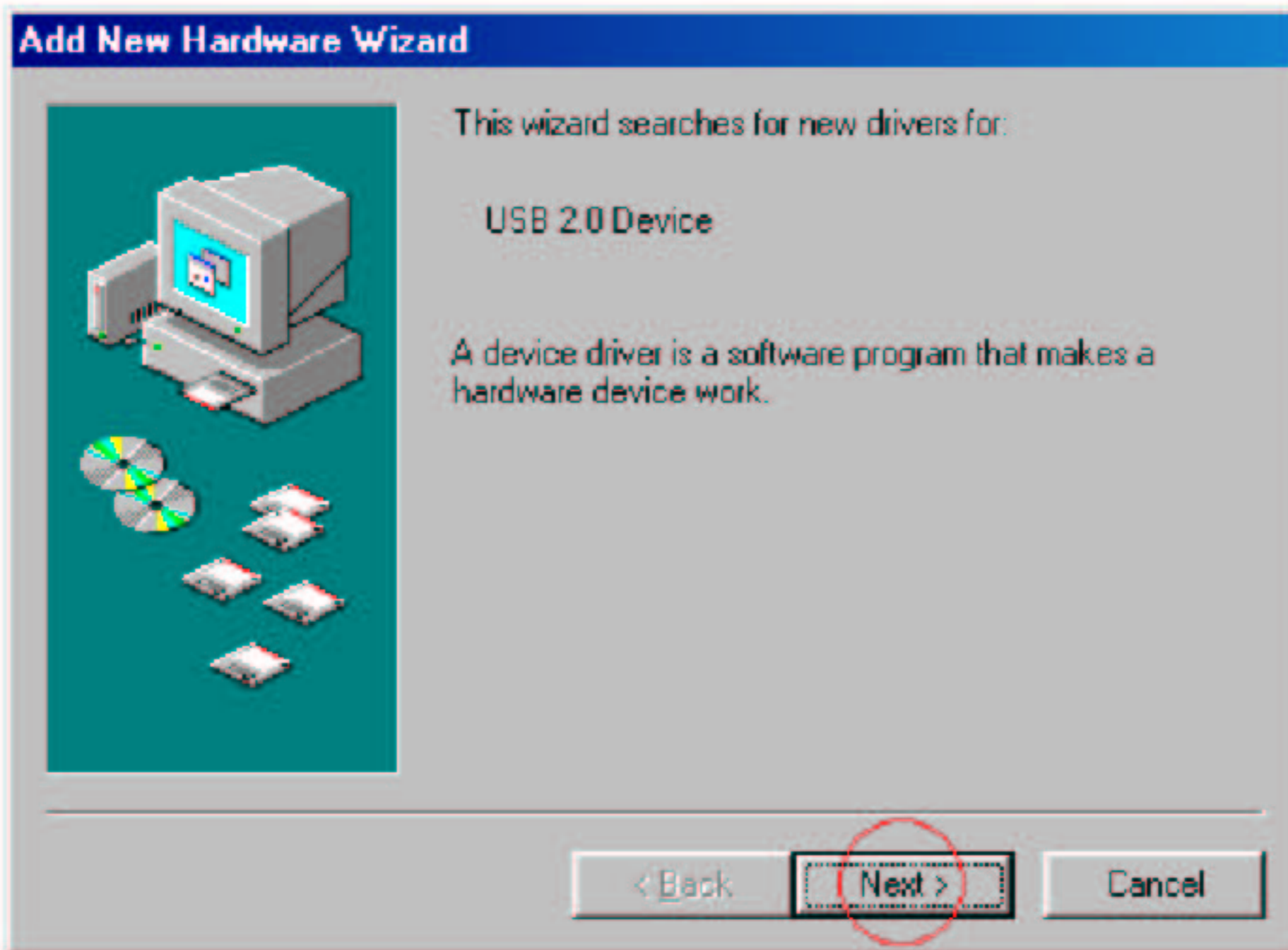
1. Select the software **SuperLink_Install.exe** and click it.
2. Select the **Remove previous driver and install USB Super Link Adapter driver** and click **Next**.



(14) SuperLink Driver Installation by Windows Device Driver Wizard

for Windows 98/ME/2000

1. Windows will install the standard USB PC-to-PC bridge driver. When the Found New Hardware Wizard opens and click **Next**.



2. Select the option to **search for the best driver for your device(Recommended)** then click **Next**.



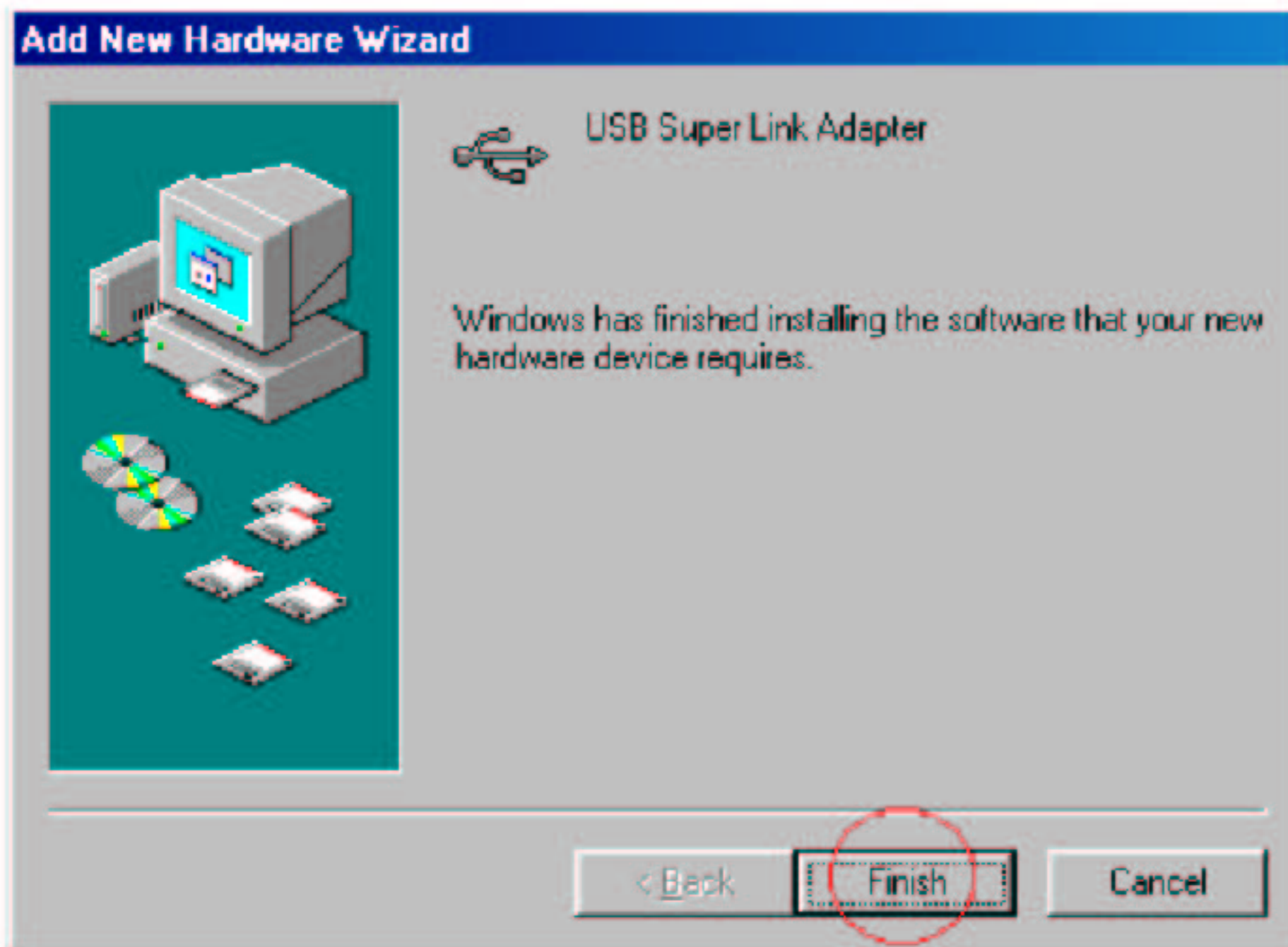
3. **Browse** driver locations and then click **Next**.



4. Click **Next**.



5. Click **Finish**.



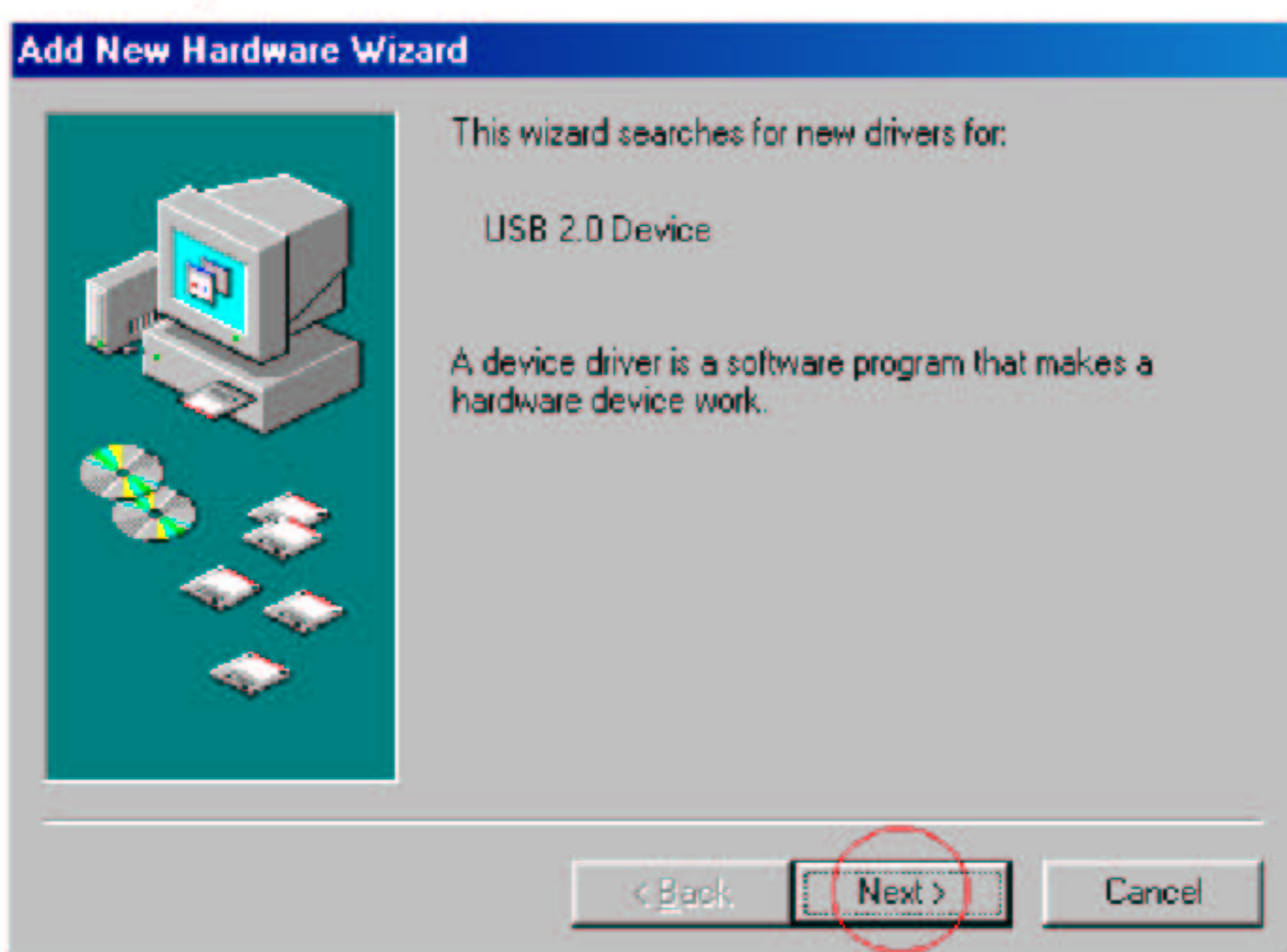
(15) Virtual Network Driver Installation by Windows Device Driver

Wizard for Windows 98/ME/2000

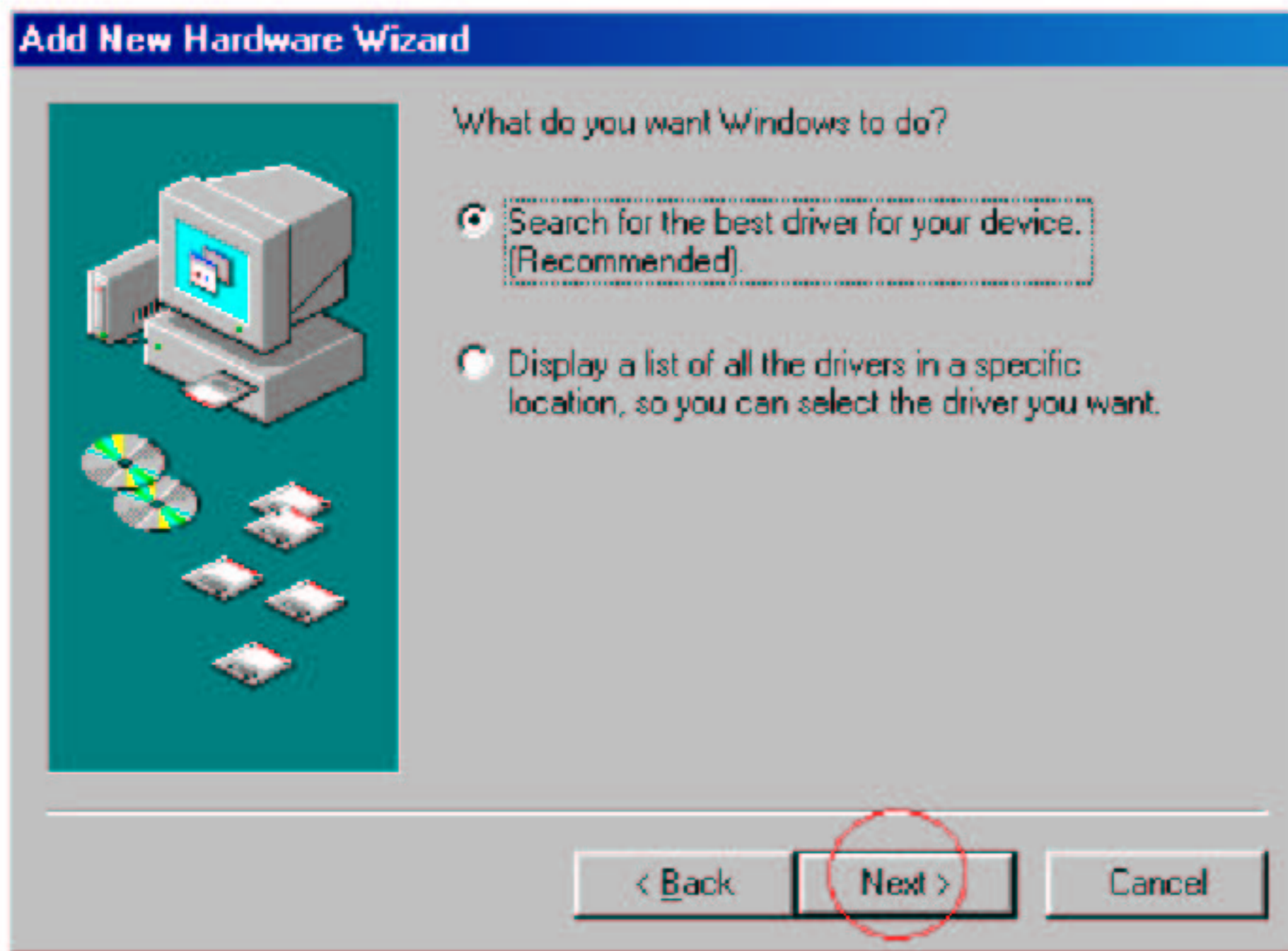
Device Driver Wizard Installation for Windows 98SE

Note: Use these instructions if you have just installed an Virtual Network into your system. Remember that the first time you restart your system after installing a port by Virtual Network USB cable, it may take longer due to the fact that the operating system is locating and installing drivers for the controller.

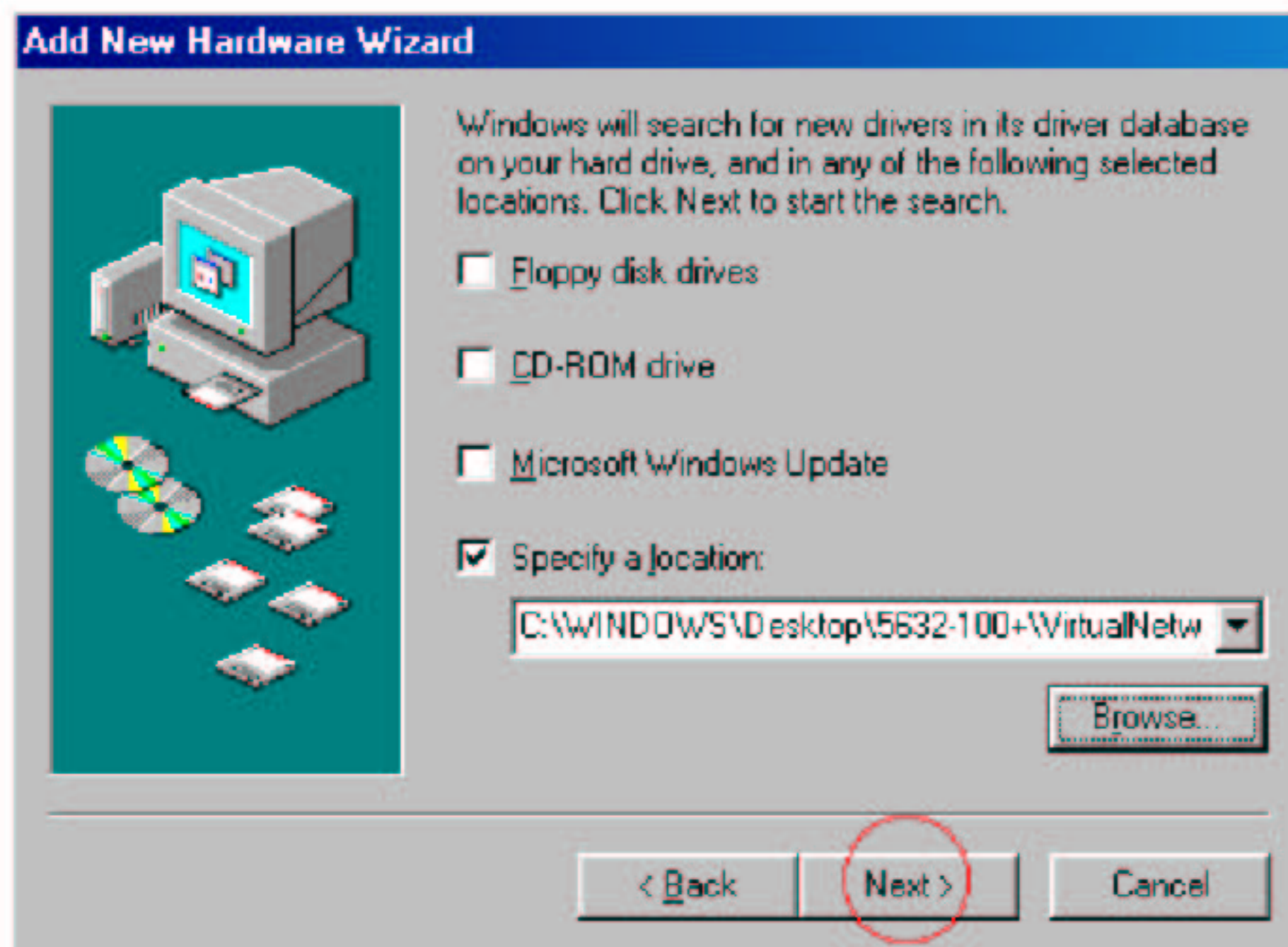
1. Windows will install the standard USB PC-to-PC bridge driver. When the Found New Hardware Wizard opens and click **Next**.



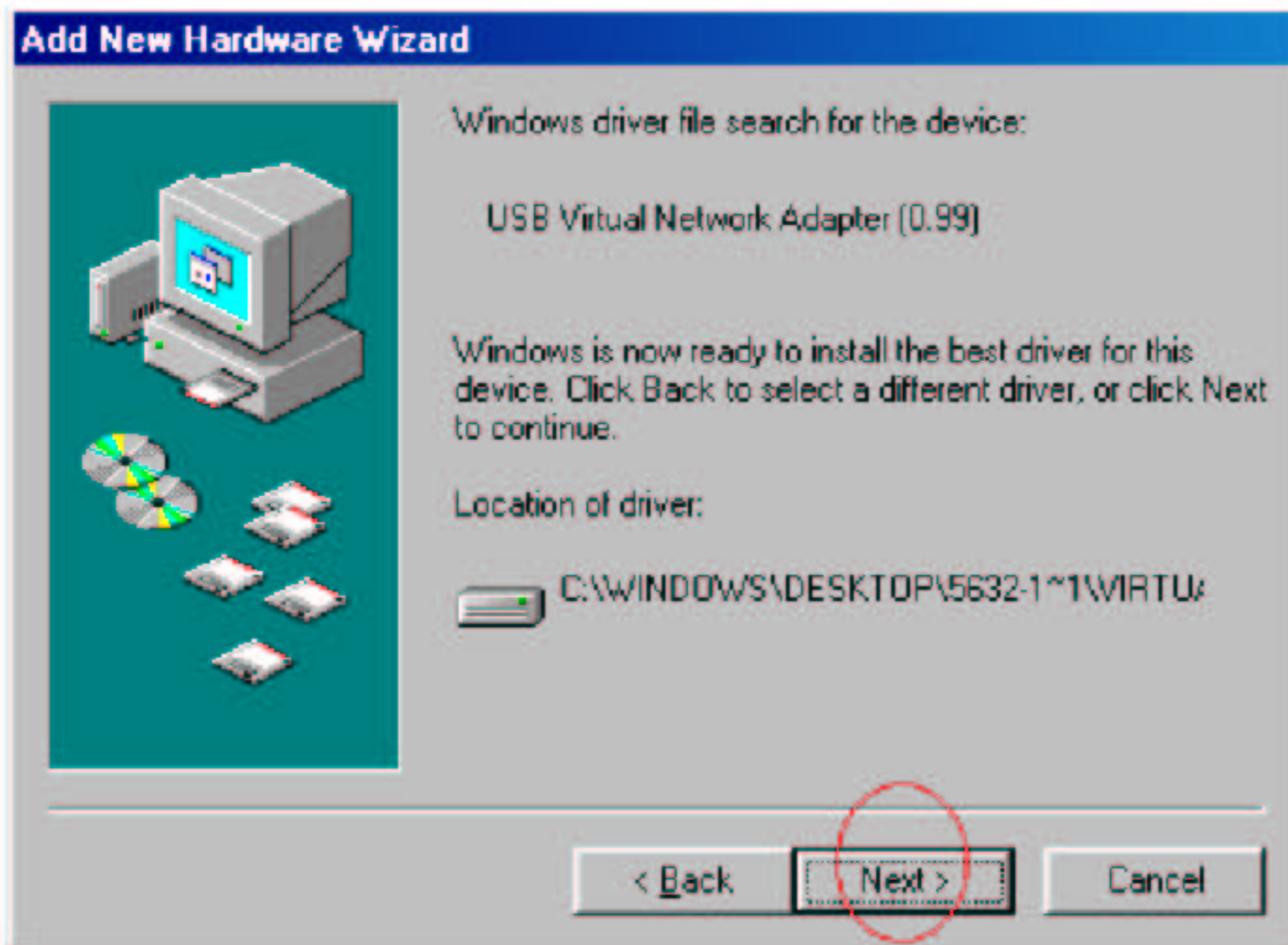
2. Select the option to **search for the best driver for your device(Recommended)** then click **Next**.



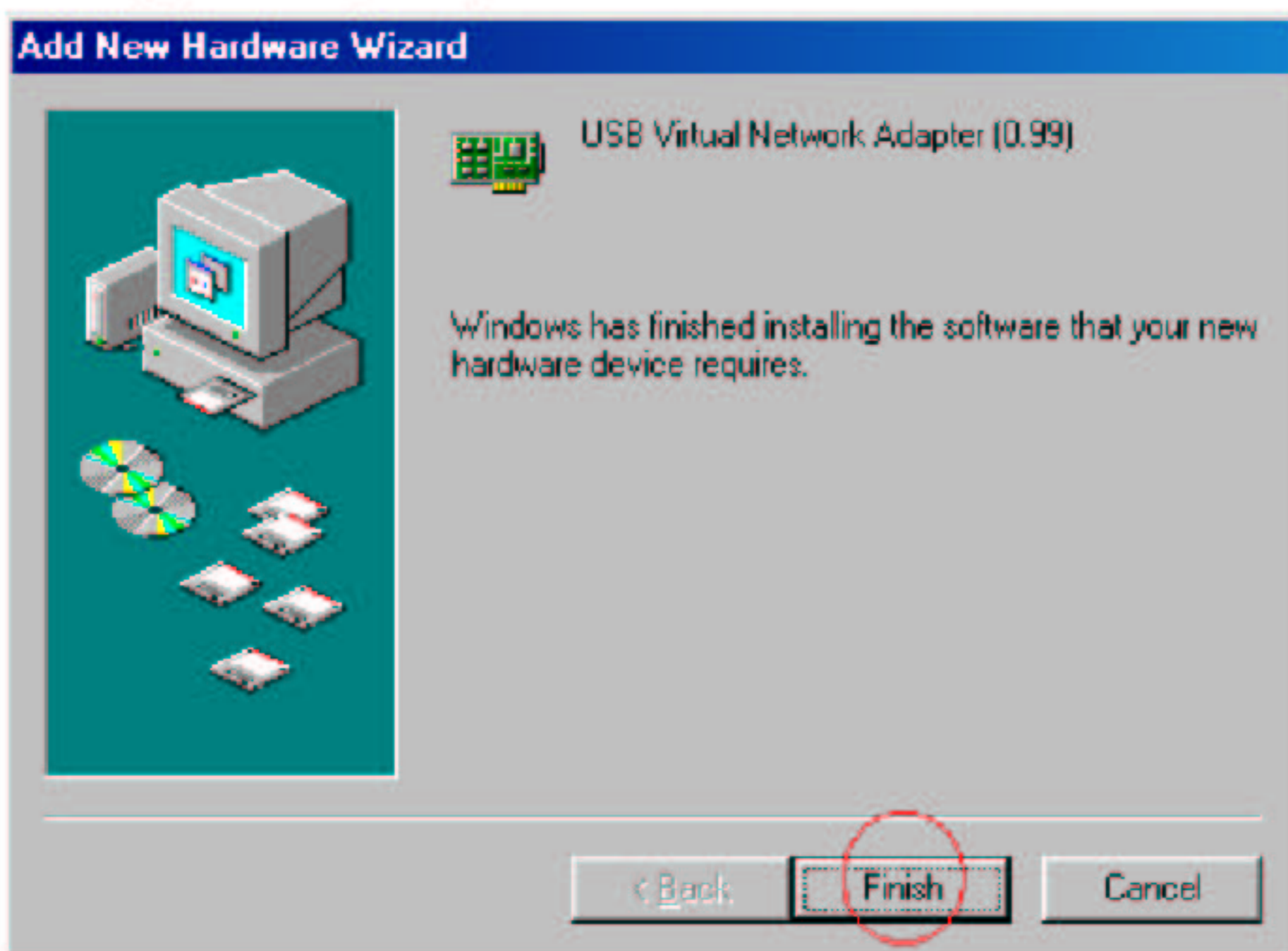
3. **Browse driver locations and then click Next.**



4. Click **Next**.



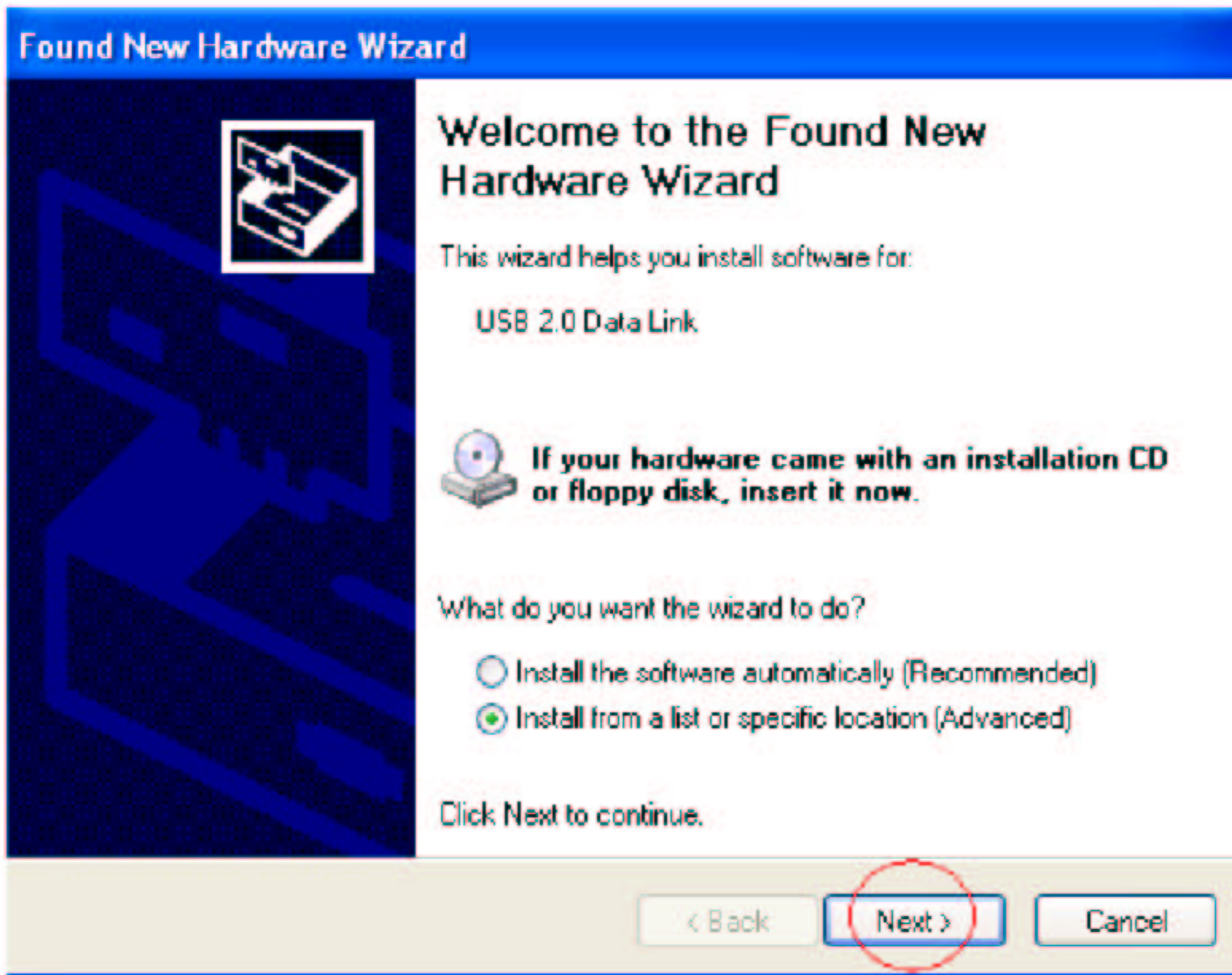
5. Click **Finish**. (Note: Only Win98 Windows prompts you to restart your computer, remember to restart your computer.)



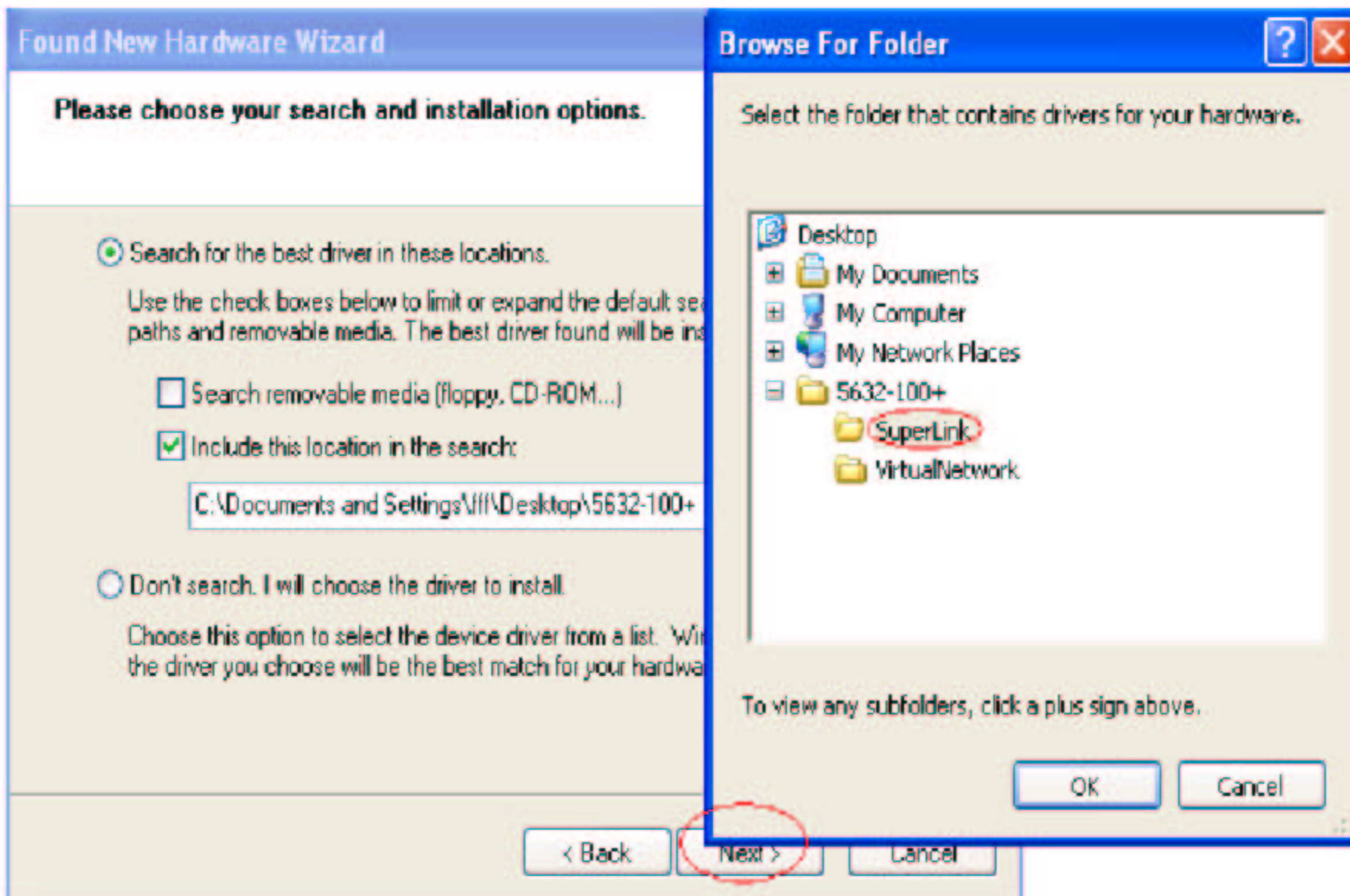
(16) SuperLink Driver Installation by Windows Device Driver Wizard

for Windows XP

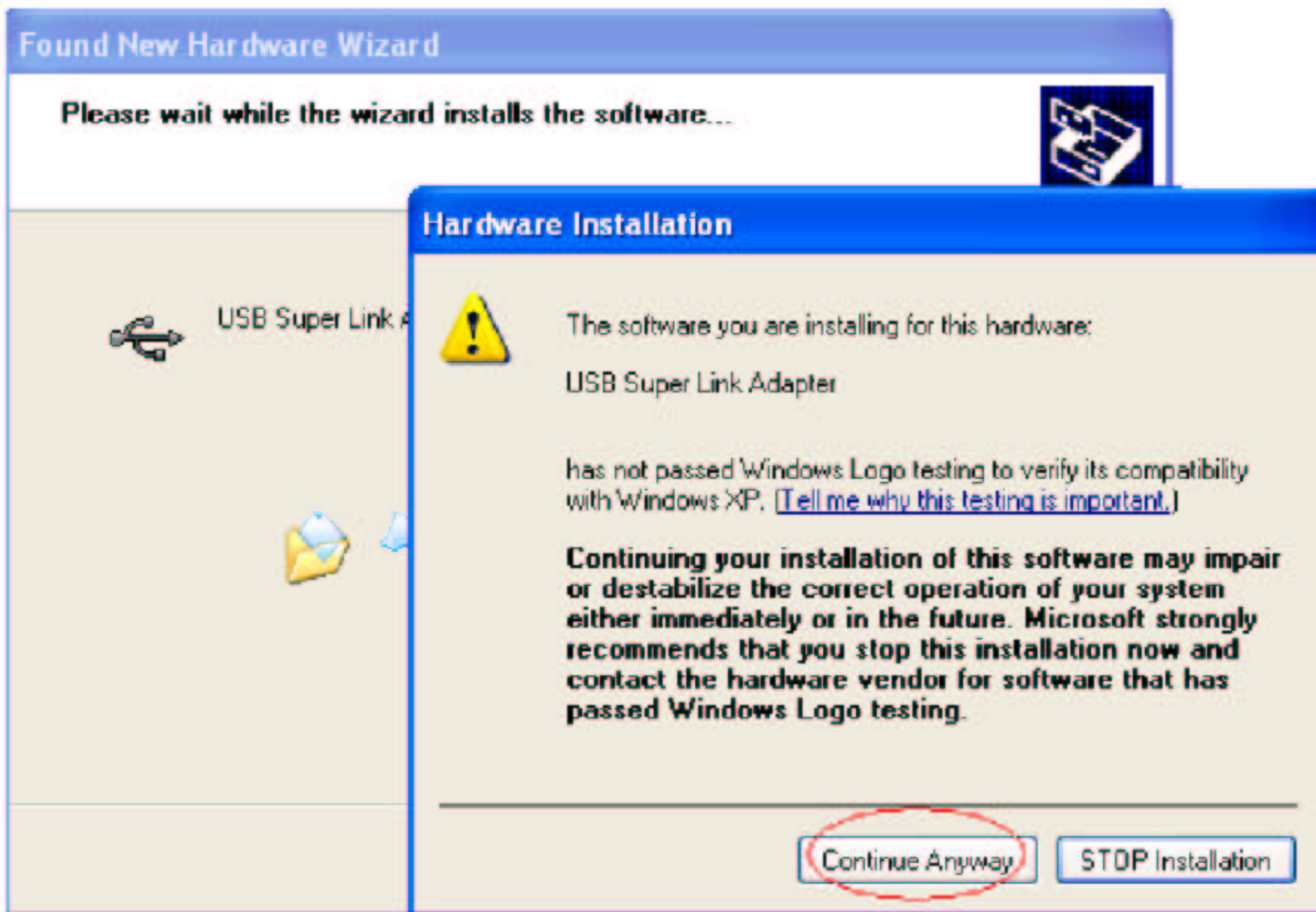
1. Windows will install the standard USB PC-to-PC bridge driver. When the Found New Hardware Wizard opens, Select the option to **Install from a list or specific location(Advanced)** and then click **Next**.



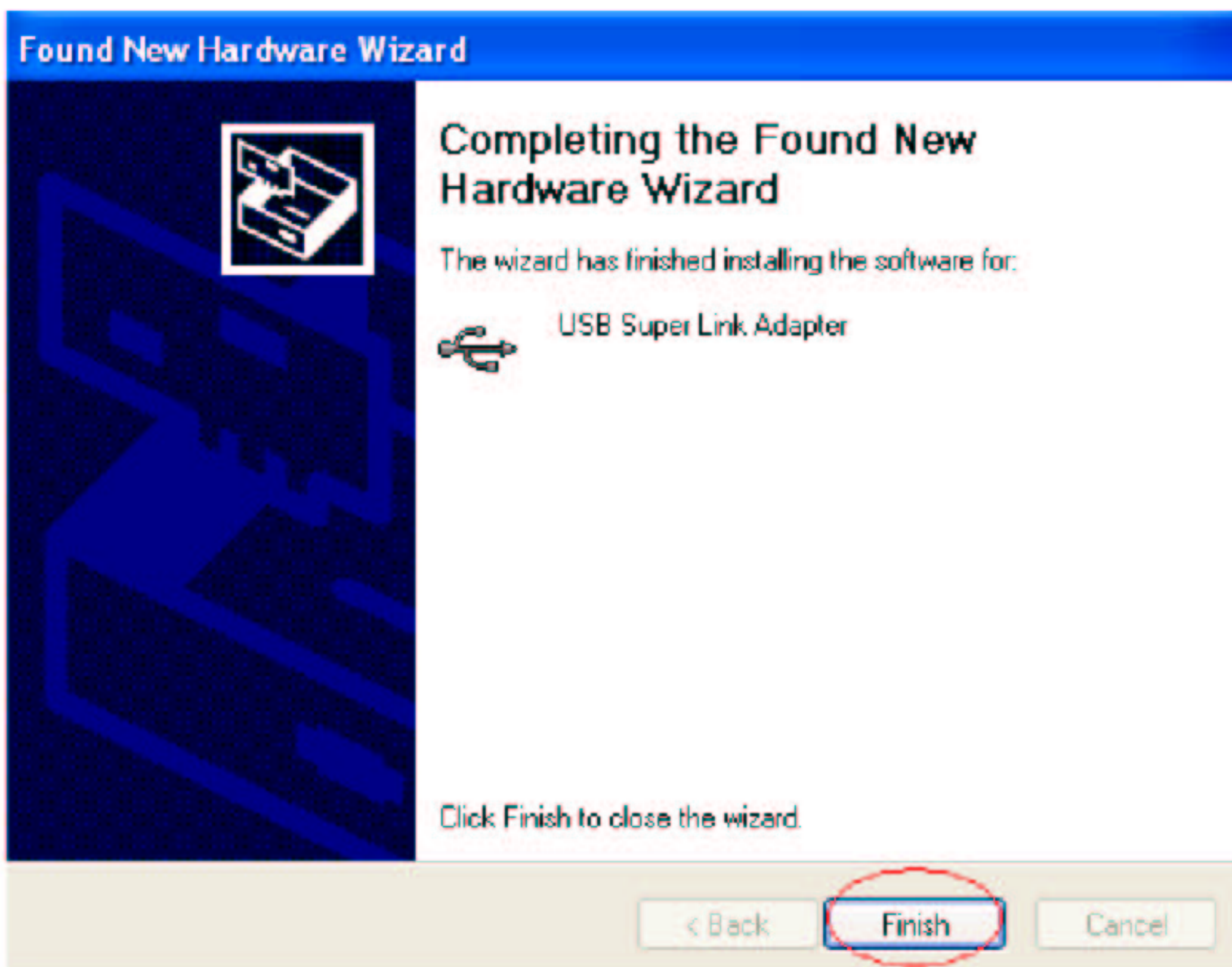
2. Browse driver locations and then click **Next**.



3. Click **Continue Anyway** in the following window.



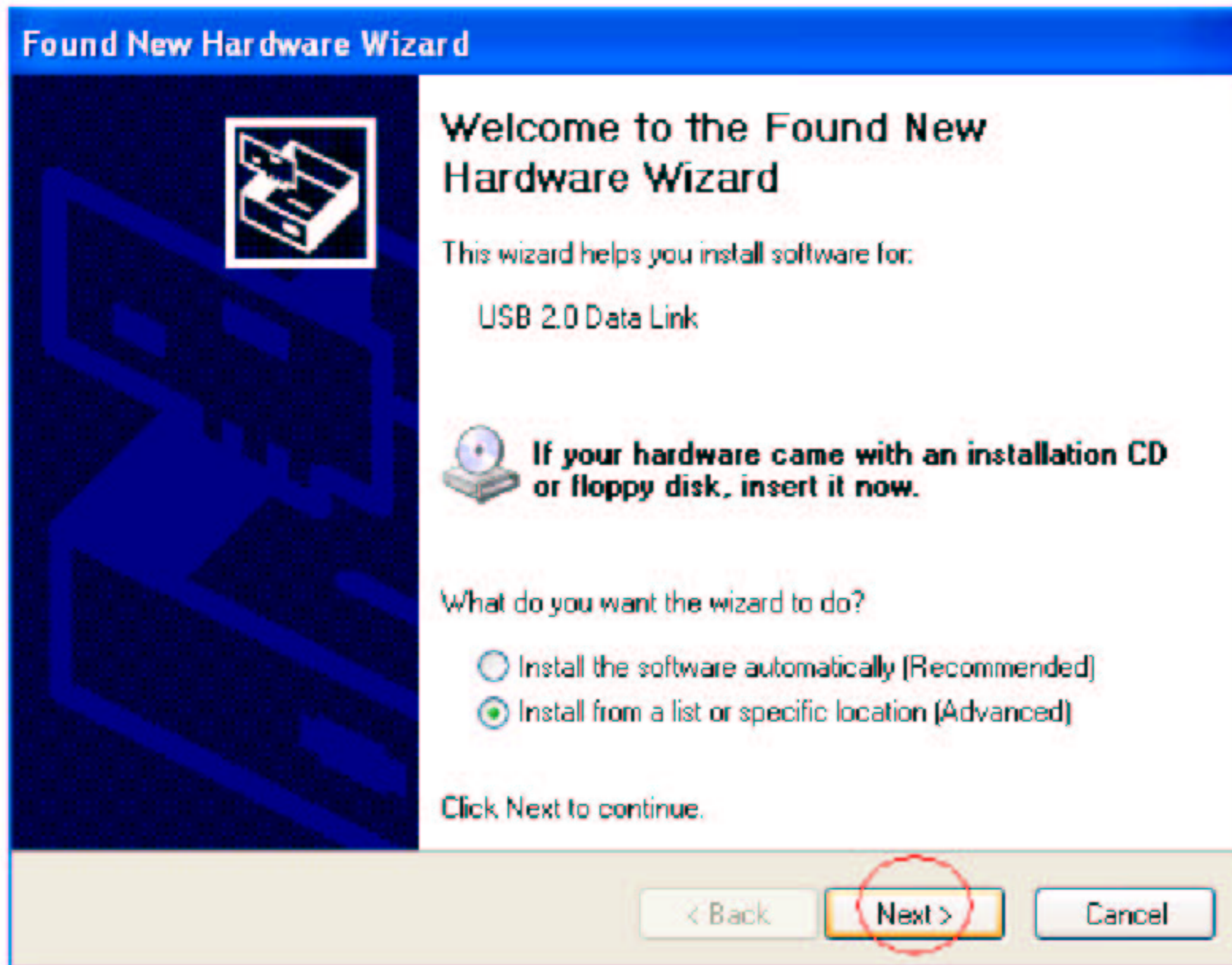
4. Click **Finish**.



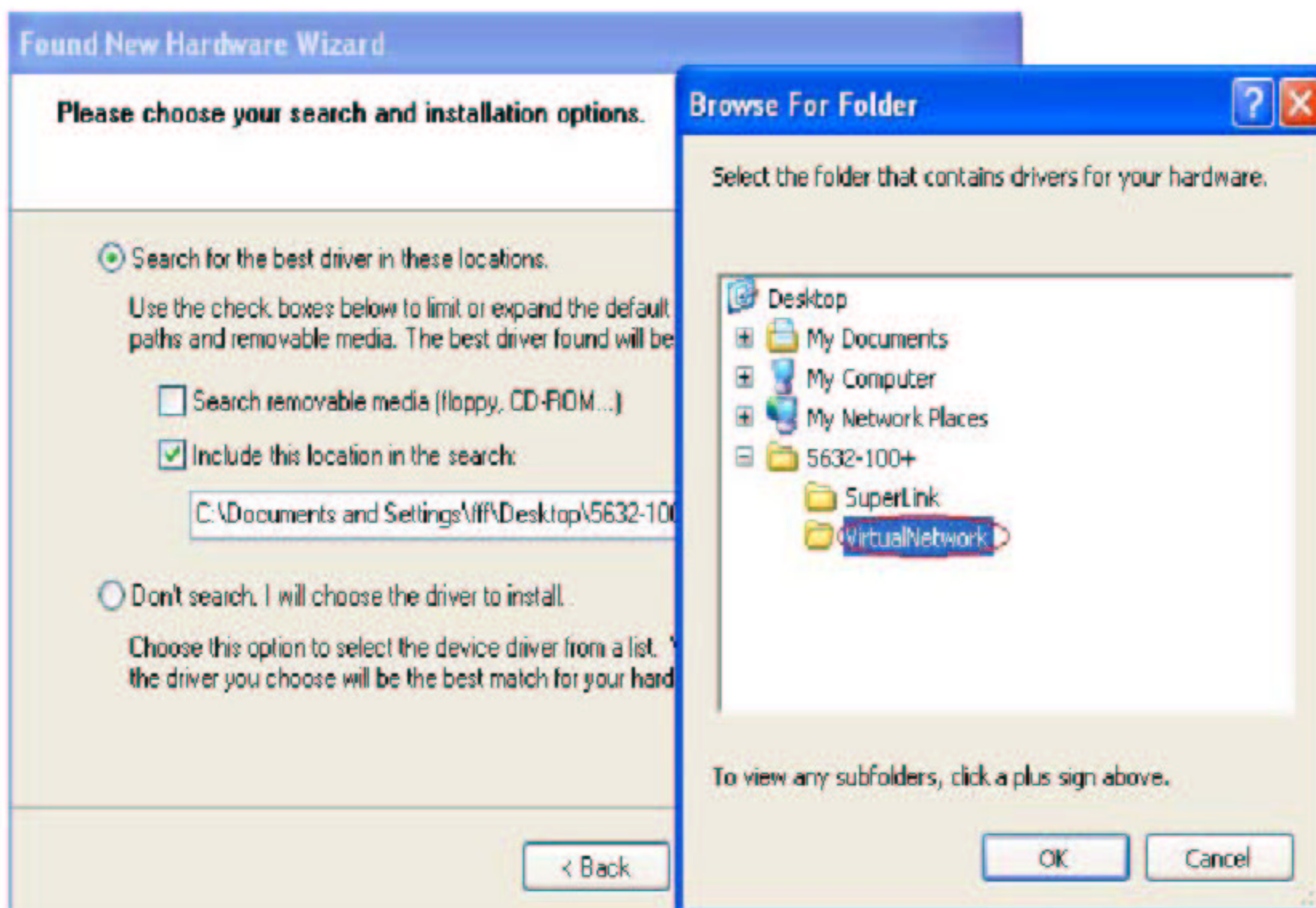
(17) Virtual Network Driver Installation by Windows Device Driver

Wizard for Windows XP

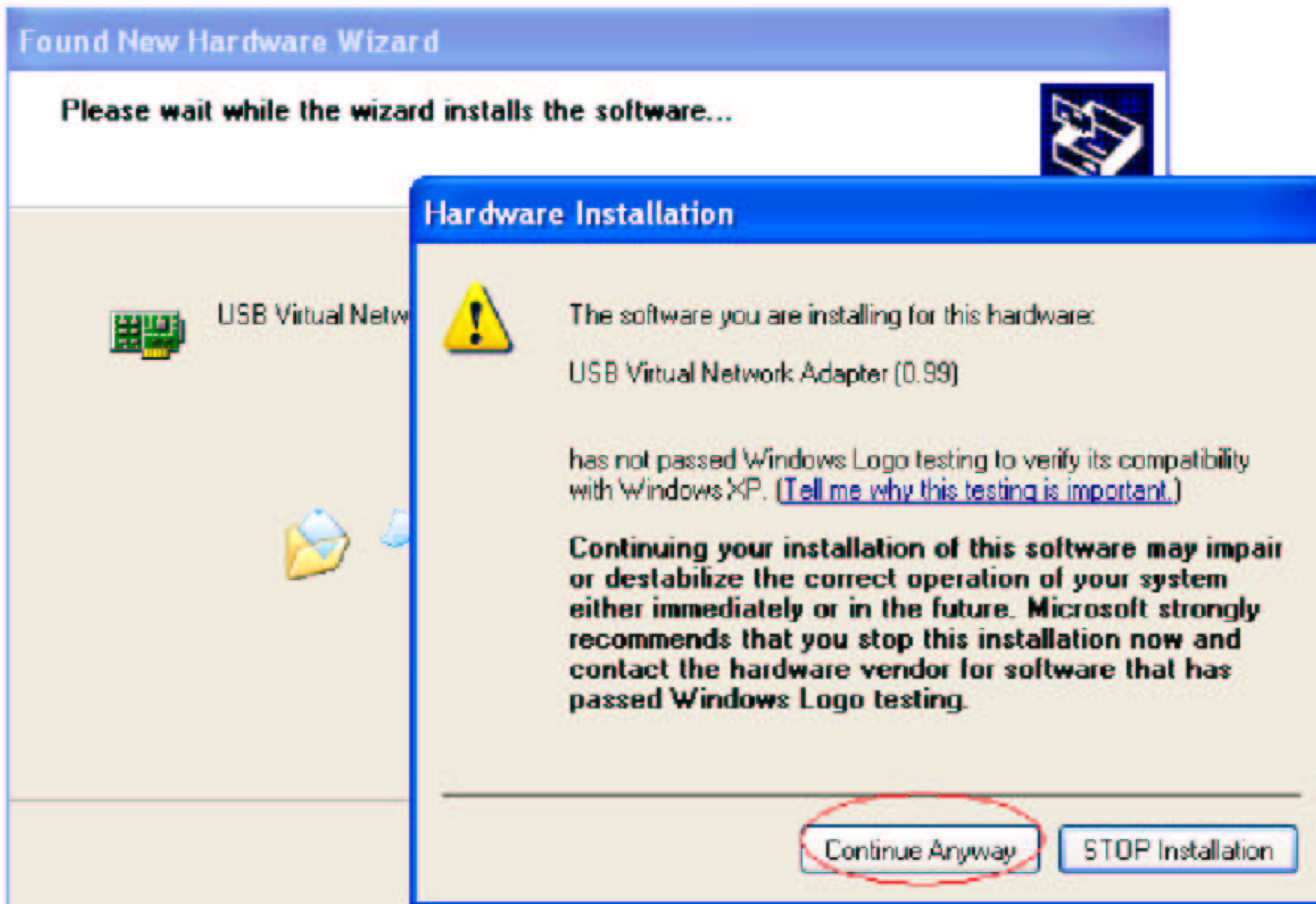
1. Windows will install the standard USB PC-to-PC bridge driver. When the Found New Hardware Wizard opens, Select the option to **Install from a list or specific location(Advanced)** and then click **Next**.



2. **Browse** driver locations and then click **Next**.



3. Click **Continue Anyway** in the following window.



4. Click **Finish**.

