

NETWORK (OPTION)

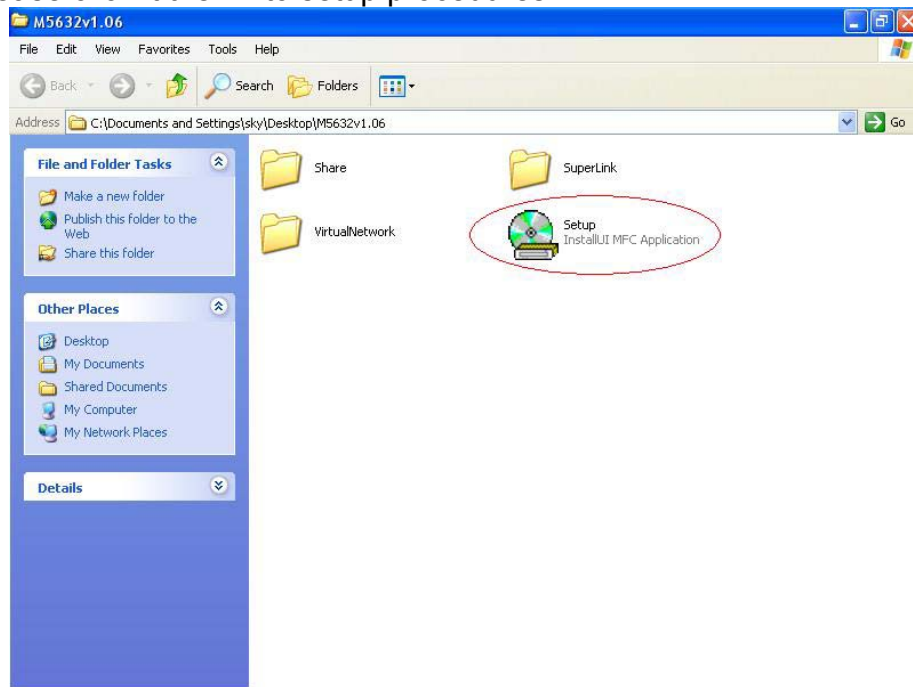
Since M5632 support multi-functions by different driver, user can switch Virtual-Network to Super-Link via driver exchanging.

Steps By Steps to Install M5632 Virtual-Network [For Win98SE/ME/2K/XP]

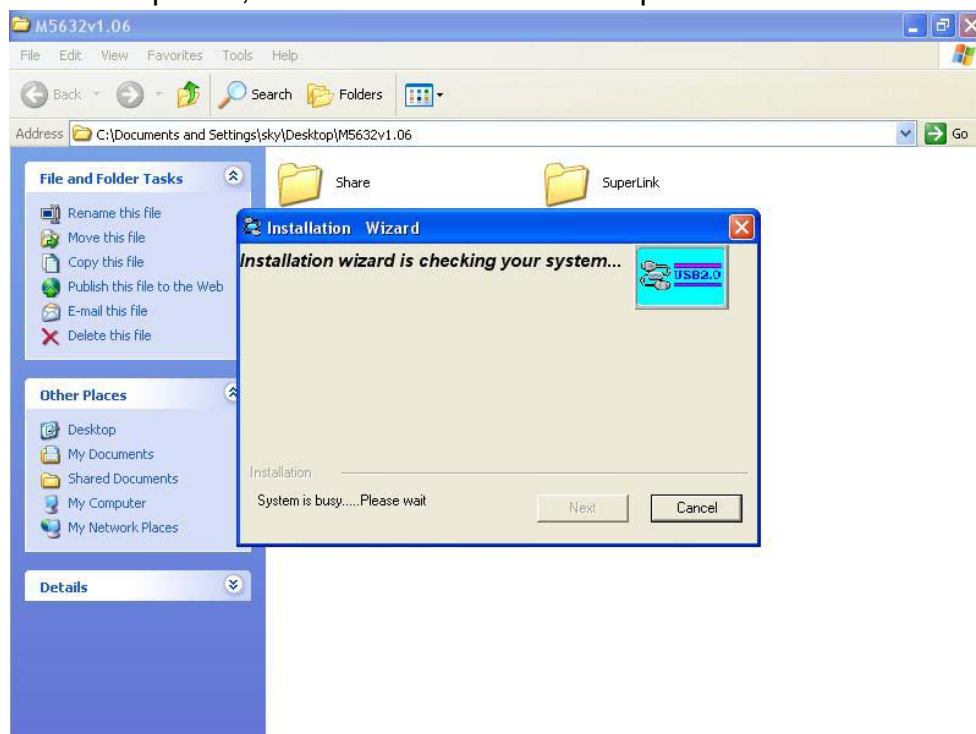
ALi M5632 Super-Link provides 2 kinds of installation methods for users :

(a) Setup installation.

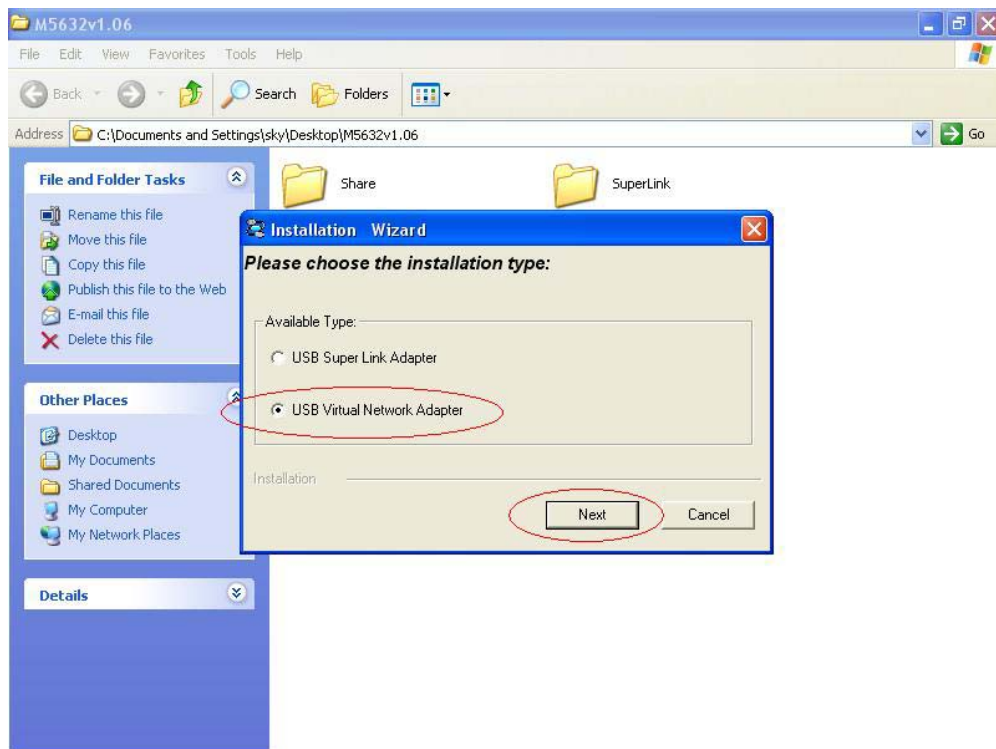
(i) From M5632 Virtual-Network installation package, there is a “setup.exe” for installing. Please click it then into setup procedures.



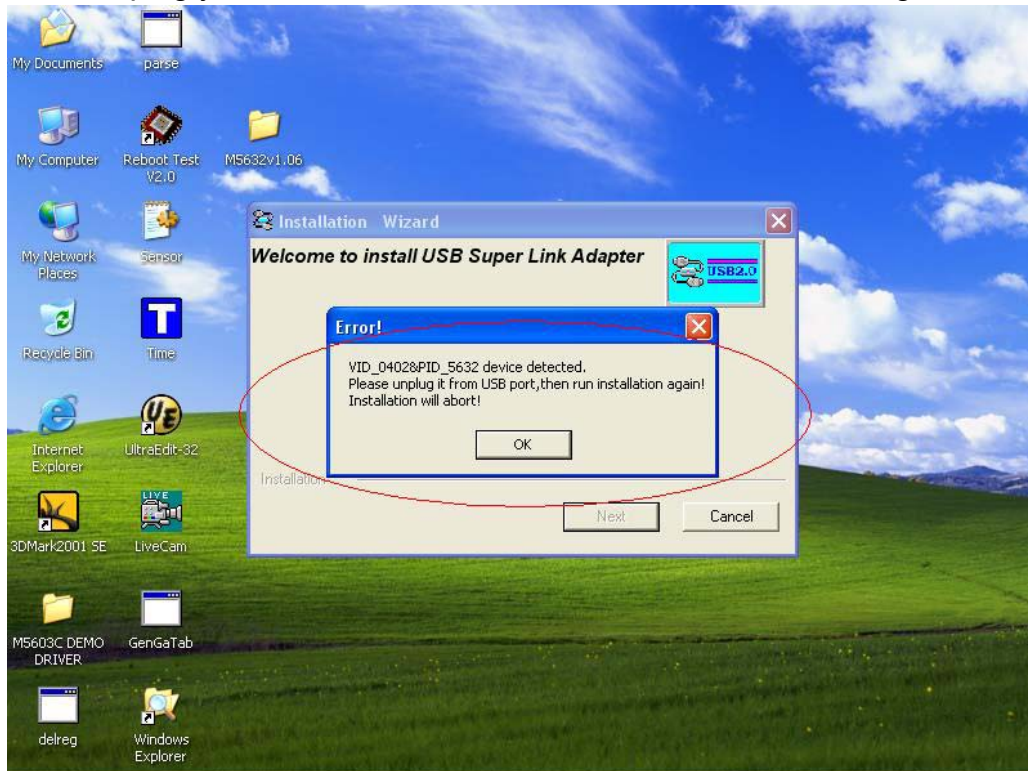
(ii) Click “Setup.exe”, then start installation steps.



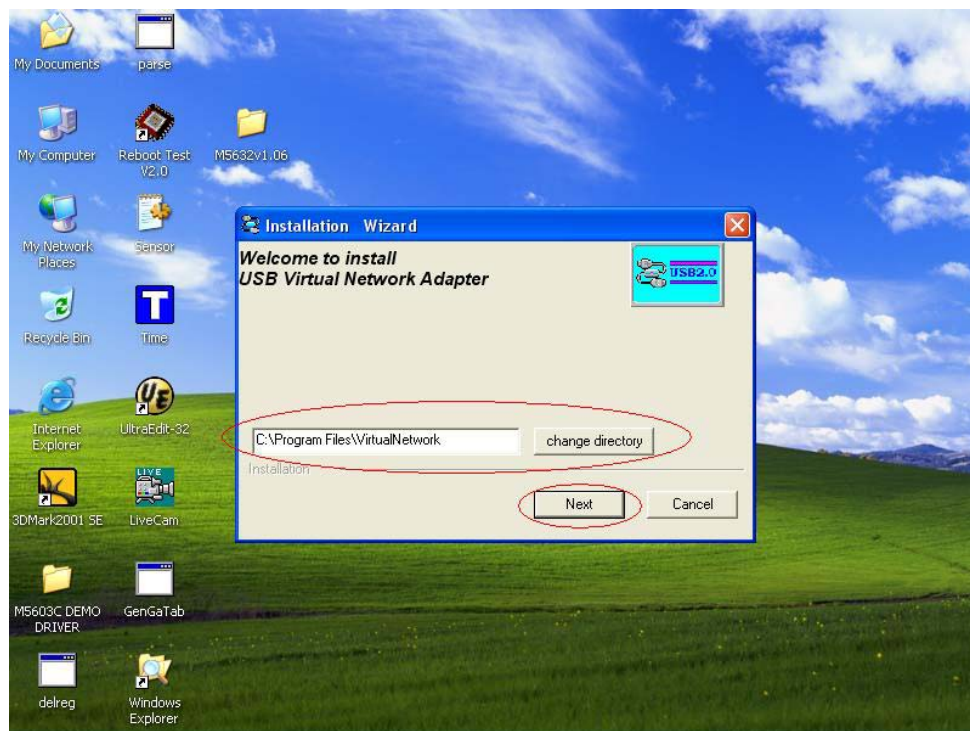
- (iii) There are 2 selection for installing , please select “USB Virtual-Network Adapter” , then click “Next”



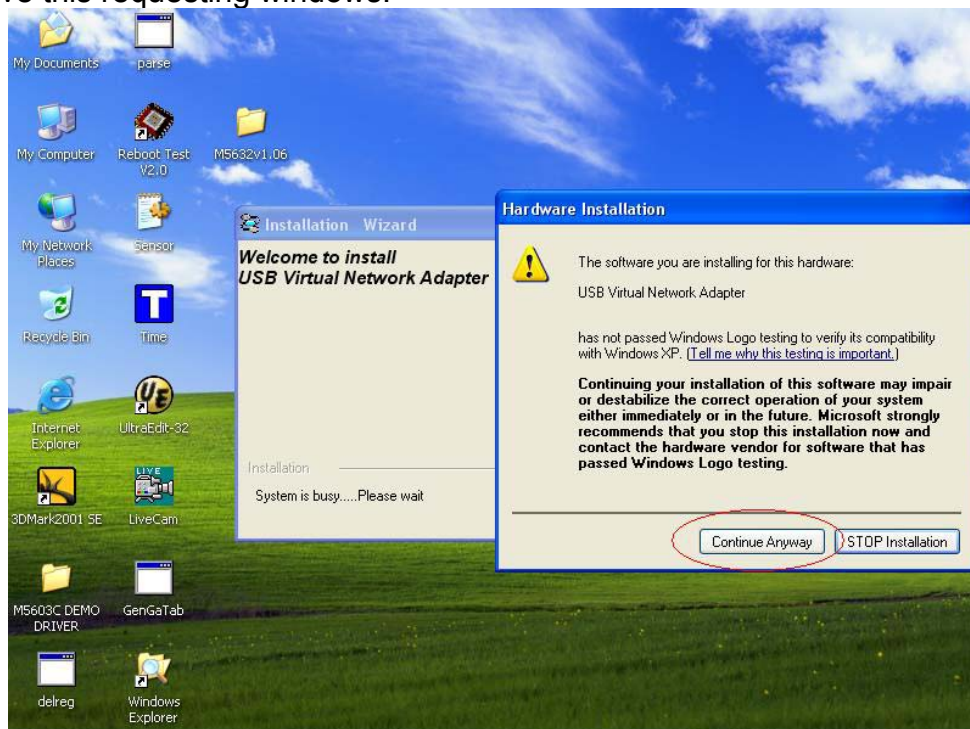
Note : Please unplug your cable first while install driver, or error message would show up.



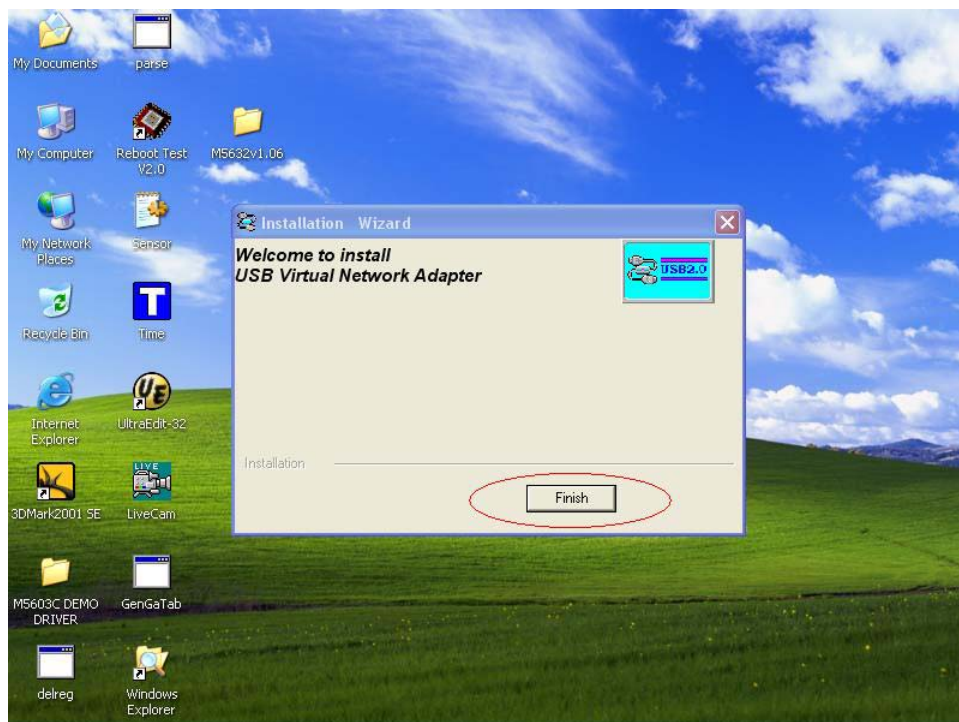
- (iv) Please select the target folder you want to install in or follow default setting, then click “Next”



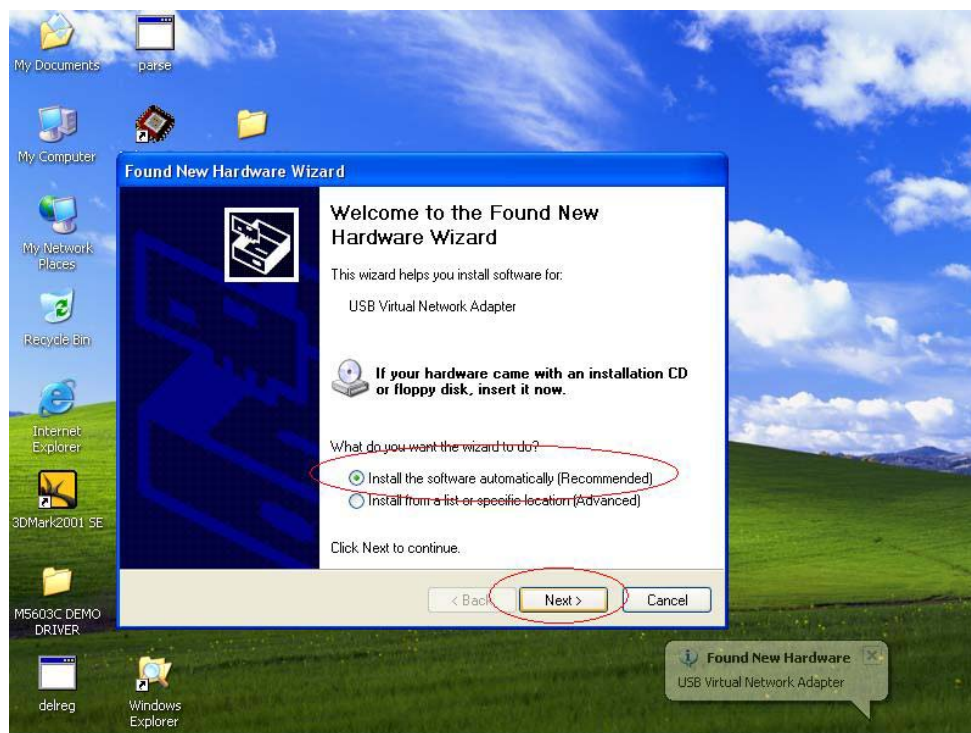
- (v) In Windows XP system, there will be a software verification requesting windows pop out, just click “Continue Anyway”, then continue to install. In Windows 98SE/ME/2K won't have this requesting windows.



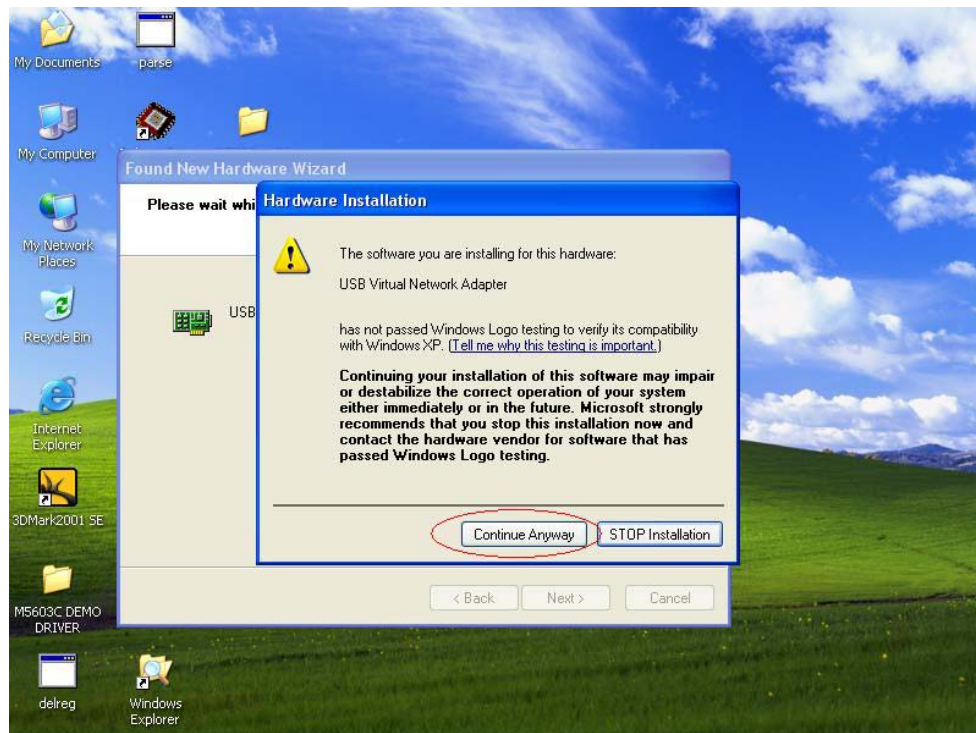
- (vi) Just a few seconds, the completed install windows will pop out, just click “Finish” to complete whole setup procedures.



- (vii) Users can plug M5632 Virtual-Network into Host PC, then following figure is found. Since the necessary components were installed into system, users can just click “Next” to let windows auto-search the driver components.



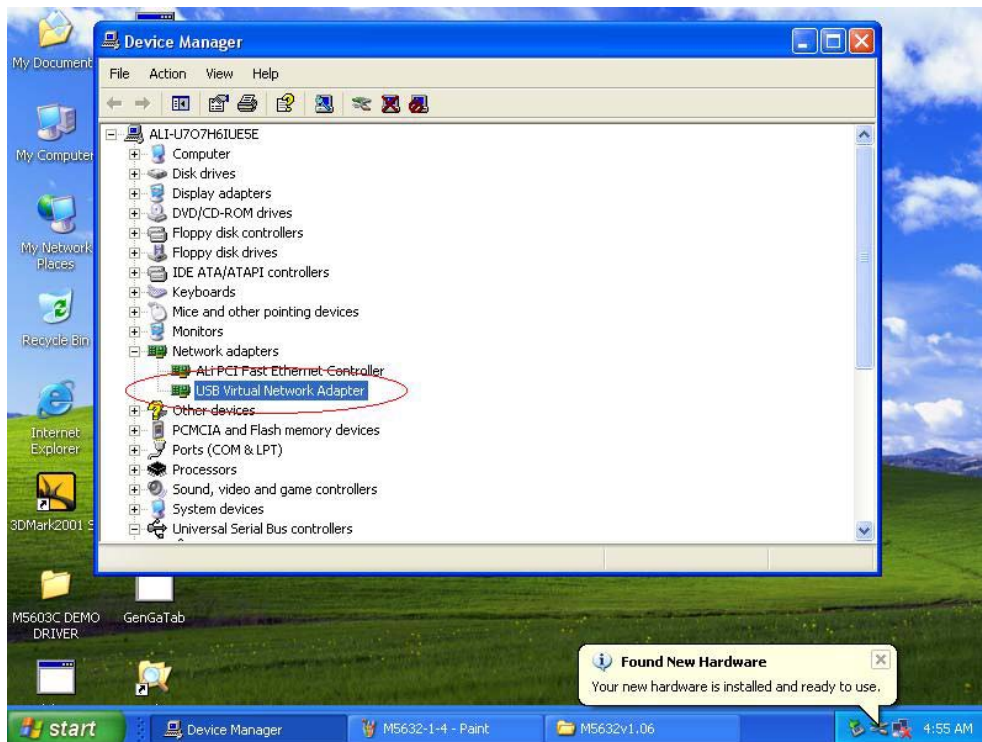
- (viii) Also, in Windows XP system, there will be a software verification requesting windows pop out, just click “Continue Anyway”, then continue to install. In Windows 98SE/ME/2K won't have this requesting windows.



- (x) Just a few seconds, the installation is completed, then press “Finish” to completed whole install procedures.

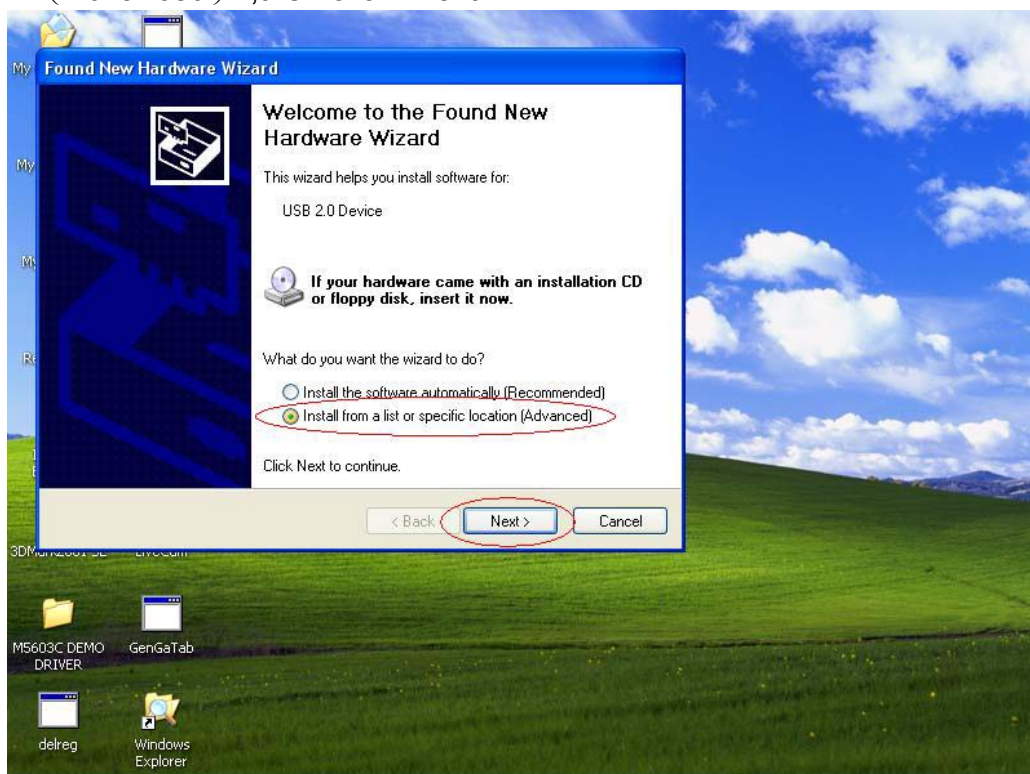


(xi) To check M5632 Super-Link whether install succeed, please go to the device manager to find the “USB Super Link Adapter” , and the installation is successful.

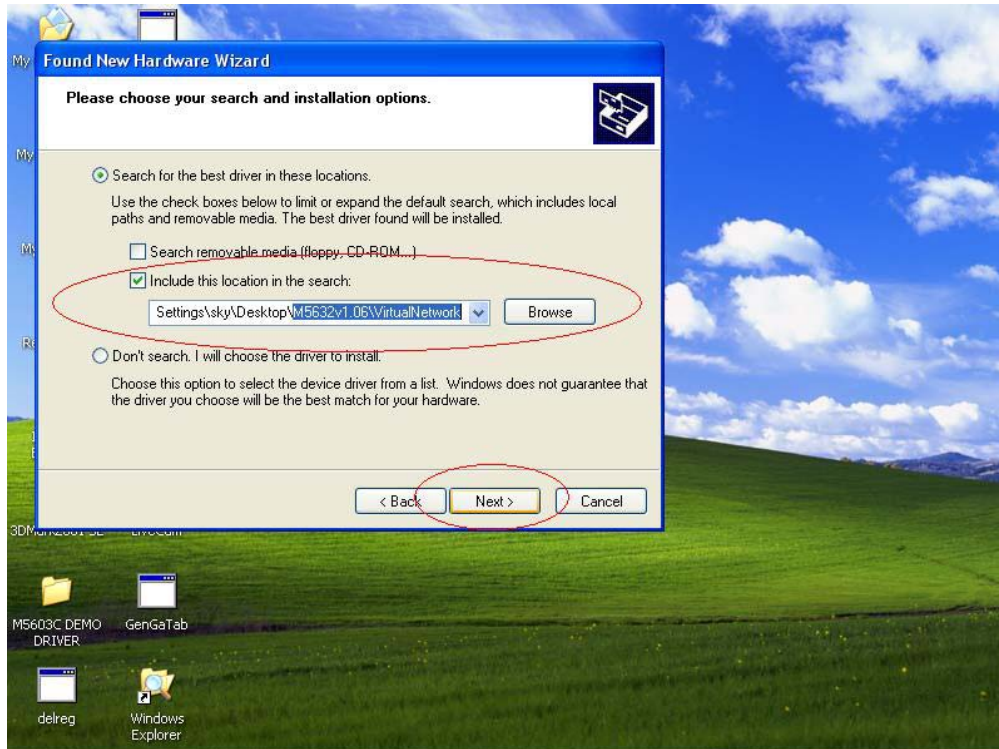


(b) Normal add/remove hardware installation.

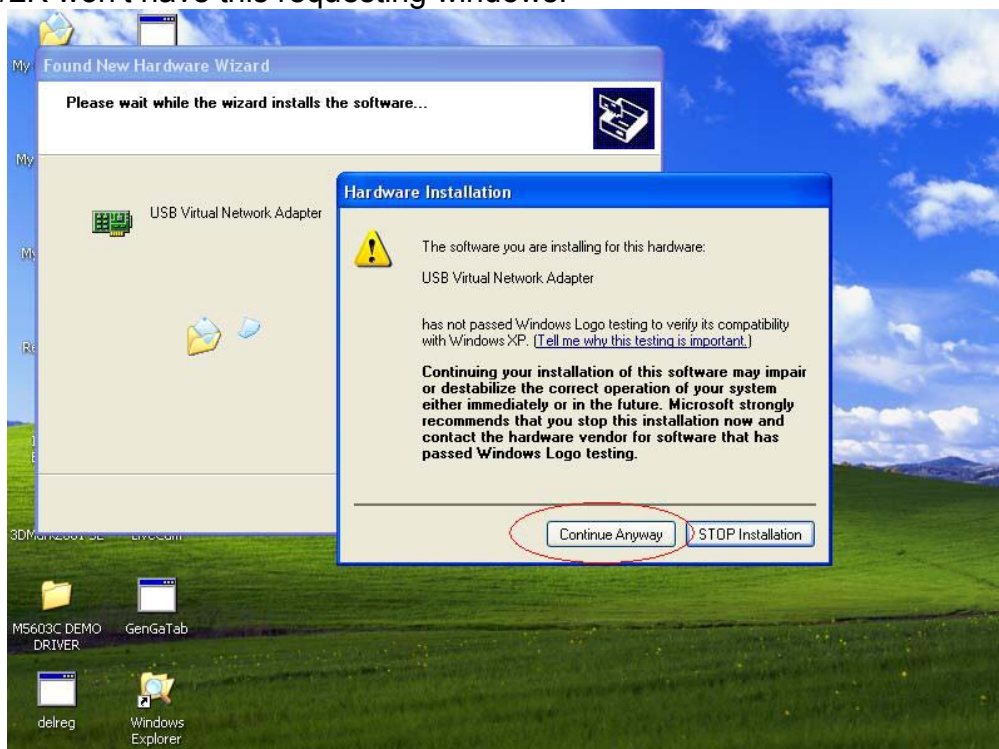
(i) Plug M5632 Virtual-Network cable into host first. When the “Found New Hardware Wizard” opens, please select the “Install from a list or specific location (Advanced)”, then click “Next”.



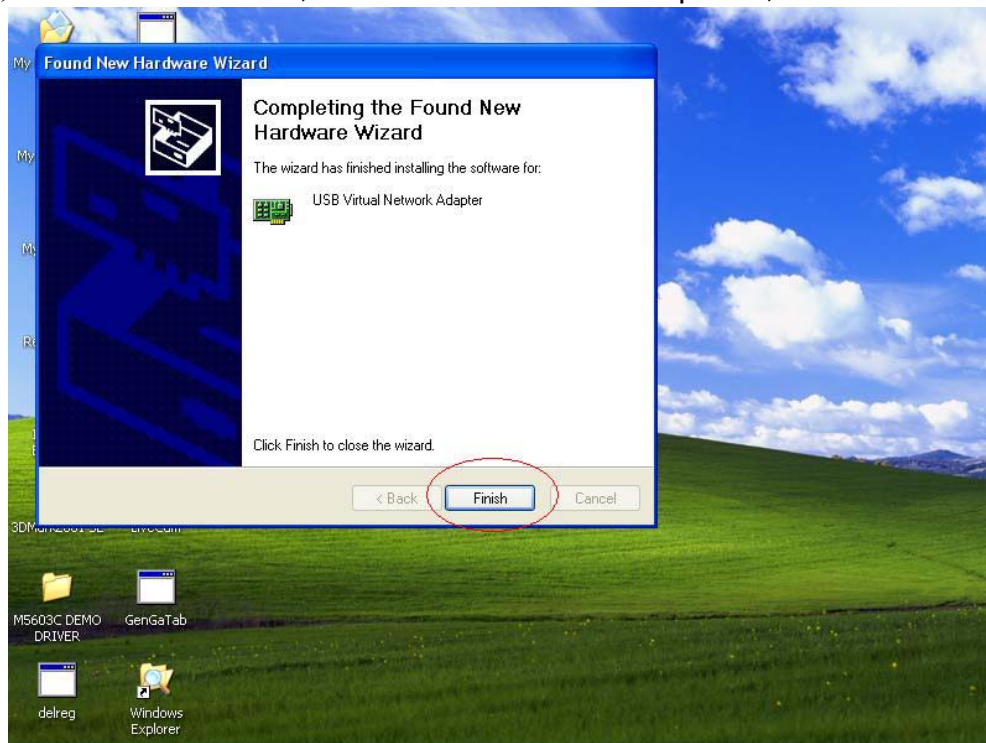
(ii) Select the correct source file location and click “Next”.



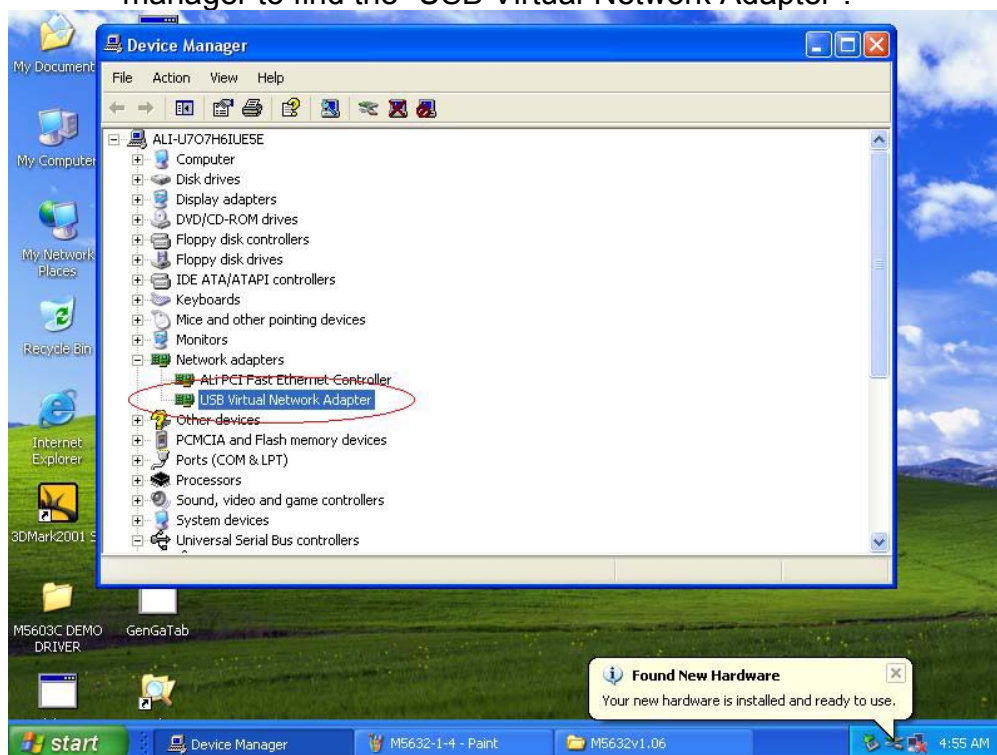
(iii) Also, in Windows XP system, there will be a software verification requesting windows pop out, just click “Continue Anyway”, then continue to install. In Windows 98SE/ME/2K won't have this requesting windows.



(iv) Just a few seconds, the driver is installed completed, and click “Finish”.



(v) To check M5632 Super-Link whether install succeed, please go to the device manager to find the “USB Virtual-Network Adapter”.

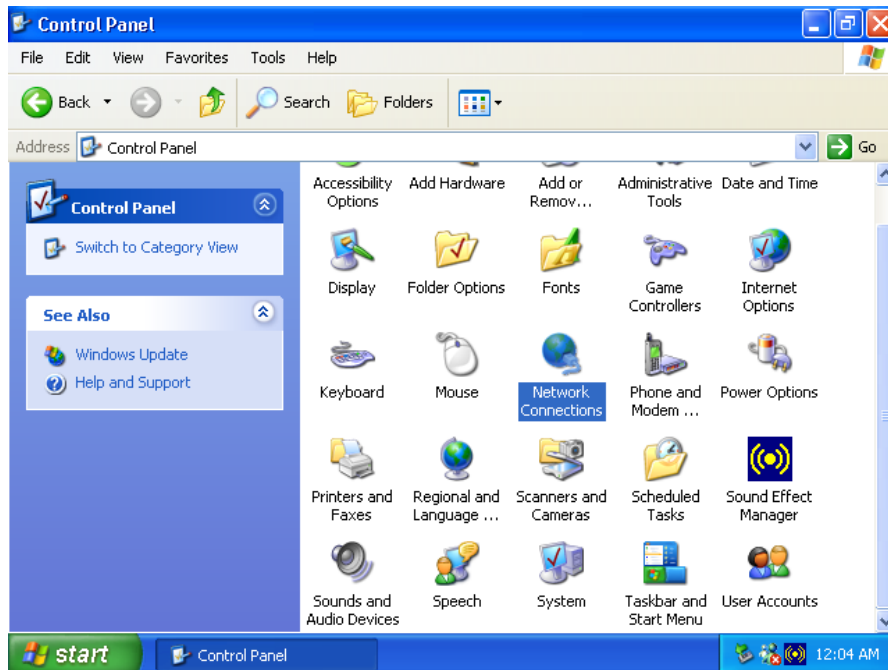


M5632 Virtual-Network software application setting

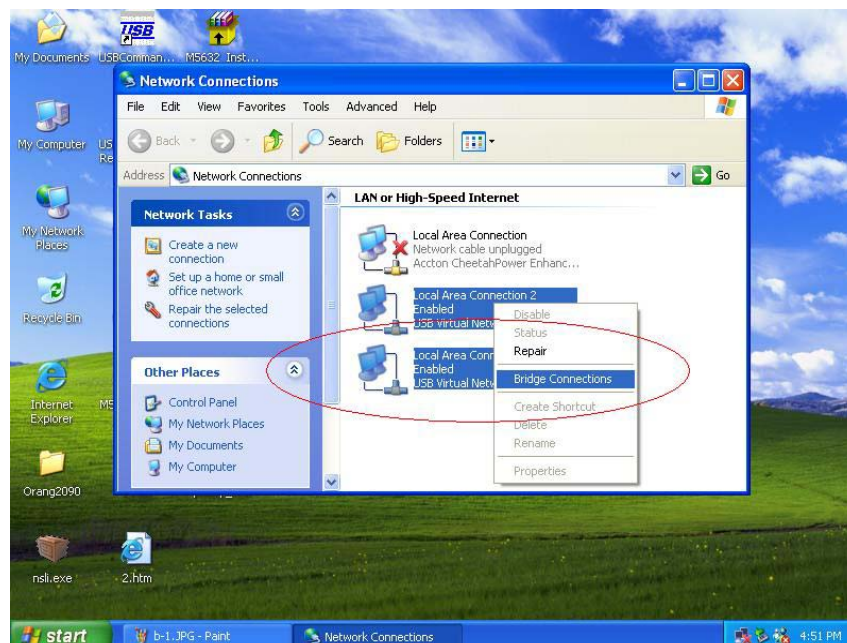
Steps by Steps to enable Internet Connection Sharing on a network connection:

1. Bridge-computers are for Windows XP(1ST PC)

(1) Choice Network Connections



- (2) Open Network Connections (Click Start, click Control Panel, click Network and Internet Connections, and then click Network Connections). Under LAN or High-Speed Internet select each of the private network connections that you want to be part of the bridge. Right-click one of the highlighted private network connections, and then click Bridge Connections.



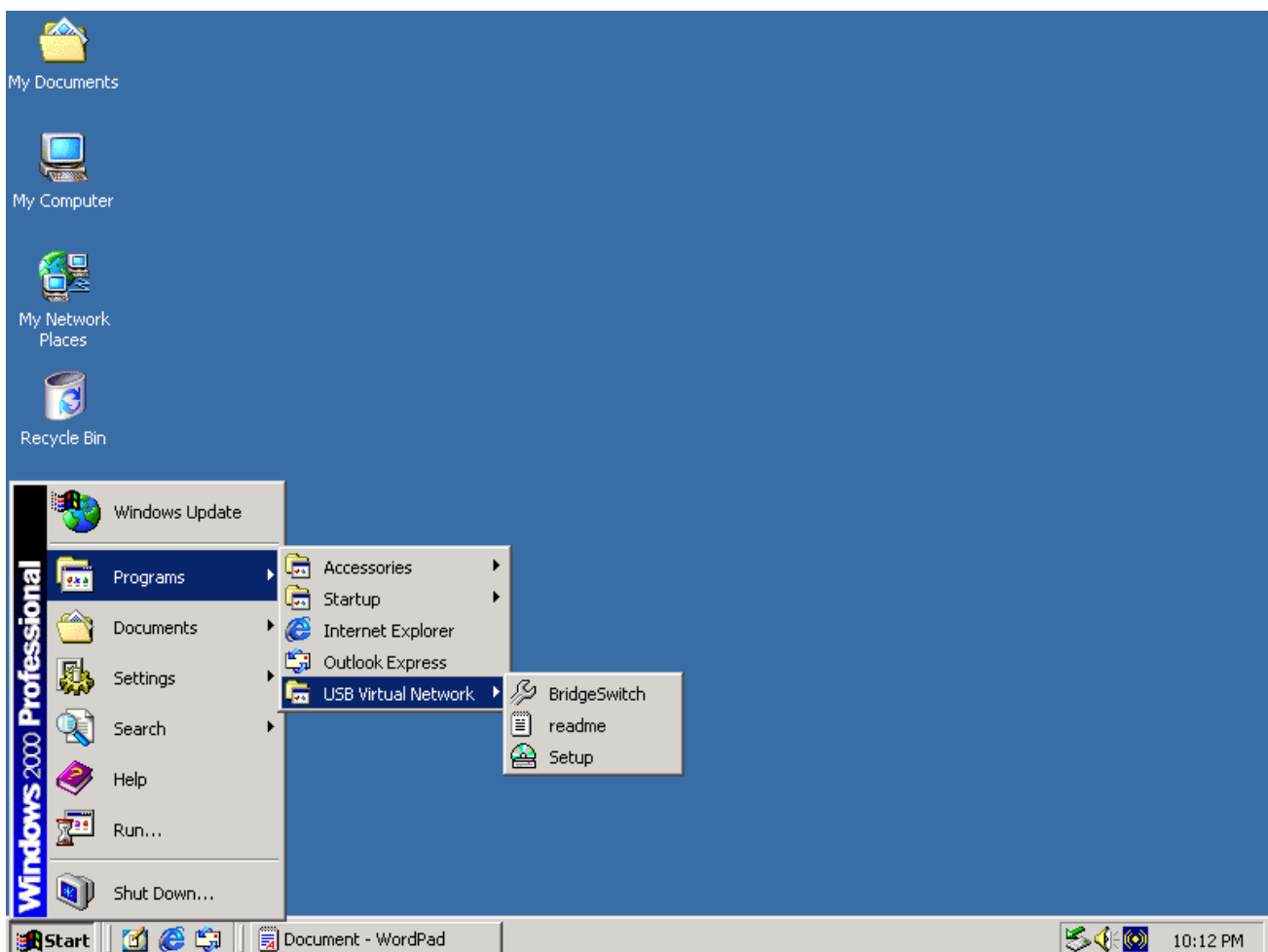
Note: General setting for 3 or more local connections of computers for sharing Internet service.

- a) User must be logged on as an administrator or a member of the Administrators group in order to complete this procedure.
- b) User must select at least two eligible network connections in order for **Bridge Connections** to create a bridge.
- c) Only Ethernet, IEEE-1394 adapters, M5632, or Ethernet compatible adapters such as Wireless and home phone-line adapters (HPNA), can be part of the network bridge.
- d) If you remove adapters from the network-bridge, and less than two adapters remain, Network Bridge will not perform its intended function, but it will continue to use system resources.
- e) Network bridges with M5632 connection support traffic using Internet Protocol version 4 (IPv4) only.

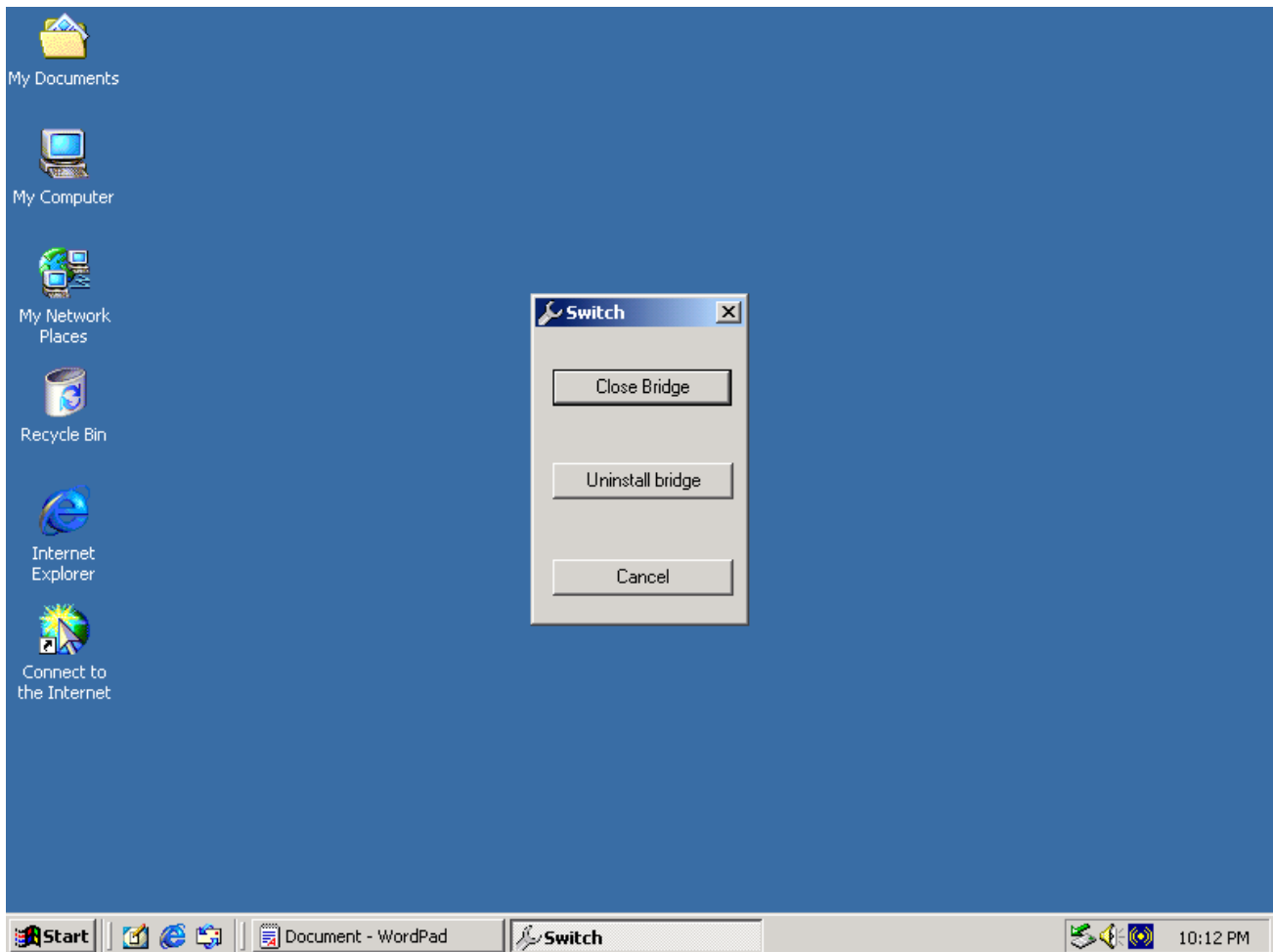
Network Bridge is not available on Windows XP 64-Bit Edition.

2. Bridge-computers are for Windows 2K/ME/98SE(1ST PC)

1. Open Programs\USB Virtual Network



2. Open Bridge



3. Waiting 1 to 3 minutes, the installation is successful.

Troubleshooting

1. System busy for 20 seconds after plug in cable in Windows 98

ANS: At the moment, the symptom may occur depending on your system. Please wait few seconds before your system back to operation.

2. USB network doesn't work in Windows 98

ANS: Go to Property of the USB cable, click on Advance tab then choose Device Mode and set it to "Compatible Mode", then Frame size mode and set it to "Standard mode",

3. System can not shut down properly in windows 98

ANS: Please close Bridge Switch in Windows 98 when you turn off pc

4. Can not connect to internet in Windows XP

ANS: Possible conflict with the other IP Address, please manual setup, please see below :

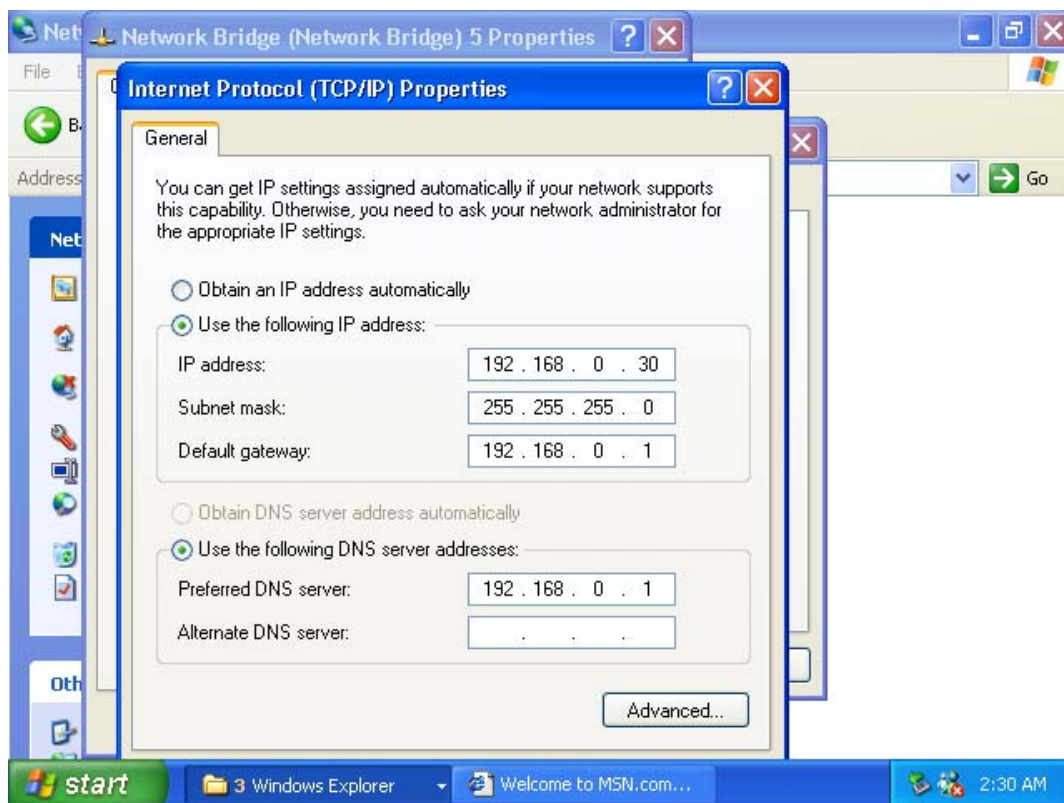
IP address setting is same as Peer-to-peer Internet resource sharing. User have to manual fill into correctly value of bridge connection :

IP address : 192.168.0.x

Subnet mask : 255.255.255.x

Default gateway : 192.168.0.1

Preferred DNS server : 192.168.0.1



Setup first computer which is connected to internet service to share resource to bridge computers or other local computer.

Actually, the setup method is same as peer-to-peer internet service sharing.

Setup other local computers that wonder sharing the internet resource via bridge computers.

The setup method is same as peer-to-peer internet service sharing.

2nd computer share in internet IP address setting is same 1st computer

IP address : 192.168.0.x

Subnet mask : 255.255.255.x

Default gateway : 192.168.0.1

Preferred DNS server : 192.168.0.1

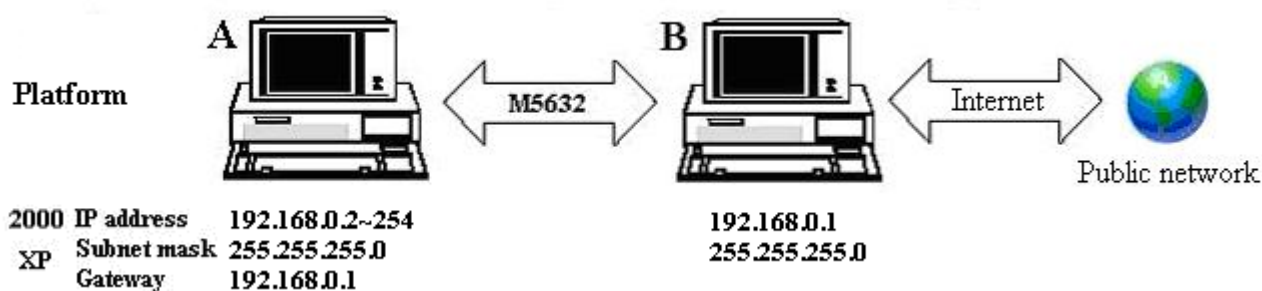
Note : General Internet setting for Peer-to-peer internet connection sharing

- a) User must be logged on as an administrator or a member of the Administrators group in order to complete this procedure.
- b) Under **Internet Connection Sharing**, in **Home networking connection**, select any adapter that connects the computer sharing its Internet connection to the other computers on user's network.
- c) When user runs the **Network Setup Wizard** and enables **Internet Connection Sharing**, certain protocols, services, interfaces, and routes are configured automatically. The following describes these configured items.

Configured item	Action
IP address 192.168.0.1	Configured with a subnet mask of 255.255.255.0 on the LAN adapter that is connected to the home or small office network.
Autodial feature	Enabled.
Static default IP route	Created when the dial-up connection is established.
Internet Connection Sharing service	Started.
DHCP allocator	Enabled with the default range of 192.168.0.1 and a subnet mask of 255.255.255.0. Unique addresses in the range 192.168.0.2 to 192.168.0.254 are allocated to private network clients.
DNS proxy	Enabled.

If users are enabling Internet Connection Sharing on a LAN connection, TCP/IP for the LAN interface that is connected to the Internet must be configured with a default gateway. The TCP/IP addressing for this interface may be a static address or dynamic addressing using DHCP.

For example :



- d) To enable Internet Connection Sharing (ICS) Discovery and Control on Windows 98, Windows 98 SE, and Windows Millennium Edition computers, run the **Network Setup Wizard** from the CD or floppy disk on these computers.
- e) For ICS Discovery and Control to work on Windows 98, Windows 98 Second Edition, and Windows Millennium Edition computers, Internet Explorer version 5.0 or later must be installed.
- f) Internet Connection Sharing is not available on Windows XP 64-Bit Edition.

ANNEX-A : Allowing Internet Gaming on Your Network

To run Internet games between computers through ALi USB Host-networking device module (M5632) and computers on the Internet, you must ensure that the Internet game traffic is forwarded by the network that are between your M5632 module and the Internet. If the network between your M5632 module and the Internet is a computer running Windows XP and Internet Connection Sharing, you must configure Internet Connection Sharing settings to pass the game traffic.

If the network device is a firewall or security gateway, it must be configured to pass the game traffic between your M5632 module and the Internet. In this case, contact your network administrator who will identify the specific type of traffic used by the Internet game and configure the firewall to forward the traffic.

If this configuration is not done, Internet game clients on your network will be unable to connect to Internet game servers on the Internet and Internet game clients on the Internet is unable to connect to Internet game servers on your network.

For example:

