

Network USB 2.0 Server

Quick Start Guide



USB SERVER

Environment Setup

The picture below depicts a sample household Network USB Device use environment. To setup the device, simply plug it into the home/Office network under the same router and power it on. Then it could be shared by all the computers on the same network.

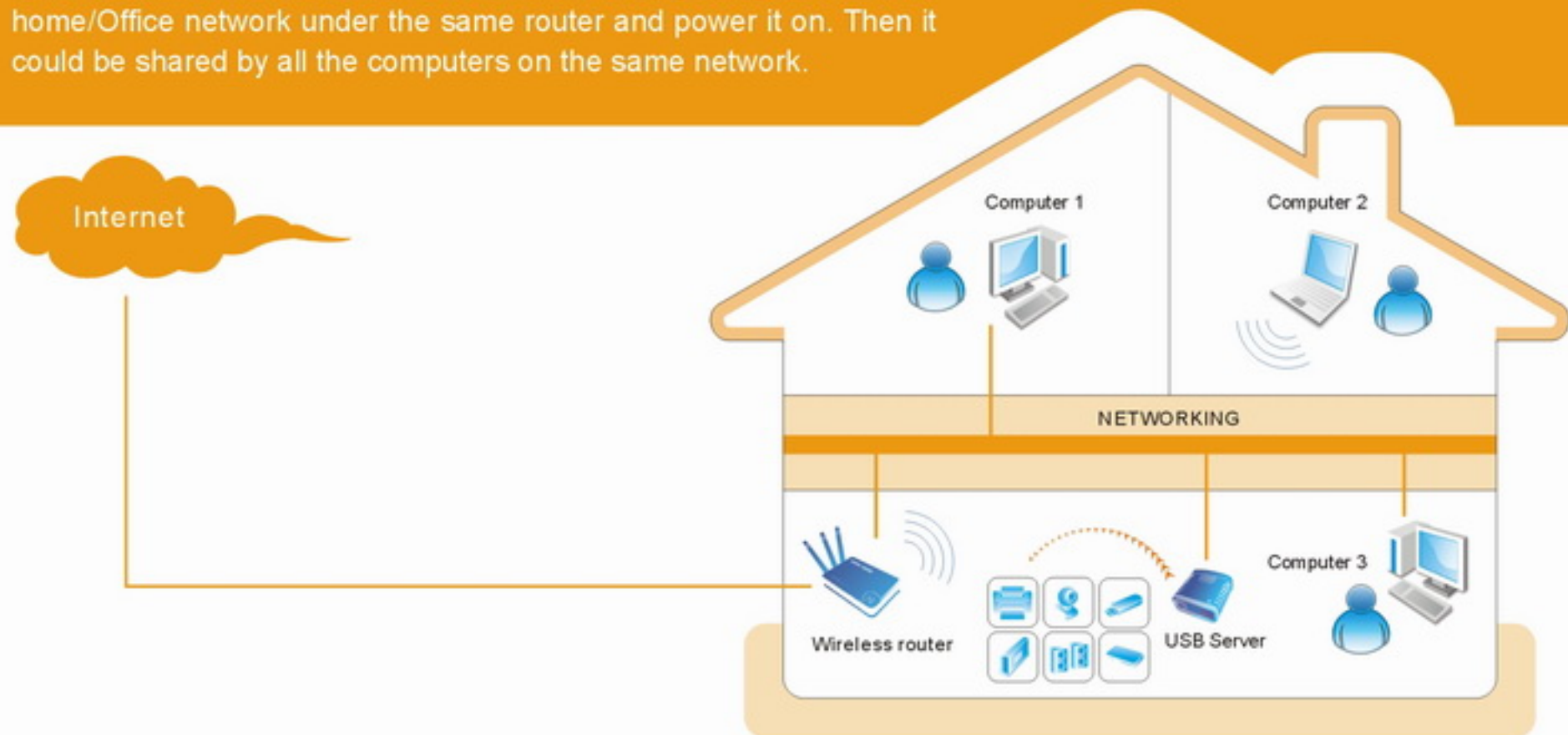


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Introduction

Thank you for purchasing this Network USB 2.0 Server that allows any networked computer to share a USB printer, USB Devices. It complies with USB 2.0 specifications (and is backward compatible with USB 1.1), and provides an auto-sensing Ethernet port that works with either 10Base-T or 100Base-T networks. This unit also supports multiple protocols and multiple operating systems. The built-in web management feature provides more convenience by allowing the user to configure, monitor and even reset the USB server via a web browser.

The Networking USB 2.0 Server enables an external hard drive, flash drive, memory card reader, USB webcam, USB speaker, or USB Multi-Function Printer (MFP) to be shared on a network. With the versatility afforded by the Networking USB Server, users can now enjoy their favorite multimedia content stored on their computer from anywhere in their home or office. A user can attach a standard USB webcam to the Networking USB 2.0 Server as a simple and low cost security monitoring solution for their home and/or small office use.

We hope that you will enjoy using your USB Server and find it to be a useful solution.

Package Contents

This package should contain:

- Networking USB 2.0 Server
- CAT5 Patch Cable
- Power Adapter
- Installation CD
- User Manual

If any items are damaged or missing, please contact your dealer.

Features

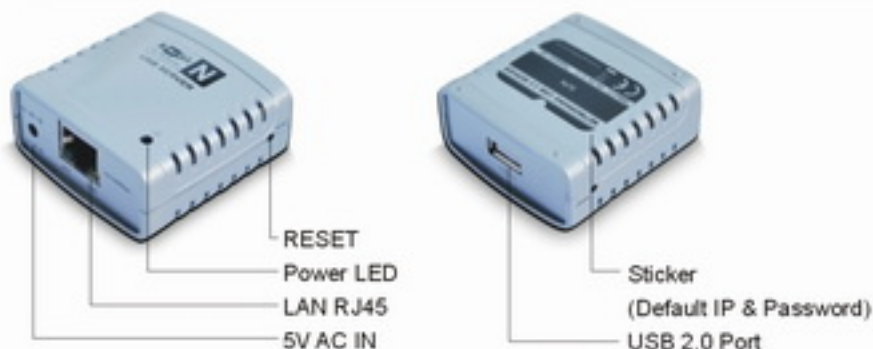
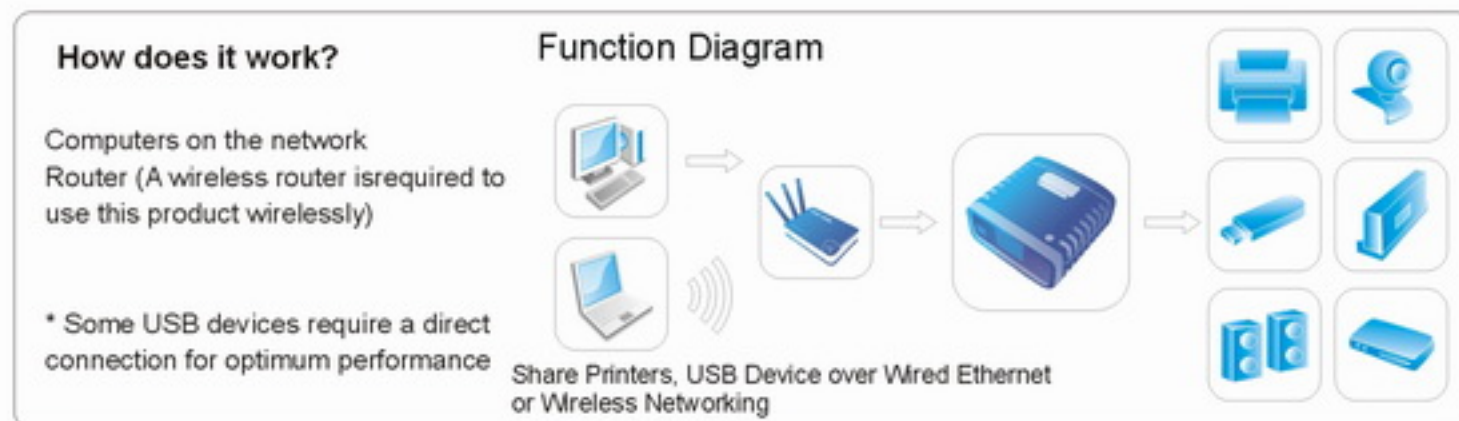
- Easily connects your USB Printer, USB Device to a network
- Allows multiple computers to share USB Printer, USB Device on the network
- Print from any computer on your network
- Supports DHCP Client and multiple network protocols
- 10Base-T/100Base-T auto-sensing
- Supports Web Management software

System Requirements

- Windows 2000/XP/2003/Vista
- Mac OS X 10.5 or later
- Device with a USB connection

Hardware Installation

1. Connect a USB cable from the USB Printer or USB Device to the USB port on the USB Server.
2. Connect one end of the ethernet patch cable to the ethernet port on the USB server.
3. Connect the other end of the ethernet cable to the network. It can be plugged into a router, ethernet Switch/hub, or bridge.
4. Connect the Power adapter to the USB Server.



Networking USB Server Utility / Device Setup

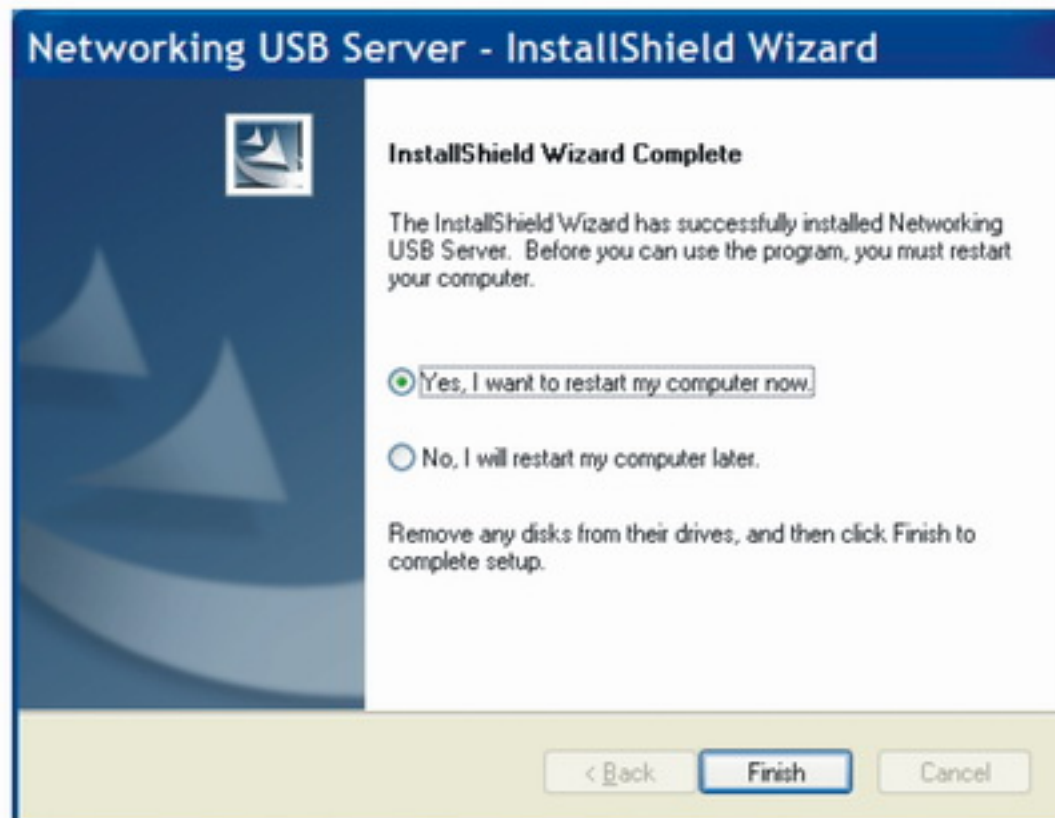
Installation

To install the Networking USB Server Program, please click the [Install Networking USB Server](#)



The installer will automatically install the program. When done click on **Finish** to exit the installer and complete the process.

Select **Yes**, I want to restart my computer now and click **Finish** to reboot your Computer.



Networking USB Server GUI

After the installation completes, a shortcut will be created on your Desktop.



To start the Networking USB Server utility, simply double click on The shortcut.

The Networking USB Server utility looks like this at start up: It shows you some basic information about the utility and a device List that displays all the Network USB Devices you can access.



Device Icons and Significance

Devices usually come in 3 states: online, occupied yourself or occupied by others. Each state is indicated by one icon:

 Device Online and Free for connection	 Device Occupied by yourself
 Device Occupied by other user	 Device Unsupported

Each USB device falls into a category of USB device type.

This software would use a specific icon to represent the device's category as the device reports it:

 USB Multi function printer	 USB Computer device, which is not supported
 USB Single function printer	 USB Audio device, such as USB Speaker
 USB Scanner	 USB input device such as USB keyboard and Mouse

 USB Webcam	 USB Fax Machine
 USB Display Device	 USB Gamepad
 USB Network device, which is not supported	 USB Home Automation device, which is not Supported
 USB Home Security device, Which is not supported	 USB Phone device
 USB Storage device, such as pen drive and external USB HDD	 Other, this type of device does not fall into any of the above categories

NOTE: Each USB device reports its own device type when plugged into the USB Server. This software does not assign device type.

Connecting Device(Configuration Sample: USB Storage Device)

Before you can use a Network USB Storage device, you must first connect to it. You can think of this “Connect” operation as plugging an external USB storage device into your PC.

Please note that, a device can only be connected by ONE user as a time.

There are 3 ways to connect to a free device, right-click on the device and select **Connect** option, use the **Connect** button or simply double click on the device:

The connecting process would take a few seconds. Once connected, the Network USB Storage device would appear under “My Computer” as one of your local drives.



Before Connecting



After Connecting



Then, you can access the data on the Network USB Storage device as you would from a local hard drive on your PC.

Disconnecting Device

Since each Network USB Storage device could only be connected by one user at each time, you should disconnect a device once you are done with it so other users could use it. There are 3 ways to disconnect a device: double-click on the Device on the list, using the **Disconnect** option on the right-click menu or use the **Disconnect** button.

Device Discovery

Device Search and Discovery with Networking USB Server Utility is simple. Simply move the mouse to logo and double-click it or use the **Search** button:

When search is done, ALL of the Network USB Storage device found on your network would be displayed.

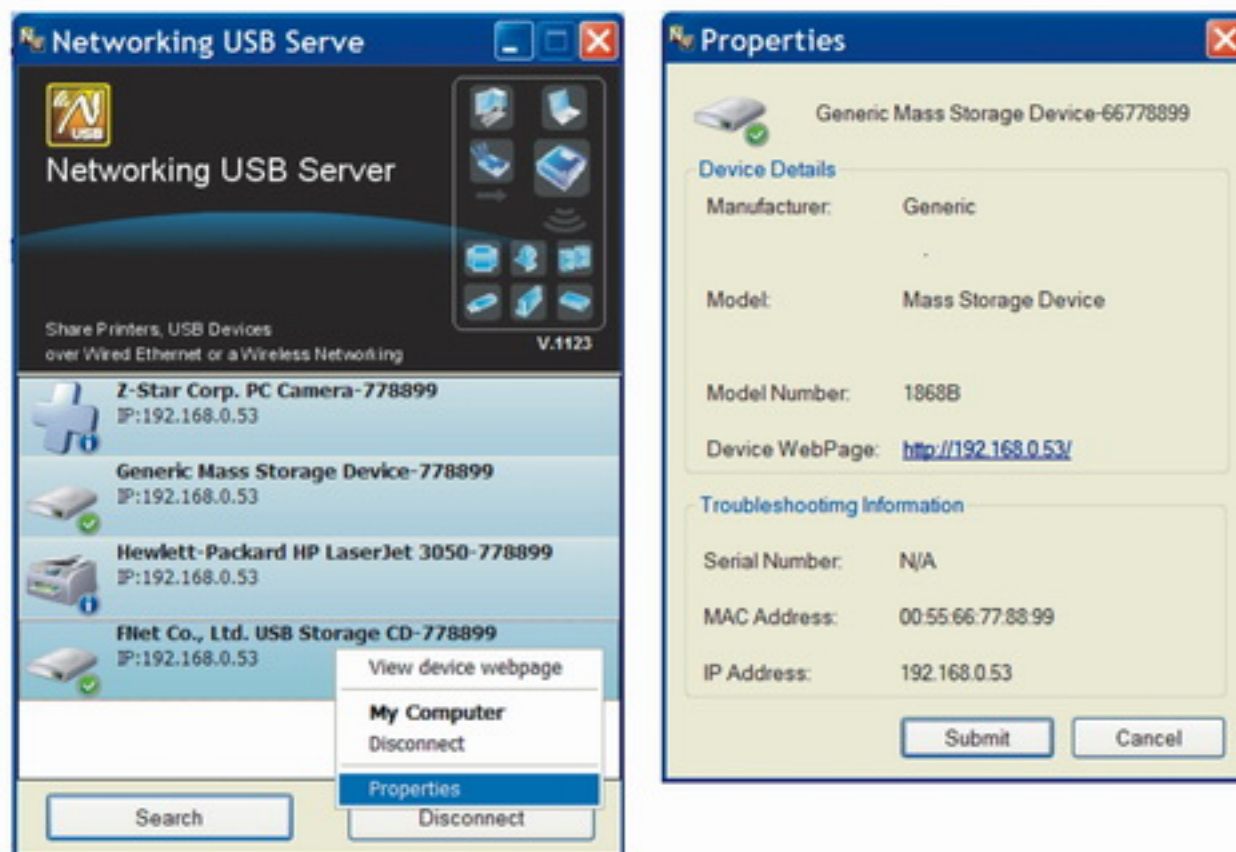
Management

Use the “**View Device Webpage**” option on the right-click menu to open up the web-base UI of a device.



Properties

The “Property” option on the right-click menu displays the detailed information about the Network USB Device.



Device Control Request

To request other user to release a Network USB Storage device, use the **Request Remote to Disconnect** option from the right-click menu.

Of course, this option would only be enabled when the device is currently occupied by someone else.

The current occupied user will see this message pops up:

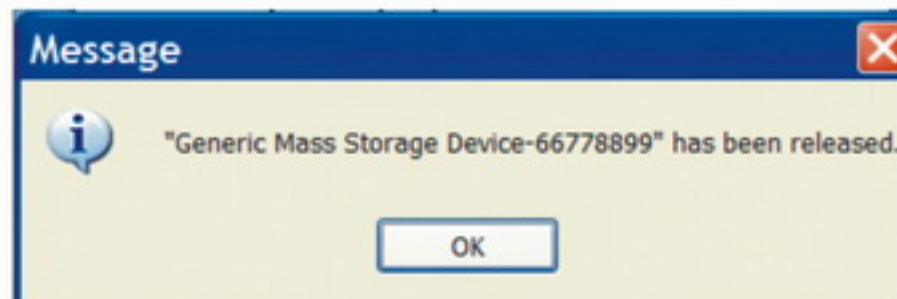


Clicking on **YES** to release the device if you are done, click on **NO** if you are still using it.

The requesting user will see this message if the occupying user releases the device:



Then the device will be free to connect:

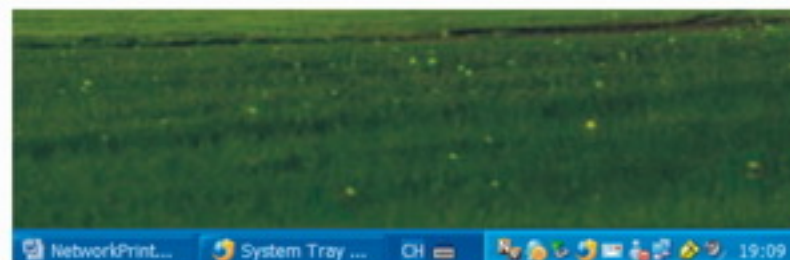


If the occupying user click on **NO** when received the request, requesting user will see this message instead:
The 5 minute rule is to prevent request spamming. That is, to prevent the current occupying user from being flooded with disconnect request in a Short period of time.

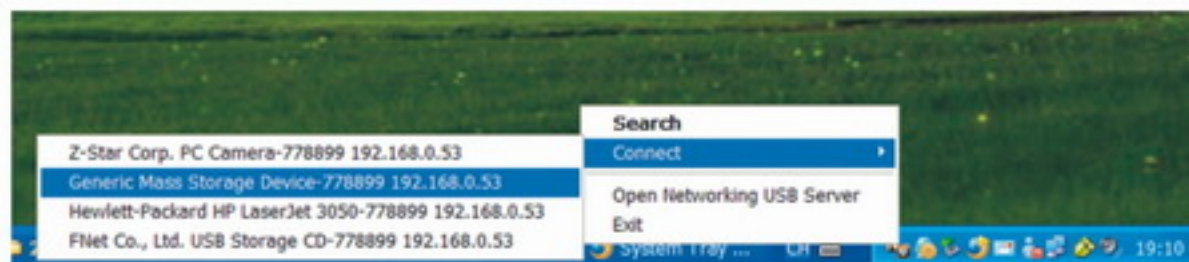


System Tray Icon

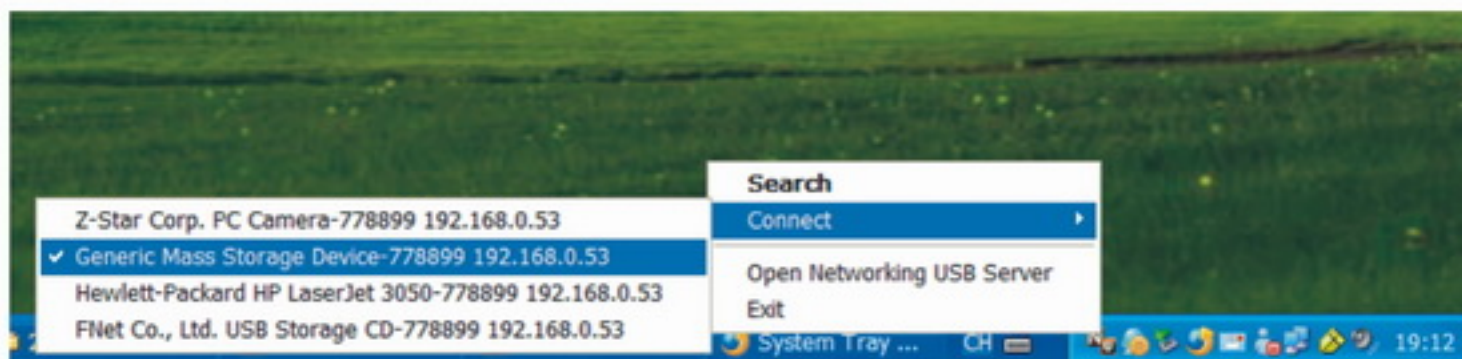
When minimized to system tray, the Networking USB Server Utility will still be running.



Right click on the icon brings up a menu of operations you can still do. As you can see, you can still do Search and Connect. Search is the same. But to connect a storage device, move your mouse to the “Connect” option and a list of Network USB Storage Devices will show up. Simply click on the device you would like to connect to connect it.



When connect, a check mark will appear right next to the device on the device list.



To disconnect the device, simply click on it again.

“Open Networking USB Server” option brings up the main GUI. “Exit” option terminates the utility entirely.

Device Settings

Networking USB Server utility provides some advanced setting function for users to configure the device to better fit their needs. To bring up the configuration dialog, please RIGHT-CLICK on the device you would like to Configure like this,

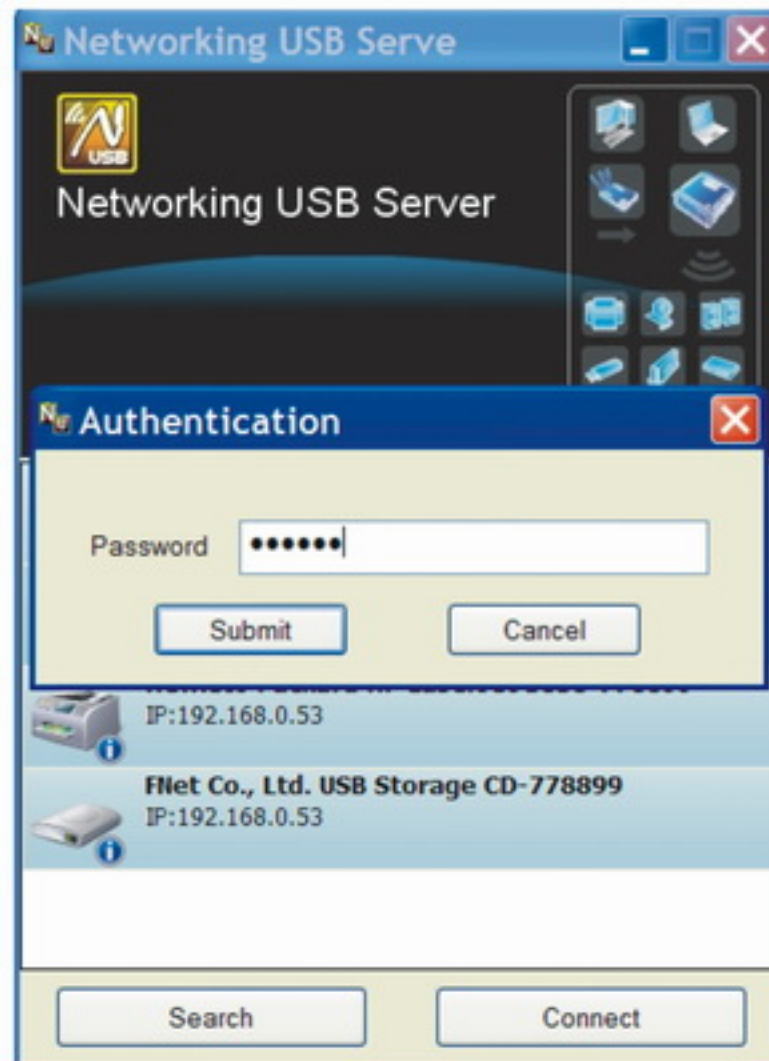
And select the “Setting” option.

NOTE: ONLY A FREE DEVICE IS ALLOWED TO BE CONFIGURED, AND THEREFORE THIS SETTING OPTION ONLY APPEARS ON FREE NETWORK USB DEVICE



If a protective password has been set, this action brings up this dialog:

This dialog box indicates a protective password has been set. In order to access the configuration functions, you must enter the correct password.



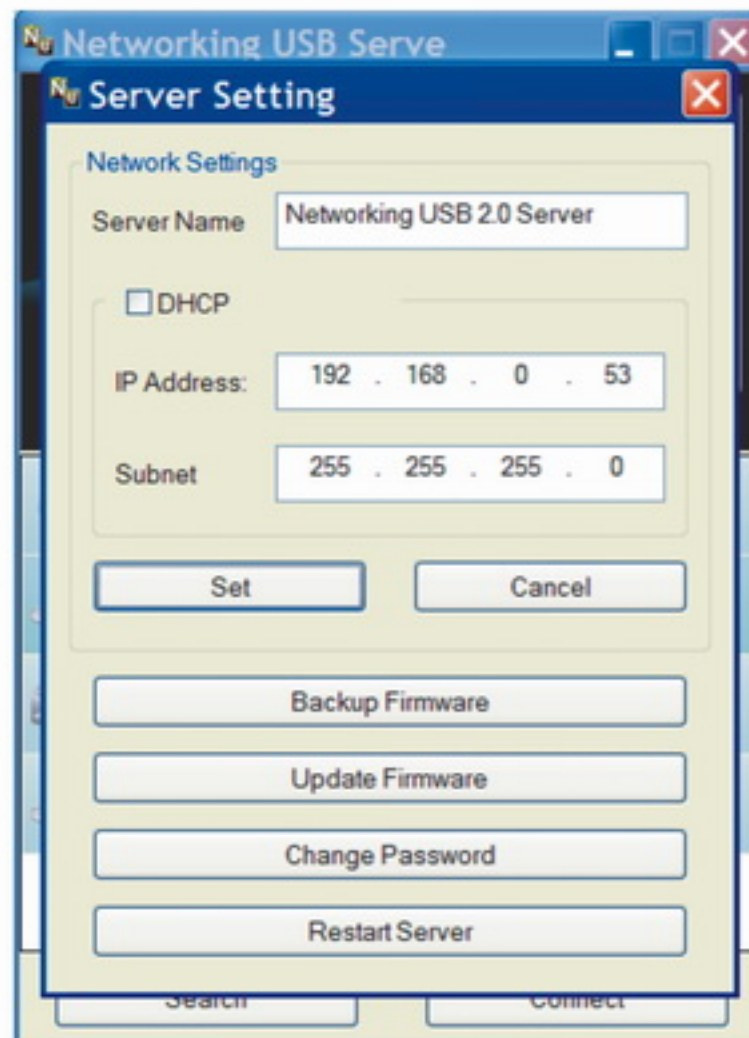
If the correct password has been entered or Password null, you should see this following dialog box:

As you can see, this dialog box comes with many functions and some of these functions are similar to that you see on the web pages.

Set Sever Name and IP Address

First thing you would see is the text filed for you to change the server name and IP address. You may have noticed the "DHCP" check box. When this check box is checked, the fields for you to enter IP address grays out. That is because checking this box meaning you want the server to get IP automatically like your PC does, so the IP address fields grays out. If you are a seasoned network device user and you would like to set the IP address by yourself, simply Uncheck this checkbox:

And you will be able to enter a Fixed IP address for your server. Once you have entered the new server name and IP address, click on "Set" button to finalize the new setting. The "Cancel" button exits this dialog box without doing any thing.



Backup Firmware

Backup firmware function is a fail-save mechanism for the Update Firmware function. You can backup the current firmware of your server and save it on your PC in case you updated the latest firmware and want to revert back for some reasons.

Click on the “Backup Firmware” button and you should see this dialog box:

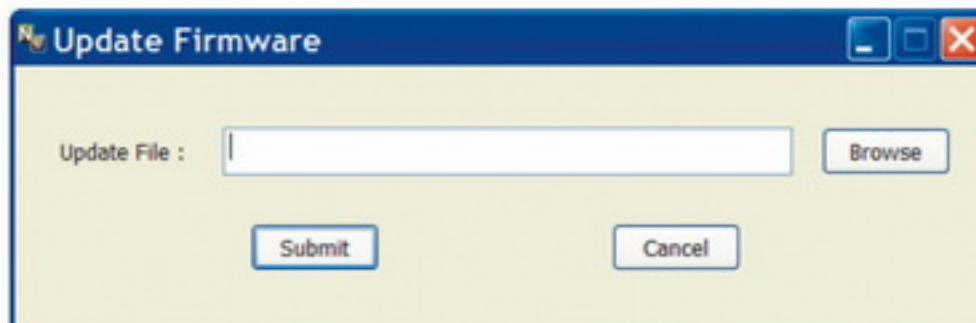


“Browse” button allows you to choose where on your PC you would like to save the backed-up firmware. Once the save location is set, click on “Submit” to start backing up. “Cancel” button exits this dialog box without doing anything.

Update Firmware

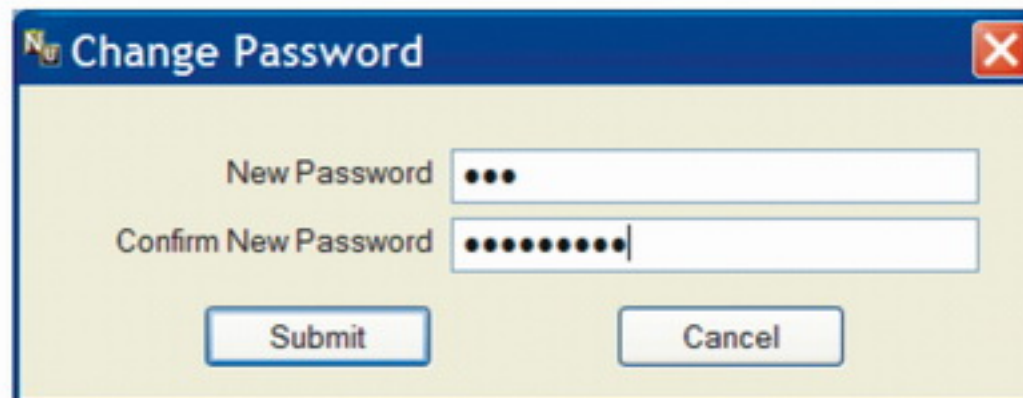
Clicking on the “Update Firmware” button brings up this dialog box:

Clicking on “Browse” to choose the latest firmware your vender provided and then click on the “Submit” to start updating. “Cancel” button exits this dialog box without doing anything.



Change Password

This function allows you to change the current password or set a new password if none has been set. Click on the button to bring up this dialog:



The dialog box is titled "Change Password" and contains two input fields: "New Password" and "Confirm New Password". The "New Password" field contains three dots, and the "Confirm New Password" field contains ten dots. Below the fields are two buttons: "Submit" and "Cancel".

Enter the password you want to set and enter it again for confirmation, then press button to finalize it.

Reset Server

As it suggests, this button resets the server. **Please note that this function will not work if the device is currently occupied.**



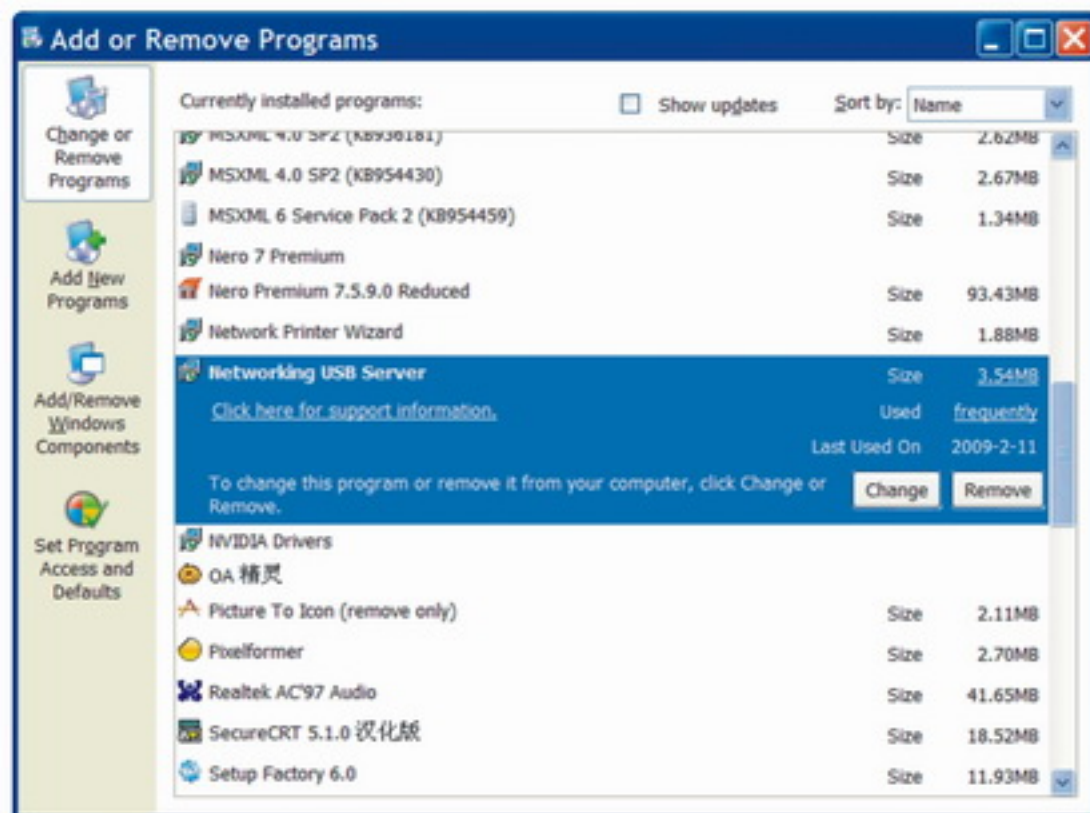
The dialog box is titled "Restarting..." and contains a progress bar with 10 green segments, indicating the server is restarting.

Removing Networking USB Server Utility from your System

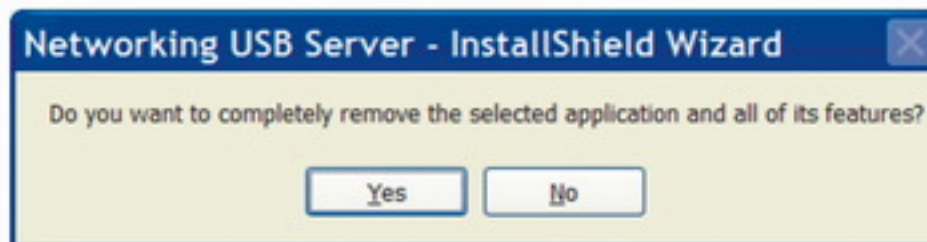
To uninstall Networking USB Server software, please go to Control Panel > **Add or Remove Programs**

Then please browse through the program list and find **Networking USB Server** program

Please select it and click on the **Change/Remove** button. Then the uninstaller will start up and prompt you:

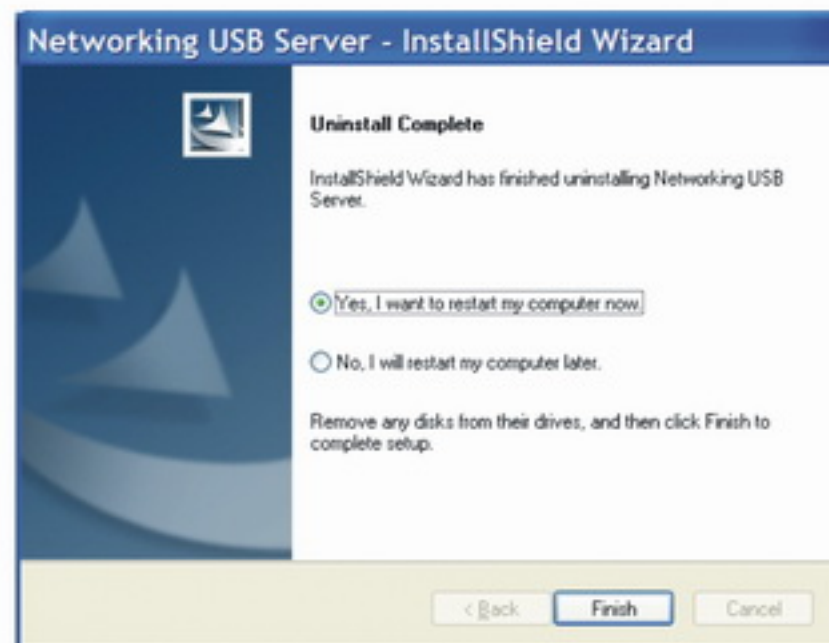


Please click on **Yes**, then the uninstall process will start automatically. Once finished, you will be notified:



Then the installer will prompt you to reboot:

Please select **Yes**, I want to restart my computer **now** **Option and then click on Finish** to restart your computer. This completely uninstalls the Networking USB Server software from your computer.

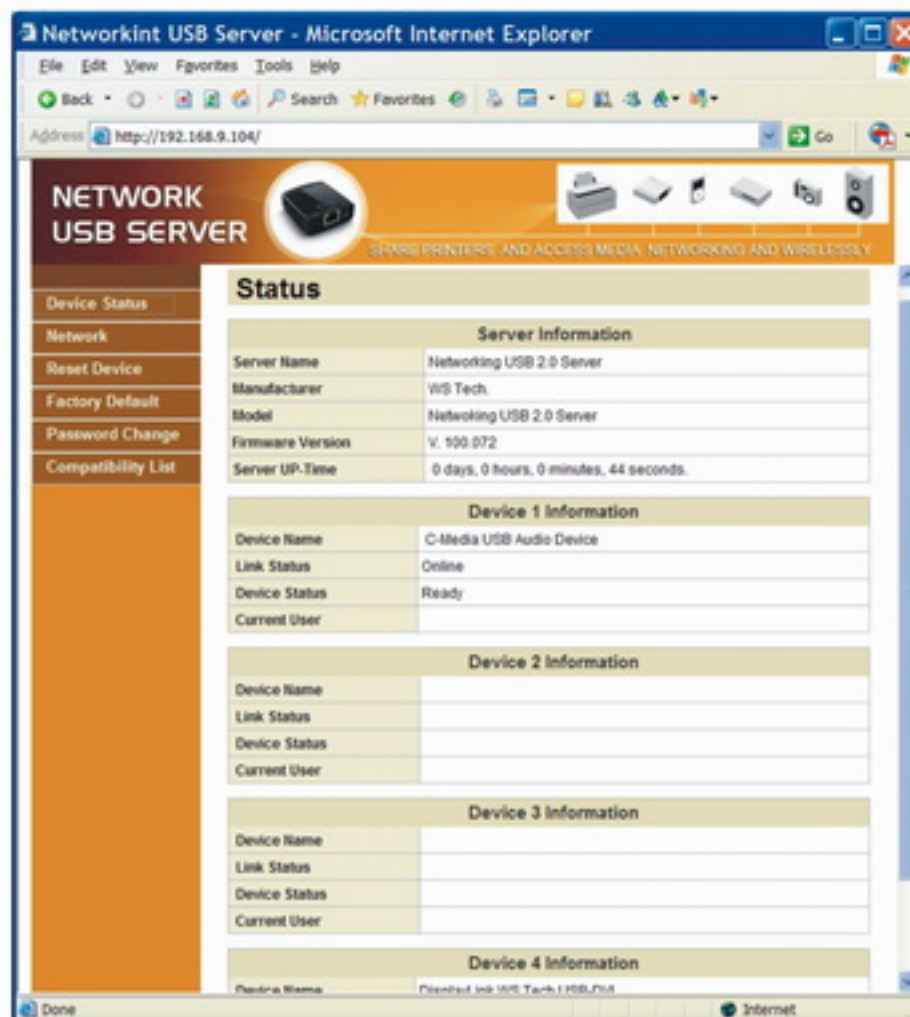


Configuration with Web-based UI

- Default USB Server IP Address can be found at the back of USB Server.
- If Default USB Server IP Address changed, just input new IP Address in web browser.
- Use the “View Device Webpage” option on the USB Server GUI right-click menu to open up the Web-base UI of a device. Configuration methods, Please refer to Management Section in Manual.

Your default web browser will pop up and take you into the web-based configuration UI of the server.

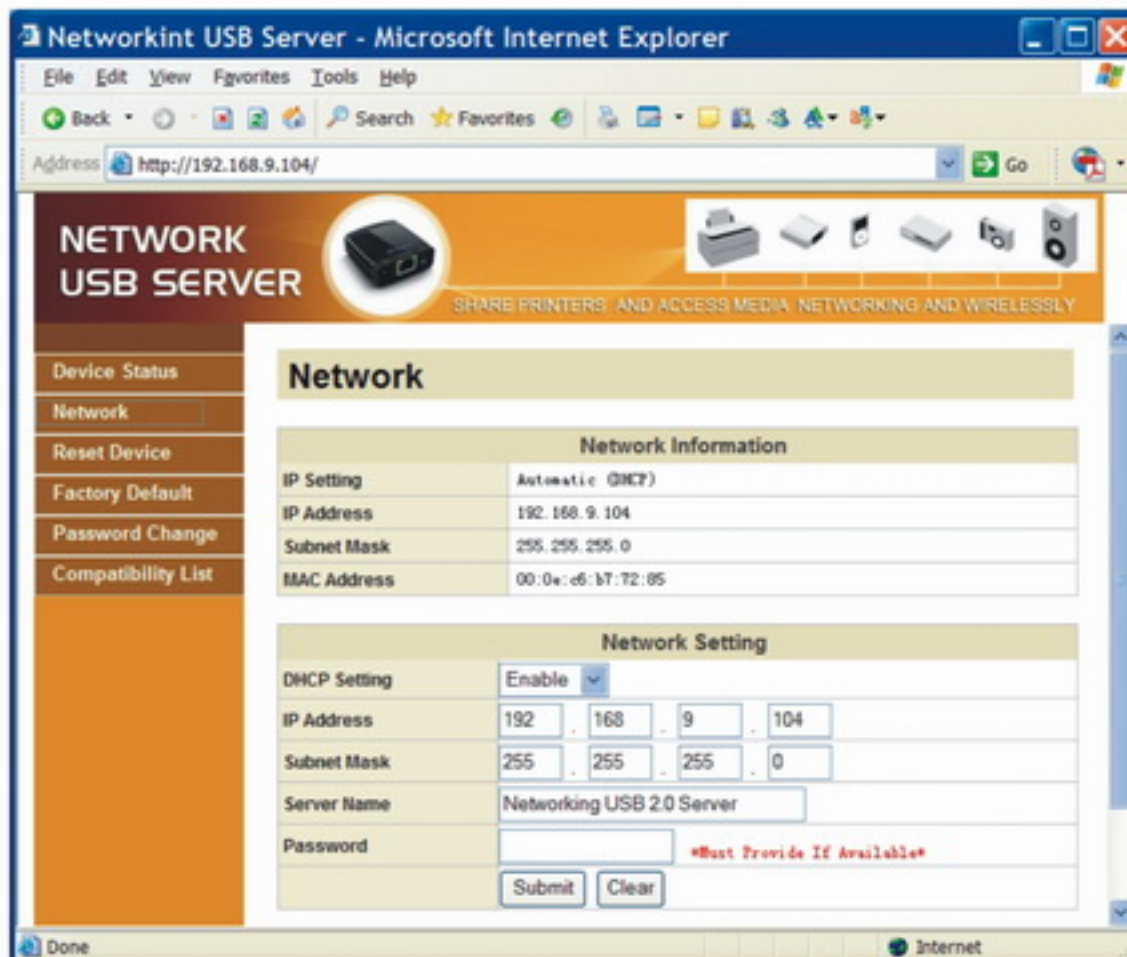
This is the main page of the configuration UI. You can see the important information about the Networking USB Server and the device(s) connected to it. The links at the left-hand side each represents a function. Clicking on “**Device Status**” brings you back to this page, and the other links take you to pages with different functions.



Network Information/Setting

This page displays the current network setting of the server and provides links to the pages where you can perform special actions. You can change the network setting according to your need. However, please note that if you would like to give this server a static IP, please disable the DHCP option. Once you are Done, please click on the “Submit” Button and reboot the server.

NOTE: A Server with busy device(s) connected is prohibited to be configured to prevent interruption of any on-going tasks.



Networkint USB Server - Microsoft Internet Explorer

Address: http://192.168.9.104/

NETWORK USB SERVER

SHARE PRINTERS, AND ACCESS MEDIA NETWORKING AND WIRELESSLY

- Device Status
- Network**
- Reset Device
- Factory Default
- Password Change
- Compatibility List

Network

Network Information	
IP Setting	Automatic (DHCP)
IP Address	192.168.9.104
Subnet Mask	255.255.255.0
MAC Address	00:04:c6:b7:72:85

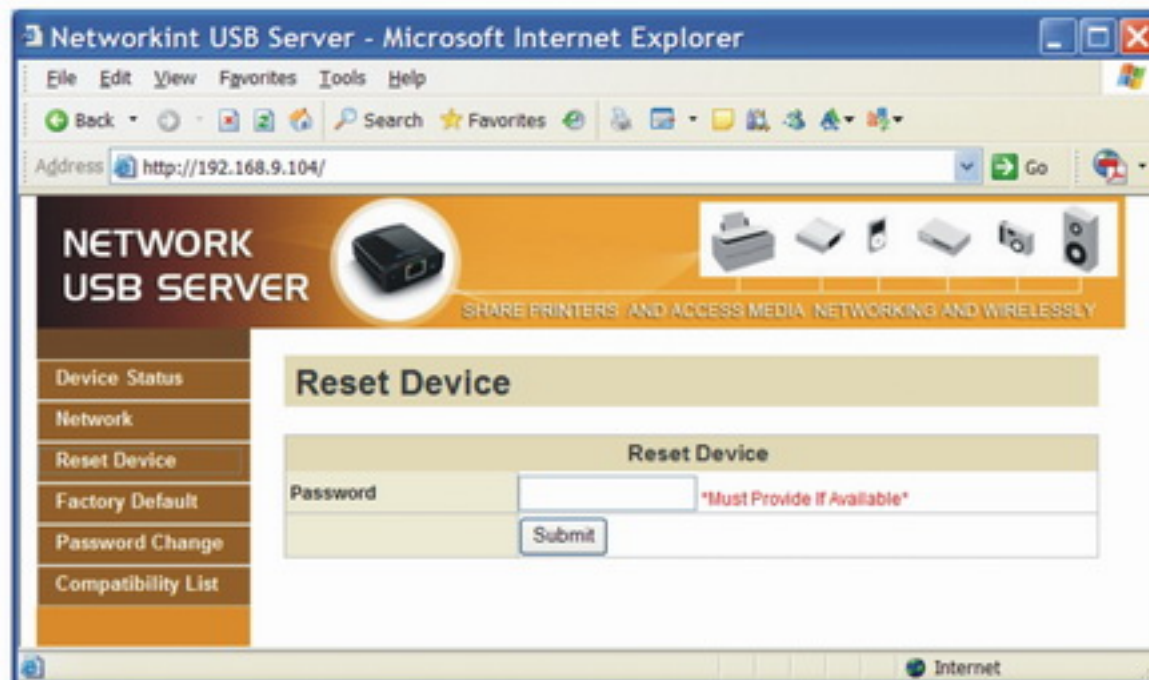
Network Setting	
DHCP Setting	Enable
IP Address	192 . 168 . 9 . 104
Subnet Mask	255 . 255 . 255 . 0
Server Name	Networking USB 2.0 Server
Password	*Must Provide If Available*
Submit Clear	

Done Internet

Server Reset

Clicking on this link takes you the page show below:

With the “[Reset Server](#)” button you can reboot the server. However, if there is a password, you must enter it for this function to work. Password is by default blank. So, unless a password is explicitly set, you do not have to enter anything for the reset function to work.



Factory Default

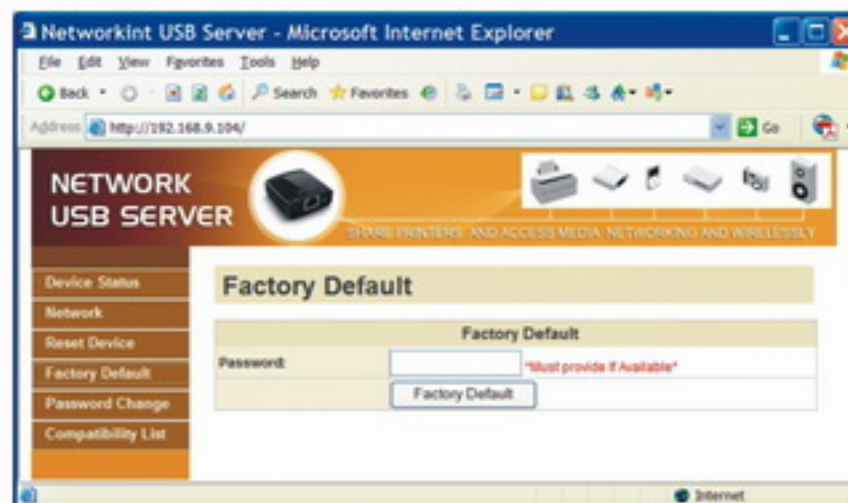
Clicking on this link takes you the page where you can restore the server's settings back to default.

Again, the password is not necessary if no password is set. Just leave the field empty and click on the “Factory Default” button to restore the factory Default settings.

Change Password

Clicking on this link takes you to the password update page below:

To change the password, you must enter current Password, input new password and re-input new password for confirmation and then click on “Submit” . If you are setting the password for the first time, you don't Have to provide current password.



Printer Setup on Windows 2000/XP/VISTA

Provides a straight forward and easy-to-use utility that helps you to set up USB printers connects to LPR Printer server as network printers, Network Printer Wizard. This utility reduces the dozens of steps in setting up network printer via Windows build-in printer setup program to a few point-and-clicks with the mouse. Users no longer need to deal with the confusing IP setting, queue name entering and port configuration.

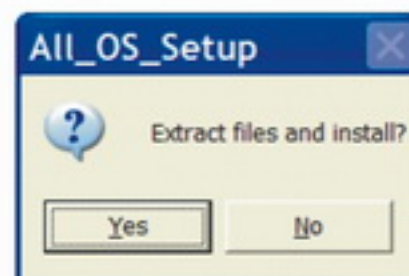
Network Printer Wizard Installation

To start the installation, please click on the [Install Networking Printer Wizard](#):

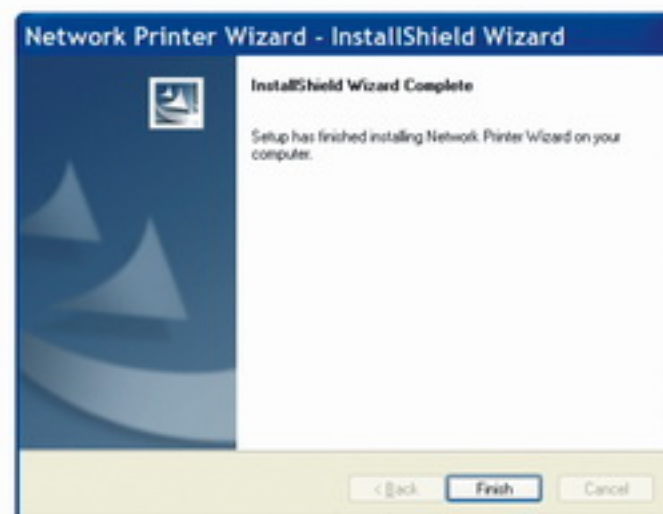


Wait for the installer to run

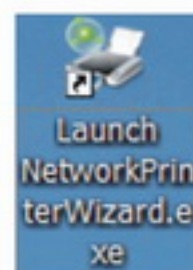
Extract Files and install? click on Yes:



Click on **Finish** to exit installer once installation completes:



The installer creates a shortcut on the Desktop for you:



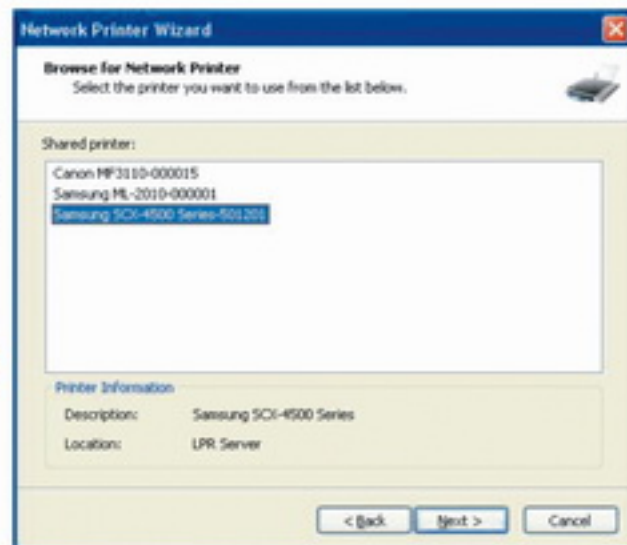
Network Printer Wizard Setup

1. Now we can start setting up your printer. Please click on the Launch Network Printer Wizard icon created on The desktop.

2. Please click on **Next** to continue when you see this welcome dialog box.

3. Please select the printer you would like to setup on this list and then Click on **Next**. The number of printers you see on this list depends on the number of printers that are connected to your network. If you only have one printer on the network, you see only one printer on this list.

If you don't see any printers, please make Sure your printers and USB LPR Printer Server is correctly powered on and connected to the Network.

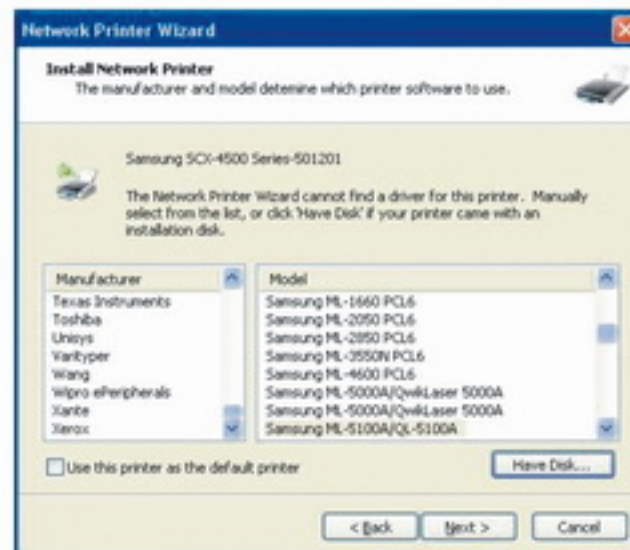


4. On the next dialog box, please select the driver from the list if it's there, and then click on the **Next** button and go to **step 7**. Else, read on. If you can't find the target printer's driver on the list, please insert the disk containing the printer's driver, click on **Have Disk...** button then go to step 5.

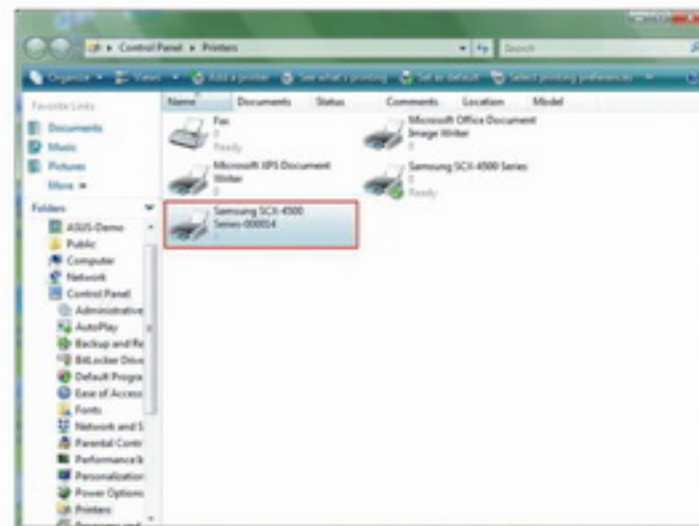
5. You must browse to the folder that contains the driver for your printer and click on **OPEN** to use it:

6. Then, select the driver from the list again and then click on the **Next** button. If you didn't select the correct driver, here is the chance for you to verify. Please click on **Have Disk** again to re-select.

7. Once you have selected the correct driver from the list, please click on **Finish** button. The wizard might take a minute to setup the network printer for you.



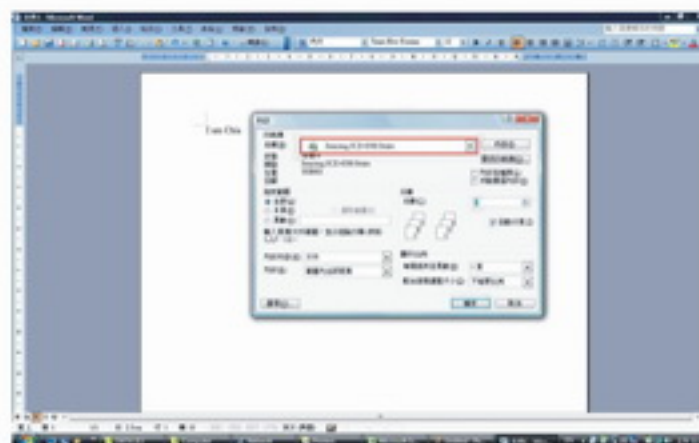
8. After the printer has been setup correctly, you can see it under **Control Panel > Printers:**



Now you can print any document using the printer you just setup:

If you have more than one printer set up, please make sure you have selected the correct printer to print.

NOTE: REMEMBER, THIS SETUP IS A ONE-TIME THING. YOU DO NOT HAVE TO RUN THIS PROCESS EVERY TIME YOU WANT TO PRINT. HOWEVER, OF COURSE, IF YOU REMOVE THE NETWORK PRINTER WIZARD PROGRAM, YOUR PRINTER SETUP WILL NO LONGER WORK.



Remove the Printer Setting

To remove the printer setup, please go to the **Control Panel > Printers** dialog box and remove the printer entry from it.

Simply **Delete** this icon by pressing **Del** key on your keyboard. Then it will be removed from the list of usable printers when you print document.

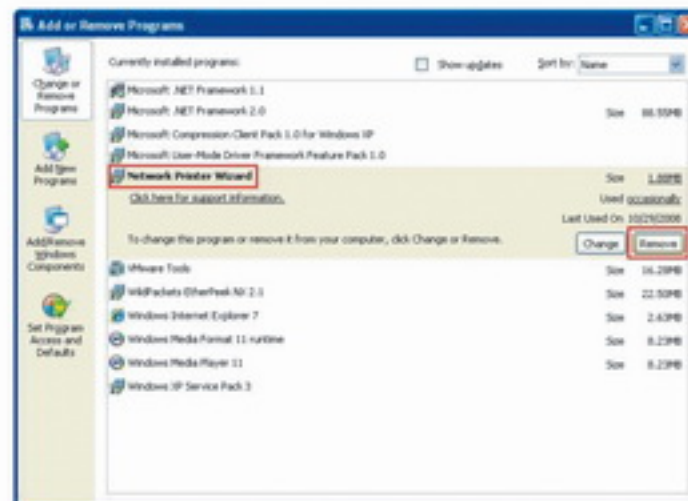
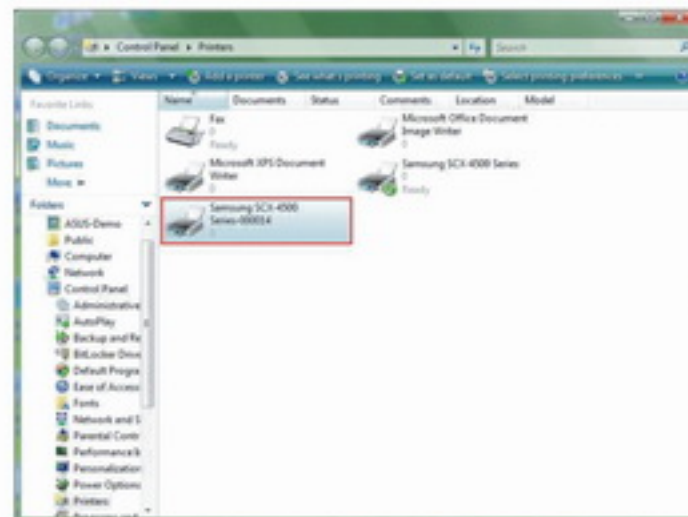
Remove the Program

To remove the Network Printer Wizard program, please go to the **Control Panel > Add or Remove Programs (Programs and Features)** on Windows VISTA)

Then select to remove the program

Then follow the instructions of the installer complete the removing process:

PLEASE NOTE: Once you remove this problem, you will no longer be able to print using the printers you setup with Network Printer Wizard



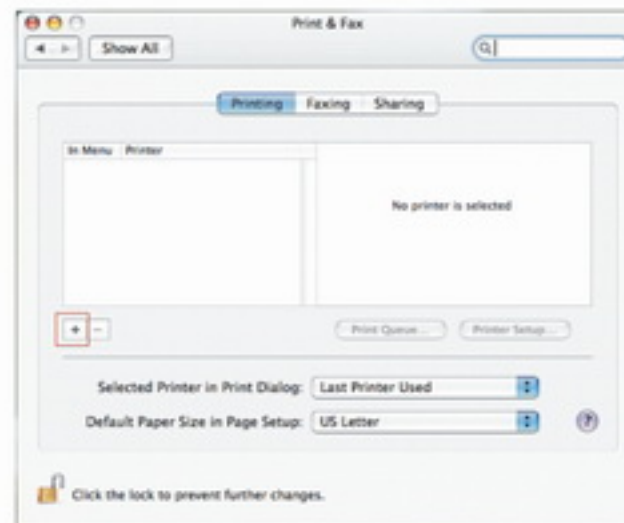
Printer Setup on Mac OS X™

1. MAC OS by Apple Inc. comes with a built-in utility very similar to Network Printer Wizard. To start, please go to “System Preferences” on the Dock menu:

2. Once you have the “System Preferences” window up, please Locate the “Print & Fax” item:

Double click on “Print & Fax” to start selecting printer for installation.

3. This window shows you the printers that have been installed on your Mac. To install a new printer, please click on the “+” button to select printers.

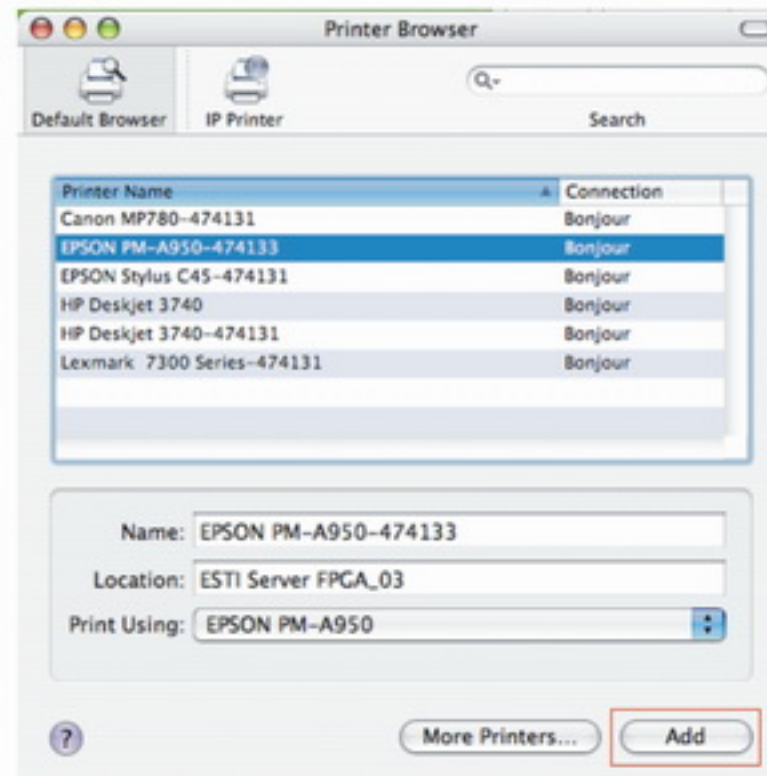


4. Select the printer you would like to setup from the list. The number of printers you see on this list depends on the number of printers that are connected to your network. If you only have one printer on the network, you see only one printer on this list.

If you don't see any printers, please make sure your printers and Networking LPR Printer Server is correctly powered on and connected to the network

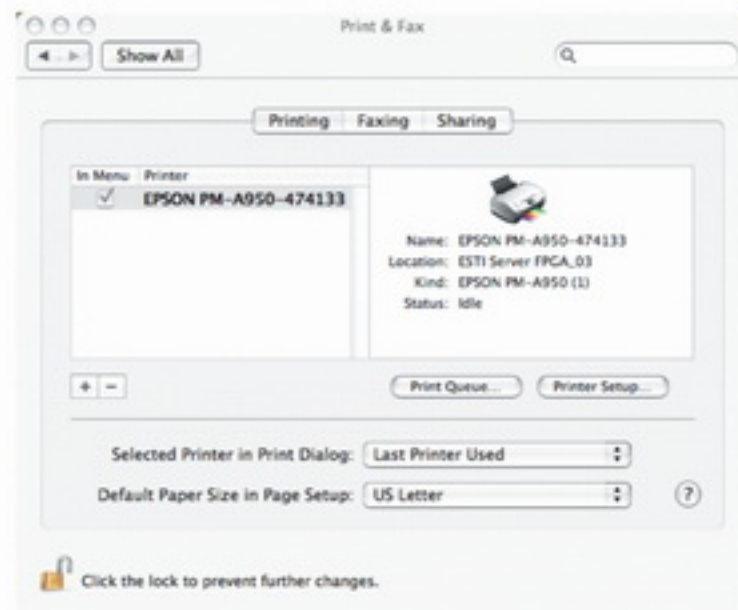
5. As you select the printer to install, Bonjour will select the Correct printer driver for you and is shown at the "Print Using:" field:

Once you have highlighted the printer to install, click on **Add** button to install it.



6. Once installation is done, you should be able to see this on your “Print & Fax” window: You will see that the A950 printer appeared on the available printer list. You can now use this Printer for printing your documents or pictures.

NOTE: REMEMBER, THIS SETUP IS A ONE-TIME THING. YOU DO NOT HAVE TO RUN THIS PROCESS EVERY TIME YOU WANT TO PRINT.



7. When printing your document, simply select the printer you just setup on the available printer list:



Removing the Printer Setting

1. To remove a printer setting, please go to your Printer and FAX again:

Select from the available printer list on the left and then click on the “-” button to remove it.



2. Once removed, the printer will disappear from the list

And when you print document, you will not be able to select it anymore.



Networking USB LPR Printer Compatibility List

USB LPR Printer			Update: 11/12/2008	
No	Brand	Model Name	XP	Vista
			LPR*	LPR*
1	Brother	HL 2040	Pass	Pass
2	Brother	MFC 3320CN	Pass	Pass
3	Brother	MFC 3820CN	Pass	Pass
4	Canon	ImageClass MF3110	Pass	Pass
5	Canon	ImageClass MF3112	Pass	Pass
6	Canon	ImageClass MF3220	Pass	Pass
7	Canon	ImageClass MF3222	Pass	Pass
8	Canon	iP100	Pass	Pass
9	Canon	iP2500	Pass	Pass
10	Canon	iP6700D	Pass	Pass
11	Canon	iP7500	Pass	Pass
12	Canon	iP90	Pass	Pass
13	Canon	iP90v	Pass	Pass
14	Canon	LBP3200	Pass	Pass
15	Canon	MP110	Pass	Pass
16	Canon	MP130	Pass	Pass
17	Canon	MP145	Pass	Pass
18	Canon	MP150	Pass	Pass
19	Canon	MP160	Pass	Pass
20	Canon	MP170	Pass	Pass
21	Canon	MP180	Pass	Pass
22	Canon	MP450	Pass	Pass
23	Canon	MP460	Pass	Pass
24	Canon	MP470	Pass	Pass
25	Canon	MP510	Pass	Pass
26	Canon	MP520	Pass	Pass
27	Canon	MP600	Pass	Pass
28	Canon	MP610	Pass	Pass
29	Canon	MP810	Pass	Pass
30	Canon	MP830	Pass	Pass
31	Canon	MP960	Pass	Pass
32	Canon	MP970	Pass	Pass

33	Canon	MX308	Pass	Pass
34	Canon	MX700	Pass	Pass
35	Canon	MX7600	Pass	Pass
36	Canon	MX850	Pass	Pass
37	Canon	Pro9000	Pass	Pass
38	Canon	Pro9500	Pass	Pass
39	Canon	Satera MF4010	Pass	Pass
40	Canon	Satera MF4150	Pass	Pass
41	Dell	Photo 720	Pass	Pass
42	EPSON	AL-C900	Pass	Pass
43	EPSON	EPL-5800	Pass	Pass
44	EPSON	EPL-N2500	Pass	Pass
45	EPSON	PM-100	Pass	Pass
46	EPSON	PM-3700C	Pass	Pass
47	EPSON	PM-A840	Pass	Pass
48	EPSON	PM-A840S	Pass	Pass
49	EPSON	PM-A950	Pass	Pass
50	EPSON	PM-G4500	Pass	Pass
51	EPSON	PM-G5300	Pass	Pass
52	EPSON	PM-G860	Pass	Pass
53	EPSON	PM-T940	Pass	Pass
54	EPSON	PM-T960	Pass	Pass
55	EPSON	PM-T990	Pass	Pass
56	EPSON	PX-501A	Pass	Pass
57	EPSON	PX-5600	Pass	Pass
58	EPSON	PX-5800	Pass	Pass
59	EPSON	PX-A640	Pass	Pass
60	EPSON	PX-A740	Pass	Pass
61	EPSON	PX-FA700	Pass	Pass
62	EPSON	PX-V780	Pass	Pass
63	EPSON	Stylus C45	Pass	Pass
64	EPSON	Stylus C61	Pass	Pass
65	EPSON	Stylus C65	Pass	Pass
66	EPSON	Stylus C66	Pass	Pass
67	EPSON	Stylus C67	Pass	Pass

68	EPSON	Stylus C90	Pass	Pass
69	EPSON	Stylus CX3500	Pass	Pass
70	EPSON	Stylus CX3700	Pass	Pass
71	EPSON	Stylus CX3810	Pass	Pass
72	EPSON	Stylus CX4700	Pass	Pass
73	EPSON	Stylus CX4800	Pass	Pass
74	EPSON	Stylus Photo 2200	Pass	Pass
75	EPSON	Stylus Photo 830	Pass	-
76	EPSON	Stylus R320	Pass	Pass
77	EPSON	Stylus R510	Pass	-
78	HP	Deskjet 3744	Pass	Pass
79	HP	Deskjet 3745	Pass	Pass
80	HP	Deskjet 640C	Pass	Pass
81	HP	Deskjet D2360	Pass	Pass
82	HP	Deskjet D2460	Pass	Pass
83	HP	Deskjet D3745	Pass	Pass
84	HP	Deskjet D4160	Pass	Pass
85	HP	Deskjet D4260	Pass	Pass
86	HP	Deskjet F300	Pass	Pass
87	HP	Deskjet F340	Pass	Pass
88	HP	Deskjet F350	Pass	Pass
89	HP	Deskjet F370	Pass	Pass
90	HP	Deskjet F379	Pass	Pass
91	HP	Deskjet F380	Pass	Pass
92	HP	LaserJet 1010	Pass	N/A
93	HP	LaserJet 1015	Pass	N/A
94	HP	LaserJet 1018	Fail	Fail
95	HP	LaserJet 1020	Fail	Fail
96	HP	LaserJet 2600n	Fail	Fail
97	HP	LaserJet 3030	Pass	Pass
98	HP	LaserJet 3050	Pass	Pass

99	HP	LaserJet 3050z	Pass	Pass
100	HP	LaserJet 3330	Pass	Fail
101	HP	LaserJet 3380	Pass	Fail
102	HP	Officejet 5510	Pass	Pass
103	HP	Officejet 5610	Pass	Pass
104	HP	Photosmart 3110	Pass	Pass
105	HP	Photosmart 3210	Pass	Pass
106	HP	Photosmart 3310	Pass	Pass
107	HP	Photosmart 335	Pass	Pass
108	HP	Photosmart 8030	Pass	Pass
109	HP	psc 1210	Pass	Pass
110	HP	psc 1315	Pass	Pass
111	HP	psc 1402	Pass	Pass
112	HP	psc 1410	Pass	Pass
113	HP	psc 1510	Pass	Pass
114	HP	psc 1610	Pass	Pass
115	HP	psc 2410	Pass	Pass
116	HP	psc 2510	Pass	Pass
117	LEXMARK	1270(w internal hub)	Fail	Fail
118	LEXMARK	E120n	no ink	no ink
119	LEXMARK	p4350	Fail	Fail
120	LEXMARK	p6250	Fail	Fail
121	LEXMARK	x2650	Fail	Fail
122	LEXMARK	x3470	Fail	Fail
123	LEXMARK	x3550	Fail	Fail
124	LEXMARK	x4270	Fail	Fail
125	LEXMARK	x7350	Fail	Fail
126	Samsung	ML2010	Pass	Fail
127	Samsung	SCX-4500	Pass	Pass

N/A: Not Support

Fail:

Other USB Devices Compatibility List, Please find the details through Driver's CD or Web-based UI Inter



USB SERVER

Network USB 2.0 Server



USB LPR Print Server



USB 2.0 Server M1



USB 2.0 Server M4



USB 2.0 Server M4



Wireless 11N USB 2.0 SOHO
Manager M4