



USB Device Server User Manual

Model Number: *US-S2, US-S4, US-S4+*

Installation Guide

Coolgear, Inc.

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Contents

INTRODUCTION	4
FEATURES.....	5
SPECIFICATIONS	6
INSTALLATION	9
Step 1 - Connect the USB Device server to your network.....	9
Step 2 - Connect the USB Device server's power supply/Read the LEDs	9
Step 3 - Connect the USB devices to USB Device server	9
WEB CONSOLE CONFIGURATION INTERFACE.....	10
Open the Web Console Configuration Interface for USB Device server	10
Server Status	12
Device	13
Devices Settings.....	14
USB device does not connect.....	14
USB device waiting for connect.....	14
USB device shared for client computer	16
USB devices settings	16
Disconnect shared USB device manual option	17
Network	18
Network Setting.....	19
Change USB Device server's name	19
Default IP Address Type (DHCP).....	19
Setting Static IP Address	20
Update Firmware.....	21
Reset Device	22
Password Change	23
RUNNING USB Device Server SOFTWARE PROGRAM.....	24
Running USB Device server Software Program in Client Computer	27
Running USB Device server Software Program in CLIENT Mode	28
Connect Remote Shared USB Devices to your Computer	32
Disconnect Remote Shared USB Devices from your Computer.....	34
Other Buttons in CLIENT Mode	35
"Add Server" Button	35
"Add Device" Button.....	37
"Remove" Button	38

“Status” Button	39
“Refresh” control button	39
“Minimize” control button	40
USB Device server SOFTWARE UNINSTALLATION.....	41
Uninstalling USB Device server Software Program	41
Additional Information	43
USB Device server Status LEDs	43
Hardware Restore Factory Default Button	44
Hardware Reset Button	44

INTRODUCTION

The USB Device Server is a network-enabled USB Device server for connecting four USB devices over the 10/100 Mbps Ethernet network running TCP/IP. By adding this USB to Ethernet server device to LAN, you can network-enable USB devices. It breaks the traditional five-meter USB cabling distance limitation. With this implementation, USB devices connected to USB Device Server can be made available to remote clients over LAN without a locally attached host PC.

The USB Device Server provides the capability of USB devices network sharing across any network including Ethernet, WAN, VLAN, VPN and the Internet. The USB devices connected can be accessed and shared over Ethernet by multiple remote client computers. This USB Device Server makes it possible to share the USB devices, and it makes them available to remote computers connected from anywhere in the world. By adding the USB Device Server connected to LAN, WAN, or the Internet, you can then share the USB devices plugged into the device. The authorized users are allowed to remotely connect and use shared USB devices from anywhere, regardless of their distances and locations. Unlike many other USB over IP Servers, with their limitation for usage only on the same network but not functioning over different networks, the USB Device Server provides flexibility and ease to allow USB ports sharing across different networks and over the Internet easily. You and other users can connect, access and share the USB devices conveniently, no matter if you are in an office next door, or in another cities, or even in different countries.

With simple and user-friendly interface, the USB Server program is very easy to install and use. There are no complicated settings to be configured, and nor do you need to change any of your existing network configurations. Only a few simple steps will take you instantly to make the USB devices ready to share over any network. Likewise, it is very easy for the client computers to find and connect to all the available remote shared USB devices. To secure the connection between shared USB devices and remote client computers, password authorization is implemented for controlled access. Only authorized clients are permitted to access specified USB devices remotely. In addition, traffic encryption provides further protection on data security and keeps all the information safe to secure connection. Data compression features are also available to accelerate data transfer speed.

This USB Device Server is a professional solution to redirect USB devices to remote computers on the network. It provides a convenient and efficient way for USB devices to remote connectivity. The USB Device Server software provided works with Windows 11, 10, 8.1, 8, 7, Vista, XP, ME, 2000, Windows Server 2016 and Linux.

FEATURES

- Extends USB cable distance beyond five meters
- Supports wide variety of USB devices
- Compatible with bulk, interrupt and isochronous type USB devices
- Provide plug and play function akin to an on-board USB port
- Empowers USB ports with USB device networking and sharing functionality
- Allows USB devices to be accessed and shared by multiple client computers over network or across the internet
- Network-enables remote USB peripherals and devices as if they were connected directly to the local PC
- Supports a wide variety of USB devices, i.e. printers, fingerprint readers, scanners, barcode scanners, ID card scanners, security dongles, USB dongles, hard drives and flash drives, USB to RS-232/422/485 adapters, iPhones, iPads, Android devices and many more
- USB plug-and-play and hot-swap functions same as onboard USB ports
- User-friendly and convenient USB Server software program with client functionality
- Shares your USB devices over a network automatically
- Password authorization and traffic encryption for data security and safety
- Any authorized users in an office next door or in another country may remotely access your USB devices through USB Server app client
- Able to share USB security software protection dongles conveniently using features of USB Server software program
- Multiple transaction translator (TT) architecture to each USB downstream (DS) port
- LEDs for power, Ethernet indication

SPECIFICATIONS

The tables below show the hardware specifications of the US-S2:

Function		Specification
Ports	USB Downstream	two (USB2.0)
	Ethernet	One (10/100Mbps)
LEDs	Power	One (Power on)
	Ethernet Port Status	Two (Link and Speed)
	USB Port Status	Four (USB2.0 Port Status)
Power Mode		Self-power mode
Output Voltage (per port)		+5VDC
Output Current (per port)		500mA maximum
Operating Temperature		0°C to 45°C
Storage Temperature		-20°C to 70°C
Humidity		0 to 90% RH. Noncondensing
Safety Approvals		CE, FCC
Housing		Plastic case
Weight		110g
Dimensions		106mm × 97mm × 32mm (L × W × H)
Input Power Range		9Vdc ~ 48Vdc
Power Consumption		1000mA@12VDC(Fully Load) 200mA@12VDC(no Load)
Utility		USB Device Sever software

The tables below show the hardware specifications of the US-S4:

Function		Specification
Ports	USB Downstream	Four (USB2.0)
	Ethernet	One (10/100Mbps)
LEDs	Power	One (Power on)
	Ethernet Port Status	Two (Link and Speed)
	USB Port Status	Four (USB2.0 Port Status)
Power Mode		Self-power mode
Output Voltage (per port)		+5VDC
Output Current (per port)		500mA maximum
Operating Temperature		0°C to 45°C
Storage Temperature		-20°C to 70°C
Humidity		0 to 90% RH. Noncondensing
Safety Approvals		CE, FCC
Housing		Plastic case
Weight		110g
Dimensions		106mm × 97mm × 32mm (L × W × H)
Input Power Range		9Vdc ~ 48Vdc
Power Consumption		1000mA@12VDC(Fully Load) 200mA@12VDC(no Load)
Utility		USB Device Sever software

The tables below show the hardware specifications of the US-S4+:

Function		Specification
Ports	USB Downstream	Eight (4 USB 2.0 type-A and 4 type-C)
	Ethernet	One (10/100Mbps)
LEDs	Power	One (Power on)
	Ethernet Port Status	Two (Link and Speed)
Power Mode		Self-power mode
Output Voltage (per port)		+5VDC
Output Current (per port)		500mA maximum
Operating Temperature		0°C to 45°C
Storage Temperature		-20°C to 70°C
Humidity		0 to 90% RH. Noncondensing
Safety Approvals		CE, FCC
Housing		Plastic case
Weight		150g
Dimensions		132mm × 100mm × 32mm (L × W × H)
Input Power Range		12Vdc
Power Consumption		1000mA@12VDC(Fully Load) 200mA@12VDC(no Load)
Utility		USB Sever software

Note: The USB devices sharing function is available on computers with Windows OS and Linux.

INSTALLATION

Note: The default configuration for the USB Device Server is **DHCP** enabled. If the USB Device server is not able to get an IP address from a DHCP server, it will use the **IP address 192.168.254.254** and the **subnet mask 255.255.255.0**.

Step 1 - Connect the USB Device server to your network

First connect an Ethernet cable to the USB Device server device's Ethernet port.

Once the Ethernet cable is connected, connect the other end of the cable to your network. This can be a free Ethernet port on your DSL router, Ethernet Hub/Switch, or an 802.11n router/base station.

If you do not have a network, you can connect the USB Device server directly to the Ethernet port on your computer using static IP address.

Step 2 - Connect the USB Device server's power supply/Read the LEDs

Connect the included power supply to the USB Device server's power connector.

Once the USB Device server is powered, the USB Device server's green "SPEED" Ethernet's status LED and yellow "LINK" Ethernet's status LED will turn ON. After a few seconds, the red "PWR" LED will illuminate when the USB Device server is working fine and booted properly.

Step 3 - Connect the USB devices to USB Device server

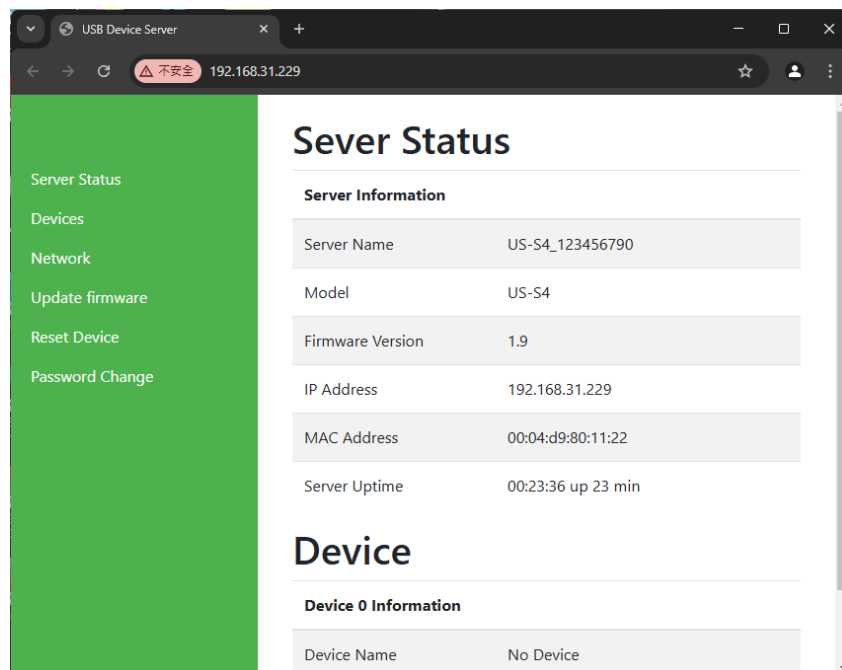
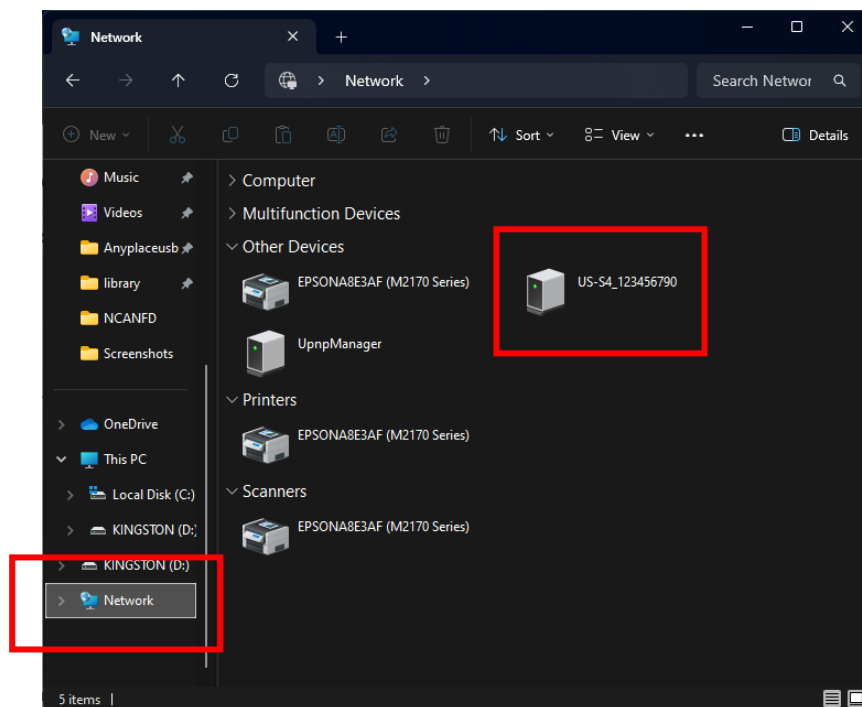
Connect your USB devices to USB ports on USB Device server. The green USB status LED will illuminate when your USB devices have been connected to the USB ports successfully. (US-S2/US-S2 only)

The USB Device server hardware installation is now complete. User can into the web console interface to configure the USB Device server, please open any web browser and enter IP address of the USB Device server in the address bar to access the "HOME" page of USB Device server.

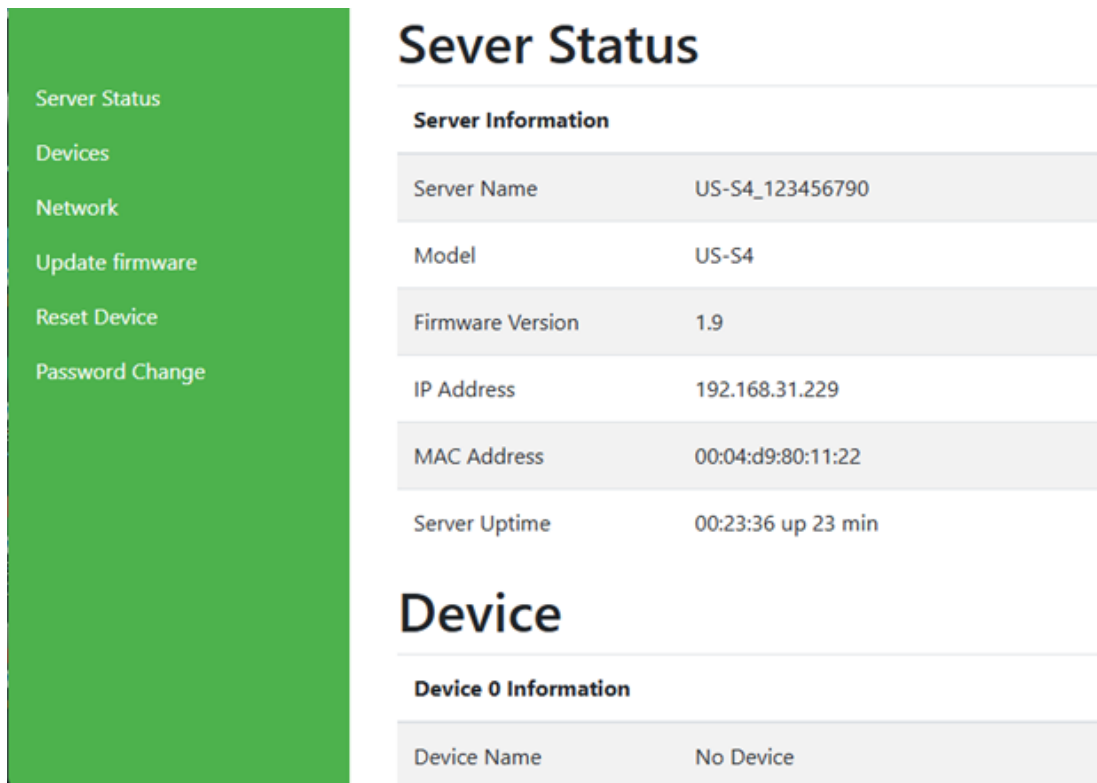
WEB CONSOLE CONFIGURATION INTERFACE

Open the Web Console Configuration Interface for USB Device server

To open the web console configuration Interface of the USB Device server, you go into “Network” in Windows OS. You can find the USB Device server (US-S4_123456790) under “Other Devices”; please click this USB Device server (“US-S4_123456790”) to display the web console configuration Interface.



The web console interface allows configuration of USB Device server. These settings include “Server Status”, “Device”, “Network”, “Update Firmware”, “Reset Devices” and “Password Change”.



Server Status

Server Information

Server Name	US-S4_123456790
Model	US-S4
Firmware Version	1.9
IP Address	192.168.31.229
MAC Address	00:04:d9:80:11:22
Server Uptime	00:23:36 up 23 min

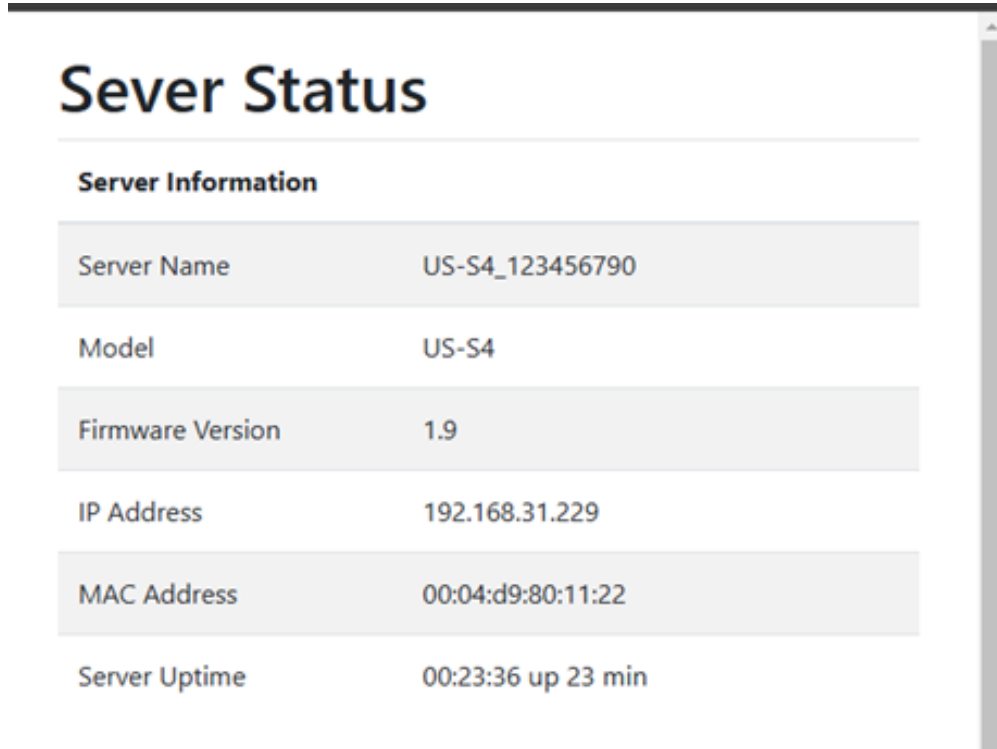
Device

Device 0 Information

Device Name	No Device
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Server Status

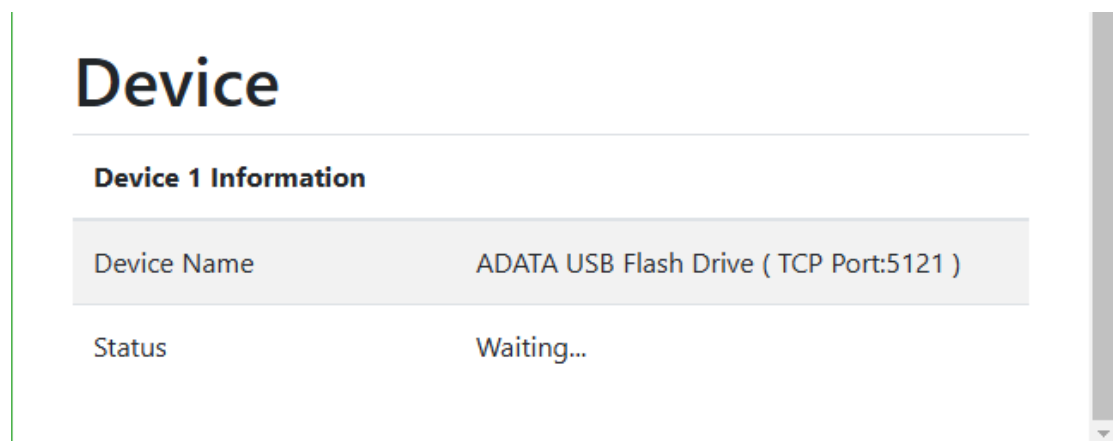
Click “Server Status” to display the “Server Information” and “Device” information; the “Server Information” include “Server Name”, “Model”, “Firmware Version”, “IP Address”, “MAC Address” and “Server Uptime” information.



The screenshot shows a web interface titled "Sever Status" (note the typo). Under the heading "Server Information", there is a table with the following data:

Server Information	
Server Name	US-S4_123456790
Model	US-S4
Firmware Version	1.9
IP Address	192.168.31.229
MAC Address	00:04:d9:80:11:22
Server Uptime	00:23:36 up 23 min

The “Device” information displays current USB port status and connected USB devices information(Device 1 Information ~ Device X Information), it include “Device Name” and “Status”, the “Device Name” displays current connected USB device and the “Status” displays this USB device is waiting for share or shared by client computer.

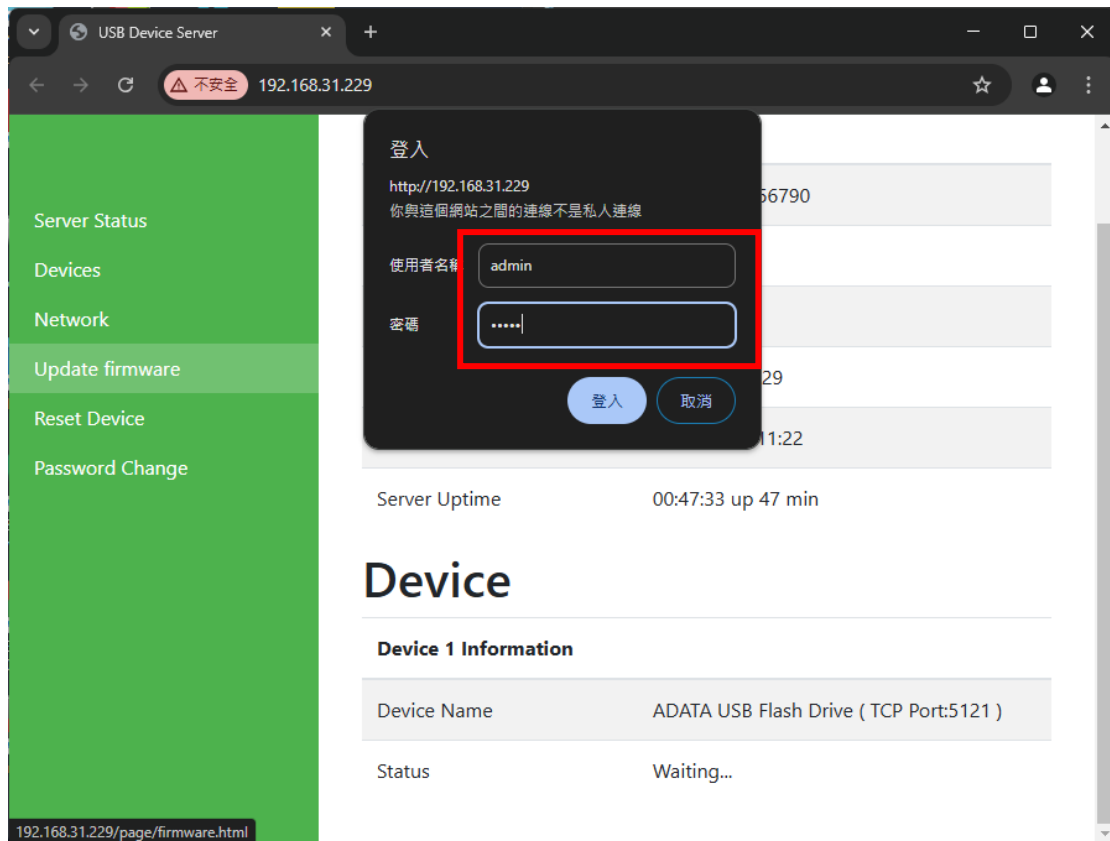


The screenshot shows a web interface titled "Device". Under the heading "Device 1 Information", there is a table with the following data:

Device 1 Information	
Device Name	ADATA USB Flash Drive (TCP Port:5121)
Status	Waiting...

Device

Click “Device” to setting USB devices for your USB Device server, after you click “Device” , you will find “Windows Security” message, the user needs to key-in username and password then click “OK” to into “Devices Settings” control panel, it displays current USB port status and connected USB devices information, user also can set the USB devices. The default username and password of USB Device server are “**admin**” (the default username and password are same).



Devices Settings

The “Devices Settings” for USB Device server includes the USB port status, connected USB devices control panel and information(Device 1 Information ~ Device X Information).

Devices Settings

Device 1 Information

Device	Vendor ID : 0x125f
Additional	Product ID : 0xdb8a
Information	Product : ADATA USB Flash Drive
	Manufacturer : ADATA
	Serial : 2790901560180273

Network option Compression Encryption

Enable authorization

Password:

Description

Update

Under “Device Settings” main windows, you can find four “Device x Information” (Device 1 Information ~ Device 4 Information), Each “Device x Information” show the USB port status, it includes USB device does not connect , USB device waiting for connect, USB device shared for client computer .

USB device does not connect

When the USB device is not connected to USB Device server, the “Device x Information” show “Device is not connected” message.

USB device waiting for connect

When the USB device connect to USB Device server, the USB device will be waiting for connect over a network automatically; the “Device x Information” will show following message :

Devices Settings

Device 1 Information

Device Additional Information	Vendor ID : 0x0781 Product ID : 0x5583 Product : Ultra Fit Manufacturer : SanDisk Serial : 4C531001550107104314
Network option	<input type="checkbox"/> Compression <input type="checkbox"/> Encryption
<input type="checkbox"/> Enable authorization	Password: <input type="text"/>
Description	<input type="text"/>
<input type="text"/>	<input type="button" value="Update"/>

When the USB device connect to USB Device server successfully, the “Device x Information” will show “Device Additional Information”, “Network option” for network traffic compression and encryption option box, “Enable authorization” option, “Password” setting option, “Description” setting option and “Update” control button.

USB device shared for client computer

After the USB device connect to USB Device server and the remote client computer connect to this USB device over network successfully; the “Device x Information” will show following message:

Device 1 Information

Device Additional Information	Vendor ID : 0x125f Product ID : 0xa42a Product : HV100 Manufacturer : ADATA Serial : 47A03396219D
Network option	<input type="checkbox"/> Compression <input type="checkbox"/> Encryption
<input type="checkbox"/> Enable authorization	Password: <input type="text"/>
Description	<input type="text"/>
Connect to 192.168.31.135 <input type="button" value="Disconnect"/>	<input type="button" value="Update"/>

When the shared USB device of USB Device server connect to remote client computer successfully, the “Device x Information” will show “Connect to xxx.xxx.xxx.xxx” and a “Disconnect” control button on the bottom left under “Device x Information” message , the “xxx.xxx.xxx.xxx” is IP address of remote client computer.

USB devices settings

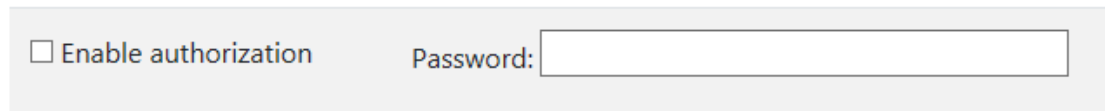
Form “Device x Information”, you can set some options for USB devices manually, under “Network option”, you can enable traffic encryption by ticking the encryption box. It is recommended for security reasons. All data sent will be encrypted, although it may slightly slow down the communication speed.

Network option	<input type="checkbox"/> Compression <input type="checkbox"/> Encryption
----------------	--

The traffic compression option helps speed up interaction with certain types of USB devices and reduces Internet traffic. You can enable traffic compression option by ticking the compression box. You may find this useful for USB devices which transfer data in uncompressed formats, like scanners. It is recommended to not use this option for USB devices which transfer incompressible types of data, such as isochronous USB devices (e.g. audio cards, web cams, etc.).

For example, web cam video compression is enabled by default, and further compression may degrade video quality.

Under “Enable authorization” option, by enabling password authorization, you can use a password to secure connection. The client computer should paste the same password to establish connection.



Enable authorization Password:

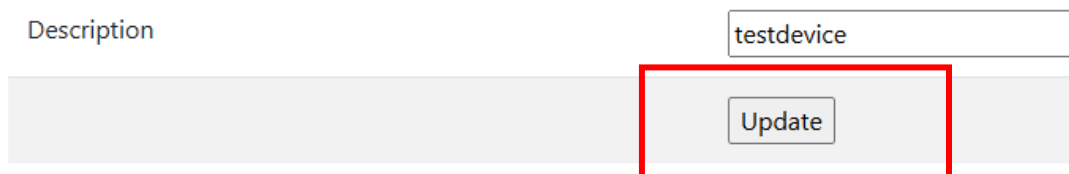
Tick the “Enable authorization” box and enter your desired “Password” for the password setting. After password setting, the shared USB device will have password protection.

Under “Description” option, you can enter a text to add a description for your shared USB device. After adding a description for your shared USB device, the client computer will be able to see the description next to the USB device.



Description

After finishing all option settings for your shared USB device and clicking “Update”, control button , you will see the “Update Device Settings...” message. Click “Ok” to finish the USB device sharing setup. After clicking “Ok”, the USB Device server software program will be restarted.



Description

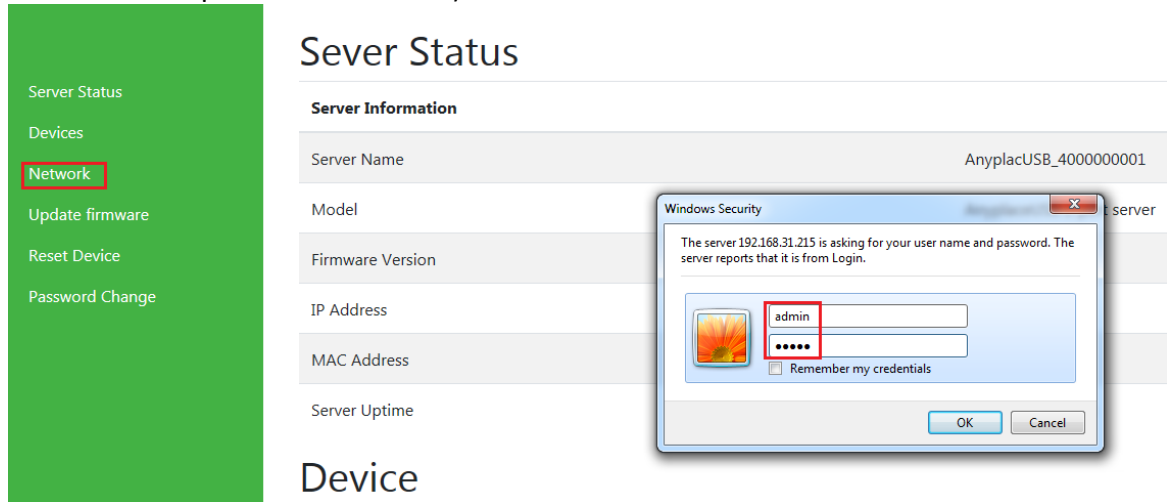
[Disconnect shared USB device manual option](#)

The shared USB devices on USB Device server connect to remote client computer successfully, the “ Device x Information ” show “Connect to xxx.xxx.xxx.xxx” and a “Disconnect” control button on the bottom left of “Device x Information” message; Click “Disconnect” control button to disconnect shared USB devices for your USB Device server manually, after you click “Disconnect” , you will find “Update Device Settings...” message and the shared USB device will be disconnect from remote client computer.

Network

Under the web console interface, select “Network” to setting network for your USB Device server, after you click “Network” , if you find “Windows Security” message, you needs to key-in user name and password then click “OK” to into “Network Setting” control panel, you can see the important information about network of USB Device server, user also can setting network for the USB Device server.

The default username and password of USB Device server are “admin” (the default username and password are same).



Network

Network Information

IP Address	192.168.31.229
Subnet Mask	255.255.255.0
MAC Address	00:04:d9:80:11:22

Network Setting

Server Name	<input type="text" value="US-S4_123456790"/>
DHCP Setting	<input type="text" value="DHCP"/>
IP Address	<input type="text" value="192"/> . <input type="text" value="168"/> . <input type="text" value="254"/> . <input type="text" value="254"/>
Subnet Mask	<input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="0"/>
Gateway	<input type="text" value="192"/> . <input type="text" value="168"/> . <input type="text" value="254"/> . <input type="text" value="1"/>

Network Setting

Under “Network Setting” control panel, you can see “Server Name”, “DHCP Setting”, “IP Address”, “Subnet Mask” and “Gateway” to setting network for your USB Device server.

Change USB Device server’s name

You can change USB Device server’s name by modifying the “Server Name”. you need to enter a new name (such as test-server) and click “Submit” to set your USB Device server to a new name.

Network Setting

Server Name	<input type="text" value="test-server"/>
DHCP Setting	<input type="button" value="DHCP"/> ▾
IP Address	<input type="text" value="192"/> . <input type="text" value="168"/> . <input type="text" value="254"/> . <input type="text" value="254"/>
Subnet Mask	<input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="0"/>
Gateway	<input type="text" value="192"/> . <input type="text" value="168"/> . <input type="text" value="254"/> . <input type="text" value="1"/>

Default IP Address Type (DHCP)

The default configuration for the USB Device server is **DHCP** enabled. Many networks are working in DHCP networks, which assign an IP address for USB Device server automatically.

Network Setting

Server Name	<input type="text" value="test-server"/>
DHCP Setting	<input type="button" value="DHCP"/> ▾
IP Address	<input type="text" value="192"/> . <input type="text" value="168"/> . <input type="text" value="254"/> . <input type="text" value="254"/>
Subnet Mask	<input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="0"/>
Gateway	<input type="text" value="192"/> . <input type="text" value="168"/> . <input type="text" value="254"/> . <input type="text" value="1"/>

Setting Static IP Address

Click “DHCP Setting” to select IP address type(DHCP or Static IP) for USB Device server. When you select “Static IP” , you need to enter the static IP address(such as 192.168.254.254), Subnet Mask (such as 255.255.255.0) and Gateway (such as 192.168.254.1) then click “Submit” to set your USB Device server to static IP address.

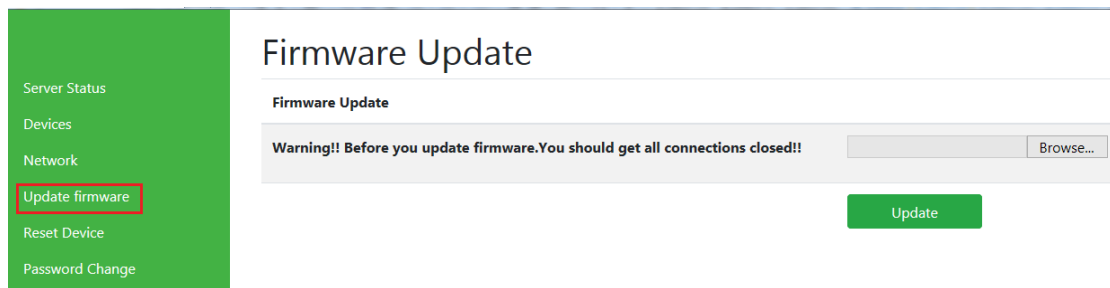
Network Setting

Server Name	<input type="text" value="test-server"/>
DHCP Setting	<input type="button" value="Static IP"/>
IP Address	<input type="text" value="192"/> . <input type="text" value="168"/> . <input type="text" value="254"/> . <input type="text" value="254"/>
Subnet Mask	<input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="0"/>
Gateway	<input type="text" value="192"/> . <input type="text" value="168"/> . <input type="text" value="254"/> . <input type="text" value="1"/>

Update Firmware

The “Update Firmware” button can upgrade the firmware for your USB Device server when you need to. Under the web console interface, select “Update Firmware” to start upgrade the firmware for your USB Device server, after you click “Update Firmware”, if you find “Windows Security” message, you needs to key-in user name and password then click “OK” to into “Update Firmware” control panel, the default user name and password of USB Device server are “**admin**” (the default user name and password are same).

Under the web console interface, select “Update firmware” and click “Update” for upgrade to a new firmware. After clicking “Update firmware”, you can find “Firmware Update” messages and one search input bar for select or input update firmware file.



After you select or input new update firmware file, then clicking “Update”, you to launch to continue upgrading USB Device server’s firmware.

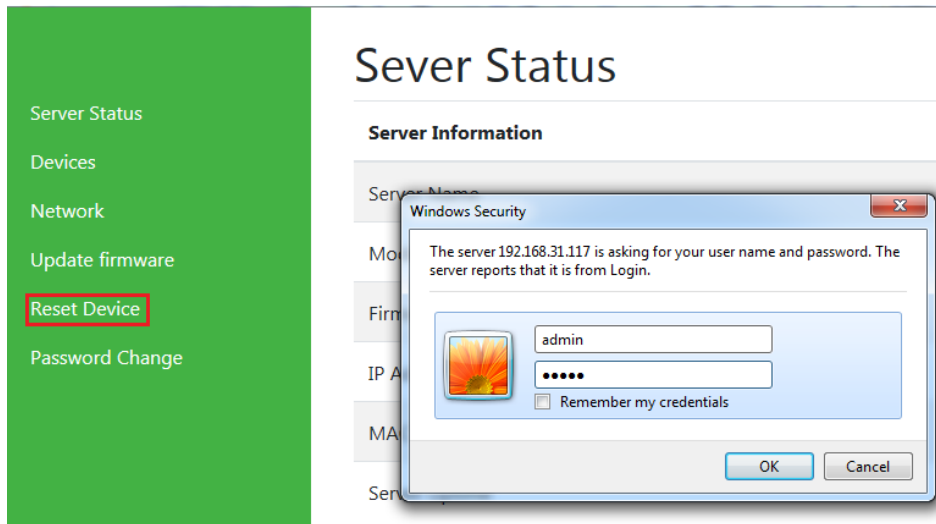
Firmware Update



While upgrading, you won't find any message, after the new firmware update is completed, you will find the USB Device server reboot.

Reset Device

The “Reset Device” button resets your USB Device server when you need to. Under the web console interface, select “Reset Device” to reset your USB Device server, after you click “Reset Device”, if you find “Windows Security” message, you need to key-in user name and password then click “OK” to enter the “Reset Device” control panel, the default user name and password of USB Device server are “**admin**” (the default user name and password are the same).



After clicking “Reset Device”, you can find “Server Information”, “Restore Factory Defaults”, “Reboot device” messages and two control buttons (“Reset to Defaults” and “Reboot”).

Server Information	
Server Name	US-S4_123456790
Model	US-S4
Firmware Version	1.9
IP Address	192.168.31.229
MAC Address	00:04:d9:80:11:22
Server Uptime	09:58:21 up 9:58

Restore Factory Defaults

Restore all options to their factory default states:

[Reset to Defaults](#)

Reboot device

This will reboot USB Device Server.

If you are sure you want to do this. Please press the Reboot button.

[Reboot](#)

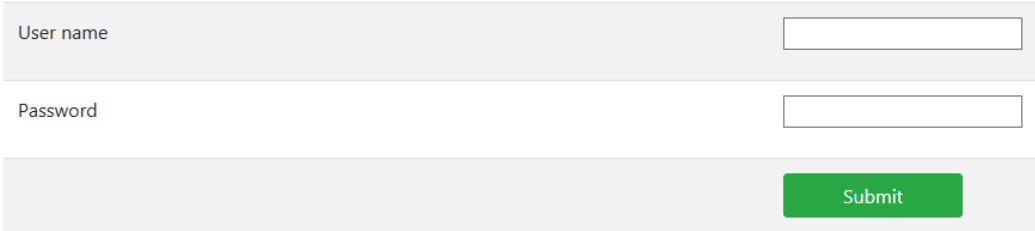
The “**Restore to Defaults**” control button restores the firmware to factory defaults. you can restore all options to factory default states by clicking the “Restore to Defaults” button; After clicking “Restore to Defaults”, a message “Reset to defaults and reboot” appeared, the USB Device server will restore all options to factory defaults and reboot.

The “**Reboot**” control button reboot/reset your USB Device server; After clicking “Reboot” control button, you will find “Reboot...” message and the USB Device server will be reboot.

Password Change

The “Password Change” control button changing web authentication for your USB Device server when you need to. Under the web console interface, select “Password Change” for your USB Device server, after you click “Password Change”, if you find “Windows Security” message, you needs to key-in user name and password then click “OK” to into “Password Change” control panel, the default user name and password of USB Device server are “**admin**” (the default user name and password are same).

After click “Password Change”, you can find “Changing Web Authentication” message and two input boxes (for “Username” and “Password”).



The screenshot shows a web interface titled "Changing Web Authentication". It contains two input fields: "User name" and "Password". Below these fields is a green "Submit" button. The interface is simple and functional, with a light gray background and a green accent color for the button.

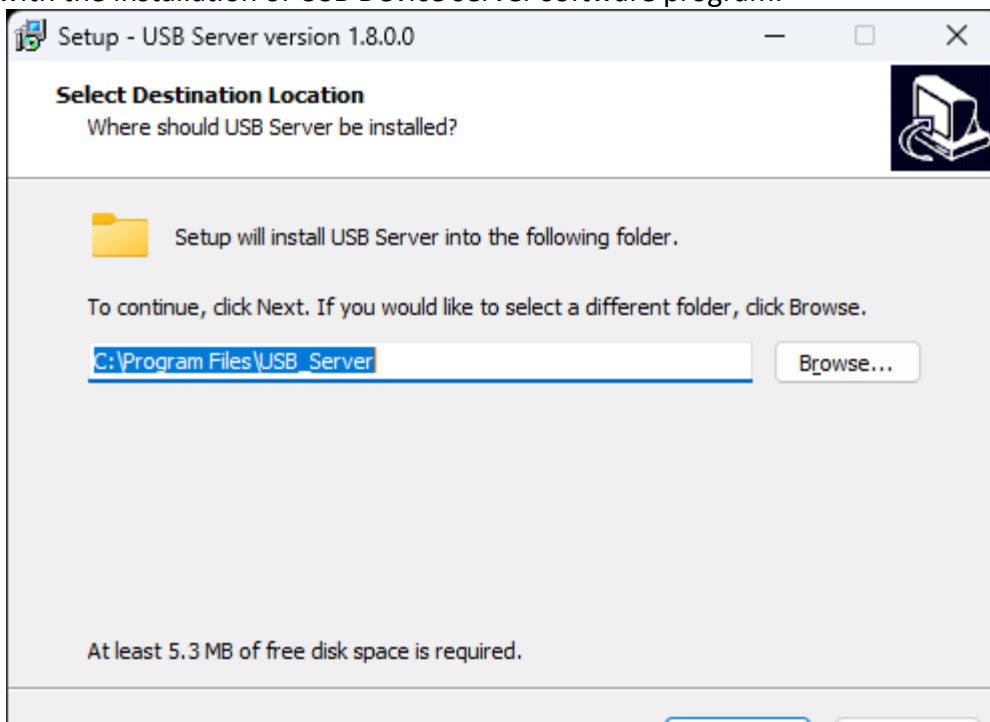
You can input new username and new password to change the login user name and password for your USB Device server. After input new username and password for your USB Device server, please clicking “Submit” to changing web authentication, you will find “Changing Authentication ...” message and the USB Device server will be change to new login username and password.

RUNNING USB Device Server SOFTWARE PROGRAM

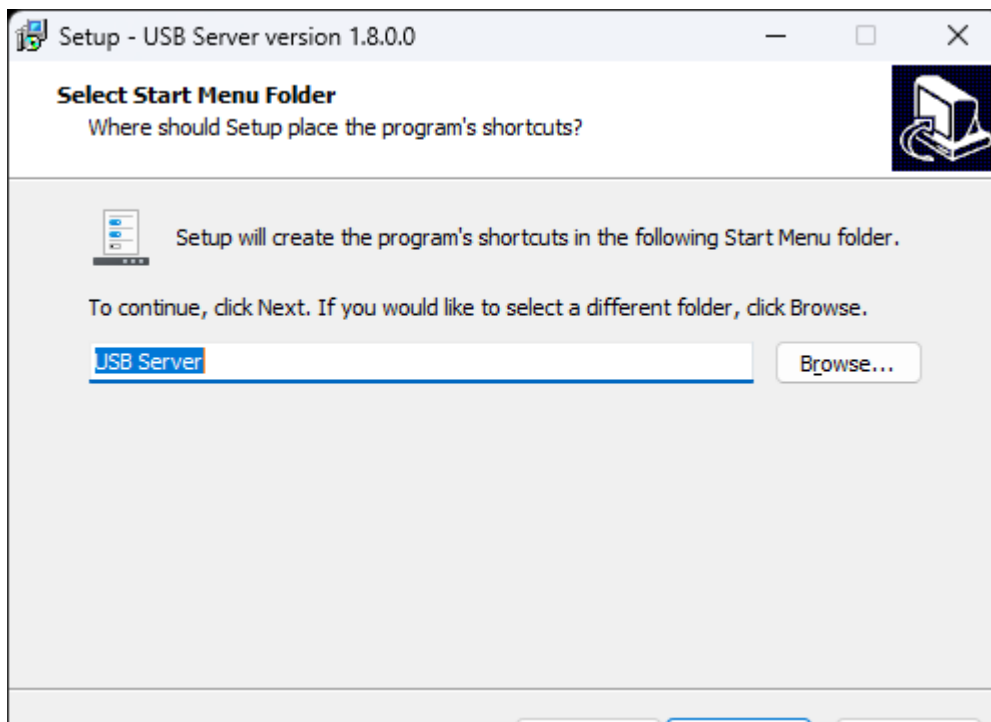
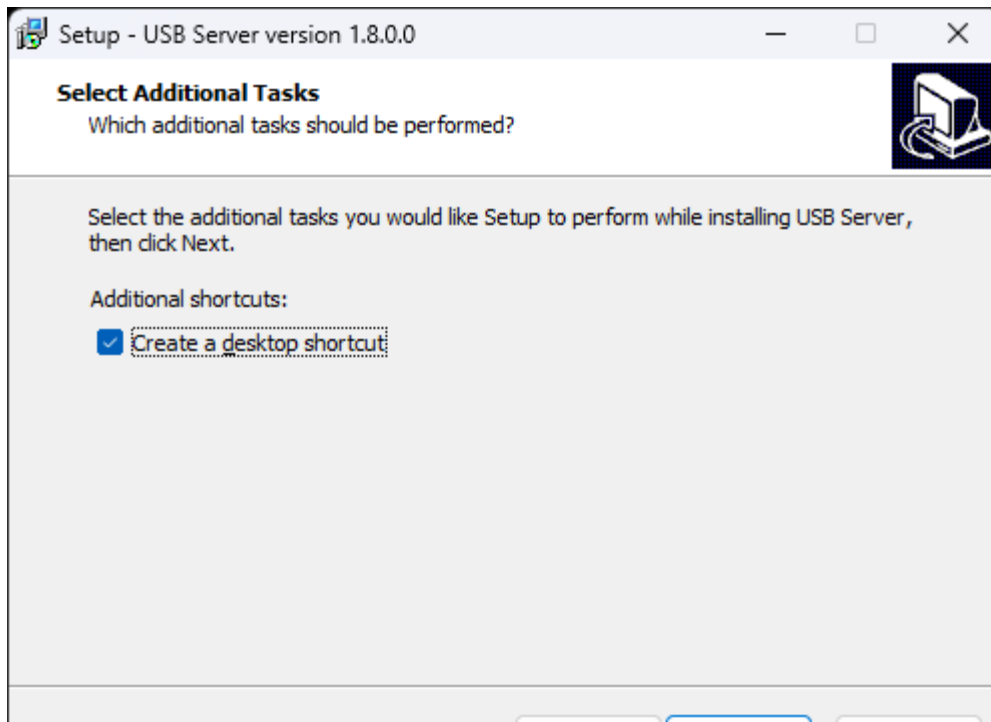
The USB Device server software program is an advanced USB virtualization solution that allows you to connect remote USB devices over networks easily. Thus, any USB device connected to the USB Device Server could be accessed from anywhere in the world (via internet), as if it were attached directly to the remote PC.

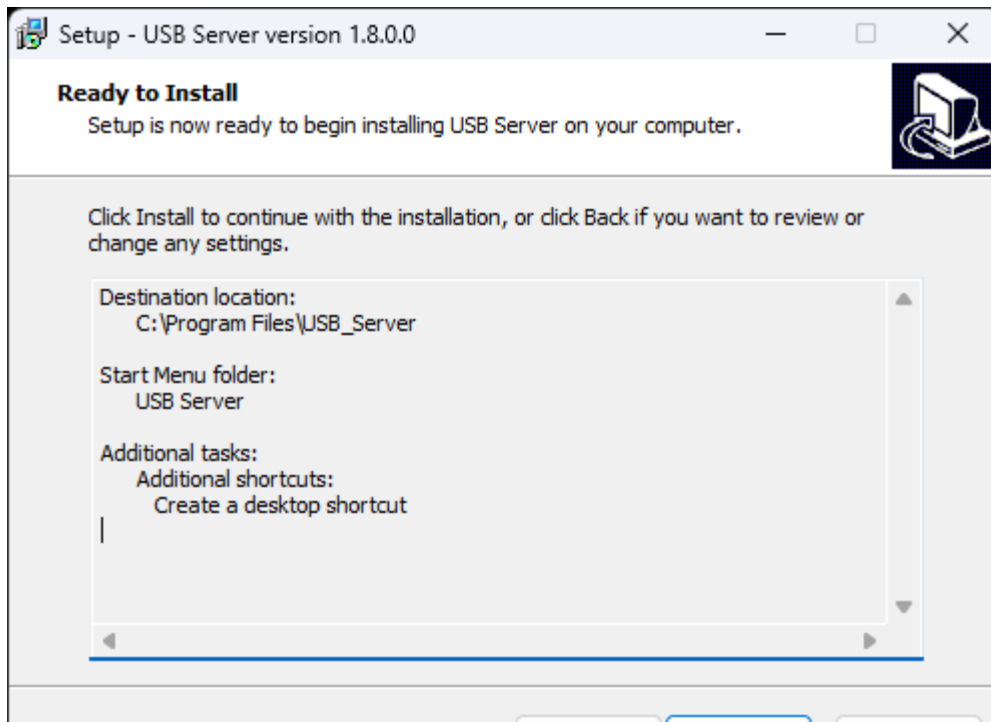
The USB Device server software program with “CLIENT” option to connect remote USB devices from network.

1. Insert the software CD into your CD-ROM or DVD-ROM drive.
2. Open files in the CD and double click “USB_Server_Setup.exe” to install USB Device server software program.
3. When the confirmation for “User Account Control” appears, click “Yes” and the “Setup - USB Device server” message appears. Click “Next” to proceed with the installation of USB Device server software program.



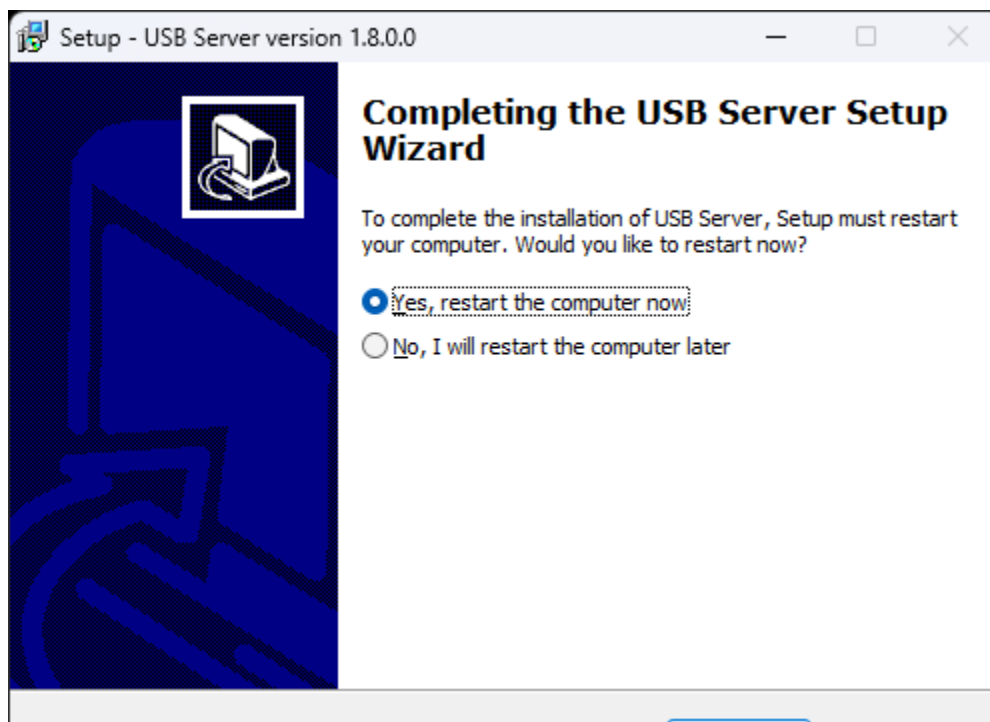
4. After you click “Next”, you will see following information. Click on “Next” and the “Ready to Install” message appears. Click “Install” to install USB Device server software program.





5. After you click “Install” to install USB Device server software program, you will see the following information.

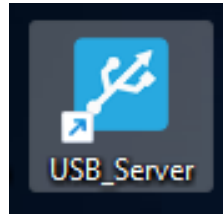
When the message “Completing the USB Device server Setup Wizard” appears, click “Finish” to restart the computer and finish the USB Device server software program installation.



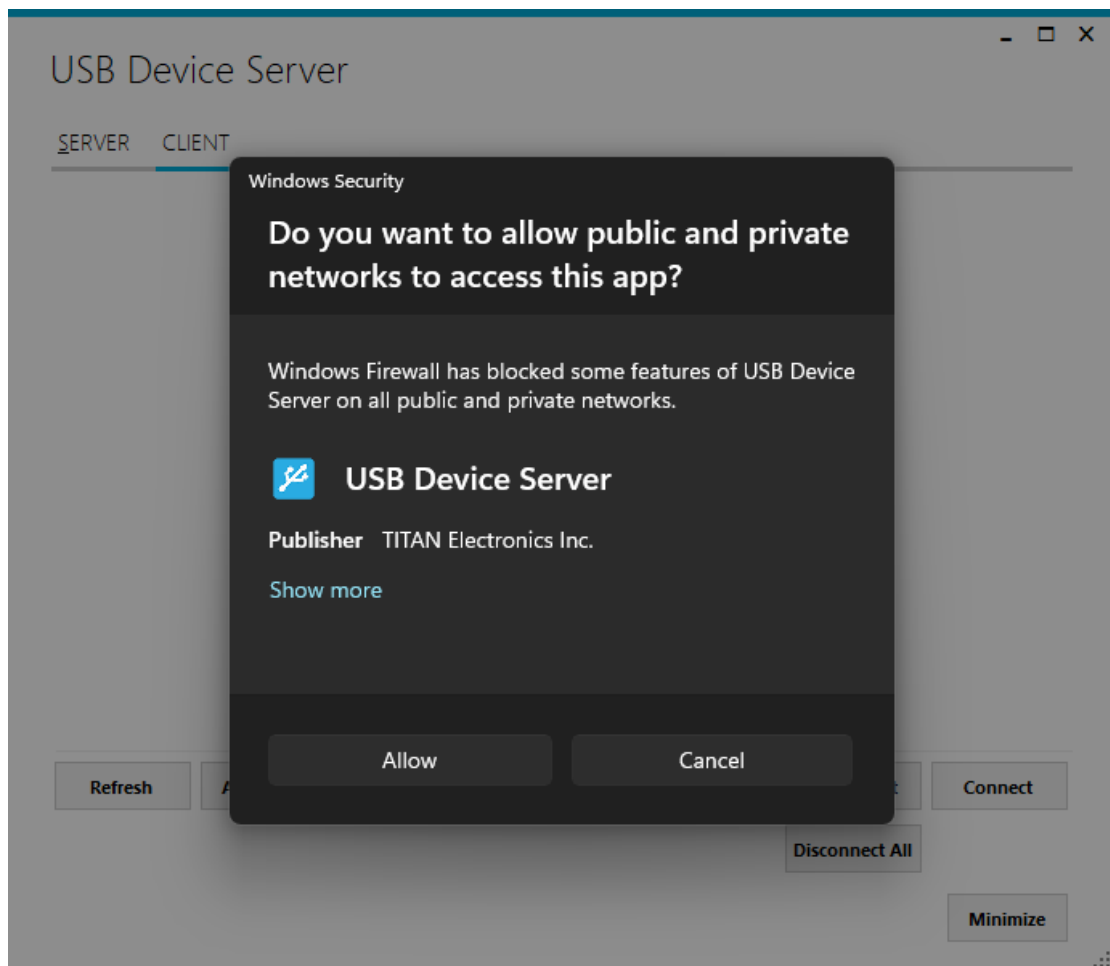
Running USB Device server Software Program in Client Computer

Please connect your client computer to a network (Internet/LAN/WAN) environment.

Double click the shortcut icon of “USB server” on your client computer to launch USB Device server software program.



When you start the program for the first time, your Windows OS will prompt you for Firewall access. Please make sure you unblock the software or grant it access, otherwise the program will not work correctly.

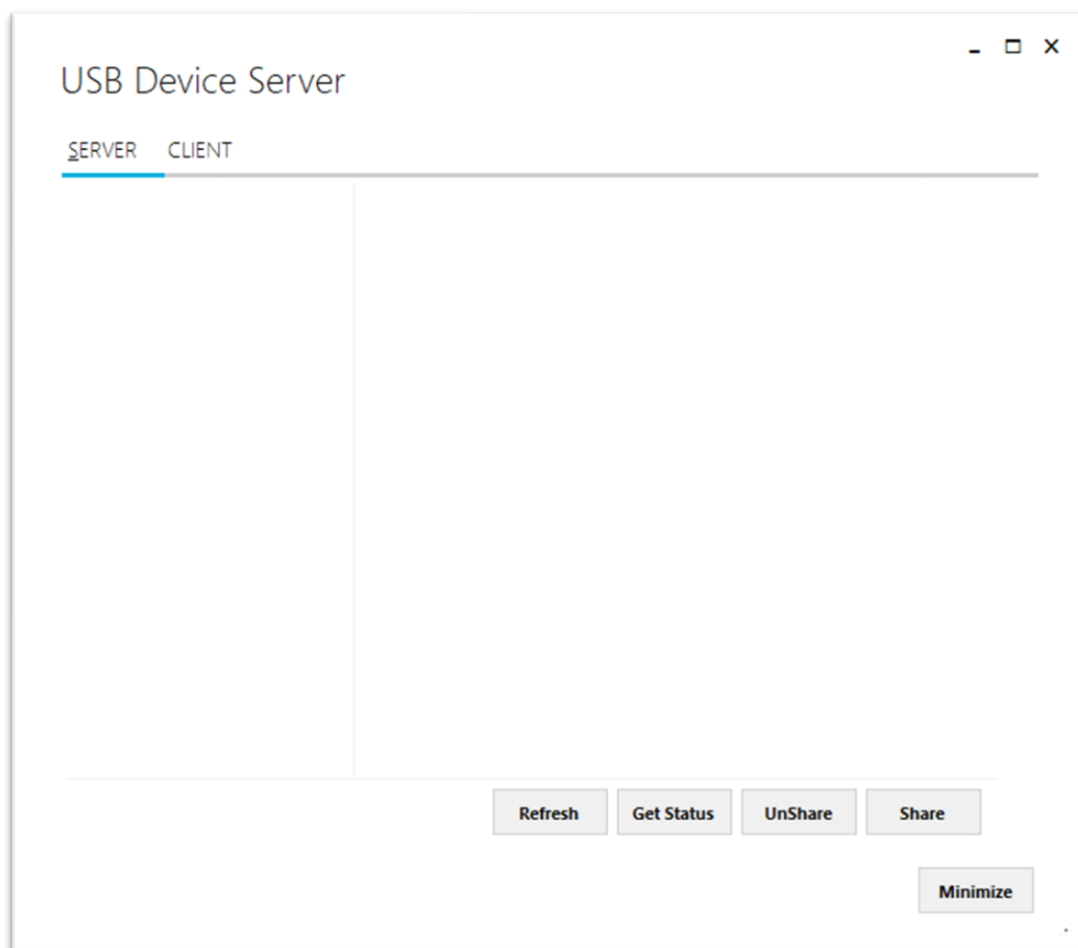


Running USB Device server Software Program in CLIENT Mode

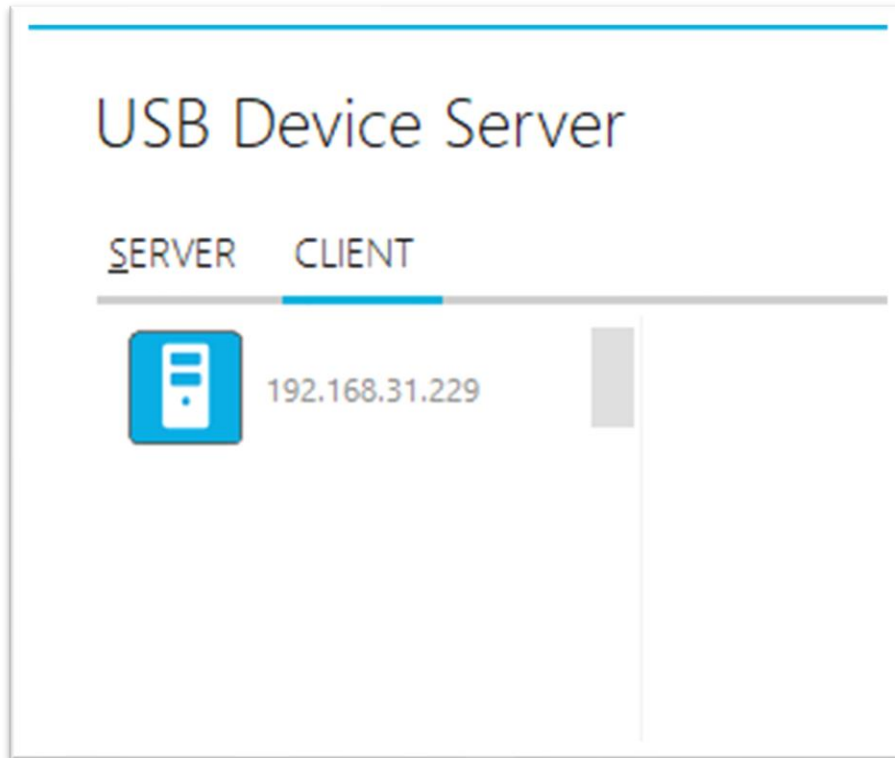
The USB Device server software program client mode can discover USB Device server installed in your local network automatically, in most cases there is no need to specify remote IP address or the hostname of the USB Device servers. Select the correct USB Device server from the list in order to connect to the remote shared USB devices.

To connect from client computer to a remote USB device shared on the USB Device server, you should first find available shared USB devices and add them into client computer. The shared USB devices are detected by USB Device server software program.

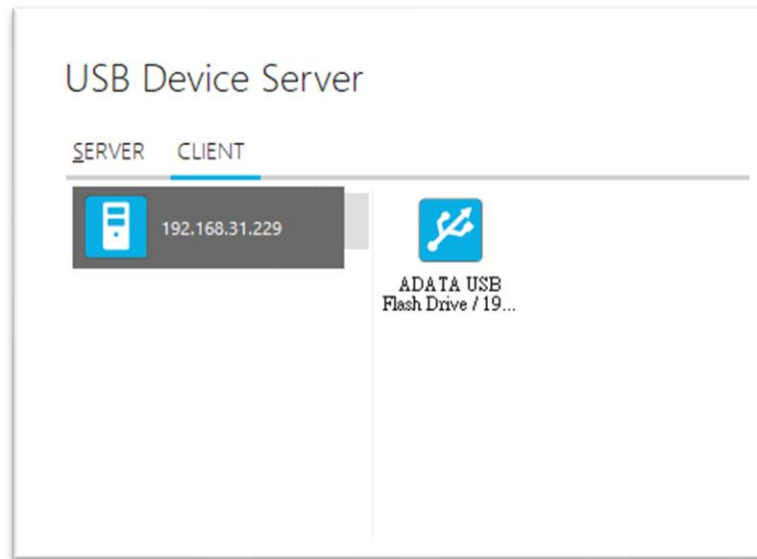
Once you have started up the USB Device server software program, you will see the main window as shown below.



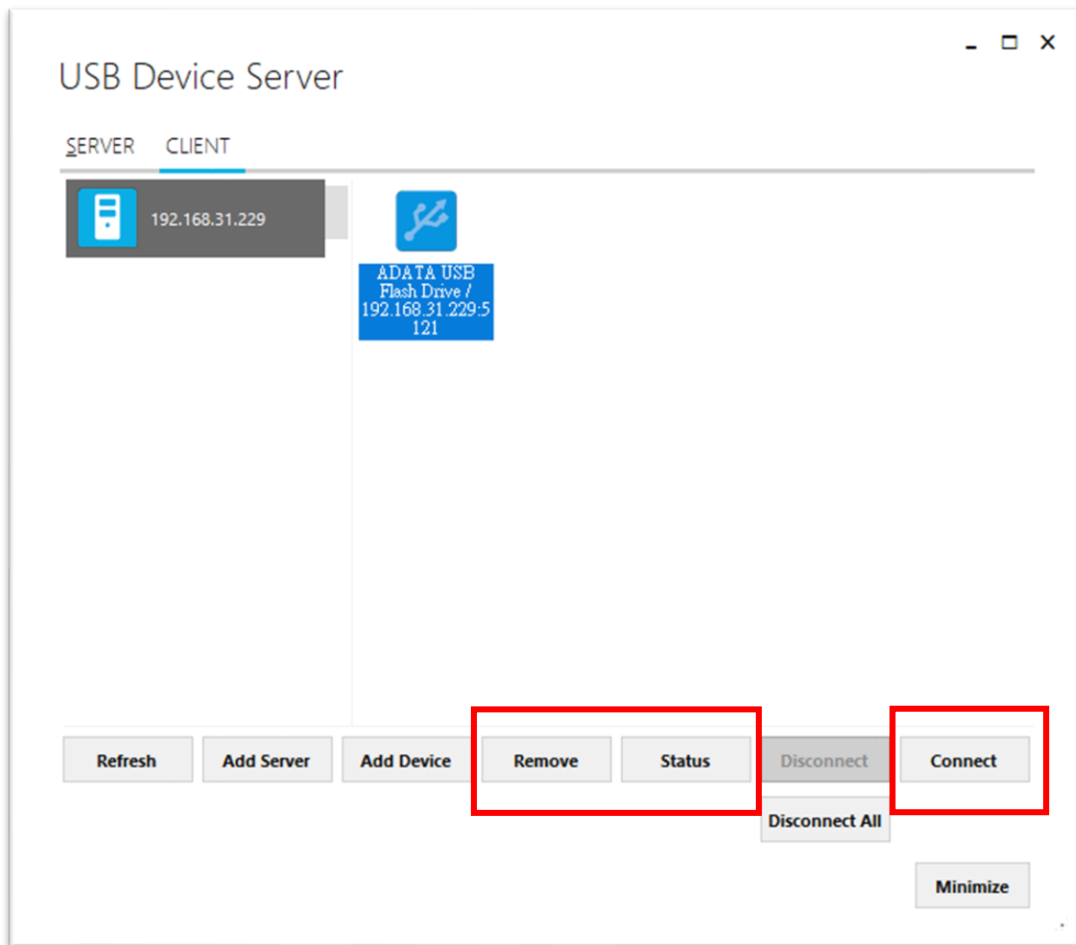
The main window consists of two toolbars (SERVER and CLIENT). Select "CLIENT" for connect to remote shared USB devices. After selecting "CLIENT" you will see all USB Device servers with their IP addresses on the left of the main window, which displays all USB Device servers discovered on the network.



Click on any USB Device server and the remote shared USB devices will be detected automatically and displayed.



After you click any remote shared USB device shared by the USB Device server, the **“Remove”**, **“Status”**, **“Connect”** buttons become available.

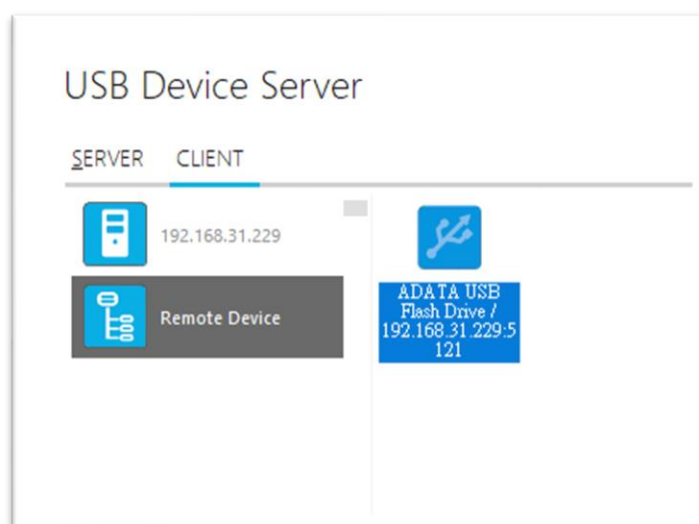


Connect Remote Shared USB Devices to your Computer

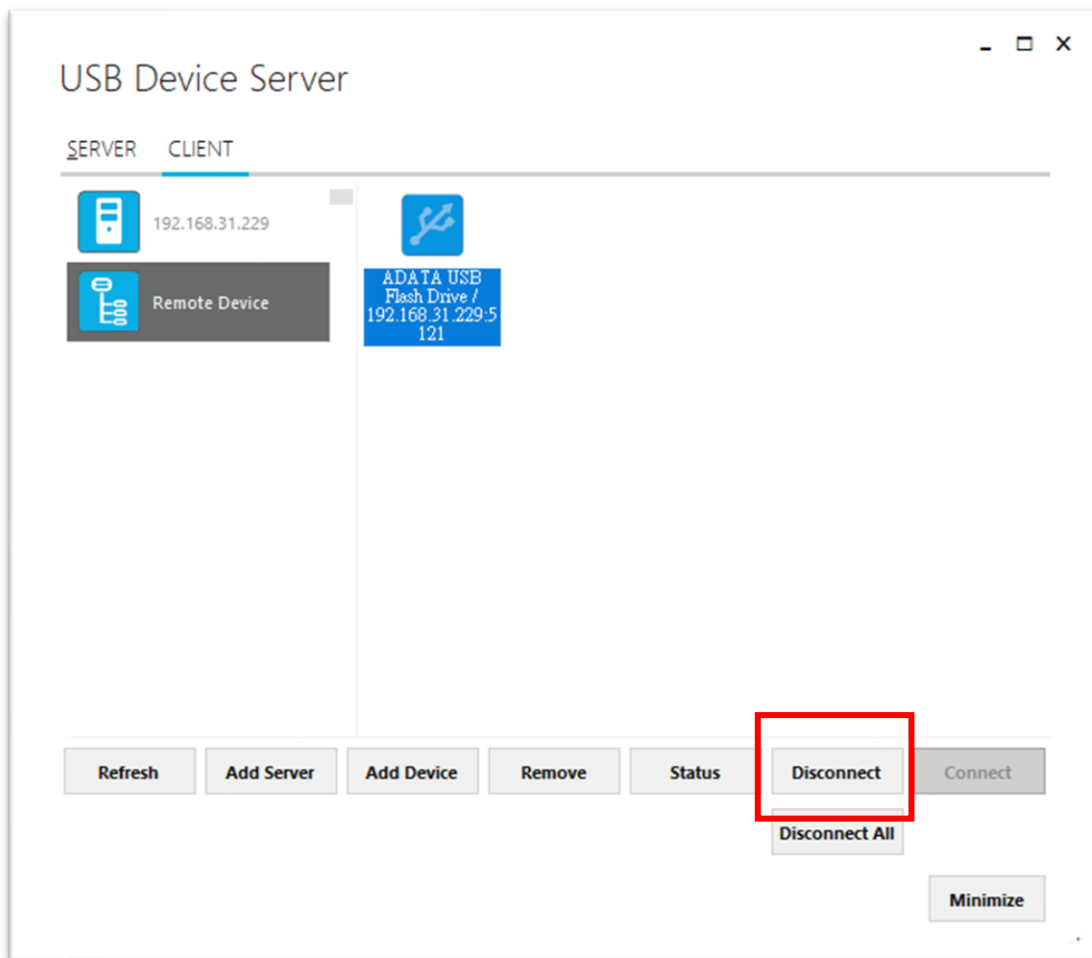
To connect the remote shared USB devices to your computer (client), click the **“Connect”** button to connect this remote shared USB device, and you will see a **“Connect success!”** to indicate success. This may take a while depending on the speed of your client computers, and the speed of your network. Please refrain from rapidly connecting to and disconnecting from the same device in a short period of time, as this may be a cause for communication errors. Click **“Ok”** to finish connecting to the remote shared USB device to your PC system(client).



After connecting to the remote shared USB device in your computer successfully, you will see a **“Remote Device”** on the left of the main window. Click on this **“Remote Device”** and you will find a duplicated remote shared USB device. The computer will install drivers for this remote shared USB device automatically. However, if your Windows OS doesn't support the driver for this remote shared USB device, you need to install it manually.



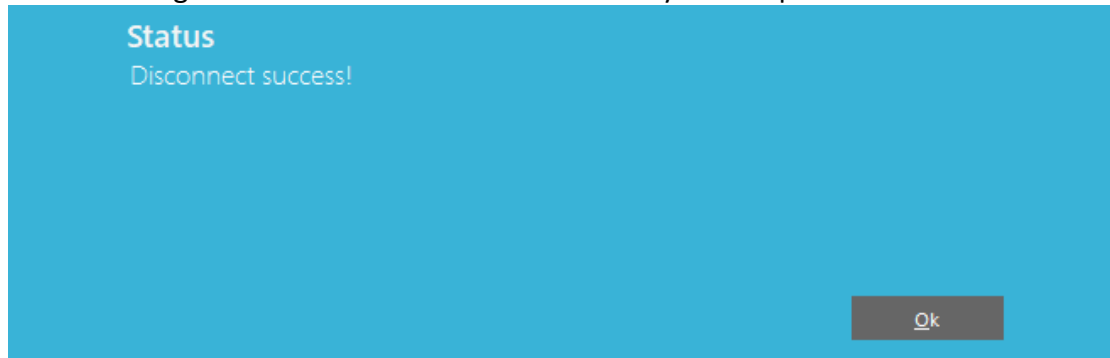
To check the remote shared USB device, please click on this remote shared USB device again. You will see that this shared USB device is connected to your computer and the “Disconnect” button is available.



Other computers in the same network will also see this remote shared USB device connected to your computer and will not be able to connect to this remote shared USB device unless you disconnect it.

Disconnect Remote Shared USB Devices from your Computer

To disconnect a remote shared USB device from your computer, click the **“Disconnect”** button to disconnect this remote shared USB device from your computer, and you will see a **“Disconnect success!”** message to indicate success. Click **“Ok”** to finish disconnecting the remote shared USB devices from your computer.

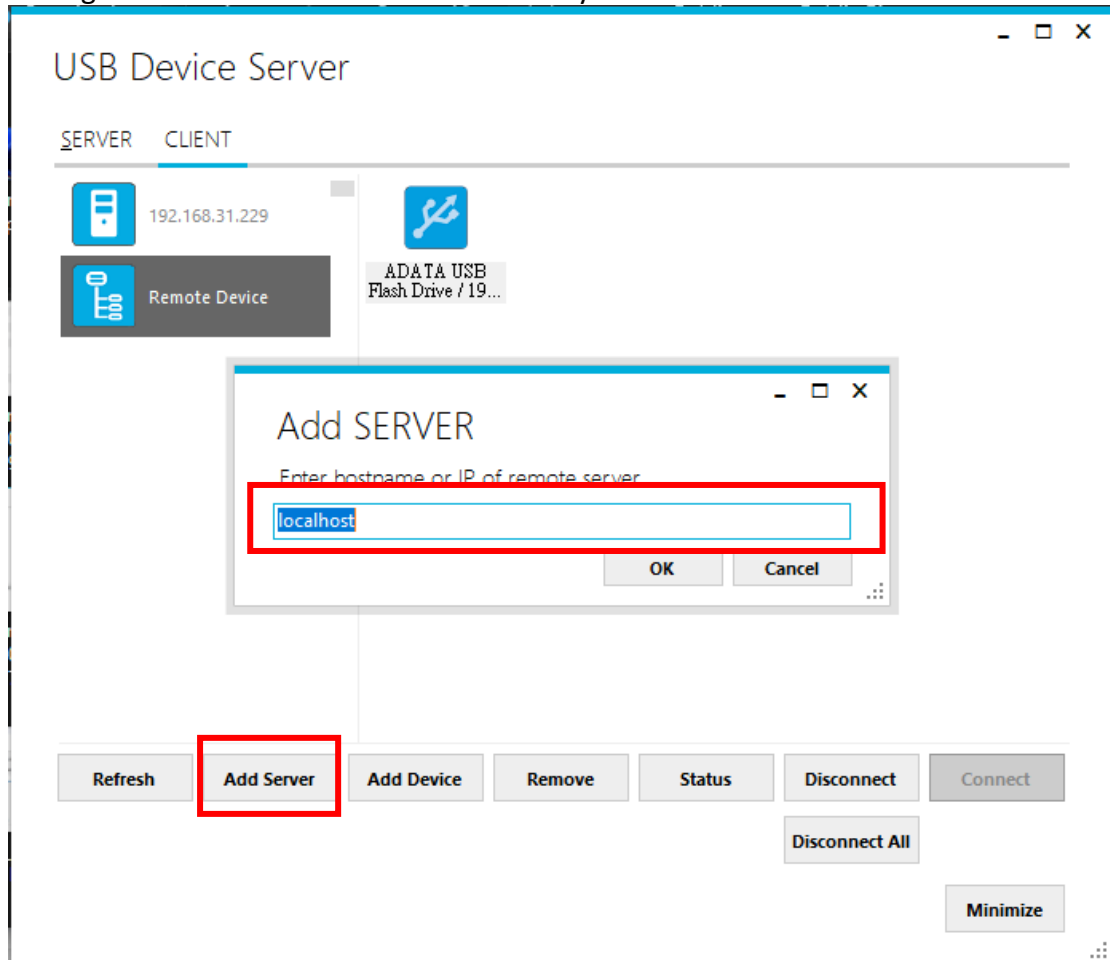


Note: After the USB device disconnected from USB Device server, please wait about 2 minutes to unload the pervious driver before connecting the USB device again, otherwise the USB device will not work correctly.

Other Buttons in CLIENT Mode

“Add Server” Button

If the USB Device server is not detected automatically, for example, when USB Device server is in a different subnet, you can search for it manually. Click “Add Server” and enter host name or IP address of the USB Device server, then click “OK” to finish adding a remote USB Device server manually.

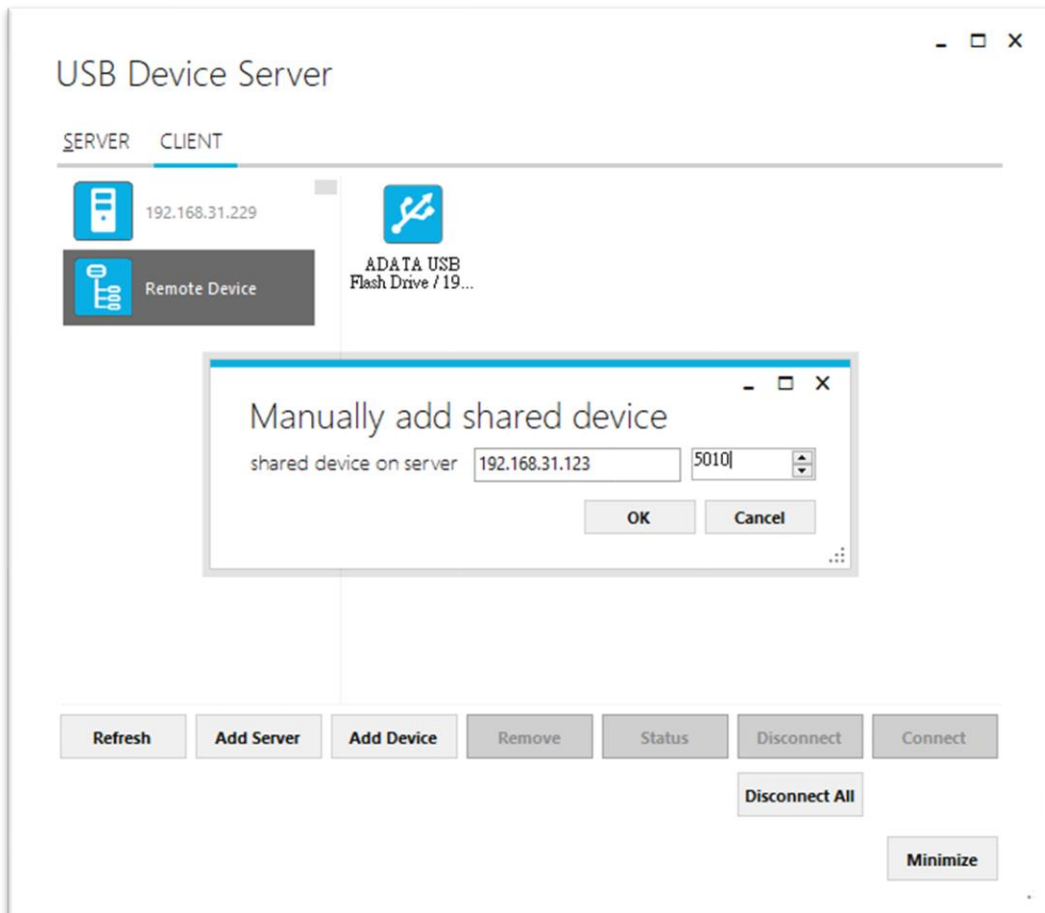


After adding a remote USB Device server manually, you will see the remote USB Device server (with IP address) added on the left of the main window.

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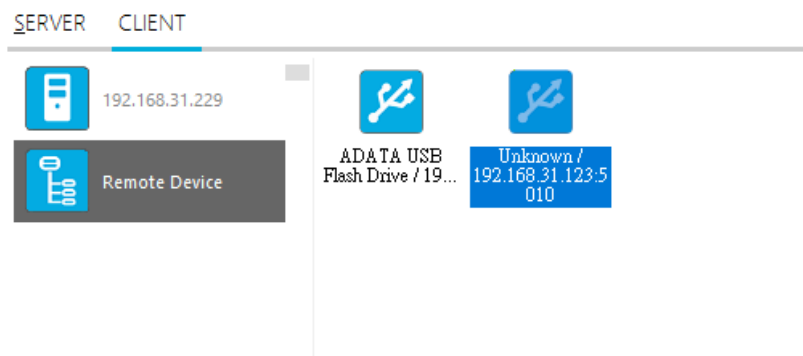
“Add Device” Button

You can also use the “Add Device” button, in case you know the IP address of remote USB Device server and the TCP port number, on which a USB device is shared. Click “Add Device”, enter IP address of the remote USB Device server, and the TCP port number of the remote shared USB device in “Manually add shared device”. Click “OK” to finish adding a remote shared USB device in your computer manually.



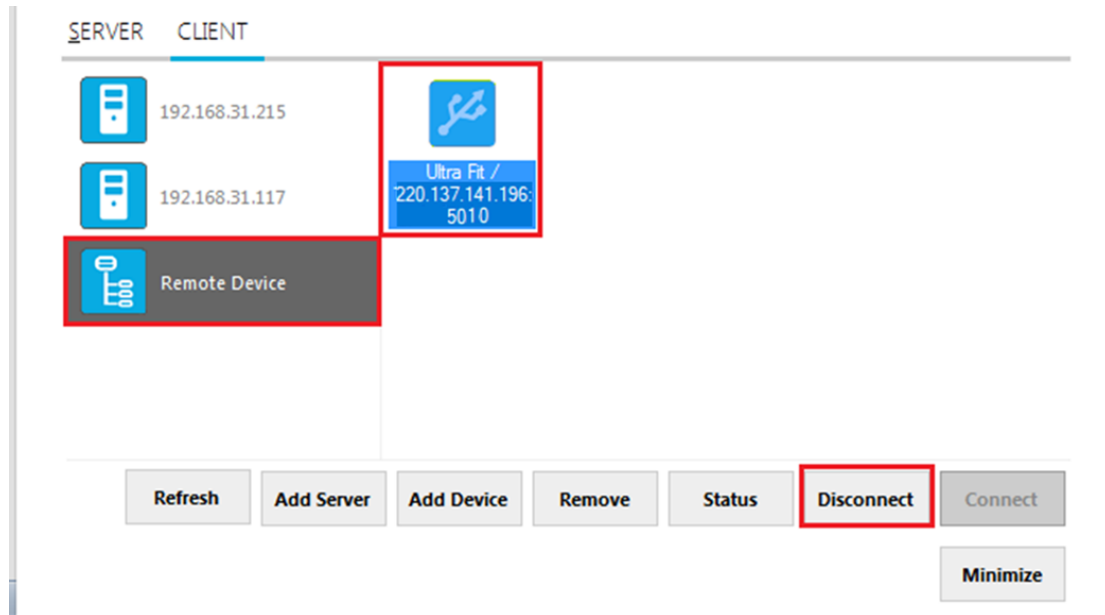
When you add a “Remote Device” manually, you will see an “Unknown” device added under “Remote Device”.

USB Device Server



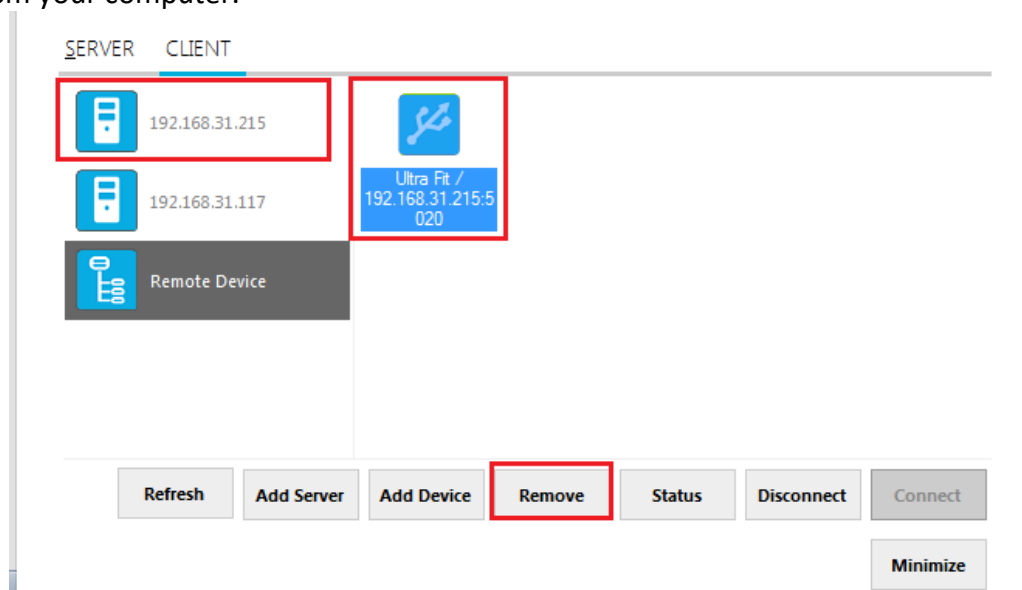
Click **“Connect”** to connect to this unknown USB device, and you will see a **“Connect success!”** message to indicate success. Click **“Ok”** to finish connecting to the **“Unknown”** USB device into your computer.

After connecting the **“Unknown”** USB device into your computer successfully, it will change to a remote shared USB device with device description, and the **“Disconnect”** button becomes available; the computer will install drivers for this remote shared USB device automatically. However, if your Windows OS doesn't support the driver for this remote shared USB device, you need to install the driver manually.



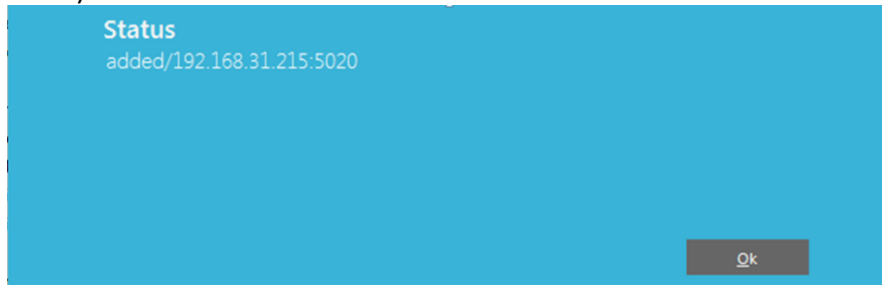
“Remove” Button

To remove an USB Device server or a remote shared USB device from your computer manually, select a USB Device server or a remote shared USB device and click **“Remove”**. You will see the USB Device server or remote shared USB device removed from your computer.



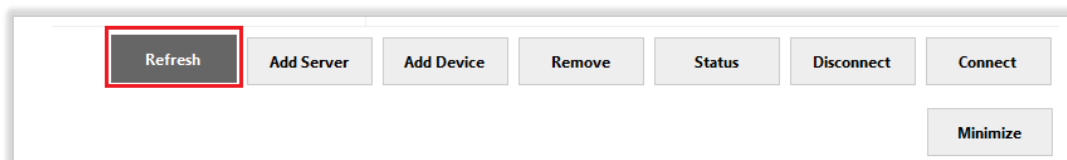
“Status” Button

Click the “**Status**” button to get the status of shared USB device. When the USB device is connected to USB Device server, the status will show “added/ 192.168.31.215:5020” (“192.168.31.215” is IP address of USB Device server and “5020” is TCP port number of USB device)”.



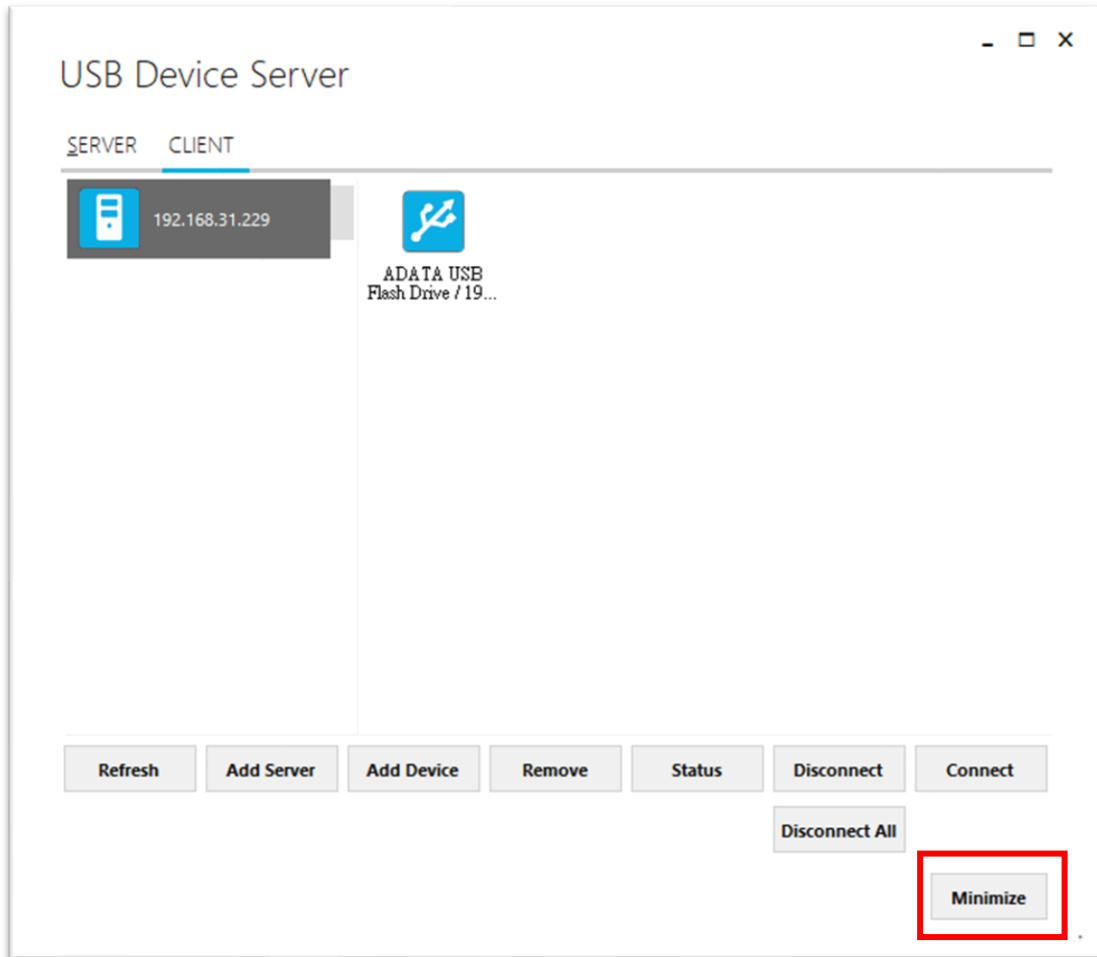
“Refresh” control button

The information on the main window of USB Device server software program may be incorrect or absent in some cases. In case this happens, you can click the “Refresh” button to reload the information for shared USB devices.

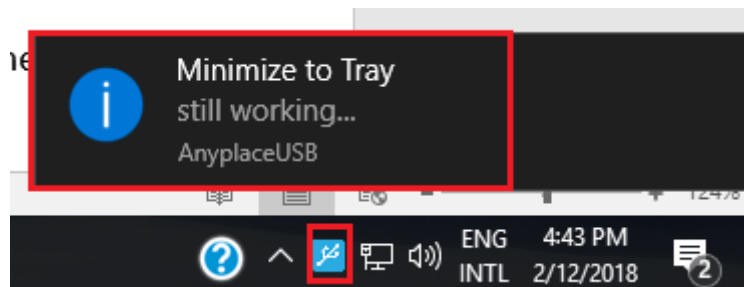


“Minimize” control button

You can click on the “Minimize” button to minimize the window of USB Device server software program to the system tray.



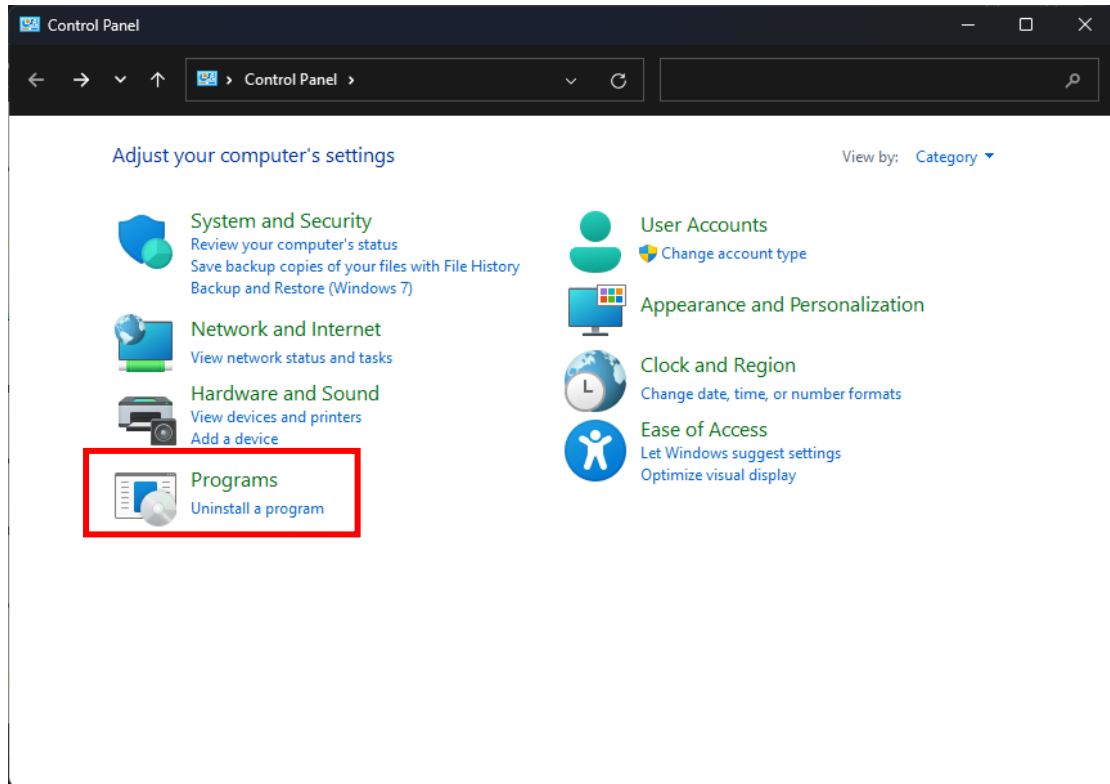
After clicking on “Minimize”, you will see “Minimize to Tray” message and the window of USB Device server software program will move to the system tray.



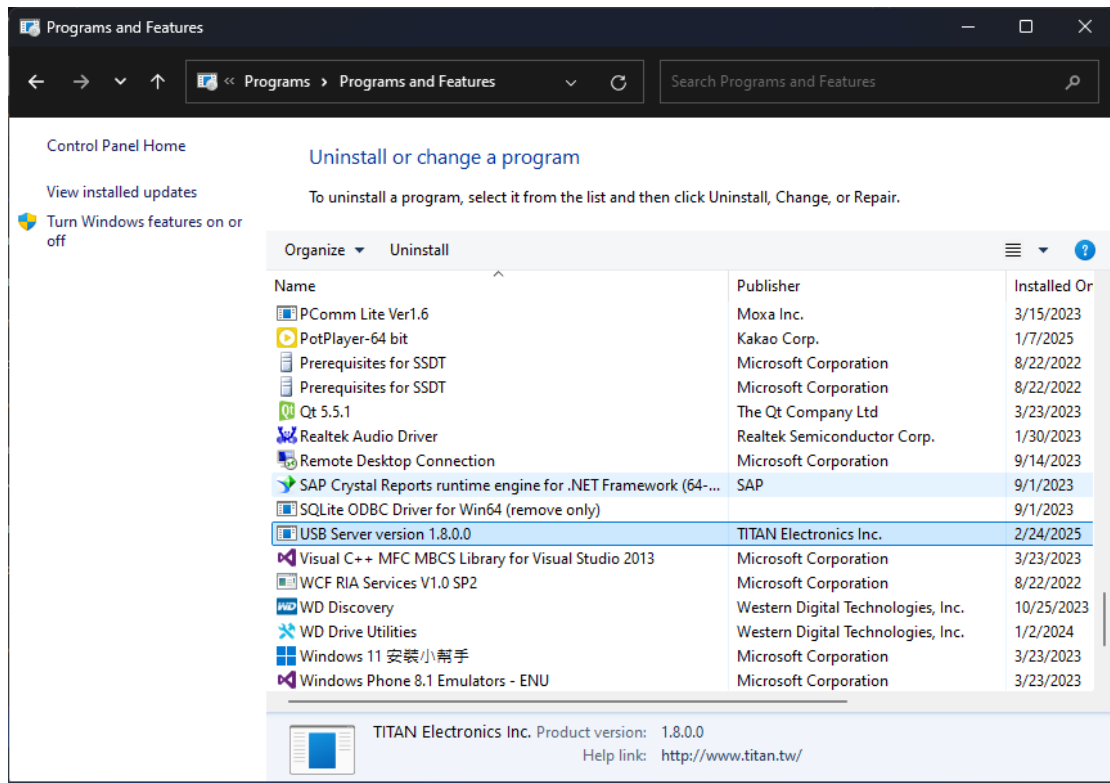
USB Device server SOFTWARE UNINSTALLATION

Uninstalling USB Device server Software Program

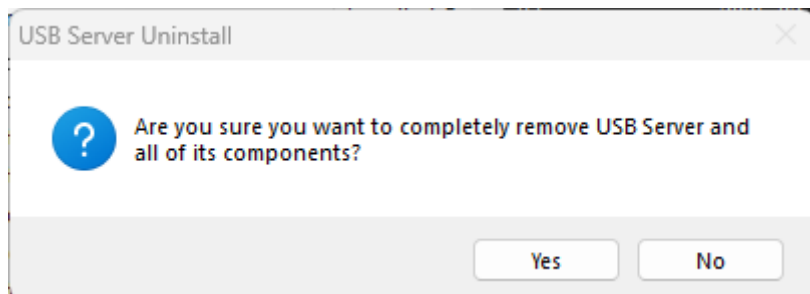
To uninstall USB Device server software program, click the "Start" button and navigate to "Control Panel". Choose "Uninstall a program" under "Programs".



After you click "Uninstall a program", a list of all your installed programs will be shown. Select "USB server" and click on "Uninstall" to uninstall USB Device server software program.



When you click on “Uninstall”, a message will ask “Are you sure you want to completely remove USB Device server and all of its components?”. Confirm by clicking “Yes”.



When uninstalling USB server software program, you will find the following message.

After successfully removing USB Device server software program, a message stating that “To complete the uninstallation of USB Device server, your computer must be restarted.” will be shown.

Click on “Yes” to restart your computer to finish removing USB Device server software program.

Additional Information

USB Device server Status LEDs

The LEDs indicate the status on the USB Device server.

“PWR” (Power/Ready) LED:

The “PWR” (Power/Ready) red LED indicates the USB Device Server is working fine and booted properly.

USB Port Status LEDs:

The USB Port LEDs indicate the USB ports status, the green LED is on, when your USB devices have connected to the USB ports successfully.

Ethernet Status LED's:

The “Speed” green LED (Ethernet Speed) indicates speed of Ethernet connection .

Steady on: The device is connected to a 100M Ethernet connection.

Steady off: The device is connected to a 10M Ethernet connection.

The “Link” yellow LED indicates Ethernet is linked.

Steady on: The Ethernet link has established.

Steady off: The Ethernet cable is disconnection.

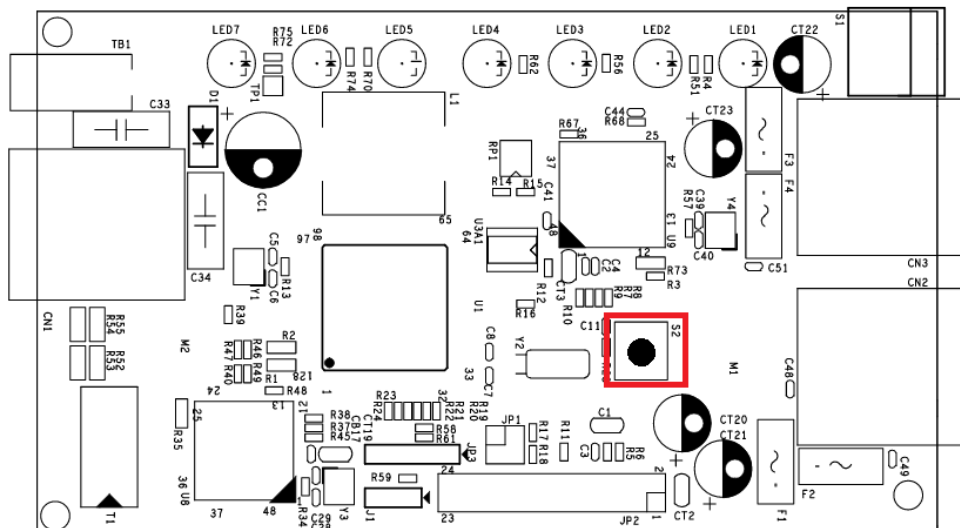
Blinking: Ethernet data transmission is occurring.

The Ethernet Link LEDs will flash when Ethernet data is transmitted or received.

Note: The older 10 Mbit/s Ethernet is not a good base for USB Device server support.

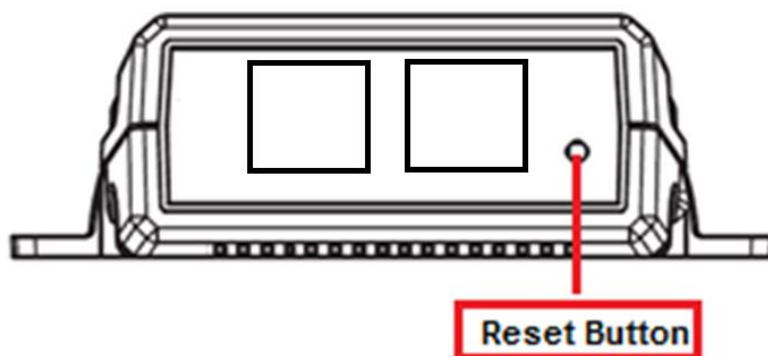
Hardware Restore Factory Default Button

The US-S2/US-S4 USB Device server supports a hardware factory defaults button to restore the default settings. This can be done by pressing the factory default button for around 10 seconds.



Hardware Reset Button

The US-S2/US-S4 USB Device server supports hardware reset button to reset the hardware. When the hardware reset button is pressed for a short duration, it will reset the USB Device server system.



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View compliance within the product's respective Technical Data Sheet, found on the product's online listing.

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When you reach out to Coolgear support, you'll find yourself in the hands of a solution-oriented and knowledgeable expert ready to answer whatever question you throw at them. If you ever need help with your product, visit coolgear.com/support for support tickets, downloads, and other support resources. For the latest drivers, please visit coolgear.com/download.

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One (1) Year Warranty from Date of Purchase Invoice. Coolgear will repair or replace any Product determined to be defective and which has been returned, at your risk and expense, to Coolgear. Where Coolgear determines in its sole judgment that repair or replacement of such Product is not reasonable, Coolgear will keep the non-conforming Product and refund to you the amount you paid for such Product. Returned Products shall be subject to the balance of the Warranty Period otherwise applicable. Any reconditioned parts used by Coolgear shall be subject to all the same provisions as otherwise applicable to new parts. THE FOREGOING DESCRIBES COOLGEAR'S SOLE LIABILITY, AND YOUR SOLE REMEDY, FOR ANY BREACH OF WARRANTY. IF YOU DO NOT AGREE WITH THE TERMS OF THIS LIMITED WARRANTY, YOU MUST RETURN THE PRODUCTS UNUSED AND IN THEIR ORIGINAL CONTAINERS TO YOUR ORIGIN OF PURCHASE.

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