



APPLICATION NOTE:

How to Setup Silex USB Device Servers

(DS-510, DS-600)

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Revision History

Rev. No.	Date	Revision by	Description
1.0	June 12, 2020	B Hashim	Initial version (A)

Introduction

The purpose of this application note is to explain the steps necessary to setup Silex USB device servers (DS-510, DS-600 and DS-520AN) easily in the quickest amount of time. For details on the product functions and how to use them please refer to the product user manual. This application note will walk you through the steps required to get the USB device server up and running with your device.

The document calls out DS-510 when setting up the device, but the instructions can also be used for DS-600 (as noted in the Appendix).

Package Contents

You will need the following items to setup your network as shown in the figure below.



To connect multiple USB devices to the DS-510 you will need to use a USB hub. If you are using a USB hub it will give you the flexibility to add more USB devices later.

Note: For setup we will not use a ethernet hub and connect the DS-510 directly to a USB device. You can use your home router and connect the DS-510 directly into it.

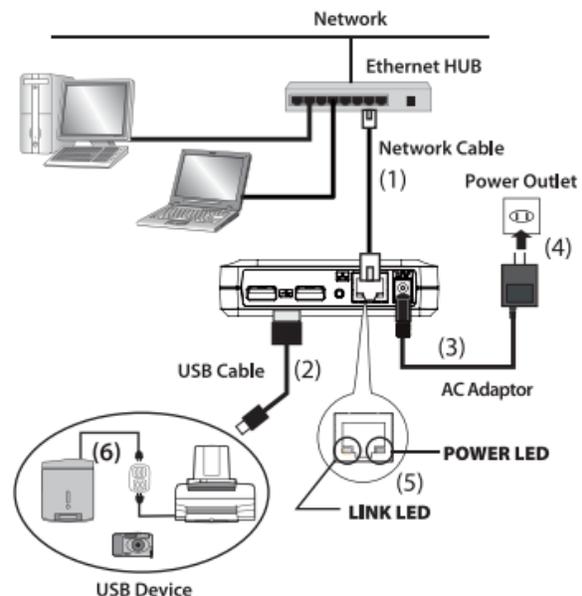
Setup and Powering up the Device

Step 1: You can connect the DS-510 to the network (either directly or using an ethernet hub) using the Network Cable (1) shown below.

Step 2: Connect the DS-510 to the USB device using a USB Cable (2) as shown.

Step 3: Connect the AC adaptor (3) to the DS-510 and the AC plug to the power outlet (4).

Step 5: Confirm that the Power LED and the LINK LED turn as shown (5) in the figure.



Download the Setup Utility

1. Go to the URL <https://www.silextechnology.com/resources>
2. Select the appropriate product using the drop-down menu.

Technical Resources

Filter below to access technical specifications, application notes, and white papers by product.

Product: Type:

3. Here you can find all the documentation and software for the product. The utility you want to download to set your device up is the “Device Server Setup Utility”.

Note: We have both Windows and Macintosh versions for the utility. Please download the correct one for your environment.

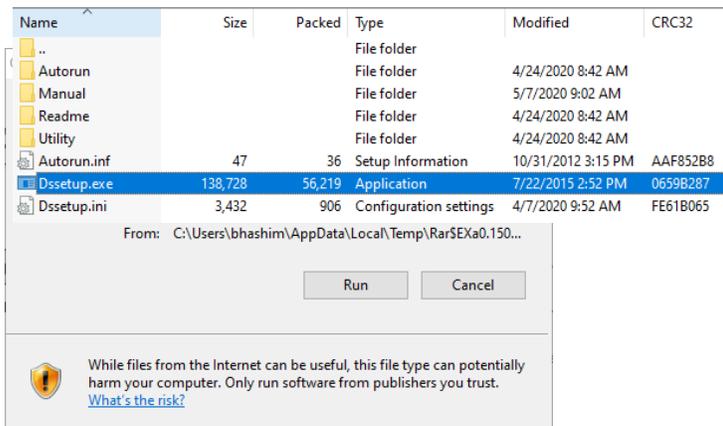
Product: Type:

DS-510 Declaration of Conformity Declaration of Conformity VIEW DECLARATION OF CONFORMITY >	DS-510 Manual Application Note VIEW APPLICATION NOTE >	DS-510 Manual Mac Application Note VIEW APPLICATION NOTE >	DS-510: USB Device Connectivity Options for Virtual Infrastructure Environments White Paper VIEW WHITE PAPER >
DS510 Setup Guide English Product Spec VIEW PRODUCT SPEC >	USB Device Server Setup Utility Software Utility VIEW SOFTWARE UTILITY >		

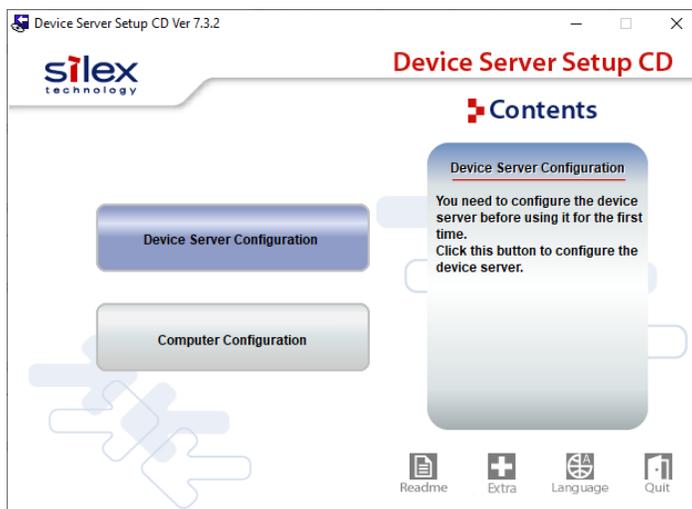
Device Server Setup Utility and DS-510 Configuration

Before you begin configuration, it is recommended that you temporarily disable the firewall function of the computer. If you do not, windows will ask you to disable it later in the process (See step 3 below).

1. After you have downloaded the zipped file, please unzip the file, and run the .exe file available in the folder and follow the below steps to configure the DS-510.



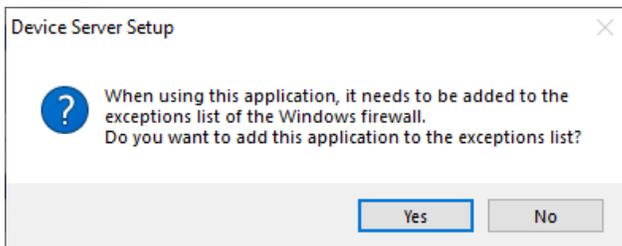
2. Click Device Server Configuration.



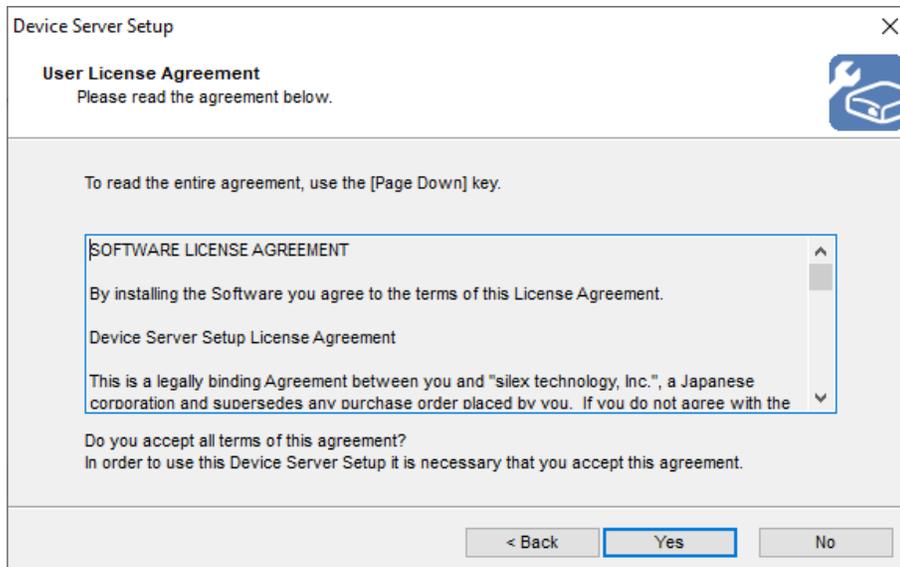
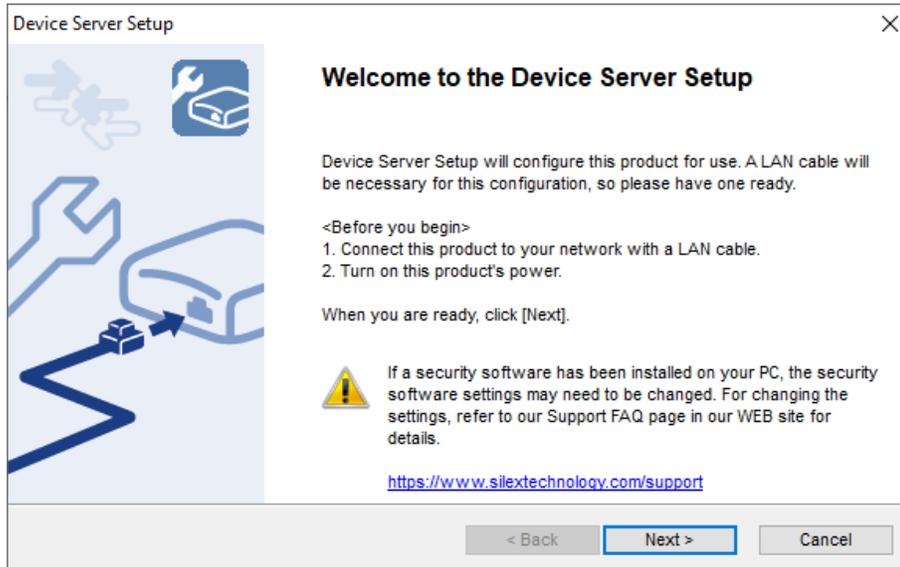
3. Configure using setup Utility. There are other ways to configure (refer to the user manual for details), but the recommended way for quick and easy setup is to use the setup utility.



If the firewall is enabled, windows will ask you to add this application in the exceptions list of your OS's Firewall. Please click "yes" to proceed.



4. The Device server setup process will start. Click “Next” to proceed. And accept the License agreement by clicking “Yes”.



- The utility will automatically detect and populate the ethernet MAC address of the DS-510. Click “Next”.

Select “Get UP Address Automatically” on the next screen and click “Next” to proceed.

Device Server Setup

Device Server Search
Enter the Ethernet Address printed on this product or select it from the list.

Ethernet Address: 84 : 25 : 3F : 27 : 90 : 79

Search result overview:

Ethernet Address	IP Address	Model Name
84:25:3f:27:90:79	192.168.1.131	DS-510

If the Ethernet Address is not detected, refer to the FAQ on our homepage.
<https://www.silextechnology.com/support>

Search

< Back **Next >** Cancel

Device Server Setup

Setting TCP/IP
Setting TCP/IP will proceed.

Get IP Address Automatically
 Assign IP Address

IP Address: 0 . 0 . 0 . 0
Subnet Mask: 0 . 0 . 0 . 0
Default Gateway: 0 . 0 . 0 . 0

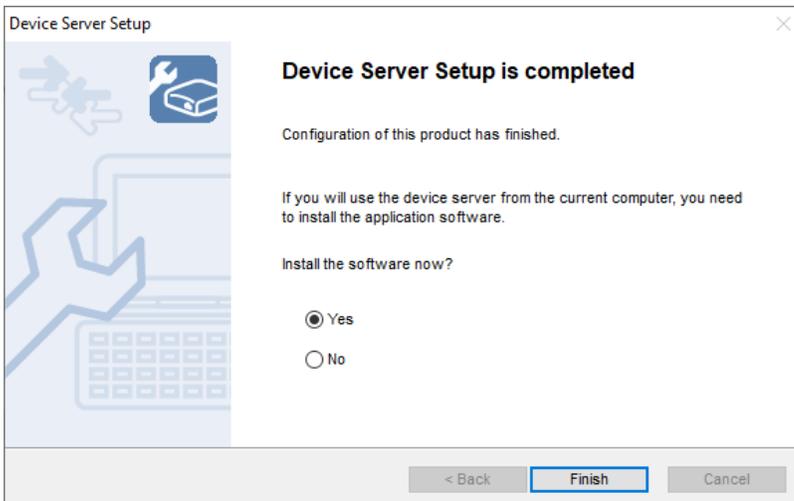
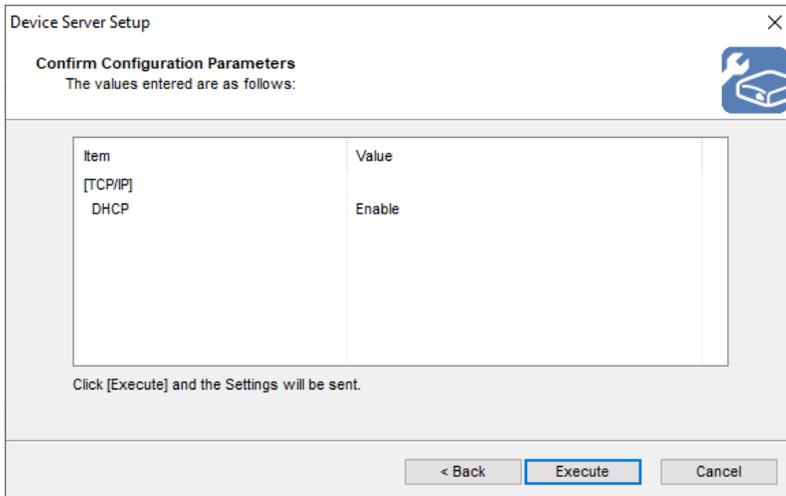
MEMO
If you select [Get IP Address Automatically], the DHCP server assigns an IP address to this product. If a DHCP server is not available, please manually assign an IP address.

< Back **Next >** Cancel

- By clicking “Execute” you will be able to send and save the configurations to the DS-510.

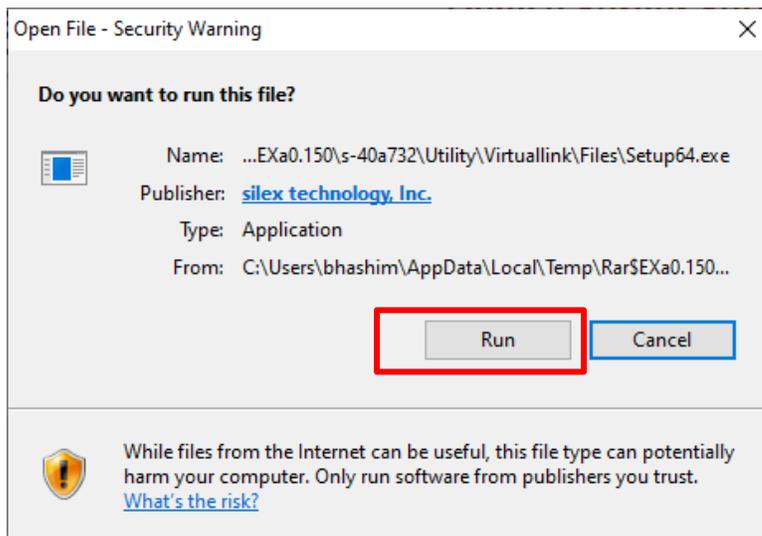
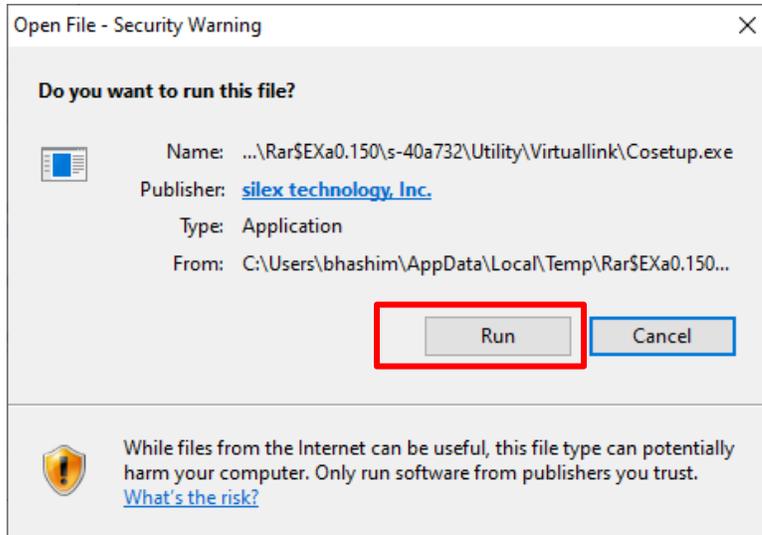
Upon the completion of this step, the utility will ask you if you want to download Silex’s SX-Virtual Link Software. SX Virtual Link is software that allows you to connect to USB devices across the network connected to Silex USB Device Servers. The way it works is that the software emulates a USB connection on the computer and makes the USB device (such as a printer) connected to the SX Virtual Link enabled device look as if it were directly connected. This makes it easy to connect and share USB devices on the network.

It is recommended you click “Yes” to begin installation.

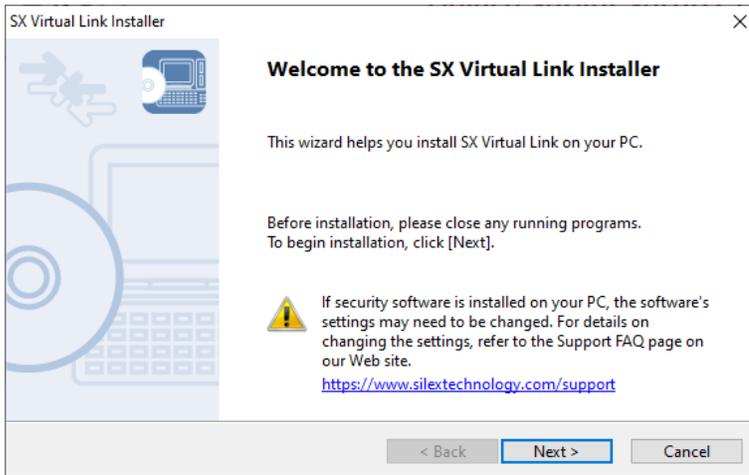


Install SX-Virtual Link Software

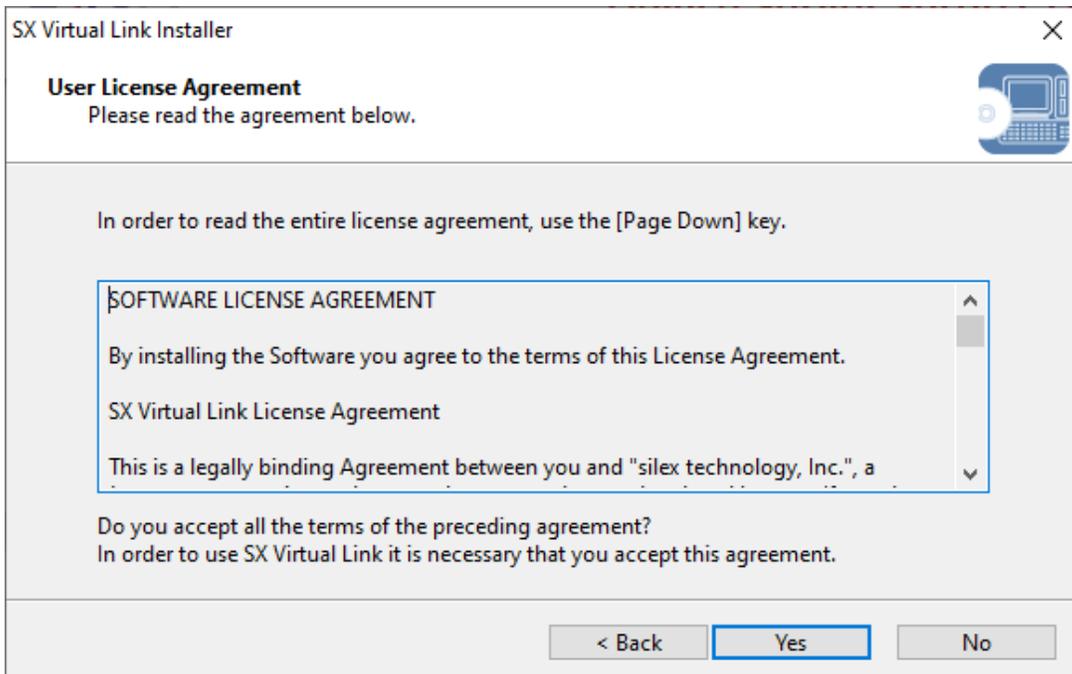
1. The following windows will open sequentially to run the .exe files to begin installation of the SX-Virtual Link Software. Click “Run”.



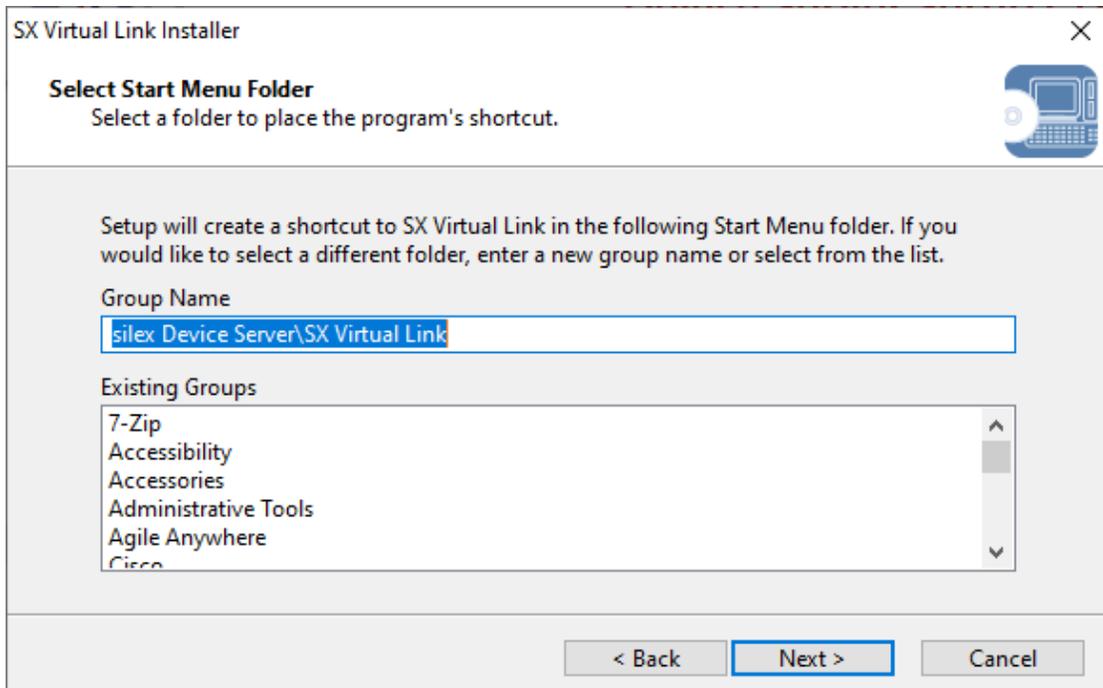
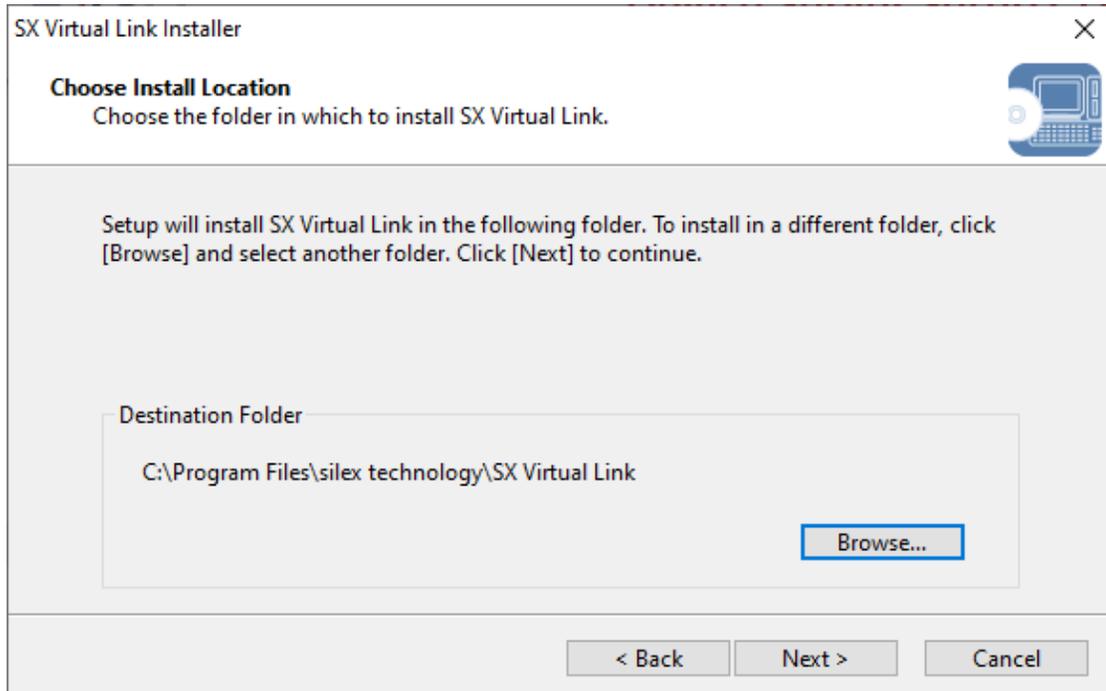
2. Click "Next" to begin installation.



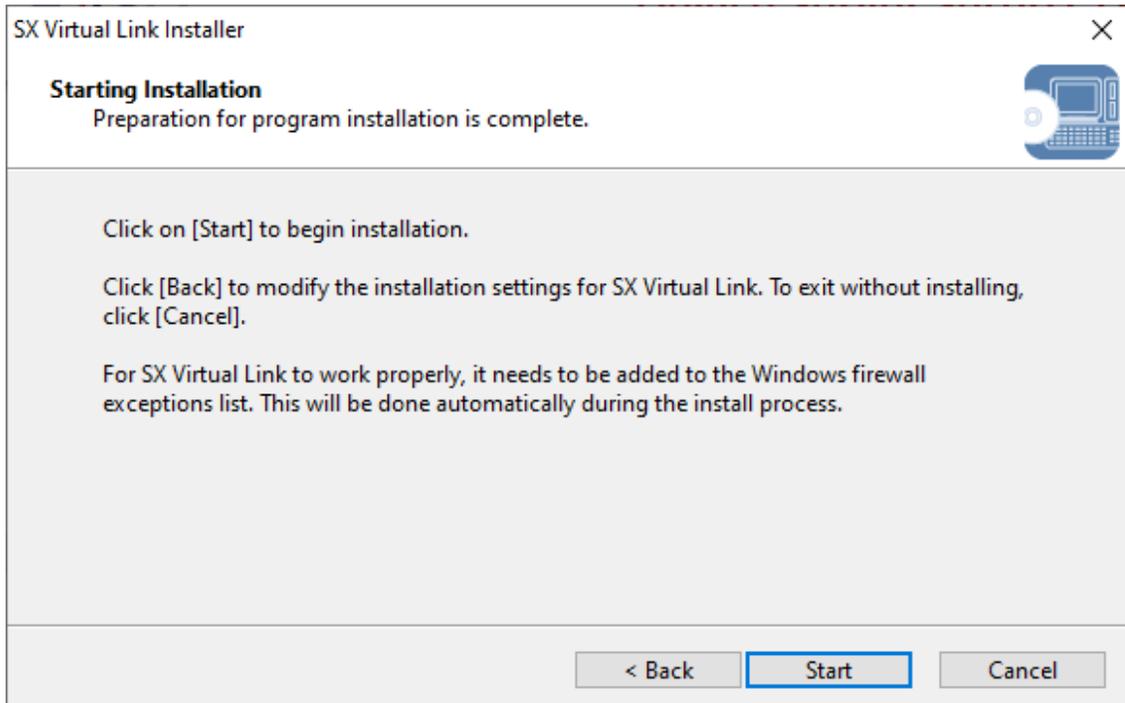
3. To use the SX Virtual Link software it is necessary to accept the license agreement. Click "Yes" to accept.



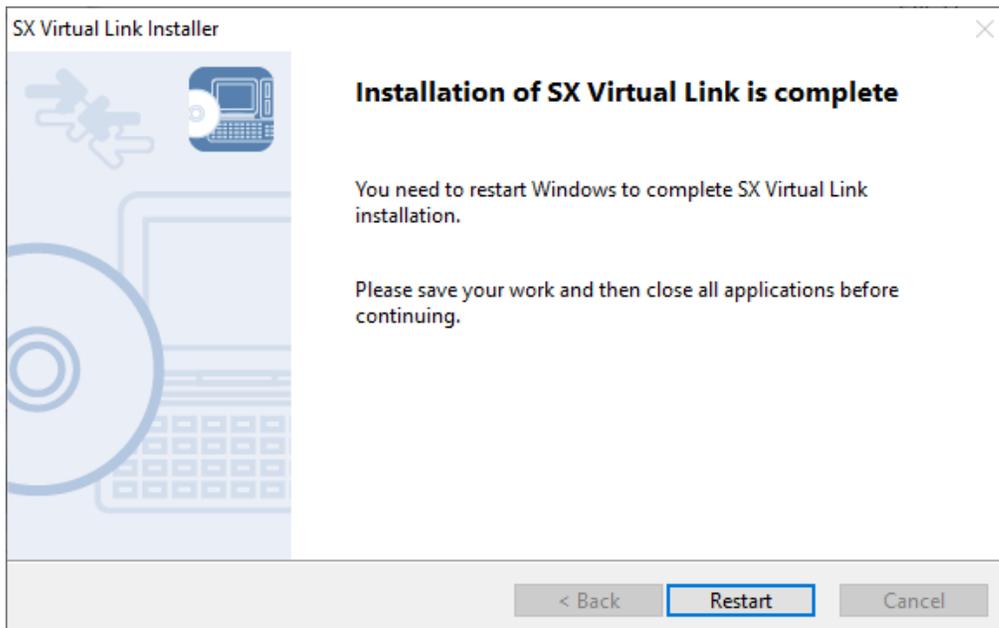
4. Browse to the folder (or leave it at default settings) in which you want to install the application software. Then click “Next” to continue. You can do the same and create a shortcut for the program in the Start Menu.



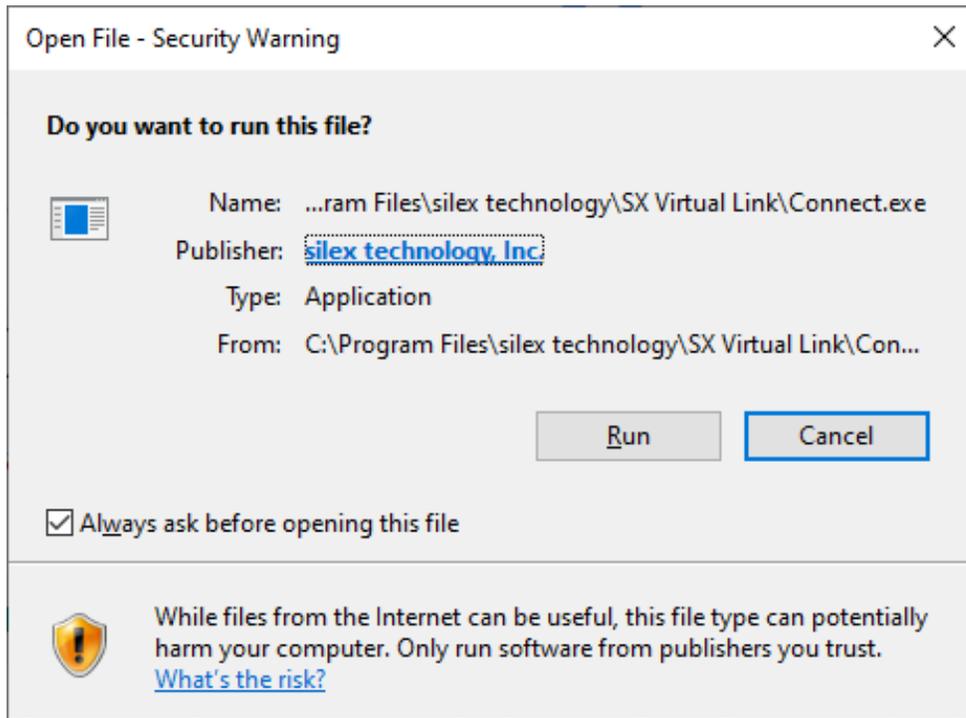
5. Click "Start" to begin installation.



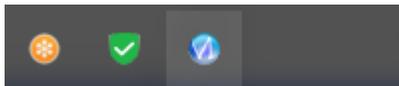
6. You will need to restart the computer to complete installation. Click "Restart".



7. Click "Run" to run the application. If you do not see this dialogue box, you can open the application from the start menu or from the task tray as shown in the next step



8. Click the application icon (🌐) in the task tray or click Start → All Programs → SX-Virtual Link → SX-Virtual Link.



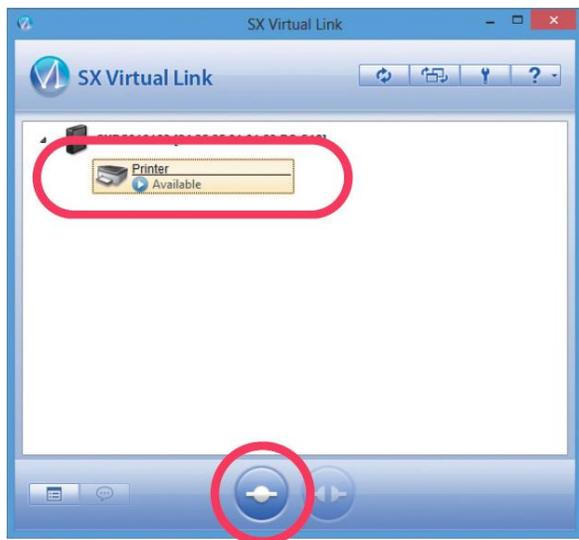
Manage USB Device Using SX Virtual Link

1. Connecting USB Devices

If you have not connected your USB device (e.g.: USB printer) to the DS-510, you will see the DS-510 on your network as shown below. The options below will be greyed out.

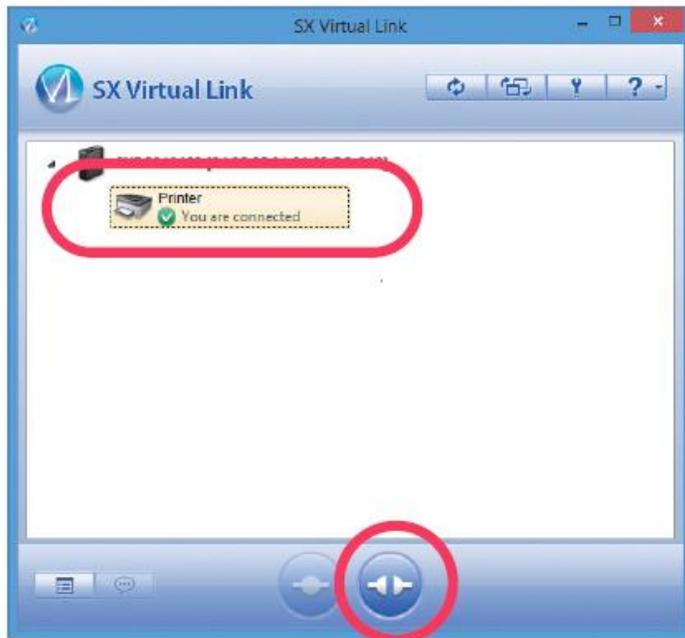


If you have the printer or any other USB device connected to the DS-510, you will see it appear as shown below. The USB device can be connected when the status button icon () is displayed. Select the USB device and click the **Connect** button ().



2. USB Device Availability

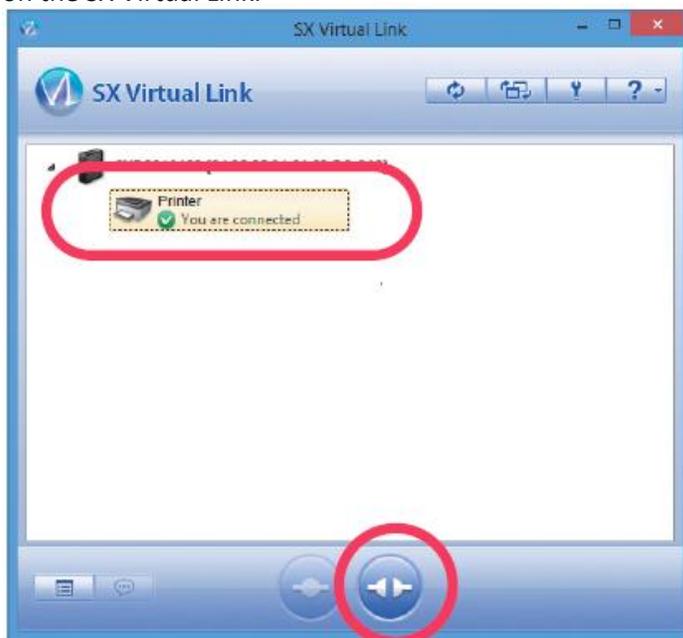
The Plug and Play function automatically creates an appropriate environment to use the selected device. The USB device will be ready to use once the status icon has changed to (✓).



Note: Only one USB device can be connected at a time. When the USB device is in use by another computer, the status icon (👤) is displayed, which means that the USB device is not available now.

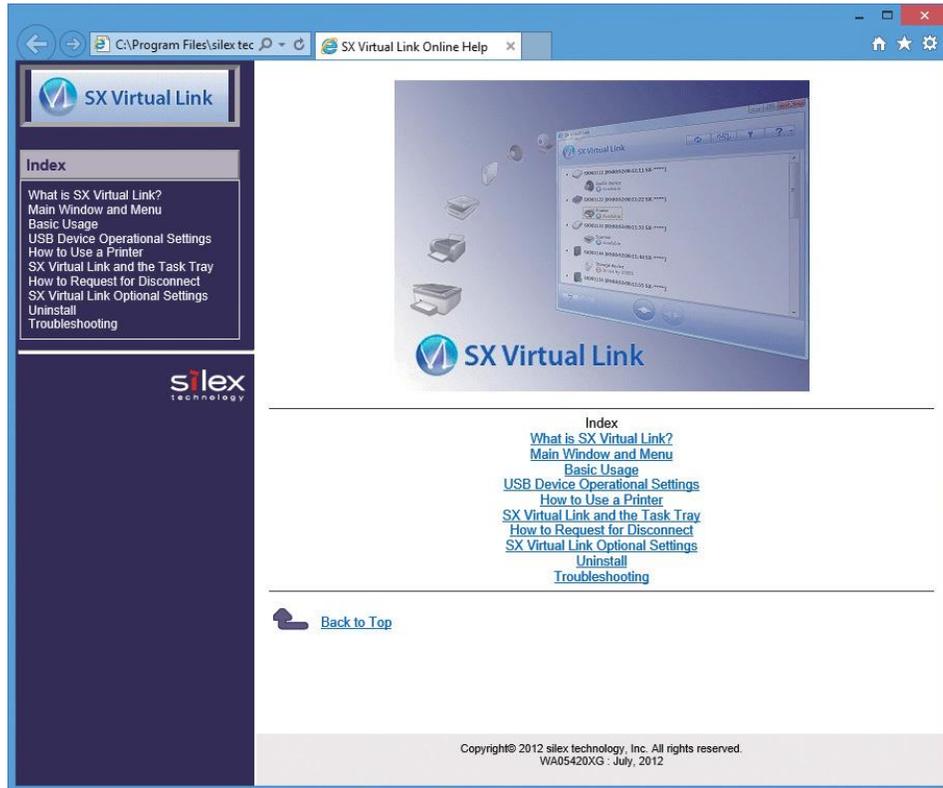
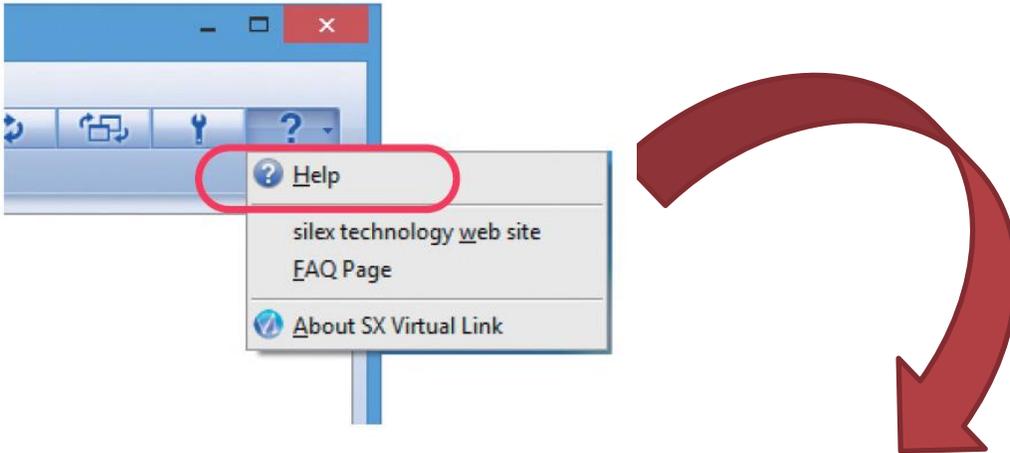
3. Disconnecting USB Devices

When you have finished using the USB device, disconnect the device by selecting it and clicking the “Disconnect” button (↔). The USB device can also be disconnected by selecting and double clicking on the SX Virtual Link.



4. Accessing Online Help

Click the help button () and select **Help** from the menu as shown below.



Appendix

Setting up High Performance USB Device Server (DS-600)

The setup is the same as the DS-600 as described above. Follow the same exact steps.