

Quick Installation Guide

Copy-Paste Tool

The Copy-Paste Tool is used to transfer data between Windows computers over High Sec Labs' (HSL) commercial KM, KVM, Mini-Matrix, and Combiner switches. This allows easy, high-speed information sharing. The data is transferred using the HSL switch product only, with no need for a network connection between the Sending and Receiving Computers.

Note: The Copy-Paste Tool is designed to be used only with HSL's commercial switching devices and will not work with a secure device. To use the Copy-Paste Tool with a secure device, connect the device to a CPN11-4 Configurable Copy-Paste Filter.

Installation

- Download and install the Copy-Paste Tool on Windows PCs, which will act as the Sending and Receiving Computers. The latest version of the Copy-Paste Tool can be downloaded here: <https://highseclabs.com/solutions/coppypaste/>
- Connect each computer to the switching device via its USB B ports.
- To copy and paste files as well as data, connect an external USB drive with at least 1GB of available storage to the switch's Console USB port to store copied data.

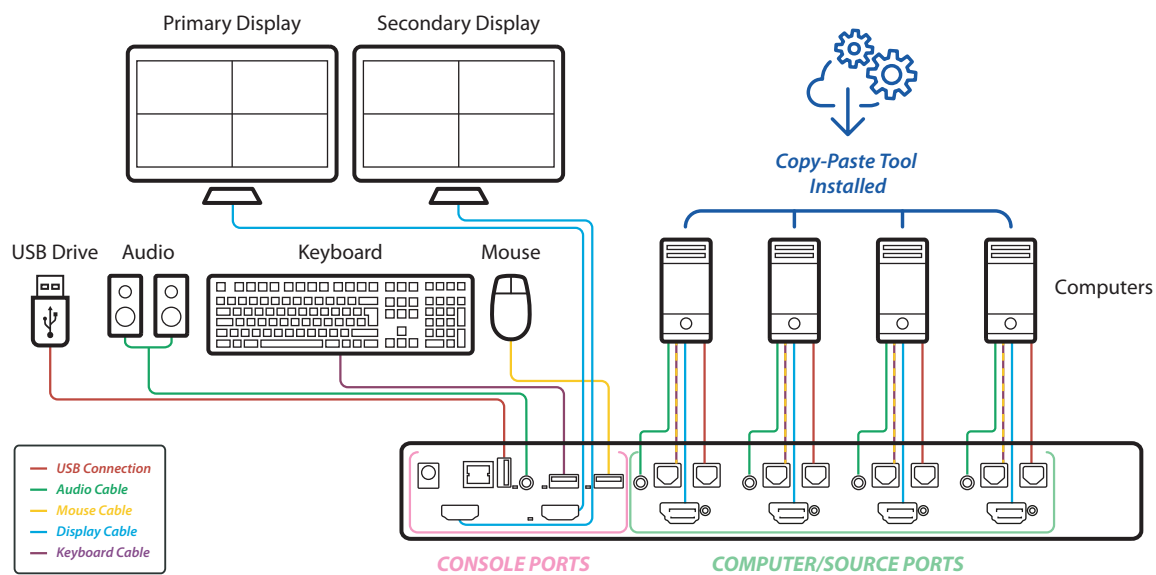


Figure 1: Connecting Computers to a KVM Switch via USB

Enable on Switching Device

To enable copy and paste on an HSL commercial KVM Combiner, enter the key combination **LCtrl | RCtrl | q**.

To enable Copy and Paste on an HSL commercial KM Switch, KVM Switch, or Mini-Matrix, open Notepad on the desired source PC. Then, enter Terminal Mode on the switching device by entering **LCtrl | RCtrl | t**. Once Terminal Mode is opened, enter **LCtrl | RCtrl | q**.

Note: The switching device will not provide indication that Copy & Paste has been enabled. To confirm it is enabled, open the Device Manager on the source PC and confirm that a new COM port has been created.

This procedure must be performed on each individual source PC on which Copy and Paste is to be enabled.

For further information regarding Terminal Mode, consult the HSL Administrator Guide, which can be found here: https://highseclabs.com/dow_type/admin-guidance/

Configuration

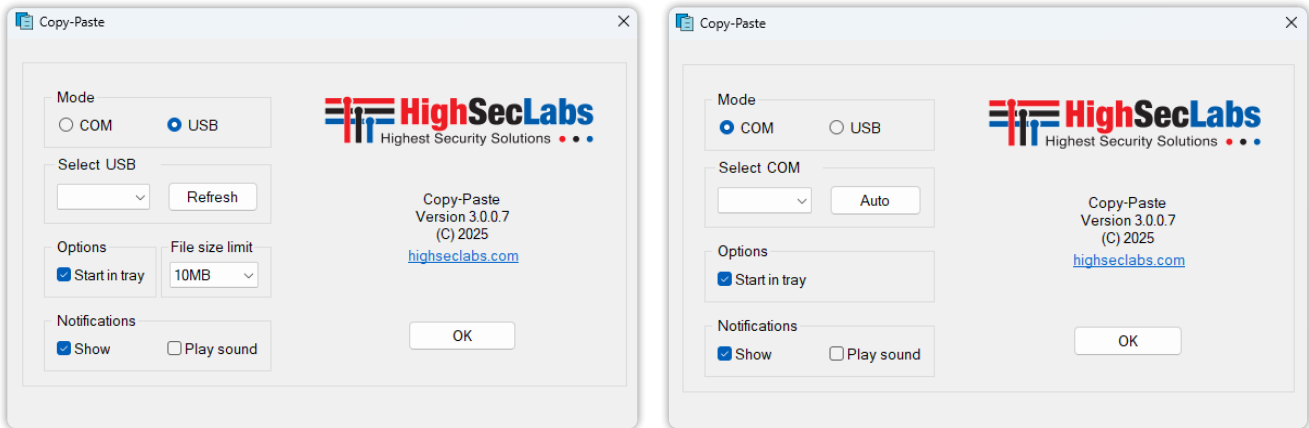



Figure 2: (Left) The Copy-Paste Tool control panel in USB Mode. (Right) The Copy-Paste Tool control panel in COM Mode.

- Open the Copy-Paste Tool on both the Sending and Receiving Computers. The desktop icon appears as .
- Select the mode in which the Copy-Paste Tool connects to the Sending and Receiving Computers, either connecting directly via USB or using device emulators to connect via simulated COM ports.
 - Connecting via USB requires an external USB drive to store copied data and can be used to copy both text and files.
 - Connecting via COM uses the switching device's internal memory and can be used to copy up to 3,000 characters of text. This can be useful for copying text strings, ID numbers, or lines of code from one computer to another.
- Select the USB or COM port to connect to each computer, either



selecting manually or allowing the Copy-Paste Tool to find the correct port automatically.

- If in USB Mode, set the maximum file size (up to 100MB) on both devices.
- Select whether the Copy-Paste Tool will start in the Windows system tray (the Tool will start in the tray by default).
- Select whether the Copy-Paste Tool will show notifications and/or play a sound.
- Select "OK" on both the Sending and Receiving Computers to connect.

Operation



Transfer Files with USB Method:

Note: Copying files is only possible when connecting via USB ports, and only with HSL's family of commercial switching devices.

- Select the file on the Sending Device, and copy using right-click or **Ctrl | c**.
- The Copy-Paste Tool will send the notification "Copy Successful" on the Sending Computer. Depending on the file size, this may take anywhere from a few seconds to a few minutes.
 - In addition, the tool icon will temporarily change to .
- If the copy was unsuccessful, the Copy-Paste Tool may send one of the following notifications:
 - File Too Large: the file has exceeded the 100MB size limit.
 - Communication Lost: the Sending Computer has lost its connection.
 - Transfer Interrupted: the data was not successfully copied by the switch before switching channels to the Receiving Computer.
 - In addition, the tool icon will temporarily change to .
- Upon a successful copy, the Copy-Paste Tool will send the notification "Data Received" on the Receiving Computer. This may take a few seconds.
- Paste using right-click or **Ctrl | v**.

Transfer Text with COM Method:

Note: It is only possible to copy text when connecting via COM ports.

- Select the text on the Sending Device, and copy using right-click or **Ctrl | c**.
- The Copy-Paste Tool will send the notification "Copy Successful" on the Sending Computer. This may take a few seconds.
 - In addition, the tool icon will temporarily change to .
- If the copy was unsuccessful, the Copy-Paste Tool may send one of the following notifications:
 - Textual Information Too Large: the copy operation failed because the text exceeded the 3,000-character size limit.
 - Communication Lost: the Sending Computer has lost its connection.
 - In addition, the tool icon will temporarily change to .
- The Copy-Paste Tool will send the notification "Data Received" on the Receiving Computer. This may take a few seconds.
- Paste using right-click or **Ctrl | v**.

Note: HSL's Copy-Paste Tool automatically probes for COM ports to connect. To use another program that connects via a COM port, select the Copy-Paste Tool in the PC's Task Manager and select "End Task."