

SENDING JOBS FROM MAC OSX TO DIGITAL FACTORY

Use this workflow to print directly from Mac OSX applications to a shared (Digital Factory) printer under Windows. Once configuration is complete, the **File** menu >> **Print** command will be used to send jobs across the network to Digital Factory.

Note: This workflow uses Windows remote printer sharing in combination with Samba (SMB) networking protocol. For an alternative workflow that uses **Hot Folders**, please refer to “*Sending Jobs from Non-Windows Computers*” in the Digital Factory User Guide.

Note: For Windows remote printer sharing, the computers must be either **BOTH** 32-bit Windows, or **BOTH** 64-bit Windows. Otherwise, a mismatch between 32-bit and 64-bit will cause a Windows driver incompatibility that prevents jobs from proceeding.

In the following procedure, the gray boxes represent steps that are necessary in order to include cut paths with your print job (i.e., to create a print&cut job). If you wish to complete a print-only job, then skip the steps in gray.

In Digital Factory

1. From the toolbar, click the **Start Queue** button.
2. Choose **Queue** menu >> **Manage Queues**.
3. In the **Control Panel** column, click the **Install** button, such that the queue is available as a print destination for other Windows applications.
4. Click the **Close** button.

Print&Cut

5. Choose **Queue** menu >> **Properties** >> **Color Actions** tab.
6. Click **Add Color** to define a specific vector color (CMYK or named) that Digital Factory will recognize as a cut path.
7. Click **OK** to close the **Queue Properties** dialog.

Enable Windows Remote Printer Sharing

(On the Windows computer that has Digital Factory)

8. From the **Start** menu, open the Windows **Printers and Faxes** (This is also available through the Control Panel).
9. In the list of printers, the queue name will be listed as one of the available printers.
The **Comments** column will indicate that this is a “CADlink Printer,” and the **Model** column should indicate the printer model.

10. Right-click the queue name, and choose **Printer Properties** >> **Sharing** tab.
(For older Windows versions, choose **Sharing** from the context menu.)

11. On the **Sharing** tab, click the **Share this printer** option.

12. For the **Share** name, type a meaningful name that has no spaces between words. This name will appear to design computers when they are connecting to the Digital Factory computer.

Do not create a name that has spaces between words because this will cause an authentication error when attempting to send print jobs via Samba networking protocol.

Older Windows may initially truncate the share name to eight (8) characters, which is a precaution against incompatible filename lengths with older Windows versions.

13. Click **OK** to close the **Properties** dialog.

Make Note of the Computer Name and Domain

(Again, on the Windows computer that has Digital Factory)

1. Go **Start** menu >> **Control Panel** >> **System and Security**.
2. Within the **System** section, click “**See the name of this computer**”
3. Make note of the **Computer Name**, which is the unique name that identifies this computer on the network. We will refer to this name later as **computer_name**.
4. Make note of the **Domain**, which is the unique name that has been assigned to the network that the computers belong to. We will refer to this later as **domain_name**.

Note that the **Full computer name** is often listed in the form:

computer_name.domain_name

Add the Shared Printer to Mac OSX

(On the Mac OSX computer that has the design application)

1. Go to **System Preferences**.
2. Click **Print & Fax**.
3. Click the ‘+’ button to open the **Add Printer** dialog.
4. Right-click within the toolbar and choose **Customize Toolbar**.
5. From the selection of icons, drag the **Advanced** icon into the toolbar.
6. Click the **Done** button.
7. Click the **Advanced** button (i.e., the icon that you just added to the toolbar).
8. From the **Type** drop-list, choose **Windows**.
9. In the **URL** field, type the SMB path for the shared printer, which should be in the following form:

smb://user_name:password@domain_name/computer_name/printer_name

Note: After the printer has been shared, the user name and password will be hidden when inspecting the SMB path.

10. For the **Name** field, type a meaningful name that users will recognize as the shared printer (i.e., this name will be the selected printer in **Print** dialogs).
11. From the **Print Using** drop-list, choose **Generic PostScript Printer**.
12. Click the **Add** button.
13. An **Installable Options** page will list hardware options. Click **Continue**.
14. The **Print & Fax** dialog will now list the shared printer.

In the Design Application

19. In the design application, prepare the print design.

Print&Cut

20. Create a shape that will represent the cutting path.
21. For the cut path shape, assign an invisible fill, and create a hairline stroke that uses the color set in step (6).
22. Choose **File** menu >> **Print**.
23. From the **Printer** drop-list, choose the shared printer (i.e., which will send jobs to Digital Factory).

EDITING THE SMB PATH IN MAC OSX

If the user name, password, or other part of the SMB path need to be updated, then either you can repeat the procedure for adding a shared printer to Mac OSX, or you can use the following procedure to edit the SMB path:

1. Launch the **Safari** web browser.
2. In the address bar, type the following address: **localhost:631**
3. Browse and select the (Digital Factory) printer that was shared from the Windows computer.
4. Choose **Modify Printer** from the drop-list.
5. The **Current Connect** field should indicate an SMB path in the following form. Note that the previously entered user_name and password are hidden.

smb://domain_name/computer_name/printer_name

6. Click the **Windows Printer via SAMBA** option.
7. Click the **Continue** button.
8. Edit the smb path as desired, and include the user login and password, as follows:

smb://user_name:password@domain_name/computer_name/printer_name

9. Click the **Continue** button.
10. Click the **Continue** button again.
11. Click the **Modify Printer** button.

CONNECT TO A SHARED WINDOWS DIRECTORY

The following procedure will authenticate a Mac OSX computer to access shared directories on a Windows system, such as a Hot Folder for sending jobs to Digital Factory.

From the Windows Computer

1. Right-click the directory and choose **Properties**.
2. From the **Sharing** tab, choose to share the folder.
3. Click **OK** to accept the **Property** dialog settings.

From the Mac OSX Computer

1. Click the background workspace of the Mac OSX desktop, such that the **Finder** is active.
At the top-left of the desktop, to the left of the **File** menu, there will be a **Finder** menu.
2. Choose **Go** menu >> **Connect to server**.
4. The **Connect to Server** dialog will open.
5. In the **Server Address** field, type the SMB path in the following form:
smb://domain_name/computer_name/printer_name
6. Click the '+' button to add the address to the list of **Favorite Servers**.
8. Click the **Connect** button.
9. Mac OSX will query for login information (tick the checkbox to add this login information to the keychain).
10. A **Finder** window will now display the contents of the shared folder, and the Mac OSX system has access permissions to the shared directory.