



# SYSTEM **SOFTWARE K**

KIP MAC PPD Installation and User Guide



# KIP MAC PPD Installation and User Guide



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## 1. Introduction

Mac and Unix printing to the KIP Monochrome and Color systems is accomplished via standard LPD/LPR printing. On Mac systems, a standard Postscript output is directed to queue name on the KIP KCS. On Unix systems, the application responsible for print output can be directed to transmit any of the compliant file formats to the queue name of the KIP KCS. On the KIP KCS, each queue name is configured for several print options such as scaling, folding/stamping, copy count, and media type.

### ***System Requirements***

Current Macintosh systems such as OSX are compatible with LPD/LPR output and it is mainly necessary to verify the file format exported to file (TIF, JPEG, PDF, EPS/PS) for use in PrintPro.Net or file data transmitted via LPD/LPR (usually Postscript) to the KIP KCS.

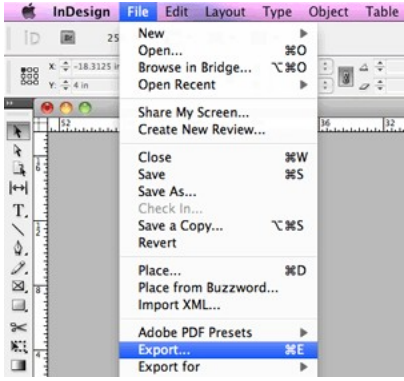

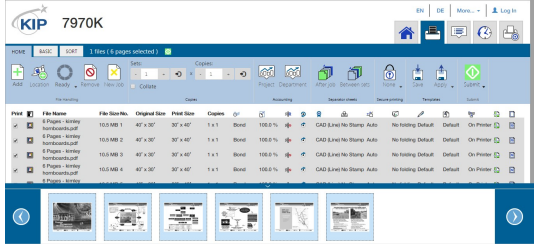
Unix systems mainly require that the application output any of the accepted formats that the KIP systems are compatible with including HPGL, HPGL/2 ,HP-RTL, Monochrome TIF and TIF (Grayscale or Color), JPEG, PDF, and EPS/PS.

**This document refers to printing to the KIP 770K, 7170K, 7570K, 7970K, 700, 800 and 900 Series KIP Systems.**

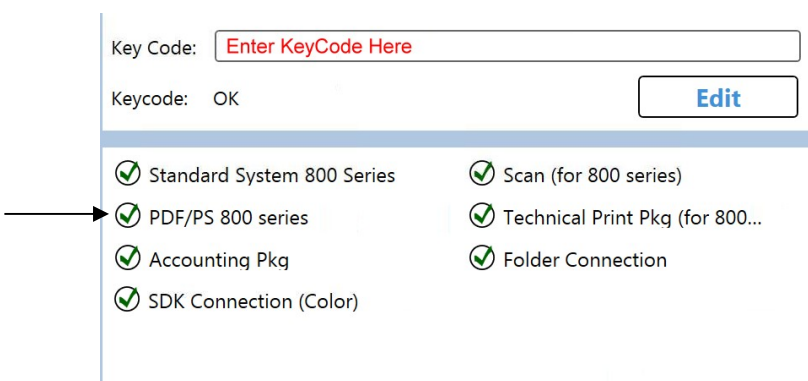
## 2. Configuring a TCP/IP Desktop printer in Macintosh OS X

There are two main methods of printing from Macintosh based systems to KIP Monochrome and Color systems.

### **Method #1 – Print to file, then use PrintPro.Net**

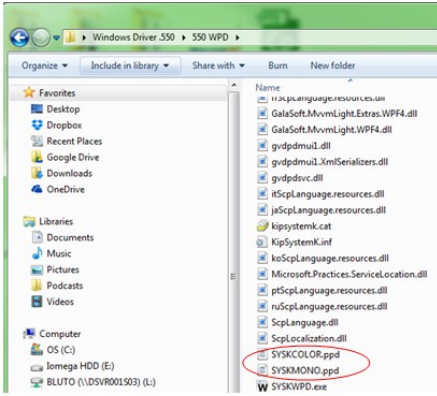
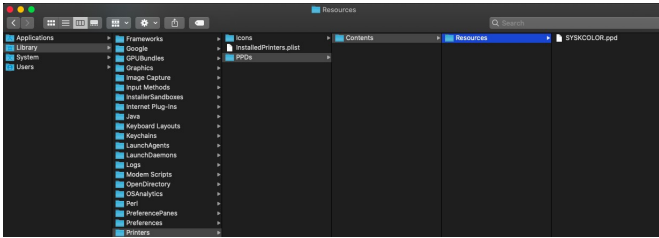


Step	Action	Illustration
<p>In the first method, the operator uses the Macintosh application to generate an acceptable file format (PDF, PS/EPS, Jpeg, TIF etc) and then uses PrintPro.Net via the Macintosh web browser to send the print data. No additional setup or configuration is required on the Mac or KCS system. Simply export to an acceptable file format and open the browser on the Mac and type in the IP address of the KIP system. Add the files to print and use any of the following print parameters:</p> <ul style="list-style-type: none"> <li>• Copy Count</li> <li>• Change Page Size via Percentage or Force Size</li> <li>• Color vs Monochrome setting (for KIP Color systems)</li> <li>• Collated set</li> <li>• Recall and reprint</li> <li>• Save job/recall job</li> <li>• KIP Track Accounting data</li> <li>• Manage the Print Queue (Admin)</li> <li>• Alter the Printer Settings (Admin)</li> </ul>		
1.	<p>On Mac graphics application: Export file to local drive. (TIF,PDF,Jpeg,EPS/PS)</p>	
2.	<p>On Mac – Use Safari or other web browser to access KIP PrintPro.NET via IP address of printer, choose files and Submit a job</p> <div style="text-align: center; margin-top: 20px;">  </div>	

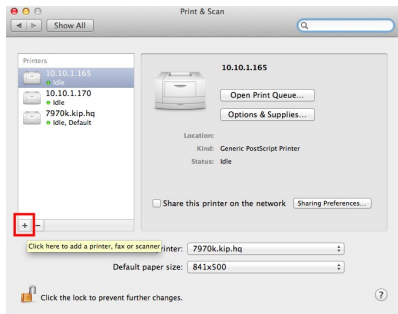
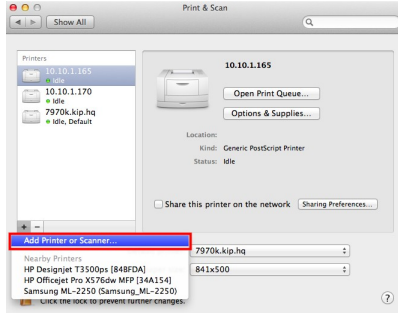
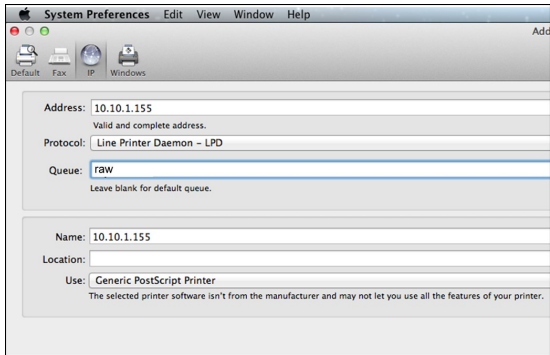
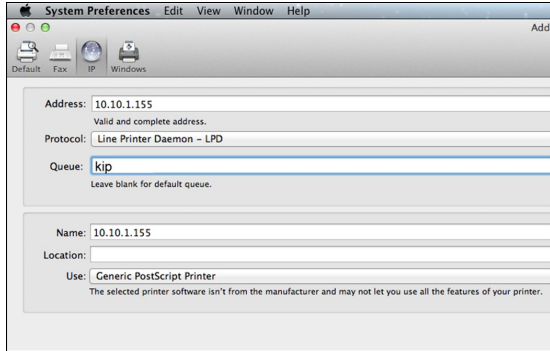
## Method #2 – Direct Printing from Mac application to the KIP

Step	Action	Illustration
	<p>In this method, the operator will use the Macintosh systems built-in Postscript output to transmit Postscript data via LPD/LPR to a specific queue name located on the IPS. The Macintosh system can generate large format page sizes based on reading the page sizes from the KIP PPD (Postscript Printer Definition File). Each queue name on the KCS can be strictly setup for a series of parameters:</p> <ul style="list-style-type: none"> <li>• Copy Count</li> <li>• Percentage/Force Size</li> <li>• Color/ Monochrome</li> </ul> <p>The setup process will require an admin or technician to access the KIP KCS and also the knowledge of adding the KIP PPD to the Mac system. Each LPD/LPR Queue can contain 1 set of print parameters configured by the admin and cannot be altered from the Macintosh based system prior to printing. <b>Note:</b> this is the least flexible method of printing but it does allow direct printing from the application. <b>Note:</b> for the KIP systems – it is necessary to purchase the “KIP PDF/PS” option for Postscript printing.</p>	
1.	<p>For the KIP Color systems – It is necessary to purchase the “KIP PDF/PS” option for Postscript printing.</p>	
2.	<p><u>Setup overview</u>  MAC – Setup the Mac system with KIP PPD and point it to an LPD/LPR Printer to the KIP IP address and Queue name “KIP”.</p> <p>KIP KCS(at the printer) – configure the Print Parameters for LPD/LPR Queue name: “raw”</p>	
3.	<p><u>Printing overview</u>  Mac – Print to the Mac printer object configured for one of the Queue names.</p> <p>KIP KCS (at the printer) – By reading the LPD/LPR Queue name in the header, the KCS will automatically use the configured Print Parameters to convert and print the PS data coming from the Mac system.</p>	

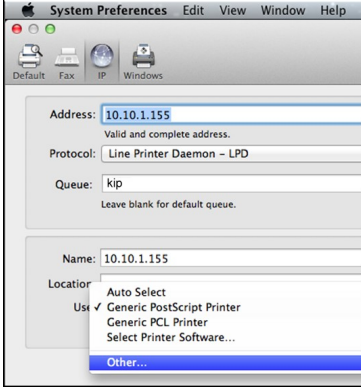
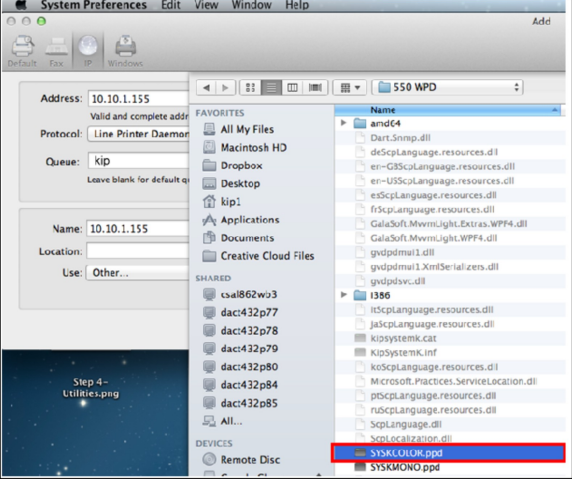
## Macintosh Printer Setup

The following steps will walk you through the procedure for setting up a Macintosh system for TCP/IP printing. These steps apply to Macintosh OS X:

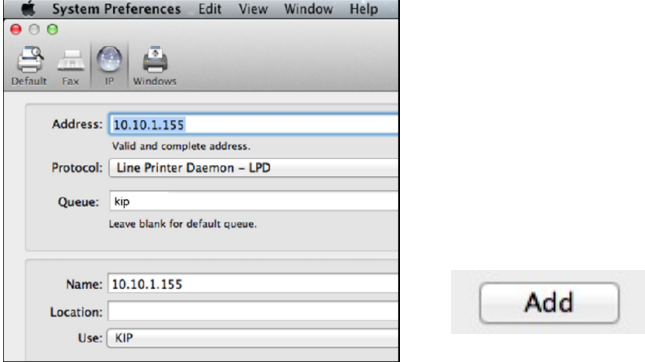
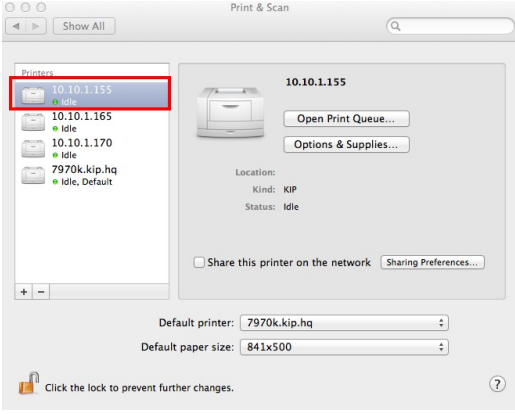
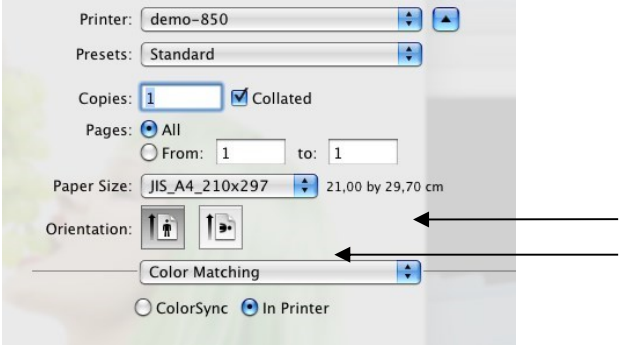
Step	Action	Illustration
1.	Adding the KIP PPD to the Macintosh system: Locate the KIP PPD (Page Definitions) stored with the Windows Driver Package on the KIP Software Operation Guide Disk or contained in the Windows Driver installer when downloaded from the KCS via PrintPro.Net (KCS address of the printer). Place this on a flash drive or copy it to the desktop of the Mac system.	
2.	Copy the PPD file into the following folder: /Library/Printers/PPDs/Contents/Resources	
3.	On the desktop open the System Preferences.	
4.	Once the System Preferences folder is open select the "Print & Scan" icon.	

Step	Action	Illustration
5.	Once the Print & Scan folder is open select the Add a printer button (+)	
6.	From the available menu select the “Add Printer or Scanner”	
7.	<p>Once the Add Printer or Scanner window opens select IP tab at the top and fill in the necessary information.</p> <p>Address – IP Address of printer                      Protocol – Line Printer Daemon – LPD                      Queue – <b>KIP System K</b> - use “raw” as the Queue Name (raw will be lowercase).  <b>Non System K</b> - use “kip” as the Queue Name (kip will be lowercase).                      Name – Auto populates with the IP Address, can be changed to a unique printer name (i.e. KIP860)                      Use – Browse to the KIP .PPD file located in the root of the KIP Windows driver folder.</p> <p><b>Note: see section 3 for Configuring Queue.</b></p>	<p style="text-align: center;"><b>System K</b></p>  <p style="text-align: center;"><b>Non- System K</b></p> 

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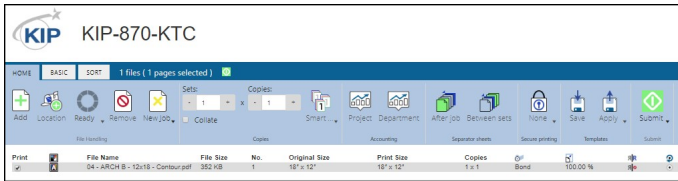
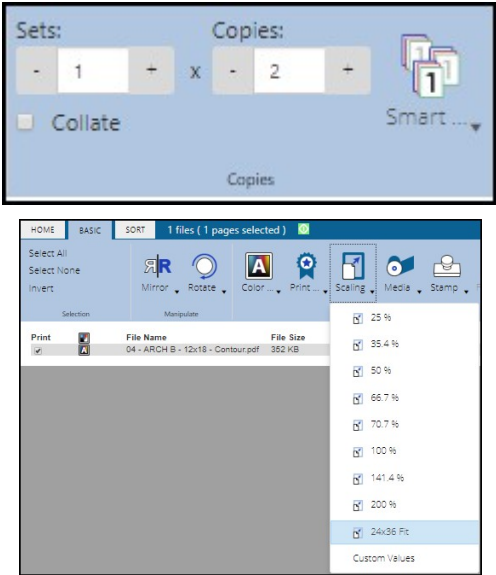
Step	Action	Illustration
8.	Open the Dropdown for “Use” and select “Other”	 <p>The screenshot shows the 'System Preferences' window for printer configuration. The 'Address' field is set to '10.10.1.155'. The 'Protocol' is 'Line Printer Daemon - LPD'. The 'Queue' is 'kip'. The 'Name' is '10.10.1.155'. The 'Location' dropdown is open, showing options: 'Auto Select', 'Generic PostScript Printer', 'Generic PCL Printer', 'Select Printer Software...', and 'Other...'. The 'Other...' option is highlighted.</p>
9.	<p>Browse to the location of the KIP MAC .ppd files and select the desired .ppd file.</p> <p>Select the SysKColor.ppd if the KIP is a color printer or SysKMono.ppd if the KIP is a Black and White printer.</p>	 <p>The screenshot shows the 'System Preferences' window with the 'Use' dropdown set to 'Other...'. A file browser window is open, showing the contents of the '550 WPD' folder. The file list includes various system files and folders. At the bottom of the list, two files are highlighted: 'SYSKCOLOR.ppd' and 'SYSKMONO.ppd'. A red box highlights these two files.</p>

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Step	Action	Illustration
10.	The “Use” will now display KIP. Select the Add button to add the printer.	
11.	This will add the KIP Printer to the list of available printers.	
12.	Color Matching – in some versions of the MAC OS it may be necessary to choose “Color Matching” and “In Printer” in the print dialog, otherwise all prints are monochrome prints.	

## 3. Configuring the Print Parameters for the Queue Name on the KIP KCS for Mac and Unix printing

The Queue name and parameters are very important and need to be configured by using KIP Print Pro or KIP PrintPro.NET. This will allow the queue to be configured with all of the desired settings by creating a Template. This template once named and saved will be the queue name used. The below steps show the creation of a print queue using KIP Print Pro.

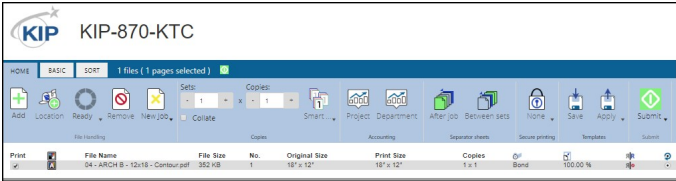
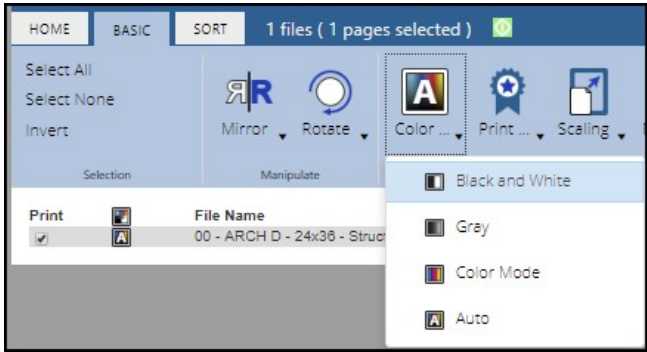
Step	Action	Illustration
1.	Open KIP PrintPro.Net and add a file (this will make all of the buttons active).	 <p>The screenshot shows the KIP PrintPro.NET application window titled 'KIP-870-KTC'. The interface includes a menu bar (HOME, BASIC, SORT) and a toolbar with various icons. A file named '04 - ARCH B - 12x18 - Contour.pdf' is loaded, with a file size of 352 KB. The 'Copies' field is set to 1, and the 'Collate' checkbox is checked.</p>
2.	<p>Make the necessary changes to create the queue with the options necessary.</p> <p>Example:</p> <ul style="list-style-type: none"> <li>• Change number of copies to 2.</li> <li>• Change Scaling to DFit (24x36 Fit)</li> </ul>	 <p>The first screenshot shows the 'Copies' configuration panel where the number of copies is set to 2. The 'Collate' checkbox is checked, and the 'Smart' button is visible. The second screenshot shows the 'Scaling' dropdown menu with '24x36 Fit' selected. The background shows the same application window as in the first screenshot, but with the 'Scaling' menu open.</p>




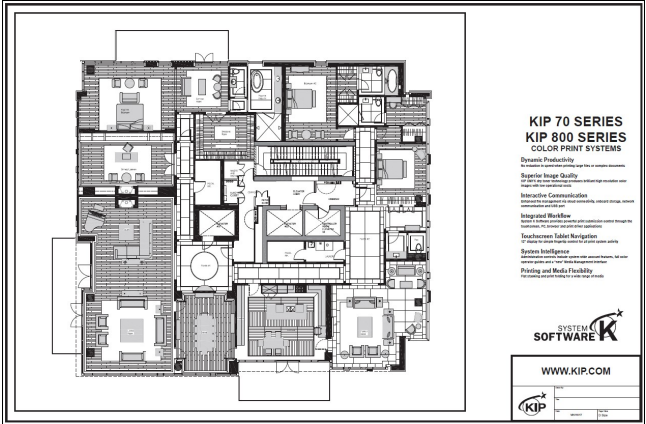
Step	Action	Illustration
3.	<p>Save this template. This saved Template name will become the QUEUE Name.</p> <p>Queue names are case sensitive and have to be entered correctly so if possible keep the queue name simple.</p>	
4.	<p>From the Macintosh/Unix side when jobs are sent to the queue name of 2436Fit_2copies the user will receive 2 copies printed at 24x36 scaled to fit.</p>	<p><b>2 Copies @ 24x36 Scaled to Fit</b></p>

## 4. Configuring the Print Parameters for Black and White printing on a Color KIP

The Queue name and parameters are very important and need to be configured by using KIP ImagePro (if a Windows PC is available) or KIP PrintPro.NET. This will allow the queue to be configured with all of the desired settings by creating a Template. This template once named and saved will be the queue name used. The below steps show the creation of a print queue using KIP PrintPro.Net.

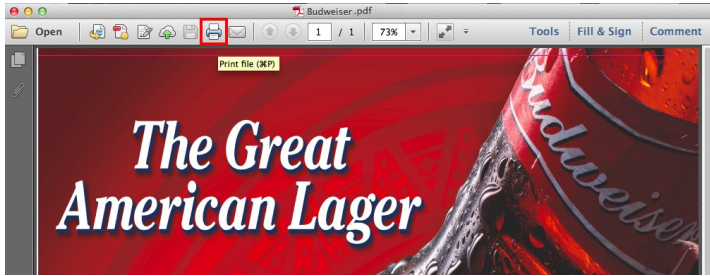
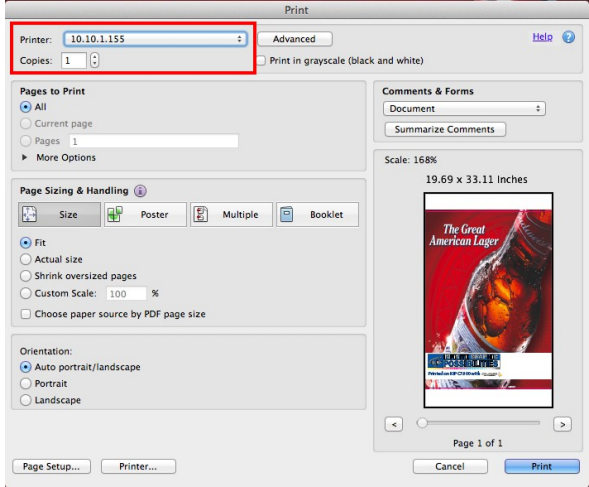
Step	Action	Illustration
1.	Open KIP PrintPro.Net and add a file (this will make all of the buttons active).	 <p>The screenshot shows the KIP PrintPro.NET software interface. At the top, it says 'KIP KIP-870-KTC'. Below that, there are tabs for 'HOME', 'BASIC', and 'SORT'. The 'BASIC' tab is active. In the center, there are several icons for file operations like 'Add', 'Location', 'Ready', 'Remove', 'New Job', and 'Collate'. Below these are more icons for 'Smart', 'Project', 'Department', 'After job', 'Between sets', 'None', 'Save', 'Apply', and 'Submit'. At the bottom, there is a table with columns for 'Print', 'File Name', 'File Size', 'No.', 'Original Size', 'Print Size', 'Copies', and 'Band'. The table shows one file: '04 - ARCH B - 12x18 - Combur.pdf' with a size of 352 KB and 1 page. The 'Color' dropdown menu is open, showing options: 'Black and White', 'Gray', 'Color Mode', and 'Auto'.</p>
2.	<p>Make the necessary changes to create the queue with the options necessary.</p> <p>Example:</p> <ul style="list-style-type: none"> <li>Change the Color Mode from Automatic to Black and White.</li> </ul>	 <p>This is a close-up screenshot of the 'Color' dropdown menu from the previous screenshot. The menu is open, showing four options: 'Black and White' (selected), 'Gray', 'Color Mode', and 'Auto'. The 'Color' dropdown is located in the 'Manipulate' section of the software interface.</p>

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Step	Action	Illustration
3.	<p>Save this template. This saved Template name will become the QUEUE Name.</p> <p>Queue names are case sensitive and have to be entered correctly so if possible, keep the queue name simple.</p>	
4.	<p>From the Macintosh/Unix side when jobs are sent to the queue name of BlackandWhite the output will be black and white.</p>	

## 5. Printing from Adobe

Below are basic steps for sending a file from Adobe to the KIP printer using the newly installed KIP MAC driver.

Step	Action	Illustration
1.	Open Adobe and select a file to be printed. Select the Printer Icon.	
2.	When the Printer window opens select the IP Address of the KIP. Set the number of copies if necessary.	
3.	Select the Print button	