



# SYSTEM **SOFTWARE K**

KIP MAC PPD Installation and User Guide



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## Contents

1.	Introduction .....	4
	System Requirements .....	4
2.	Configuring a TCP/IP Desktop printer in Macintosh OS X .....	5
	Method #1 – Print to file, then use PrintPro.Net .....	5
	Method #2 – Direct Printing from Mac application to the KIP .....	6
	Macintosh Printer Setup .....	7
3.	Configuring the Print Parameters for the Queue Name on the KIP KCS for Mac and Unix printing.....	11
4.	Printing from Adobe .....	13

## 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.

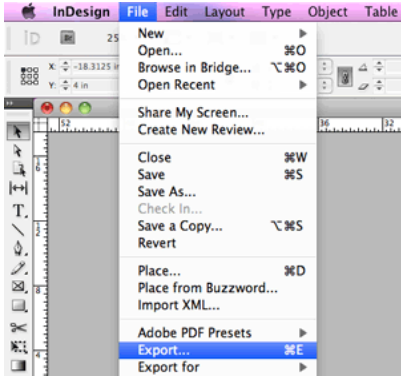

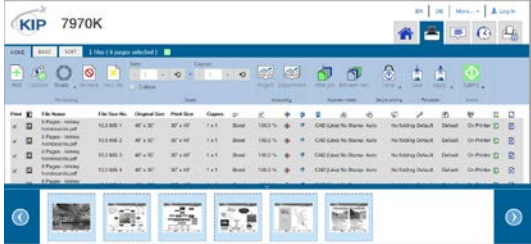
Unix systems mainly require that the application output any of the accepted formats that the KIP systems are compatible with including HPGL, HPGL/2, HP-RTL, Monochrome TIF and Cals Group 4, TIF (Grayscale or Color), JPEG, PDF, and EPS/PS.

**This document refers to printing to the KIP 770K, 7170K, 7570K, 7970K, 940 and 800 KIP Systems.**

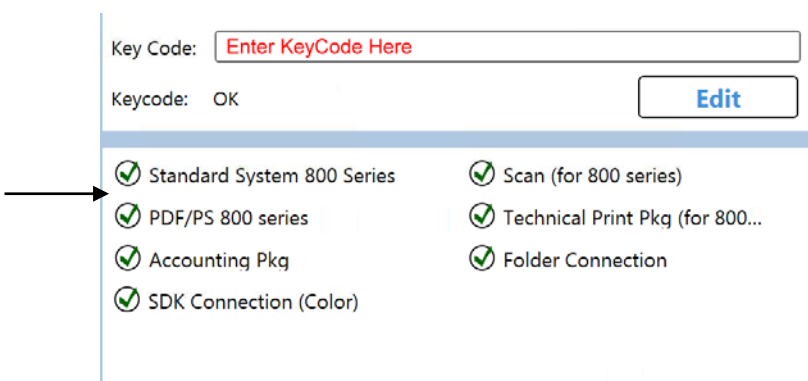
## 2. Configuring a TCP/IP Desktop printer in Macintosh OS X

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**

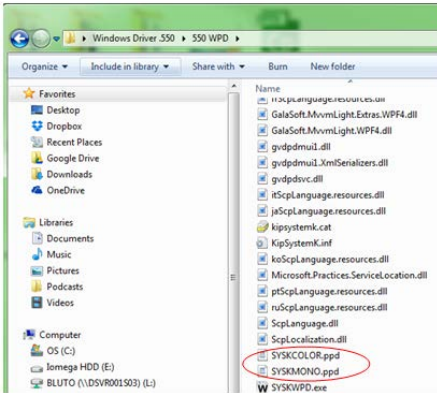


Step	Action	Illustration
<p>In the first method, the operator uses the Macintosh application to generate an acceptable file format (PDF, PS/EPS, Jpeg, TIF etc) and then uses PrintPro.Net via the Macintosh web browser to send the print data. No additional setup or configuration is required on the Mac 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>	

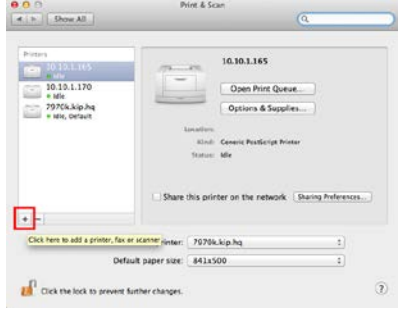
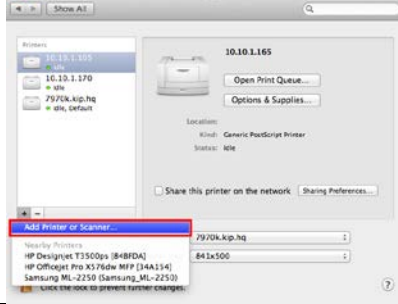
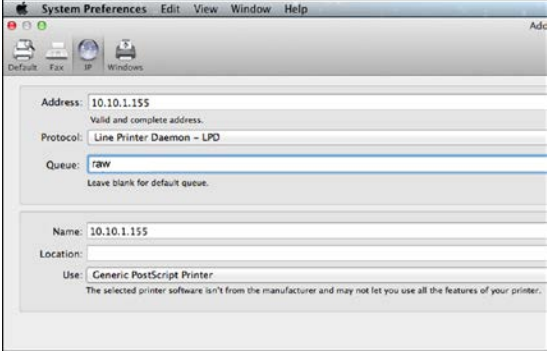
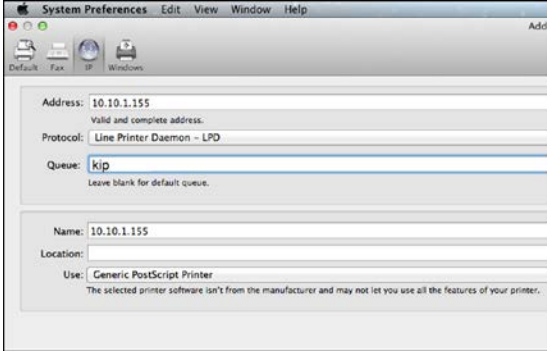
## Method #2 – Direct Printing from Mac application to the KIP

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>	 <p>The screenshot shows a web-based configuration interface. At the top, there is a 'Key Code' field with a placeholder 'Enter KeyCode Here' and an 'Edit' button. Below this, a 'Keycode: OK' label is visible. A list of print parameters follows, each with a checked checkbox: 'Standard System 800 Series', 'PDF/PS 800 series', 'Accounting Pkg', 'SDK Connection (Color)', 'Scan (for 800 series)', 'Technical Print Pkg (for 800...', and 'Folder Connection'. A black arrow points from the left towards the 'Standard System 800 Series' checkbox.</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

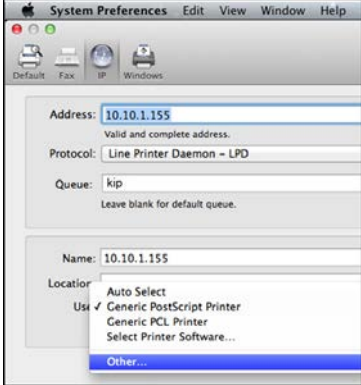
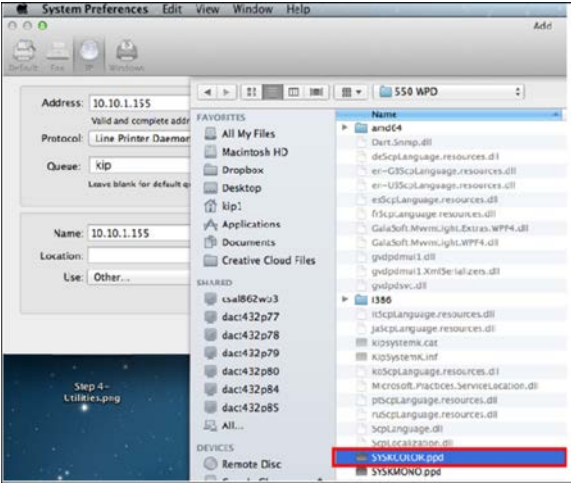
The following steps will walk you through the procedure for setting up a Macintosh system for TCP/IP printing. These steps apply to Macintosh OS X:

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.	On the desktop open the System Preferences.	
3.	Once the System Preferences folder is open select the "Print & Scan" icon.	

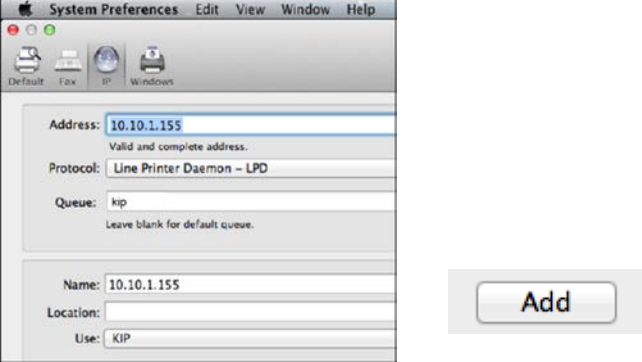
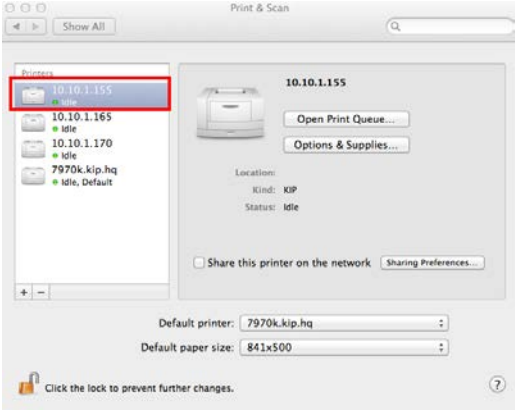
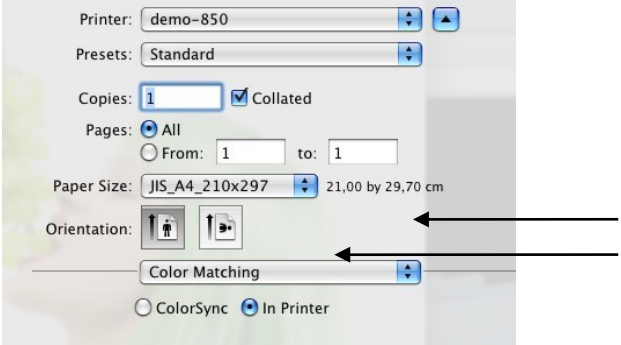
Step	Action	Illustration
4.	Once the Print & Scan folder is open select the Add a printer button (+)	
5.	From the available menu select the “Add Printer or Scanner”	
6.	<p>Once the Add Printer or Scanner window opens select IP tab at the top and fill in the necessary information.</p> <p>Address – IP 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).</p> <p>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><b>System K</b></p>  <p><b>Non- System K</b></p> 



# KIP MAC PPD Installation and User Guide


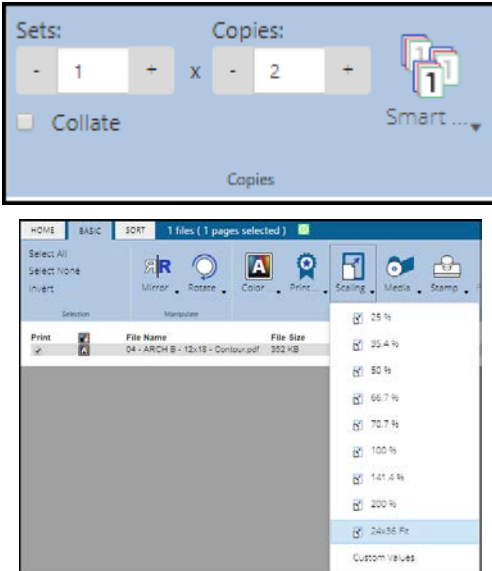
Step	Action	Illustration
7.	Open the Dropdown for "Use" and select "Other"	 <p>The screenshot shows the 'System Preferences' window for printer configuration. The 'Address' field is set to '10.10.1.155'. The 'Protocol' is 'Line Printer Daemon - LPD'. The 'Queue' is 'kip'. The 'Name' is '10.10.1.155'. The 'Location' dropdown is open, showing options: 'Auto Select', 'Use Generic PostScript Printer', 'Use Generic PCL Printer', 'Select Printer Software...', and 'Other...'. The 'Other...' option is highlighted.</p>
8.	<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 a file browser overlay. The file browser is displaying a directory containing various files, including 'SYSKCOLOR.ppd' and 'SYSKMONO.ppd', which are highlighted in red. The file browser also shows a list of files in the background, including 'amd64', 'Dart.Snmp.dll', 'deSctLanguage.resources.dll', etc.</p>

# KIP MAC PPD Installation and User Guide

Step	Action	Illustration
9.	The “Use” will now display KIP. Select the Add button to add the printer.	
10.	This will add the KIP Printer to the list of available printers.	
11.	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.

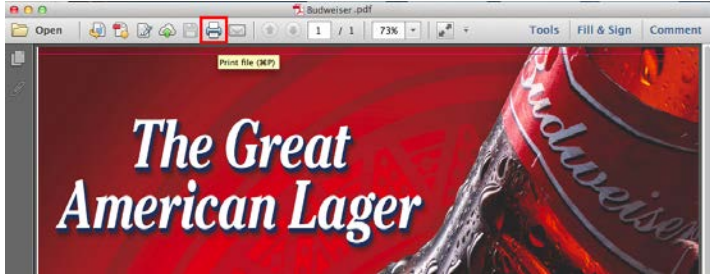
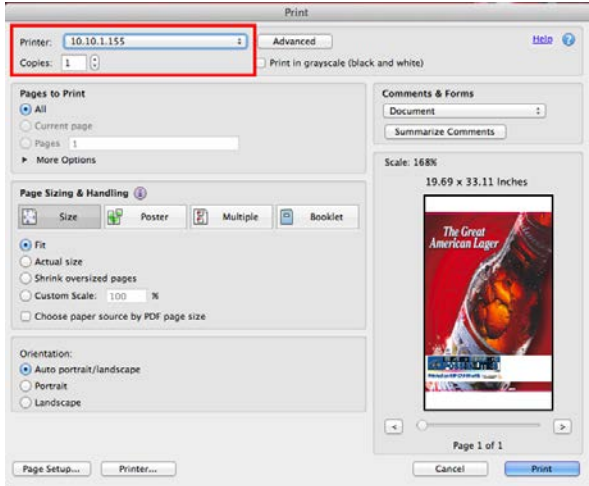
Step	Action	Illustration
1.	Open KIP PrintPro.Net and add a file (this will make all of the buttons active).	 <p>The screenshot shows the KIP PrintPro.NET application window titled 'KIP-870-KTC'. The interface includes a top menu bar with 'HOME', 'BASIC', and 'SORT' tabs. Below the menu is a toolbar with various icons for file operations and printing. A table at the bottom displays the loaded file: '04-ARCH B - 12x18 - Contour.pdf' with a file size of 352 KB, 1 page, and original dimensions of 18" x 12".</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. It features two input fields: 'Sets' with a value of 1 and 'Copies' with a value of 2. There are minus and plus buttons for both fields. A 'Collate' checkbox is present and unchecked. A 'Smart' dropdown menu is also visible. The second screenshot shows the 'Scaling' configuration panel. It includes a 'Scaling' dropdown menu with a list of options: 25%, 25.4%, 50%, 66.7%, 70.7%, 100%, 141.4%, 200%, 24x36 Fit (which is selected), and Custom Values. The background shows the same application interface as the first screenshot.</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. 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	