

<u>Contents</u>

Product Description	. 1
System Requirements	. 1
KIP Driver Setup	. 3
KIP Driver Features	11

Product Description

FlexiSIGN is a sign design and RIP product from SA Incorporated (<u>www.saintl.biz</u>). It is primarily used by the graphics designers and production operators to design and RIP/Print signs and posters. The FlexiSIGN product version 10.0.2 allows for RIP and printing of supported files to the KIP Color 80 and KIP C7800 printer.

The FlexiSIGN Production Manager software can be configured to RIP file data and place it in a Hot Folder that is monitored by the KIP Color 80 or KIP C7800 IPS (KIP Unattend software). The file data is then printed by the KIP Unattend.

FlexiSIGN Features

- True Adobe RIP
- Pantone Color support (based on available color gamut)
- <u>RIP and Print</u>
 - o Single original multiple copy
 - o Single original nest on single page
 - o Instant re-printing from Production Manager queue
- <u>Color Profile</u>
 - o Create custom Output Profiles based on DPI and Media
 - o SO Diffusion dithering
- Color Mapping exchange/adjust color for Vector data (PS/EPS/PDF) or Raster data (bitmap) or both.

System Requirements

KIP Color 80 and C7800 Requirements

- Software Version: KIP Unattend 7.2.275 or higher
- X-Rite Eye One Spectrophotometer

Flexi Software Version

• Flexi Production Manager 10.0.2 build 1604 or higher

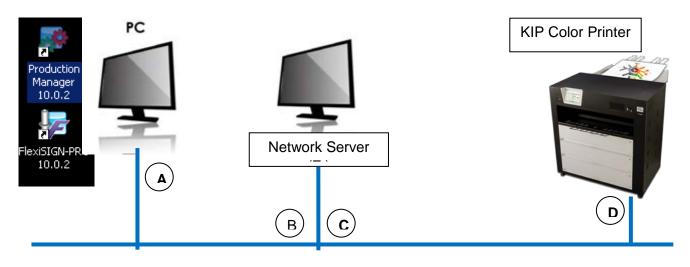
The location of the FlexiSign software installation can be completed in one of two ways. The Flexi software can reside #1) on a workstation PC or #2) on the KIP Color 80 IPS. When FlexiSIGN is installed on a workstation PC, the Hot Folder for transmitting the final file data would reside on a Network server and the KIP Color 80 IPS would then monitor this folder for Flexi jobs. When FlexiSIGN is installed on the KIP Color 80 IPS, the Hot Folder can reside on the C: drive of the KIP Color 80 IPS.

Configuration #1 – FlexiSIGN installed on another workstation PC for C7800.

A. Data is converted on the PC by FlexiSIGN down to the CMYK layers.

- B. Flexi transmits the job to the Hotfolder on the Network Server; a shared Drive and Directory. Eg: Z:\KIP\HotFolder
- C. KIP IPS (KIP Unattend) will monitor the shared Drive and Directory on the Network Server and retrieved the print the data from the shared Drive and Directory.
- D. Job displays in KIP Unattend and begins printing.

In this configuration the power of the PC may not be sufficient to RIP (convert) the data quickly. Another disadvantage is that the converted file data must first be transferred to the Network Server and then transferred again to the KIP Color 80 IPS. For increased production speed, Configuration #2 is a preferred method.



Configuration #2 - FlexiSIGN installed on the KC 80 IPS.

- A. Data is converted on the PC by FlexiSIGN down to the CMYK layers.
- B. Flexi copies the job to a Hotfolder that is a local drive and directory (eg: C:\monpath1\request).
- C. KIP Color 80 IPS will monitor the Hotfolder on the local drive and display the print the data and begin printing.

This configuration will allow for the quickest data conversion but does not allow other Flexi users to transmit data to the KIP Color 80 IPS because the drives and directories on the IPS are not available to other network users.



KIP Driver Setup

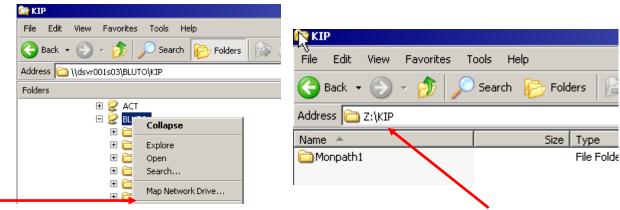
Setup Hotfolder; Drive and Directory

In order for the Flexi data to print, a Hotfolder is required to hold the final data prior to the KIP Color 80 IPS monitoring that Hotfolder and printing the data.

<u>Configuration #1 – FlexiSIGN software installed on PC Workstation and Hotfolder resides on Network</u> <u>Server.</u>

When the Network Server is utilized to hold the Hotfolder, the IT admin's help may be required to create the Hotfolder and map both the PC Workstation and KIP Color 80 IPS/C7800 IPS to the Hotfolder.

- A. Setup the Hotfolder on the Network Server. EG: \\Servername\sharename\directory may equal Z:\KIP\MonPath1.
- B. At the KIP Color 80 IPS or C7800 IPS, connect to the Servername and Sharename and "map" this directory and choose a Drive letter.



Example of mapping to Servername of **DSVRS001S03**, sharename of **BLUTO** to create a Z: drive letter. Then the admin creates the Z:\KIP\Monpath1 Hotfolder directory. Note: your Servername and Sharename will differ from this example. This information will be required to finish setting up both the KIP Color 80 IPS in the KIP Unattend – Misc Configuration and on PC Workstation for Flexi Production Manager.

C. At the PC Workstation (with Flexisign Production Manager) please also configure the PC to access the same Servername and Share. It is possible that the drive letter may be different.

<u>Configuration #2 – FlexiSIGN installed on KIP Color 80 IPS and Hotfolder resides on KIP Color 80 IPS.</u> When the Flexi Production Manager software is installed on the KIP Color 80 IPS the Hotfolder can be located on the C: Drive of the KIP Color 80 IPS.

A. Setup a new Hotfolder on the KIP Color 80 IPS or use an existing Monitor Path such as C:\Monpath1\Request.

Note: This information will be required to finish setting up both the KIP Color 80 IPS in the KIP Unattend – Misc Configuration and for Flexi Production Manager.

Add KIP Driver to Production Manager

Once Flexi 10 has been installed and upgraded to include the KIP Driver (see your FlexiSIGN instructions on how to complete this). After a (Hotfolder) Drive and Directory has been configured in the previous steps, it is then possible to add the KIP Driver in Flexi Production Manager and proceed with configuring that Hotfolder in Production Manager.

A. In Production Manager, select SETUP and ADD SETUP.

💀 Pi	🔅 Production Manager								
File	Edit	Setup	View	Help					
		🗕 Ad	d Setup)	Ctrl+N				
				perties evice Port	Ctrl+K				

B. Choose COLOR PRINTERS, then brand name of KIP, and model name KIP COLOR 80. Choose NEXT to proceed.

I	辞 Producti		-				
1Ê	File Edit S	Setup Vie	ew I	Help			
	1			4	Add Set		
rk	Job 🔻		RIP	▼ Se	De .	Choose a device type	
I		IP Color 8 KIP Colo		KIP Co		Color Printers	C Vinyl Cutters
				KIP Co KIP Co KIP Co		C Hybrid Devices	
10				KIP Co KIP Co KIP Co		Choose a device	
I						What is the brand name of your colo	or printer?
I	'					What is the model name of your KIP	??
	.					KIP Color 80	•

C. Add your own name for the Setup of KIP Color printer. For how the KIP Color 80 is connected choose **FOLDER**. Enter or browse to the Hotfolder and add the correct drive and directory as setup in the previous steps.

4	Add Setup	×
	What do you want to call your new setup?	
	KIP Color 80_1 Do you want to print to your KIP Color 80 from other applications? 'Yes, install the desktop driver How is your KIP Color 80 connected to your computer?	
	Folder Browse	
	C:\Monpath1\Request	
		_
	Sharing Back Finish Cancel	

No part of this publication may be copied, reproduced or distributed in any form without express written permission from KIP. © 2014 KIP.

Configure Default Job Settings

It is necessary to configure Default Job Settings including the Hotfolder prior to configuring the Media Profiles or printing any jobs through Flexi.

A. Right click on the Printer Setup and choose SETUP PROPERTIES, then Browse to the Hotfolder location.

Produc	tion Ma	anager					
Edit	Setup	View	Help				
		۲				h	
Job	V	RIP	🔻 Se	end	Estimate	Nest	
- V	🎒 KIP i	Color 80		1	Job Nar	ne	
····· 🗹 (Color 80	📂 Add Jo	ь			
			Defaul	t Job Proj			
		Setup	Properties	;			×
		6					
			Setup name:	KIP C	olor 80		
			Hot folder:	C:\Mo	npath1\Reque	st	Bro <u>w</u> se
			Share name:	KIPCo	lor80		
	Edit Job	Edit Setup Job V KIP KIP Cold	Edit Setup View	KIP KIP Color 80@Folde KIP Color 80 KIP Color 80 Add Jo Setup Defaul Delete Setup Properties	Edit Setup View Help	Edit Setup View Help	Edit Setup View Help

Configure Media Profiles using the Color Profiler

Prior to configuring the Default Job Settings, it is necessary to create at least two Media Profiles. This entails copying the Media Names from the KIP Color 80 IPS and then printing of several targets on the media you intend to use and then using an Xrite Eye One Spectrophotometer to scan the targets.

A. Manually copy the Media Names to the Flexi software. The Flexi software does not read the media list and names from the KIP Color 80 IPS automatically. It is necessary to manually copy the media files from a special file and location on the KIP Color 80 IPS to where the Flexi software is monitoring the media names. On the KIP Color 80 IPS – locate the file called KIPUNATTEND.DAT in the folder D: or C:\MONPATH1\LOGDIR\STATINFO.

Location of KIPUNATTEND.DAT

🔄 StatInfo	
File Edit View Favorites Tools Help	
🕞 Back 🔹 🕥 🖌 🏂 🔎 Search 🔀 Folders 🕼 🎲 🗙 🍫 🛄 🖬	
Address 🛅 C:\Monpath1\Logdir\StatInfo	
Folders ×	Name 🔺
🕝 Desktop	🖻 Calibrate.Dat
🗄 🗎 My Documents	📕 KipUnattend.Dat
🖂 😼 My Computer	PrintNet.Dat
⊡ 🧼 OS (C:)	🖻 StatInfo.Dat

Copy the KIPUNATTEND.DAT or IPSUNATTEND.DAT (C7800) to the Flexi software location: C:\PROGRAM FILES\SAI\SAI PRODUCTION SUITE\OUTPUTDRIVER\KIP

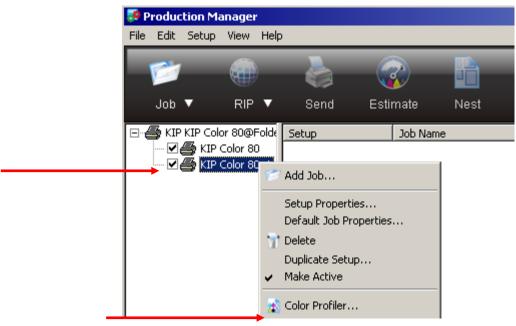
Note: if the Flexi software is installed on a PC Workstation, this Flexi software location may be a different location.

🔄 KIP	
File Edit View Favorites Tools Help	
😋 Back 🔹 🕥 🖌 🏂 🔎 Search 🔀 Folders 🕼 🎲 🗙	19
Address 🛅 C:\Program Files\SAi\SAi Production Suite\OutputDrivers\KIP	
Folders	× Name A
C JobTicketTemplates	KipUnattend.dat

Note: In order for the Flexi software to see updated Media Names that have been added on the KIP Color 80 IPS, it will be periodically necessary to copy the KIPUNATTEND.DAT to the Flexi software location noted above.



B. Right click on the Printer Setup and choose COLOR PROFILER.



C. Choose **CREATE ICC OUTPUT PROFILE** to create a profile for a specific media and dither setting.

Welcome to the Color Profiler.
The Color Profiler allows you to generate linearization tables and ICC color profiles for the output to produce more accurate color. Linearization tables are used to determine the correct amount various colors of ink can then be modulated to provide a smooth and linear range of ink densitie ICC profiles provide a cross-platform standard for measuring the color output of printers. Within device-independent color space. This allows the output device to produce a more accurate repr
Create ICC Output Profile A step-by-step process to help you achieve consistent, accurate
color. This includes Linearization and Characterization and also allows importing 3rd party profiles.

D. In the Profile Setup choose **DEVICE: KIP Color 80**, choose the **MEDIA** and select the media name you have configured at the KIP Color 80 IPS. It will be necessary to use the XRite Eye One Spectrophotometer to complete these steps as per the Flexi documentation.

Note: the MEDIA list is dependent on the KIPUNATTEND.DAT as set in the previous steps. If your media name is not in this list, then it is necessary to shut down the Flexi software, copy the KIPUNATTEND.DAT from the KIP Color 80 IPS to the Flexi software location and then re-start the Flexi software.

Choose **RESOLUTION**: 600x600

Choose COLOR MODE: CMYK

Choose **DITHER**: Angled Screen (this provides the best setting at this time) Edit the Screen Pattern to ROUND and configure the Angles and LPI as shown. Note that prior to any printing, it is important to set the same **Dither** to **Angled Screen** pattern in the DEFAULT settings in order to use the correct **Angle** and **Frequency** as shown below.

Default Job Properti	es 🛛 🗶					
Preset:						
2 5 6						
Color correction						
Use color corre	ction					
Output profile:	Bond 24# PREMIUM Angled 001 600x600 -					
Media:	Bond 24# PREMIUM Angled 001					
Resolution:	600x600 V DPI					
Color mode:	СМҮК	A	ngled Screen			X
Dither:	Angled Screen	IF	Channel	Angle	[[]
		Ш.	Cyan	Angle 15.00	Frequency 133.00	
	<u>A</u> dvanced	н.	Magenta	75.00	133.00	
		н.	Yellow Black	90.00 45.00	133.00 133.00	
Gradient smooth	ness: Normal 💌	ŀ.				
Simulation:	None	L				
🔽 Use color ma	pping	L				
Ignore overp	rint (
	<u>C</u> olor Mapping	L	Remove Moire			Edit
			Shape: Round	-		
			Use accurate screens			
			Supercell halftoning			
	OK Cancel Apply			Reset	ОК	Cancel

Enter a **MEDIA DISPLAY NAME** that does NOT contain any ~ symbols. Otherwise the Profile will fail to save at the end of the setup process.

Note: We suggest that the user create repeat the Profile Setup for two different RESOLUTIONS. One Profile Setup at a **RESOLUTION** of 300 dpi and one at another RESOLUTION of 600 dpi. This allows for choose two different print modes. Choose **NEXT** to move to the INK LIMIT settings.

Profiler			
\$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	⇒¢) (\$}⇒		
Profile Setup			
To create an ICC color profile,	verify your printer, o	output settings, and profile attributes.	
Printer Setup			Profile Attributes
Select your printer setting	gs for profile creation	h	You may enter a custom media name and file name for your ICC profile or you can use the default name. You may also
	Device:	KIP Color 80_1	import the media name from an existing profile.
2	Media:	Bond~24# PREMIUM	Media display name:
	Print mode:	None	300x300 SO Diffusion - 24lb Bond Import
	Resolution:	300×300	File Name:
	Color mode:		300x300 50 Diffusion - 24lb Bond 300x300 .icc
	Dither:	SO Diffusion Edit	
		🥅 Mirror job (for backlit material)	Enable Gray Balance
		Driver Options	

E. INK LIMIT settings.

When setting the INK LIMIT we suggest that once the Ink Limit Test Pattern is printed and reviewed that the operator should choose ink limits in the range of 75 – 90 percent.

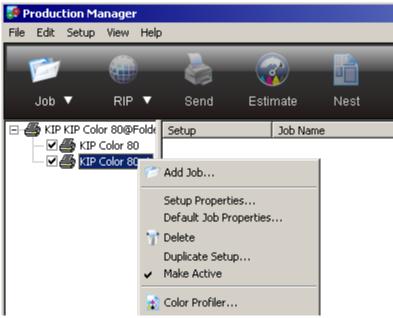
Color Profile	r								
	◇ →◇ ◇→		*	ŝ					
	Limit k limit is the maximum amount tions have more trouble with in To begin, print the ink limit t	nk absorption.	lia is capable		Vouc	nits will vary an print an ii		-	
	Print Ink Limit Test)		6	unreu	t, there will bleeding b	be no blee egins.	eding on th	ne print. If i
e	Check the print for bleeding Adjust settings in 5% increm	and over saturation of ink. ients next to the color channe	I name.			Print Ink Lin	nit Verifica	tion	
	Ink Name Ink L Cyan 85% Magenta 90%								
	Black 100°	6							
	k at parts of the print that sh prners are not precise or if the		Cyan	5 10	15 20	25 20 25	40 45	50 55	00 05
			Magenta	5 10	15 20	25 30 35	40 45	50 55	<u> _</u> 00 65
		Π,	Yellow	5 10	15 20	25 30 35	40 45	50 55	<u>60</u> 65
	Good	Bad	Black	5 10	15 20	25 30 35	40 45	<u> .</u> <u> .</u> 50 55	60 65

No part of this publication may be copied, reproduced or distributed in any form without express written permission from KIP. © 2014 KIP.

Configure Default Job Settings

It is necessary to configure Default Job Settings including the Hotfolder prior to printing any jobs through Flexi.

A. Right click on the Printer Setup and choose DEFAULT JOB PROPERTIES.



B. Configure the DEFAULT JOB PROPERTIES that will be used each time a job is started. Remember to use the Dither send to ANGLED SCREEN and to edit the Dither pattern and Angle and Frequency.

 Default Job Properties	×
Preset	Ì
2 5 🔝 🛱 🛃 薯 🗭	
Color correction	
 Use color correction	
 Output profile: 24lb Bond 600x600 SO Diffusion 600x600 💌	
 Media: 24lb Bond 600x600 SD Diffusion	
Resolution: 600x600 🔽 DPI	
Color mode: CMYK	
 Dither: SO Diffusion Edit	
Advanced	
Gradient smoothness: Normal	
Simulation: None	
Use color mapping	
✓ Ignore overprint ⊆olor Mapping	

KIP Driver Features

Specific KIP Printer Options - Setting the number of Copies

In order to set the number of copies and obtain individual copies of each print it is necessary to set the copy count in a special location. Otherwise the copies will be nested on a single piece of paper.

Choose the PRINTER OPTIONS tab

_	
	Job Properties
	Preset:
	2 🕤 🔛 🖼 🔛 🛃 😂 💙
	File type:
Set the Number of Copies	Create 32 bit file
	Invert output
	Number copies: 2
	Restore Defaults



U.S.A.
Phone: (800) 252-6793
Email: info@kipamerica.com
Website: www.kip.com
CANADA
Phone: (800) 653-7552
Email: info@kipcanada.com
Website: www.kip.com

KIP is a registered trademark of the KIP Group. All other product names mentioned herein are trademarks of their respective companies. All product features and specifications are subject to change without notice. Complete product specifications are available upon request.