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1 Introduction

The new generation KIP System K Windows Driver® is Microsoft WHQL certified, meeting exact standards of reliability and quality. The functional and intuitive graphic user interface and expanded features provides the user with a wide range of standard and special functions when printing from Windows based applications

The KIP System K Windows Driver[®] can be used with the entire range of KIP Printers from any Windows based application for both Color and B&W print applications.

2-way communication with KIP systems Displays current media information and real time system status 64 & 32 Bit operating system compatibility Label documents with user name, job number and data tracking information Job accounting and data tracking information Windows 7 Experience

1.1.1 Requirements:

The KIP Windows driver for KIP System K is WHQL certified for

- 32 & 64 bit Windows 7, Windows 8, Windows 10 & Windows 11
- Windows Server 2016
- Windows Server 2019
- Windows Server 2022

NOTE:

Microsoft .Net Framework 4.5 is required on all operating systems to be included in the driver package (distributable).

1.1.2 Supported Operating Systems

- Windows 7
- Windows 8
- Windows 10
- Windows 11

- Windows Server 2016
- Windows Server2019
- Windows Server 2022

2 WPD loaded Locally

Prior to Install

The following steps **MUST** be performed to use the new Windows driver.

Install scenario 1: Driver is loaded locally on each workstation (not shared from server):

Step	Action	Illustration
1.	At the workstation run the KIP Windows Driver Installer.	W SYSKWPD.exe
2.	When the Installer opens select the Gear in the bottom left corner.	
3.	This will open the screen to the Aggressive Removal Logging Tool. Select Begin	Agressive Removal Logging
4.	This will remove the KIP Windo	ows Driver from the workstation.
5.	REBOOT THE WORKS	TATION – THIS STEP MUST BE COMPLETED!
6.	Once the workstation has re-	-started run the KIP Windows Driver Installer again.
7.	Follow the steps in next s	section - Installation and Setup (Automatic)

Installation and Setup (Automatic)

The Following section describes the Installation of the KIP System K Windows Driver® Please follow the Stepby-step procedure for correct installation

Step	Action	Illustration
1.	Open the Windows Driver folder and double click the WPD Pro icon.	W SYSKWPD.exe
2.	If asked to authorize select "Yes".	User Account Control × Do you want to allow this app to make changes to your device? • Image: SYSKWPD • Verified publisher: KIP America • File origin: Hard drive on this computer • Show more details • Yes No
3.	If Automatic is selected the installer will search network for System K printers. Once IP is selected from <i>Host Name or</i> <i>IP Address</i> pull down menu, the other fields will populate automatically. Click <i>Begin</i> to commence installation. Specify Driver output has the ability to set either PostScript or GL2/RTL. The selected output type can also be locked to that type only by seolecting the "Restrict Driver Output Type" Check box. Note: If Manual is selected User must specify <i>Printer</i> <i>Name</i> , <i>Hostname or IP</i> <i>Address</i> and <i>Printer Model</i> .	Image: Contract Protect

Step	Action	Illustration
4.	Once Complete the driver installation will display Success! A message to reboot may also be displayed.	W KP Systemic Priver Dataler v0.00.050 Image: Comparison of the state
5.	REBOOT THE WORKSTA	TION IF PROMPTED – THIS STEP MUST BE DONE!
6.	When Done Installing select the "Quit" button to Close the installation. Reb	Quit
7.	The Driver is now installed and should be present in the Devices and Printers folder.	KIP 850

3 WPD Network Share

Prior To Install

The following steps **MUST** be performed to use the new Windows driver.

Install scenario 2: Driver is shared from server:

Step	Action	Illustration
1.	Detach all Clients (MUST BE DONE) from shared printer object	
2.	Reboot All Clients (MUST BE DONE)	
3.	Remove currently installed driver on server by launching the windows driver installer and selecting the Gear in the bottom Left corner.	
4.	This will open the screen to the Aggressive Removal Logging Tool. Select Begin	Agressive Removal Logging
5.	This will remove the KIP Windo	ows Driver from the server.
6.	REBOOT THE SER	VER – THIS STEP MUST BE COMPLETED!
7.	Once the server has re-starte	ed run the KIP Windows Driver Installer again.
8.	Follow the steps in section	on 2 Installation and Setup (Automatic)

4 WPD Network Share with Group Policy

Prior To Install

The following steps **MUST** be performed.

Install scenario 3: Driver is deployed via Group Policy from server

Step	Action	Illustration
1.	Un-Publish in Group Policy	
2.	Reboot all Client Workstations, or run gpupdate /force to propagate policy changes.	
3.	Remove currently installed driver on server by launching the windows driver installer and selecting the Gear in the bottom Left corner.	
4.	This will open the screen to the Aggressive Removal Logging Tool. Select Begin.	Aggressive Renoval Logging
5.	This will remove the KIP Windo	ows Driver from the server.
6.	REBOOT THE SER	VER – THIS STEP MUST BE COMPLETED!
7.	Follow the steps in section 2	Installation and Setup (Automatic)
8.	Re-Publish in Group Policy	

5 Windows Drive with No SNMP Communication

When the driver is operating in this mode, simple static choices are available for items that would normally begotten from the actual printer.

Step	Action	Illustration
1.	Double Click the installer	SYSKWPD.exe
2.	Select the correct printer to attach to. Select Drop-down arrow if multiple printers are available.	Host Name or IP Address: IP Address Here
3.	Select correct driver output type.	Specify Driver Output Type: POSTSCRIPT Restrict Driver Output Type
4.	Check the box "Disable Bi- Directional Communication". This will disable the SNMP communication.	Disable Bi-Directional Communication
5.	Select Begin	Begin
6.	Select Quit when installation says "Success"	Success1 Brgn Qut

Step	Action	Illustration
7.	 Confirm SNMP has been disabled (un-checked). This is done by going to Printers and Scanners (on Win 10) Selecting the KIP Printer Select Manage Select Printer Properties Select Ports Select the KIP Port Select Configure port SNMP Status Enabled should be unchecked. 	Configure Standard TCP/IP Port Monitor X Port Settings Port Name: Your IP Address Here Printer Name or IP Address: Your IP Address Here Protocol Raw LPR Raw Settings Port Number: 9100 LPR Settings Queue Name: LPR Byte Counting Etabled Community Name: public SNMP Device Indexc 1 OK Cancel
8.	Within the KIP Window Driver Propertied the Printer Status will Display "Communication Disabled"	Printer Status Communication Disabled
9.	 the following items: 1. No Administrator or Ser 2. Free form type in for Pr 3. Bond is the only available 4. Color, Mono, Gray sele 5. Default Print Quality Pro 6. Finishing is Auto 7. Paper Source is Auto 8. Default stamps (None, 9. No Toner Status 10. No Media Status 	ction always available in Color mode. esets (CAD, Graphics and Photo) only. Confidential and Demo) only. re set as the default and cannot be changed as

6 <u>Uninstalling the Windows Driver – Automatic</u>

The following section describes the automatic Uninstallation of the KIP System K Windows Driver[®]. Please follow the Step-by-step procedure for correct installation

Step	Action	Illustration
1.	Open the KIP Windows Driver installation package – Double Click the SYSWPD.exe	SYSKWPD.exe Type: Application
2.	Click the Gear in the lower left corner.	W 12* System K house: Doiner Motaliers 2027 Image: System K comparison of the family of the
3.	When the Aggressive Removal Logging window opens select Begin. Once "Success" message has been received close the windows driver application and reboot (always a good step to	Aggressive Removal Lagging Removal will begin Starting Aggressive Removal: 7/28/2016 2-52:07 PM Deleted Directory: C:\Users\IJanisse\AppData\Loca\\Temp\SYSKStaging\ Spooler Stopped. (Initial).: Spooler Started (Initial).: Spooler Started (Initial).: Spooler Started (Initial).: Spooler Started (Initial).: Spooler Started (Initial).: Spooler Started (Initial).: Spooler Started (Initial).:
	reboot).	

7 Uninstalling the KIP Windows Driver - Manually

The following section describes the manual Uninstallation of the KIP System K Windows Driver® Please follow the Step-by-step procedure for correct installation

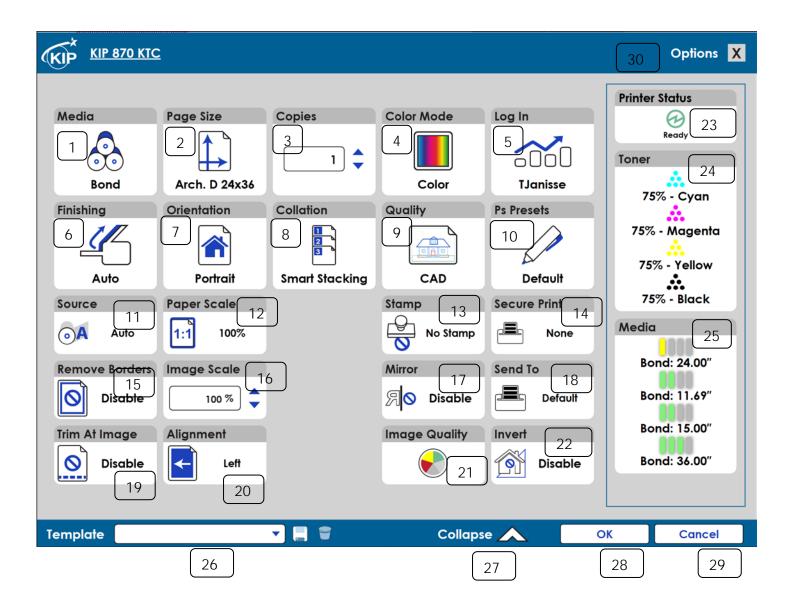
Step	Action	Illustration
1.	Open Devices and Printers	 Sticky Notes XPS Viewer Default Programs Help and Support Windows Security Log off
2.	Select the device to be removed and then click Remove Device. Select "Yes" for the Remove Device Screen.	Add a device Add a printer See what's printing Manage default printers Print server properties Remove device • Devices (3)

Step	Action	Illustration
3.	 Stop the Spooler – Right click on the "My Computer" Icon and select Manage. Select Services Select Print spooler from the list of services Select "Stop" 	Sources Sources Addre Reserved Sources Sources Sources WMIL Control Sources
4.	 Browse to the following location: C:\Windows\System32\spool\ drivers Open the w32x86 folder (if 32 bit) Open the x64 folder (if 64 bit) 	Image: Style Stress
5.	Open the "3" Folder	Include in library Favorites Desktop Downloads PCC

Step	Action	Illustration
6.	Remove all files that start with: Dart Gala Grdp Gvdp Microsoft Msvcp Msvcr SystemK Vccorlib	Image: Stand Stan
7.	Go to Start\Run and type "Regedit"	See more results regedit ×
8.	Once open navigate to the following location: HKEY_LOCAL_MACHINE\SYSTEM\ CurrentControlSet\Control\Print\ Environments\Windows NT x86\ Drivers\Version-3\KIP 7170K Delete this folder. Note: final folder name will vary depending on the KIP Printer installed.	 Version-3 KIP 7170K Microsoft Shared Fax Driver Microsoft XPS Document Writer Remote Desktop Easy Print

Step	Action	Illustration
9.	Next go to the following location: HKEY_LOCAL_MACHINE\SYSTEM\ CurrentControlSet\Control\Print\ Printers\KIP 7170K Delete this folder. Note: final folder name will vary depending on the KIP Printer installed.	 Printers Fax Fax (redirected 1) KIP 7170K Microsoft XPS Document Writer Microsoft XPS Document Writer (redirected
10.	Start the Spooler – Right click on the "My Computer" Icon and select Manage. • Select Services • Select Print spooler from the list of services Select "Start"	Computer Management File Action View Help Computer Management File Action View Help Computer Management Computer Management Computer Management Computer Management Computer Management System Tools Computer Management Shared Folders Shared Folders Disk Scheduler Disk Scheduler Disk Scheduler Disk Management Disk Management Disk Management Disk Management Disk Management Scheders Writt Control
11.	REBOOT	THIS STEP IS NECESSARY!

8 Printing Preferences



a. Printing Preferences Main Screen

Component	Function
1. Media	Media Image: Second state Image: Second state Allows for the selection of available media currently loaded
	in the KIP Printer.
2. Page Size	Page Size Arch. D 24x36
	Allows for the selection of the original size of the document to be printed.
3. Copies	Copies 1
	Allows for the selection of the number of copies to be printed.

Component	Function	
4. Color Mode	Color Mode BlackWhite Gray Color	
	Set Color Mode, Choose from Black and White (1bit), Gray (8bit) and Color (24bit) modes for printing.	
5. Log In	Accounting Off Accounting On Image: Accounting Off Multiple Accounting On Image: Accounting In Image: Accounting In Image: Multiple Accounting In Image: Multiple Accounting Purposes, the User Name, Job Number and Description fields can be used to enter information that will then be logged.	
6. Finishing	Finishing Auto Front Back Auto Back Auto Back Allows for the selection of available finishing options, Top, Rear, Fold (if a folder is attached). Note: on the KIP 970 there is no Front option.	

Component	Function
7. Orientation	Orientation Portrait Reverse Landscape Reverse Portrait
	Choose from: portrait, Reverse Landscape or Reverse Portrait.
8. Collation	CollationDefaultImage: Smart StackingOffSmart StackingSmart Stacking
	Allows for the collation of sets. Select from Default, Off, On, Reverse and Smart Stacking. On – 1, 2, 3 Reverse – 3, 2, 1 Smart Stacking – First page always on top, regardless of paper exit.
9. Quality	Quality CAD CAD CAD CAD
	 Choose from default Print Quality settings: CAD Graphics Photo Custom Print Quality Presets (if available)

Component	Function
10. HPGL/Ps Presets	HPGL Presets Ps Presets Default Default Used for the setting of a specific .pen table to be applied to HPGL\2 files.
11. Source	Source Auto Roll Bypass Select from Roll or Cut Sheet (if active and available)
12. Paper Scale	Paper Scale 1:1 100% Allows for the selection of Pre-Configured sizes or the entry of a specific Percentage.
13. Stamp	Stamp No Stamp Confidential Demo Allows for the selection of a specific stamp to be applied to all sheets printed in the job.

Component	Function	
14. Secure Print	Secure Print Secure Mode: None PIN : PIN OK Re User	
	Secure Print has the following options:	
	 None - Job is sent to the printer and prints out. Pin - Allows for the entry of a code number (up to four digits) to be entered. If used this code will be necessary to release the files at the printer user interface. 	
	User – When selected job will be sent with the Users name. It will be necessary for that user to login on the KIP touchscreen to release the job.	
15. Remove Borders	Remove Borders Remove Borders Enable Disable	
	Allows the user to enable the ability to remove any white borders.	
16. Image Scale	Image Scale	
	Allows for the specific scaling of the output on the selted sheet.	
17. Mirror	Mirror Mirror R Enable Disable Allows the user to Mirror the image on the output file.	
	Allows the user to Mintor the image of the output life.	

Component	Function
18. Send To	Send To Default Printer On Hold Allows for the selection of how the files will be sent: Default, Printer and On Hold
19. Trim at Image	Trim At Image Trim At Image Enable Disable Allows the user to Clip the image to size.
20. Alignment	Alignment Left Center Right Choose from: Left Right or Center
21. Image Quality	Image Quality Image Quality Image Quality
	Blue to Yellow Adjust – Slider controlls Blue to Yellow colors from -20 (Blue) to +20 (Yellow). Note: If the the windows driver is used in Black and White mode these sliders do not affect the output.

Component	Function
22. Invert	Invert Invert Invert Invert <td< td=""></td<>
23. Printer Status	Printer Status Ready
	Displays realtime status of the KIP Printer.
24. Toner	Toner 75% - Cyan 50% - Magenta 75% - Yellow 25% - Black
	Displays realtime status of the remaining Toner.
25. Media	Media Bond: 36.00" Bond: 36.00" Bond: 36.00" : 0.00"
	Displays real time status of the available media currently loaded in the KIP Printer

Component	Function
26. Template	Template 🗾 🗐
	Allows the user to create templates that can be used at anytime to load in specific configurations.
27. Expand/Collapse	Expand V Collapse
	Used to Collapse or expand the main properties window of the Driver.
28. Ok	ОК
	Set changed settings.
29. Cancel	Cancel
	Closes out of the screen
30. Options	Options X
	Displays available Options (see section below for explanation of Options)

Component	Function
Options Explained	Options
	Automatic Status Query:
	Refresh Status
	Mode: OGL
	Job Separator: OEnable
	Set Separator: O Disable
	Maintain Driver Preferences: O Disable Disable
	Disable Pass Through: O Disable O Enable
	Driver Version: 1.83
	IP Address: 10.10.1.128
	SNMP Community: public
	OK Cancel
	 Automatic Status Query – If Enabled, status of the printer will be checked periodically. Refresh Status – Manually refreshes the status of the printer. Mode: KIP Script Output Format KIPScript (emulates Postscript output) when printing from applications that function best when outputting Postscript data. For example: Adobe Acrobat functions best when using Postscript output. Other graphics applications including Adobe Photoshop, Microsoft PowerPoint and Excel work well with KIPScript output.
	KIP GL Output Format
	KIPGL (emulates HP-RTL) when printing from CAD applications that may not have a pre-built compatible driver. The KIPGL output can be further enhanced by making changes to the pen table on the KIP via KIP PrintNET. Features like line width compensation and RTL dither allow users to achieve exceptional quality when using the KIPGL output format.
	 Job Separator – Job Separator prints after the entire job has finished
	 Set Separator - Set Separator prints after each set has finished

 Maintain Driver Preference – See Appendix 2 Disable Passthrough – See Appendix 2
 Driver Version – Displays Current Driver Version IP Address – Displays Current IP Address
 SNMP Community: allows the SNMP cummunity string to be changed from the default of PUBLIC to something the IT Administrator wants.

9 Driver Use

Please note: The setting "Detect Color" that can be applied to KIP Applications does not apply to Windows drivers. For Black and White, Greyscale or Color output the output mode needs to be selected.

8.1 Using the Driver from Adobe - Example

In this example Adobe Pro X will be used.

Step	Action	Illustration
1.	Open the Adobe Application	Adobe Acrobat XI Standard
2.	Go to File and then to "Open" or select from the "Open a Recent File" selection.	Matrix Amstall Bit: View Vinder Help: Orgen frem/Anstallamen, Orgen a Recent File Demon Status Orgen a Recent File Orgen file Orgen a Recent File Orgen file
3.	Go to File and Select Print and choose the KIP Printer.	Print Printer: KIP 7970 Copies: 1
4.	To use the available options, select the Properties button.	Properties

Step	Action	Illustration
5.	Once the Properties button opens make desired changes.	Color Color Media Page Size Color Necia Page Size Color Necia No. Color No. No. Color No. No. Color No. Color No. No. Color No. No. Color No. No. Color No. No. Color Default No. Color Default No. Color Default No. Color Color
6.	Select Expand for more options.	Expand V Note: see the Above section for descriptions of options.
7.	Select OK	ОК
8.	Select Print to send the File to the KIP Printer.	Print

8.2 Using the Driver from AutoCAD - Example

Please note: The setting "Detect Color" that can be applied to KIP Applications does not apply to Windows drivers. For Black and White, Greyscale or Color output the output mode needs to be selected.

For this example, AutoCAD 2012 was used.

Step	Action	Illustration
1.	Open the AutoCAD Application	AutoCAD 2018 - English
2.	Click on the "A" in the top Left corner. When the Drop-down window opens select Print.	Print
3.	Select the KIP Printer Driver From the available printers list.	Printer/plotter Name:
4.	To use the available options, select the Properties button.	Properties
5.	Select the Custom properties button	Custom Properties

Step	Action	Illustration				
6.	Once the Properties button opens make desired changes.	KIT. LIZO XIC Options Macdia Page Size Color Macde Log In Macdia Fage Size Color Macde Log In No. Color No.				
7.	Select Expand for more options.	Expand V				
		Note: see the Above section for descriptions of options.				
8.	Select OK	ОК				
9.	Select Print to send the File to the KIP Printer.	Print				

8.3 Using the Driver from Shared location (Correct User Name)

When the KIP windows Driver is installed on a server and is shared out to users the driver will take the name of the logged in user during installation. In most instances this will be Administrator. When the driver is used the log, files will reflect this and log the user as Administrator. To change this functionality so the proper user is logged follow the steps below.

Step	Action	Illustration
1.	Once the shared driver is pulled from the Shared location. At the workstation, open the Printer Properties and select Manage. Note: this example shows the steps for a Windows 10 PC.	Printers & scanners
2.	From the Manage your device list on the left side of the screen select "Printer Preferences.	 KIP-870-KTC Manage your device Printer status: Idle Open print queue Set as default Print a test page Run the troubleshooter Printer properties Printing preferences Hardware properties
3.	The Log in Box will display "administrator" as this is was the logged in user when the driver was installed at the server. Select the Login box.	KIP 400 http://10.10.1.122 Options Madia Page Size Cepies Calor Made Image Size Image Size Bond Arch. D 34:34 Colotion Gold Image Size Image Siz

Step	Action	Illustration
4.	Select the User name to be associated with the KIP windows driver (logged in user at the workstation). Select the OK button to set the User Name.	User Name Administrator Password DLankford DDIG888P71 Project Administrator Password Service Guest Department Password OK Cancel
5.	The Log in button will now display the logged in user name. The selected User Name persist and not need to be selected again. Note: It is necessary to do these steps at each workstation if the logged in	Log In
	user at the workstation is to be used. If this is not done Administrator or the logged in name at the Server where the KIP Windows Driver was installed will be used.	DLankford

Appendix 1

Manually removing the Windows driver.

In some instances, it may be necessary to manually remove the KIP Windows driver from the Server/Workstation. The following steps will help ensure that all of the pieces have been successfully removed.

Instructions for removing driver:

- 1) Remove print queue in Devices and Printers
- 2) Stop/start spooler
- 3) Remove driver in Printer Server Properties
- 4) Stop spooler
- 5) Clear "C:\windows\system32\spool\drivers\(w32x86 or x64)\3\temp" directory
- 6) Start spooler

Note: If there is a problem with either step 1 or 3 the following may also be necessary.

Go to Start\Run and type Regedit and browse to the following locations:

Win 7 32bit

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\print\Environments\Windows NT x86\Drivers\Version-3\Remove KIP Printer folder here

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\print\Environments\Windows NT x86\Printers\Remove KIP Printer folder here

Win 7 64bit

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\print\Environments\Windows x64\Drivers\Version-3\Remove KIP Printer folder here

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\print\Environments\Windows x64\Printers\Remove KIP Printer folder here

Appendix 2

Maintain Driver Preferences

When the Maintain Driver Preferences box is checked (turned ON); the document to be printed will utilize the printing preferences set from the application being used which will then become the default for this application and other applications as well.

This function has benefits for applications that may utilize batch printing such as:

- Autodesk Revit
- Adobe

- Photoshop
- Microstation

Example of Functionality:

With Maintain Driver Preferences **Disabled** (turned OFF)

The KIP Window Driver was installed and the default settings were set to the following ...

- Paper Size set to 24x36in.
- Orientation set to Portrait.

			Options	
	Page Size	Copies	Automatic Status Query:	⊙ Disable ○ Enable
			Refresh Status	
	↑]		Mode:	● PS ○ GL
\sim			Job Separator:	⊙ Disable ○ Enable
ond	Arch. D 24x36		Set Separator:	⊙ Disable ○ Enable
g	Orientation	Collati	Maintain Driver Preferences:	⊙ Disable ○ Enable
\mathbb{Z}			Disable Pass Through:	⊙Disable ○Enable
[]			Driver Version: 2.00	
			IP Address: 10.10.1.179	
uto	Portrait	Smart	SNMP Community: public	5
			ОК	Cancel

The print options in Adobe will reflect the KIP Driver defaults set during the install even if the Paper size and Orientation is changed for any instance of printing.

	Print					×
	Printer: KIP 870KTC Copies: 1	- -		Properties	ayscale (black and white)	Help (?)
Orientation: O Auto portrait/landscape Portrait	Pages to Print ● All ○ Current page ○ Pages 1 - 3 ▶ More Options	All Current page Pages 1 - 3			Comments & Forms Document Summarize Comments Scale: 282%	
○ Landscape	Page Sizing & Hand	dling (i)			24 x 36 Inches	
	Size Fit	Poster	Multiple	Booklet	Paper Sices	

With Maintain Driver Preferences Enabled (turned ON)

The print options in Adobe will now reflect the settings set during the last instance of printing. In this case the last page size in the Adobe application was set to 18X24.

Maintain Driver Preferences:	O Disable Enable	Print: KIP 870KTC Properties Advanced Copies: 1 Copies: 1 Copies: 1 Copies: 1 Copies: 1 Copies: 1 Copies: 1 Copies: 1 Copies: 1 Copies: 1 Copies: 1 Copies: 1 Copies: 1 Copies: 1 Copies: 1 Copies: 1 Cop			
		Pages to Print	Comments & Forms Document Summarize Comments		
		► More Options Page Sizing & Handling ①	Scale: 212% 18 x 24 Inches		

By going to the installed printers (Windows 7 Icon\Devices and printers) printing preferences you can verify the new default settings. The new default settings are now set to the following...

- Paper Size set to **18x24in.**
- Orientation set to **Portrait**.

KIP 600 <u>h</u>	ttp://10.10.1.179					Options X
Media O Bond	Page Size	Copies	Color Mode	Log In	[] Tone	
Finishing Auto	Orientation Portrait	Collation	Quality	Ps Presets Default	,	
Template		V 🖪 🛡	Expan	d 💙 🛛	ОК	Cancel

With the Maintain Driver Preferences turned ON, the change made in the application has become the new global default for the driver.

Disable Postscript Passthrough

Disable Postscript Passthrough", when Disabled (Default) allows applications capable of rendering their own postscript to be honored by the driver.

"Disable Postscript Passthrough", when Enabled, forces the Windows Driver to render PostScript data directly, preventing capable application(s) from generating its own Postscript data. Some programs, such as Corel Draw, Word, Excel, etc. can render Postscript data natively which may cause conflict in certain situations.

Automatic Status Query: Disable Denable Mode: PS OGL Job Separator: Obsable Disable Disable Disable Disable Disable Disable Disable Disable Disable Pass Through: Disable Disable Diver Version: 1.47 IP Address: 10.10.1.128 SNMP Community: public OK CANCEL		OPTIONS	
Mode: Job Separator: Set Separator: Maintain Driver Preferences: Disable Disable Pass Through: Diver Version: I.47 IP Address: NMP Community: public Public	Automatic Status Qu	iery:	
OGL Job Separator: Disable Set Separator: OEnable Maintain Driver Preferences: Disable Disable Pass Through: OEnable Driver Version: 1.47 IP Address: 10.10.1.128 SNMP Community: public		REFRESH STATUS	
ÖEnable Set Separator: Disable OEnable Maintain Driver Preferences: Disable Disa	Mode:		
O Enable Maintain Driver Preferences: Disable Disable Pass Through: O Disable Driver Version: 1.47 IP Address: 10.10.1.128 SNMP Community: public	Job Separator:		
ÖEnable Disable Pass Through: OEnable Driver Version: 1.47 IP Address: 10.10.1.128 SNMP Community: public	Set Separator:		
ÖEnable Driver Version: 1.47 IP Address: 10.10.1.128 SNMP Community: public	Maintain Driver Prefe	rences:	
IP Address: 10.10.1.128 SNMP Community: public	Disable Pass Through		
SNMP Community: public	Driver Version:	1.47	
		10.10.1.128	
OK CANCEL	SNMP Community:	public	
	ОК		CANCEL

The KIP PDF option is required for printing KIPScript data. Please contact your local KIP dealer for details.

Certain applications work better depending on the Output Format.

- Applications using heavy raster or photographic data work best with KIPScript type output. Examples: Adobe Acrobat products, Adobe Illustrator Products, Adobe Photoshop Products and Corel Draw based products.
- Microsoft applications generally work well with either output format. Examples: Microsoft Word, Excel, Project.

Appendix 3

Using Role Based Access Control (RBAC) with the KIP Windows Driver

If the RBAC is being used to create specific roles for individual users these roles will apply when printing from the KIP System K Windows Driver (SYSKWPD) as well.

There are two main Roles that can be applied to the SYSKWPD, Color User and B&W User. If a role is created (using the KIP Accounting Center application) and is then assigned to a user's login they will only have these abilities when printing from SYSKWPD. The bellow screen shots show what happens if the user does not have the rights to print in either B&W or Color.

Black & White Only User – This user only has the ability to print with B&W output. When the wants to print they will be prompted to enter the required data. Ore if they want to go to Printing Preferences they will be prompted for required. Here all three fields are required:

KIP 600 h	http://10.10.1.179	2			Options X
Media Ooo Bond	Page Size	User Name DLC Password Project #1" Password	ankford	a In	Printer Status Warming Up Toner Media
Finishing Auto	Orientation Portrait	Department Ac Password	counting 🔹	Presets Default	
Template		▼	Expand 🔊	· · ·	K Cancel

Once logged in they will be able to make the necessary changes prior to sending their file to the KIP Printer. The user "Tony" is a B&W only user. When logged in only BlackWhite and Gray are available selections.

Print Quality:	Photo 🔹
Color Mode:	Gray 🔹
OK R	BlackWhite Gray

Here the user "Steve" is a Color Only User – This user only has the ability to print with Color output. When a Color File is selected and then the user tries to print in B&W mode the following message appears:

	http://10.10.1.179			Options X
		User Name Stev	e 🔹	Printer Status
Media O Bond	Page Size	Password ••• Project #1" Password		Warming Up Toner Media
Finishing	Orientation	Department Accor	ounting	
Auto Template	Portrait	<u>ок</u>	Cancel Expand V	OK Cancel

Once logged in they will be able to make the necessary changes prior to sending their file to the KIP Printer. The user "Steve" is a Color only user. When logged in color mode as well as BlackWhite and Gray are available selections.

Print Quality:		Photo 🔹
Color Mode:		Color 🔹
ОК	R	BlackWhite Gray
		Color

Appendix 4

Setup Local/Shared Templates for use in the KIP Windows Driver

The KIP Windows Driver has the ability to create templates that can be used at a later time.

When creating a template, the user will have the choice of saving the template in one of two ways:

- 1. Locally the template created will be saved to the local workstation and will only be available for use from that workstation.
- 2. Shared the template created is shared to all clients connected to a shared instance of the Printer.

Note: The ability to save/delete shared templates is dependent upon the NTFS security permission 'Manage this printer' assigned for the user(s)/group(s) against the shared printer object.

To create a Local Template, follow these steps:

Step	Action	Illustration
1.	Open Devices and Printers, Right click on the Printer Icon, Select 'Printing Preferences'.	V Open Open in new window See what's printing V Set as default printer Printing preferences Printer properties Create shortcut Troubleshoot Remove device Properties
2.	Once the Preferences window opens make desired setting selections. Here the following are set: • Paper size – 12x18 • Quality – CAD/Gray	Media Page Size Copies Color Mode Log In Image: Solution Bond Image: Solution Solution Image: Solution Solution Image: Solution Solution Image: Solution Solution Image: Solution Solution Solution Solution Image: Solution Solution Solution Solution Solution Solution Solution Image: Solution So
3.	Select the Save Button	Template

Step	Action	Illustration
4.	Enter the name for the template and select OK.	Name : 24x18 CAD-Gray
		Note: The template will be saved locally to the workstation where it is created.
5.	The new template will now be available in the dropdown list.	Template 24x18 CAD-Gray Image: Calibratic control of the second sec

To create a Shared Template, follow these steps:

Step	Action	Illustration
1.	Open Devices and Printers, Right click on the Printer Icon, Select 'Printing Preferences'.	Open Open in new window See what's printing Set as default printer Printing preferences Printer properties Create shortcut Troubleshoot Remove device Properties
2.	Once the Preferences window opens make desired setting selections. Here the following are set: • Paper size – 24x18 • Quality – CAD/B&W	Media Page Size Copies Color Mode Log In Image: Size Image: Size Image: Size Image: Size Image: Size Image: Size Bond Arch. C 18x24 Image: Size Image: Size Image: Size Image: Size Image: Size Finishing Orientation Collation Quality Ps Presets Image: Auto Image: Size Image: Size Image: Size Image: Size Image: Size <
3.	Select the Save Button	Template 🔽 📃 🥛
4.	Enter the name for the template and select the is loon to share the template (it will turn green) Note: The ability to save/delete a shared template is dependent upon the NTFS security permission 'Manage this printer' assigned for the user(s)/group(s) against the shared printer object. Select OK.	Name : 24x18 CAD-BW OK RESET CANCEL Name : 24x18 CAD-BW Sok RESET CANCEL Note: The template will be shared for other users attached to the shared instance. If the icon to share the template is not active, the user does not have.
		the template is not active, the user does not have permissions to save the template as a shared template.

Step	Action	Illustration
5.	The new template will now be available in the dropdown list.	Template 24x18 CAD-BW Image: Calibratic condition 43 24x18 CAD-Gray 7.4 43 BOND-2TEST 4 44 24x18 CAD-BW 7.6 44 24x18 CAD-BW 0
		Note: Shared templates will have the Loon next to it.

Appendix 5 - KIP Windows Driver in a Citrix Environment

1 - Installing driver on print server

Connect to print server. Can be physical server or Citrix Virtual Server Desktop.

Citrix StoreFr	ont				Citrix Admin 🔻
				Q Sea	rch Desktops
2012R2 Desktop	Details	WIN10X64	Details	WIN7X64	Details

Manual Install:

Open print manager

Right click printer and select add printer

德	Print	Management	:		_ D X
File Action View Help					
🧇 🔿 🔁 🖬 🙆 😽	?				
Print Management Solution Custom Filters	Printer Name	Queue Status	Jobs In	Server Name	Actions
Custom Pilters A Print Servers	Send To OneNote 2013	Ready Ready	0	2012R2 (local) 2012R2 (local)	Printers 🔺
 2012R2 (local) Drivers Forms Ports Ports Deployed Printers 		, cosy			More Actions
	< 111			>	
,					

Select Add a TCP/IP or Web Services Printer by IP address or hostname

÷	Network Printer Ir	stallation Wizard	x
Ρ	Trinter Installation Pick an installation method.		
) Search the network for printers Add a TCP/IP or Web Services Printer by IP add	ress or hostname	
Ċ	Add a new printer using an existing port:	LPT1: (Printer Port)	~
C	Create a new port and add a new printer:	Client Printer Port	_
		< Back Next > Cance	!

Enter IP address and select Next

Retwork Printer Installation Wizard						x
Printer Ade You car	dress n type the printer's network nam	ne or IP address.				
	of Device:	Autodetect			•	
Host r	name or IP address:	192.168.1.104				
Port n	ame:	192.168.1.104				
Au	to detect the printer driver t	o use.				
			< Back	Next >	Cance	I

Select install new driver and click next

	Network Printer Installation Wizard	x
Pr	inter Driver Pick a driver for the new printer.	
0	Use the printer driver that the wizard selected Compatible driver cannot be found. Use an existing printer driver on the computer	
	Citrix Universal Printer 🗸 🗸	
۲) Install a new driver	
	< Back Next > Cance	

Select have disk

le Network Printer Installation Wizard	x
Printer Installation Select the manufacturer and model of your printer.	
Choose your printer from the list. Click Windows Update to see more models. To install the driver from an installation CD, click Have Disk.	
Manufacturer Printers Brother Canon Citrix Dell Brother Color Type3 Class Driver Brother Color Type4 Class Driver Brother Color Type4 Class Driver Brother Color Type4 Class Driver Brother Generic Jpeg Type1 Class Driver Brother Generic Jpeg Type1 Class Driver Brother Generic Jpeg Type1 Class Driver Brother Generic Joeo Tvpe2 Class Driver This driver is digitally signed. Windows Update Have Disk Tell me why driver signing is important Vindows Update Have Disk	×
< Back Next > Canc	;el

Browse to KipSystemK.inf and select Open

1		Locate File			X
Look in:	SYSKWPD_	v.0.980_(CERTIFIED)	~	G 🤌 📂 🛄 -	
æ	Name	•		Date modified	Туре
2	실 AMD64			5/12/2017 12:32 PM	File folder
Recent places	1386			5/12/2017 12:32 PM	File folder
	👔 KipSystemk	(4/11/2017 8:00 AM	Setup Info
Desktop					
Libraries					
This PC					
Network	<	III			>
Network	File name:	KipSystemK		¥	Open
	Files of type:	Setup Information (*.inf)		¥	Cancel

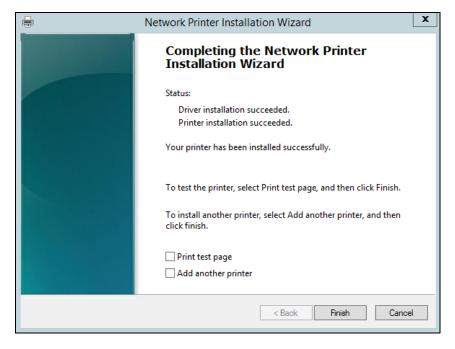
Select the printer model and click next

	Network Printer Inst	allation Wizard	X
Printer Insta Select the	llation manufacturer and model of your printer.		
	se your printer from the list. Click Windo stall the driver from an installation CD, c		ls.
	r is digitally signed. hy driver signing is important	Windows Update	A E V Have Disk
		< Back Next >	Cancel

Enter printer name and sharing settings

		Network Printer Installation Wizard	x
		Sharing Settings printer a friendly name and specify whether other people can use the printer.	
Print	ter Name:	KIP 860	
	Share this prin	ter	
Sh	are Name:	KIP 860	
Lo	ocation:		
Co	omment:		
		< Back Next > Cancel	

Click finish to finalize installation



Optional: Open Manage Sharing for KIP Printer and select list in directory to be automatically be discovered when adding the printer to the client

(b)	Print Ma	nagement			_ 🗆 🗙
File Action View Help					
🗢 🄿 🖄 📰 🗙 🗟	?				
汩 Print Management	Printer Name	Queue Status	Jobs In	Server Name	Actions
Custom Filters	🖷 KIP 860	Ready	0	2012R2 (local)	Printers
⊿ Print Servers ⊿ 2012R2 (local)	Hicrosoft XPS Document Writer Send To OneNote 2013	Ready Ready	0 0	2012R2 (local) 2012R2 (local)	More Actions 🕨
Drivers					KIP 860 🔺
📮 Ports				Open Printer Queue	e
Printers				Pause Printing	
📻 Deployed Printers				List in Directory	
				Deploy with Group	Policy
				Set Printing Default	is
				Manage Sharing	
				Print Test Page	
				Enable Branch Offic	ce Direct Printing
				Properties	
				Delete	
				Rename	
				Help	
	< 111			>	
Displays the sharing properties	for the selected printers.				

-	KIP 860 Properties					
Color Managem	Color Management Security Device Property Page					
General	Sharing	Por	ts	Advanced		
	You can share this printer with other users on your network. The printer will not be available when the computer is sleeping or turned off.					
✓ Share this p						
Share name:	KIP 860					
✓ Render print ✓ List in the discrete	t jobs on client comp irectory	uters				
If this printer is shared with users running different versions of Windows, you may want to install additional drivers, so that the users do not have to find the print driver when they connect to the shared printer. Additional Drivers						
	[ОК	Car	ncel Apply	/	

Automatic Installation

Run SYSKWPD.exe, enter your settings and click begin

Ŵ	KIP SystemK Printer Driver Installer v.0.3.0.980	
	Installation Har	ndling
	Automatic	Manual
	Specify Printer Name:	SNMP Community:
	KIP 860	public
	Host Name or IP Address:	Discovered Host Name:
KIP SYSTEM K	192.168.1.104 v	
SOFTWARE	Specify Printer Model:	Specify Driver Output Type:
Administrative Rights Required	KIP 860 V	POSTSCRIPT
		Restrict Driver Output Type
	Ready	
<u>森</u>		Begin Quit

Open Printer Properties of KIP 860 and select Sharing tab. Check the box labeled Share this printer. Optional: check box to list the printer in directory.

kiP 860 Properties							
Color Managem	Color Management Security Device Property Page						
General	Sh	aring	Por	ts	Advanced		
	You can share this printer with other users on your network. The printer will not be available when the computer is sleeping or turned off.						
Share this p	rinter						
Share name:	KIP 860						
🗹 Render prin	t jobs on	client comp	uters				
✓ List in the d	irectory						
Windows, y	ou may w t have to	d with users vant to insta find the prir	II addition	hal drivers, when they o			
			ОК	Ca	ncel Apply		

2 - Installing driver on Citrix Virtual Desktop from server share

Load Citrix Desktop VM

Citrix StoreFront	FAVORITES		Citrix Admin 🔻
			Q Search Desktops
Details 2012R2 Desktop	WIN10X64	Details	Details WIN7X64

Option 1:

Start, Run, then type the sharepath the to the KIP printer installed on the server. Click OK and the connection to the shared printer will be established.

🖅 Run	×
	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.
Open:	\\2012R2\KIP 860 ~
	OK Cancel Browse

Option 2:

If the option to list the printer in the directory was enabled you can open devices and printers, click add printer and select it from the list.

Add a device	_		×
Choose a device or printer to add to this PC Select a device			_
KIP 860 on 2012R2 Printer			
The printer that I want isn't listed			
	Next	Can	cel

3 - Installing KIP printer driver locally on Citrix virtual desktop

Load Citrix virtual desktop (Win 7 or Win 10)

Citrix StoreFront	FAVORITES		Citrix Admin 🔻
			Q Search Desktops
Details 2012R2 Desktop	WIN10X64	Details	Details WIN7X64

Option 1:

Run the SYSKWPD.exe, enter the settings and click begin.

w	KIP SystemK Printer Driver Installer v.0.3.0.98	
	Installation Har	dling
	Automatic	Manual
	Specify Printer Name:	SNMP Community:
	KIP 860	public
KIP SYSTEM K	Host Name or IP Address: 192.168.1.104	Discovered Host Name:
SOFTWARE	Specify Printer Model:	Specify Driver Output Type:
Administrative Rights Required	KIP 860 V	POSTSCRIPT V
		Restrict Driver Output Type
	Ready	
¢.		Begin Quit

Option 2:

Install manually using kipsysk.inf

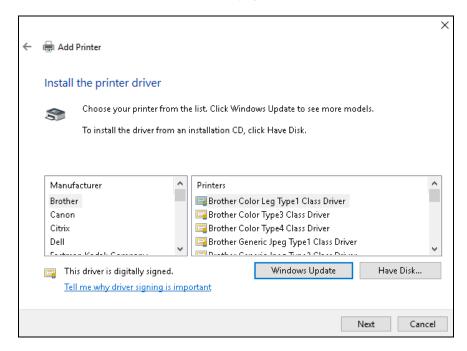
Open devices and printers and select add a printer. Choose Add a printer using TCP/IP address or hostname.

		Х
÷	🖶 Add Printer	
	Find a printer by other options	
	O My printer is a little older. Help me find it.	
	○ Find a printer in the directory, based on location or feature	
	O Select a shared printer by name	
	Browse	
	Example: \\computername\printername or http://computername/printers/printername/.printer	
	Add a printer using a TCP/IP address or hostname	
	○ Add a Bluetooth, wireless or network discoverable printer	
	○ Add a local printer or network printer with manual settings	
	Next Cancel	

Enter the IP address and click next

		×
←	🖶 Add Printer	
	Type a printer hostname o	r IP address
	Device type:	Autodetect 🗸 🗸
	Hostname or IP address:	192.168.1.104
	Port name:	192.168.1.104
	Query the printer and automat	cally select the driver to use
		Next Cancel

Select Have disk and browse to kipsystemk.inf



Select the printer model and click next

						>
~	🖶 Ad	d Printer				
	Insta	I the printer driver				
	3	Choose your printer from the	list. Click Windo	ows Update to see more mo	dels.	
		To install the driver from an in	stallation CD, c	lick Have Disk.		
	Print					^
		9 7970K 9 850				
		P 860				
		9 870				
		000				×
	📑 T	his driver is digitally signed.		Windows Update	Have Disk	
	I	ell me why driver signing is impor	<u>rtant</u>			
					Next Cano	:el

Give the printer a name and click next

		×
÷	🖶 Add Printer	
	Type a printer name	
	Printer name: KIP 860	
	This printer will be installed with the KIP 860 driver.	
	Next Cancel	

Select Do not share this printer and click next.

\downarrow	🖶 Add Printer	×
	Printer Sharing	
		nter, you must provide a share name. You can use the suggested name or type will be visible to other network users.
	Do not share this printer	
	○ Share this printer so that	others on your network can find and use it
	Share name:	KIP 860
	Location:	
	Comment:	
		Next Cancel

Select Finish to complete the installation

		\times
\leftarrow	🖶 Add Printer	
	You've successfully added KIP 860	
	☑ Set as the default printer	
	To check if your printer is working properly, or to see troubleshooting information for the printer, print a test page.	
	Print a test page	
	Finish Cancel	

4 - Installing driver on physical PC and having printers auto-populate on virtual desktop

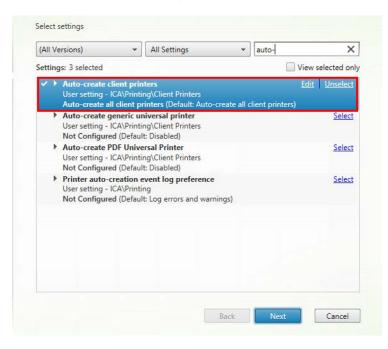
The printers that are installed on a PC/Server hosting a virtual desktop session can be auto-populated on the virtual machine. For example, I am using a notebook running Windows 7 x64 to host a Windows 10 x64 virtual desktop. All or some of the printers installed on the host will automatically populate in the devices and printers of the virtual desktop depending on the policy settings in Citrix Studio. By default, the policy is set to auto-populate ALL printers, but this can be changed by the System Admin.

To check or change these settings, launch the Citrix Studio on the controller running XenServer.

#		Citr	ix Studio			- 1	-	X
File Action View Help								
 Console Root Console Root Citrix Studio (EvalSite) Search Machine Catalogs AppDisks Delivery Groups Applications Policies Configuration Administrators Controllers Hosting Licensing StoreFront AppDNA Cones Citrix StoreFront Stores Server Group 	CITRIX Policies Templates Comparison Policies 1 Unfiltered	Modelling Unfiltered Overview Name: Priority: Status: Descriptio	cann	policy, it	View Refresh Help filtered Edit Policy. Disable Pol Save as Ter	 licy	•	*

Select Policies, then Edit Policy...

Select Auto-Create client printers and select Edit



Any of the following options can be selected

Edit Setting	
Auto-create client printers	
Value: Auto-create all client printers Use Do not auto-create client printers Auto-create the client's default printer only Virtu Auto-create local (non-network) client printers only Virtu Auto-create all client printers Server OS, 7.8 Desktop OS, 7.9 Server OS, 7.9 Desktop OS, 7.11 Server OS, 7.1 Desktop OS, 7.8 Server OS, 7.8 Desktop OS, 7.9 Server OS, 7.13 Desktop OS, 7.11 Server OS, 7.11 Desktop OS, 7.12 Server OS, 7.12 Desktop OS, 7.13 Server OS, 7.13 Desktop OS, 7.13 Server OS, 7.13 Desktop OS, 7.13 Server OS, 7.10 Desktop OS, 7.11 Desktop OS, 7.11 Desktop OS, 7.12 Desktop OS, 7.13 Server OS, 7.13 Desktop OS, 7.11 Desktop OS, 7.11 Desktop OS, 7.12 Desktop OS, 7.11 Desktop OS, 7.11 Desktop OS, 7.12 Desktop OS, 7.13 Server OS, 7.13 Desktop OS, 7.11 Desktop OS, 7.11 Desktop OS, 7.12 Desktop OS, 7.12 Desktop OS, 7.13 Server OS, 7.13 Desktop OS, 7.11 Desktop OS, 7.11 Desktop OS, 7.12 Desktop OS, 7.13 Server OS, 7.13 Desktop OS, 7.11 Desktop OS, 7.11 Desktop OS, 7.12 Desktop OS, 7.13 Server OS, 7.13 Desktop OS, 7.13 Desktop OS, 7.13 Desktop OS, 7.13 Desktop OS, 7.11 Desktop OS, 7.11 Desktop OS, 7.12 Desktop OS, 7.13 Server OS, 7.13 Desktop OS, 7.13	•
 Description Specifies which client printers are auto-created. This setting overrides default client printer auto-creation settings. By default, all client printers are auto-created. This setting applies only if the "Client printer redirection" setting is enabled. "Auto-create all client printers" creates all printers on the client device. "Do not auto-create client printers" turns off printer autocreation when users log on. "Auto-create the client's default printer only" automatically creates the printer selected as the client's default printer. "Auto-create local (non-network) client printers only" automatically creates only printers directly connected to the client device through LPT, COM, USB, or other local port. 	
OK Cance	

The printers have been populated from the host machine are indicated by hostname

