KIP Windows Universal Driver

Installation & User Guide

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Contents

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 Version 4 Windows driver is designed for local installation in the absence of a shared printer environment for ease of installation and to improve the user experience.

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
>	Label documents with username, job number and data tracking information
>	Job accounting and data tracking information

1.1.1 Requirements:

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

-	Windows 10 64 bit
-	Windows 11
-	Windows Server 2016
-	Windows Server 2019
-	Windows Server 2022

NOTE:

Microsoft .Net Framework 4.8 is required on all operating systems to be included in the driver package (distributable).

## 1.1.2 Supported Operating Systems

- Windows 10 64 Bit
- Windows 11
- Windows Server 2016
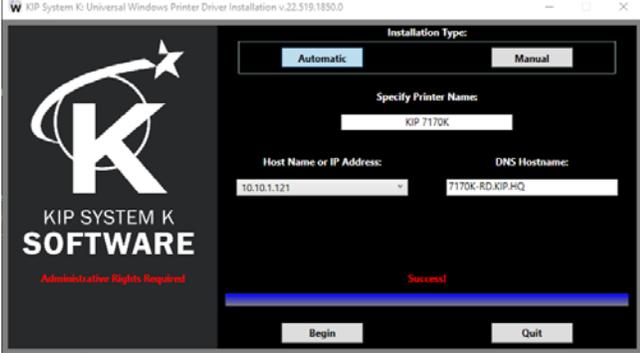- Windows Server 2019
- Windows Server 2022

2 WPD Loaded Locally

Installation and Setup (Automatic)

The Following section describes the Installation of the KIP System K Windows Driver® Please follow the Step-by-step procedure for correct installation.
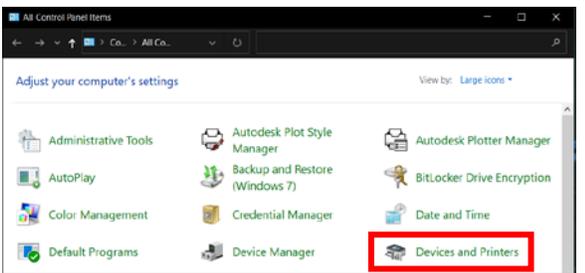
Step	Action	Illustration
1.	Open the Universal Windows Driver folder and double click the icon. **Please Note: This driver is designed to be installed locally at each workstation.**	
2.	If asked to authorize select "Yes".	
3.	The installer will search the network for System K printers. All discovered KIP System K printers will be displayed in the "Discovered IP Address" dropdown. Once the IP is selected from "Discovered IP Address" dropdown menu, the other fields will populate automatically. Click Begin to commence installation. **Please Note: The Universal WPD only installs in postscript mode. No GL mode is available.**	
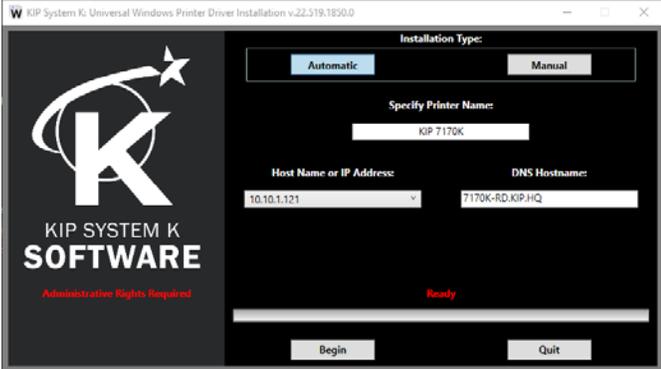
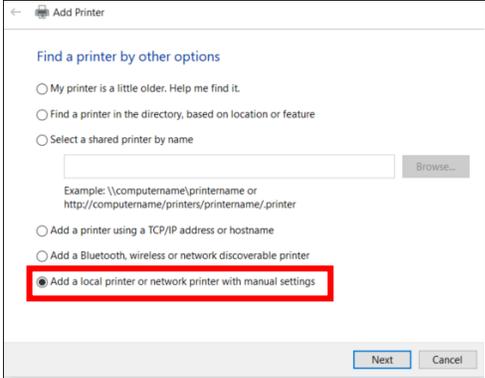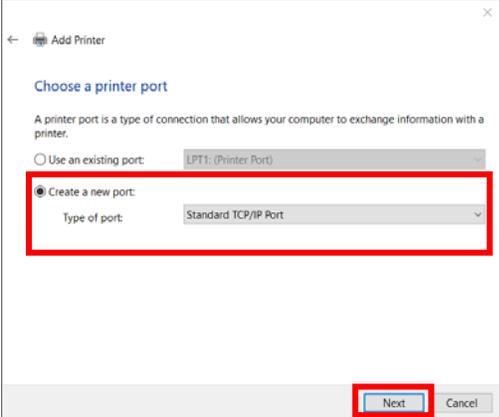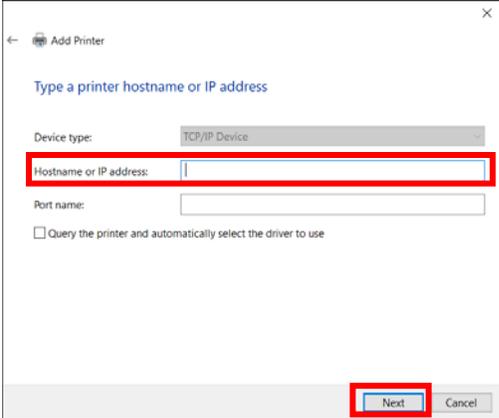| Step	Action	Illustration
4.	Once Complete the driver installation will display Success! A message to reboot may also be displayed.	
5.	When Done Installing select the "Quit" button to Close the installation.	
6.	**REBOOT THE WORKSTATION IF PROMPTED – THIS STEP MUST BE DONE!**	
7.	The Driver is now installed and should be present in the Printers & Scanners screen	
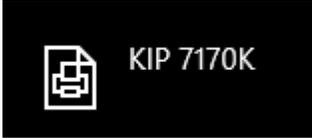
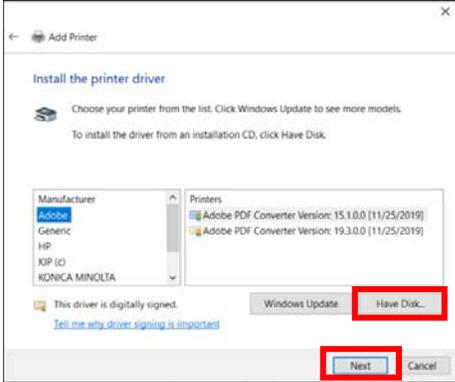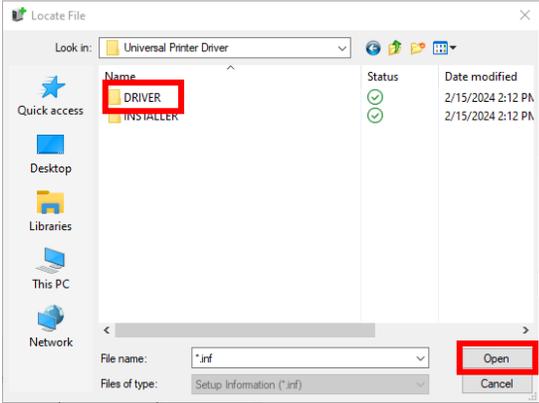# 3 Installing the Universal Windows Driver Manually

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

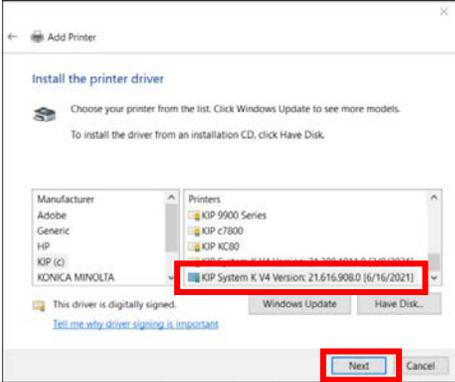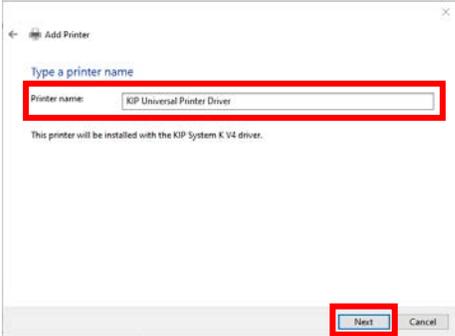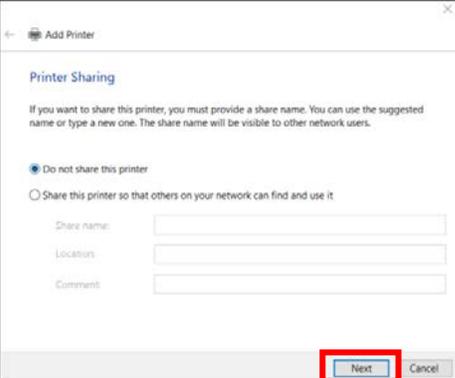| Step	Action	Illustration
1.	There are a couple of ways to start: 1. Type Printers and Scanners into the search bar. Select the Printers and scanners option. 2. Open Control Panel and select Devices and Printers. The following steps are using Control Panel.	
2.	Select Add a Printer	
3.	Select "The printer that I want is not listed".	

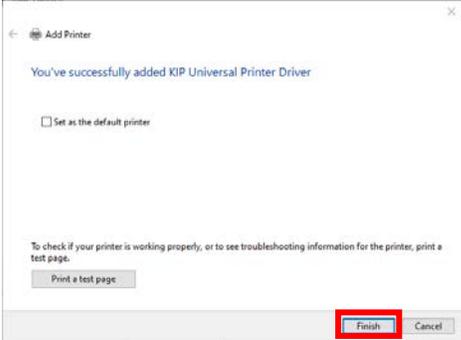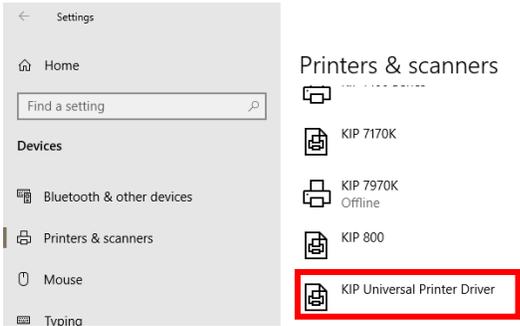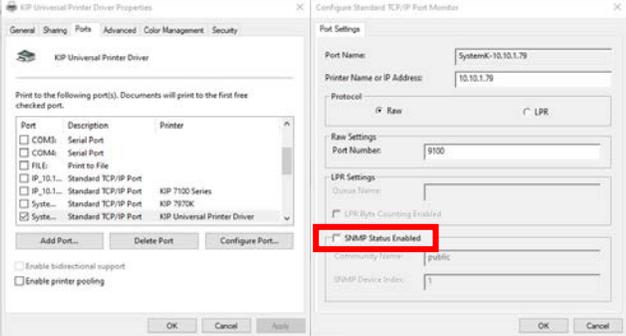| Step	Action	Illustration
4.	Select "Add a local printer or network printer with manual settings". Select Next	
5.	Select "Create a new port". Set the "Type of port" to Standard TCP/IP Port Select Next	
6.	When the Type a printer hostname or IP address window opens enter the KIP Printer's Hostname or IP Address and select Next.	

Step	Action	Illustration
7.	Select the Have Disk Button Select Next	
8.	Browse to the location of the KIP Windows Universal Driver Folder. Open the folder and then open the "DRIVER" folder.	
9.	Select the KipV4Win.inf and select Open	
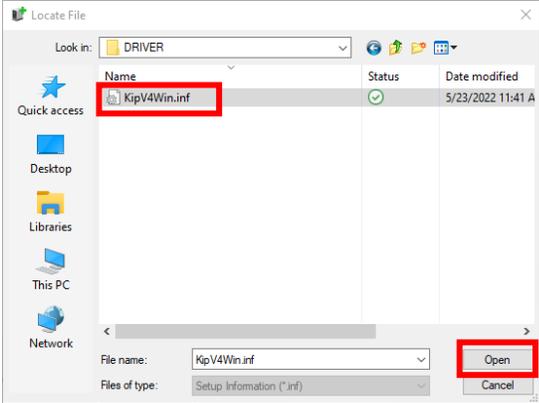
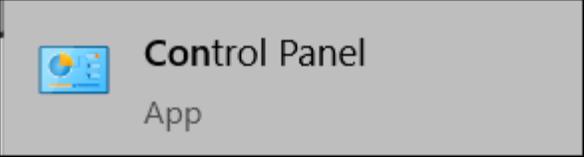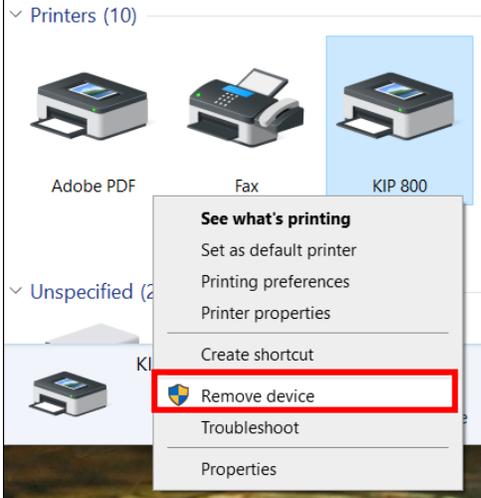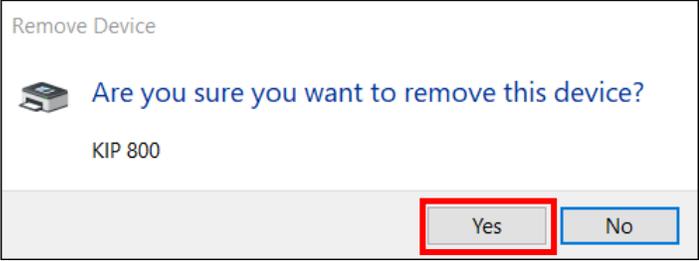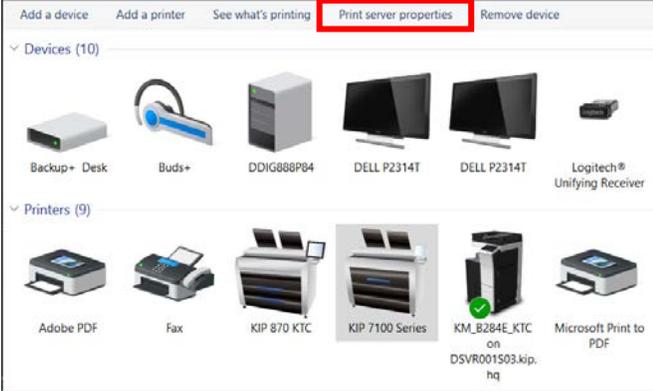| Step	Action	Illustration
10.	This will add the Driver to the Manufacturer list. Scroll down and select KIP from the list. And then scroll down and select the V4 Driver.	
11.	Name the Printer and select Next	
12.	Select if the printer is to be shared and select Next. **Note: a local install of this driver is strongly recommended**	

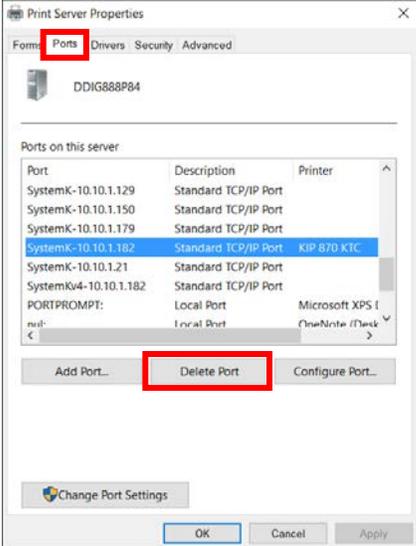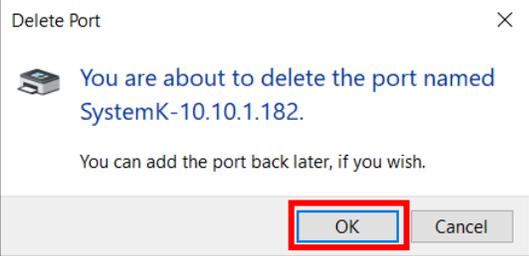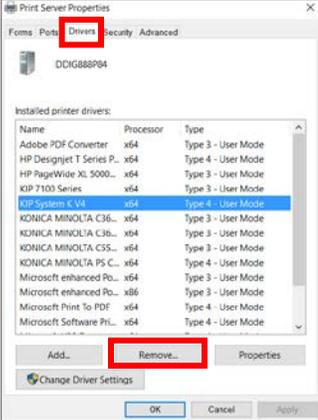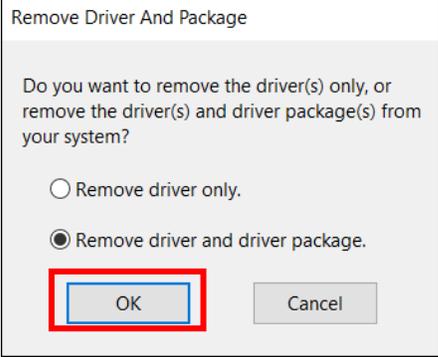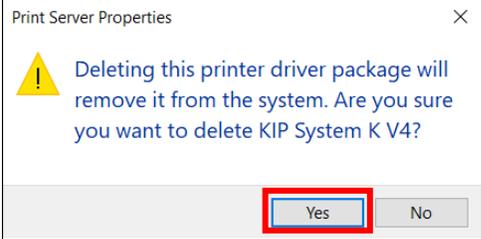| Step	Action	Illustration
13.	Print a test page if desired and then select Finish	
14.	Confirm printer instance has been added to Printers and Scanners.	
15.	**PLEASE NOTE**	**If installing the KIP V4 Windows Driver manually and Sleep modes are going to be used it will be necessary to disable SNMP at the Port level. If this is not done the Driver will not be able to wake the printer if in sleep mode.**

4 Uninstalling the Windows Driver – Automatic

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

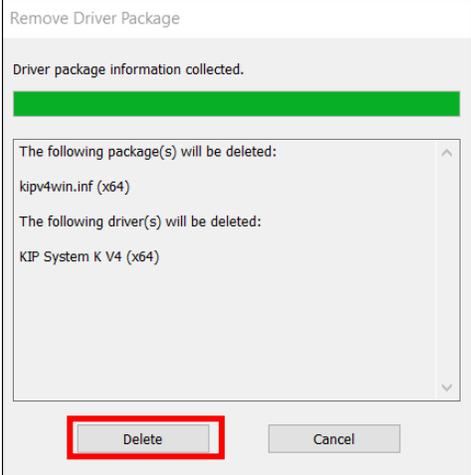| Step	Action	Illustration
1.	Open Control Panel	
2.	Open Devices and Printers	
3.	Select the KIP Printer and right click on it. Select Remove Device.	
4.	When asked "Are you sure you want to remove this device" select Yes. This will remove the printer instance.	

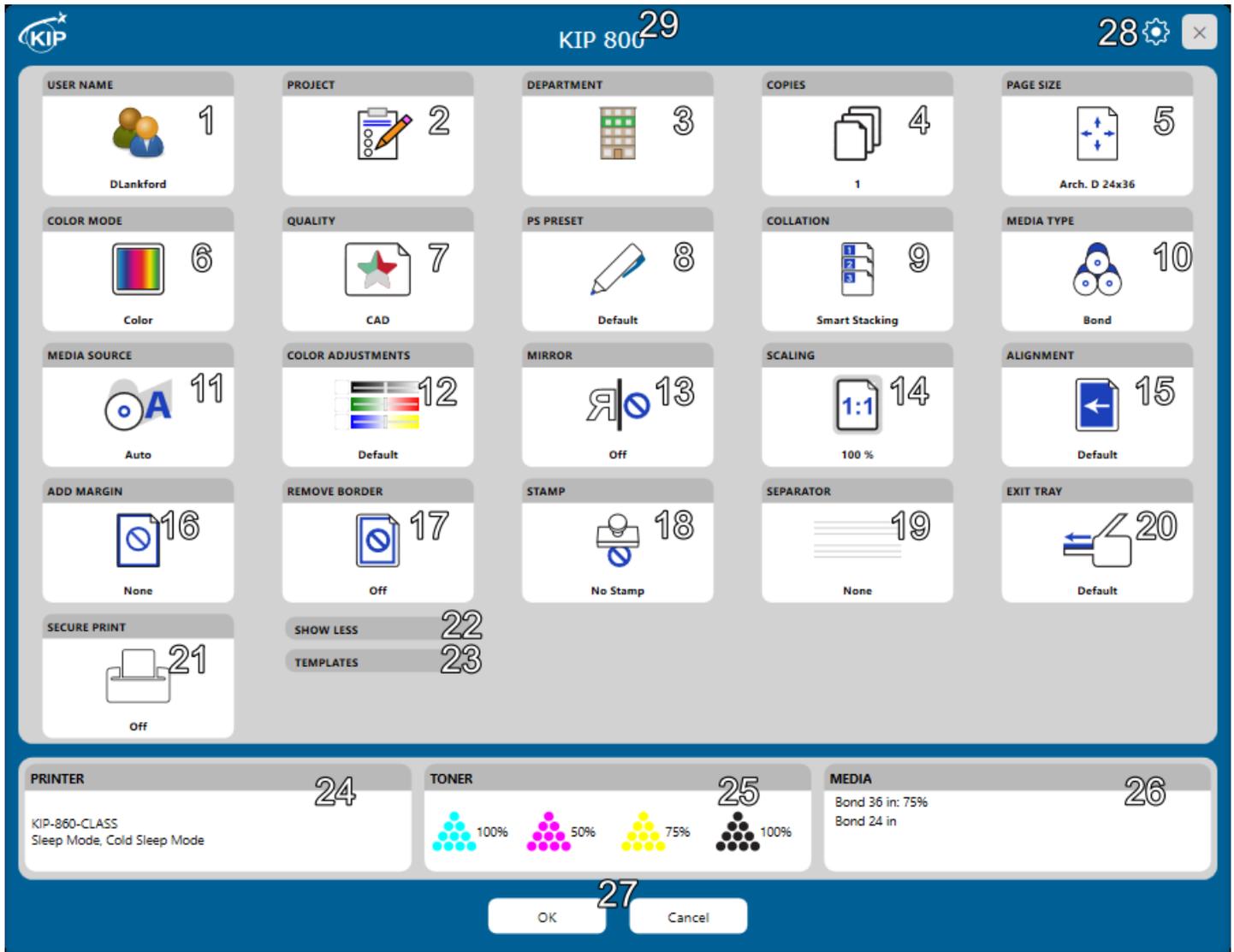| Step	Action	Illustration
5.	Next select any Printer Icon. This will allow for the Selection of Print Server Properties from the top menu.	
6.	Select the Ports Tab and scroll to the KIP Printer that was just removed. And select Delete Port.	
7.	Select OK to Delete the Printer.	

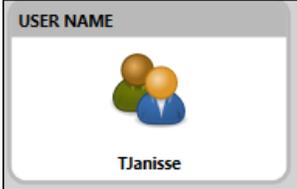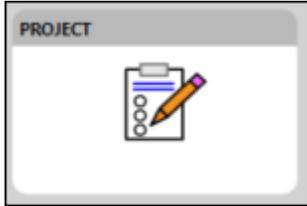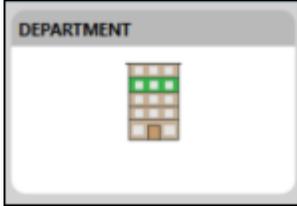| Step	Action	Illustration
8.	Select the Drivers Tab, select the KIP V4 driver and then select Remove	
9.	Next, select "Remove driver and driver package. Select OK	
10.	Select "Yes" for the following message.	

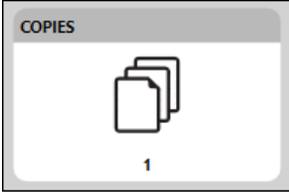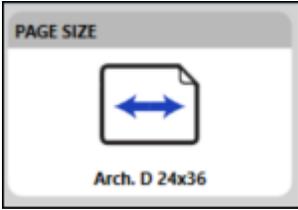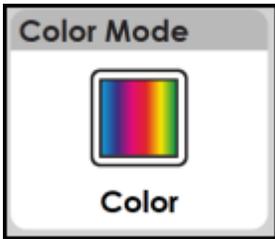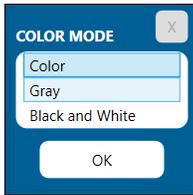| Step	Action	Illustration
11.	Once the driver package information is collected select Delete. This will remove the Driver and its installation package from the workstation. Reboot the workstation if asked to do so.	**Remove Driver Package** Driver package information collected. The following package(s) will be deleted: kipv4win.inf (x64) The following driver(s) will be deleted: KIP System K V4 (x64) [Delete] [Cancel]

5 Printing Preferences

6 Printing Preferences – Main Screen

Component	Function
1. User Name	
	If accounting is not active (Users are not asked to login) the software will use %username% and pull the name of the person currently logged in. If accounting is active (Users are asked to login) the username entered will be used.
2. Project	
	The Project field is used for accounting purposes, this can be a simple required entry box, a simple dropdown box with a selection of project names/numbers or a dropdown with a selection of project names/numbers with passwords that are required.
3. Department	
	The Department field is used for accounting purposes, this can be a simple required entry box, a simple dropdown box with a selection of department names or a dropdown with a selection of department names with passwords that are required.

Component	Function
4. Copies	
	Allows for the selection of the number of copies to be printed.
5. Page Size	
	Allows for the selection of the size the document is to be printed.
6. Color Mode	
	Set Color Mode, Choose from Black and White (1bit), Gray (8bit) and Color (24bit) modes for printing.

Component	Function
7. Quality	
	Choose from default Print Quality settings: - CAD - Graphics - Photo Custom Print Quality Presets (if available)
8. PS Preset	
	Allows for the selection of a Postscript preset other than the Default.
9. Collation	
	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 (Default).
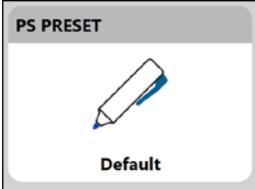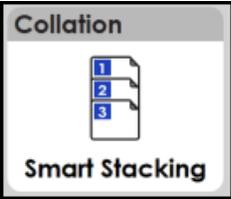
Component	Function
10. Media Type	
	Allows for the selection of available media currently loaded in the KIP Printer. Available medias will be listed in the selection window.
11. Media Source	
	Select from Roll or Cut Sheet (if active and available)
12. Color Adjustment	
	Brightness – Slider controlls brightnes from -20 (dark) to +20 (light). Green to Red Adjust – Slider controlls Gren to Red color from -20 (Green) to +20 (Red). 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.**
13. Mirror	
	Allows the user to Mirror the image on the output file.
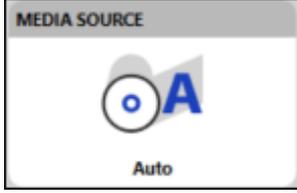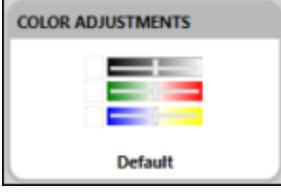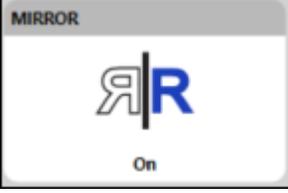
Component	Function
14. Scaling	
	Allows for the selection of Pre-Configured sizes or the entry of a specific Percentage.
15. Alignment	
	Choose from: Left Right or Center
16. Add Margin	
	Choose from:
	None: No change is made
	Shrink Image: Increasing the margin (Left, Right or Top, Bottom) will keep the same paper size but shrink and scale the image to fit
	Clip Image: Adds to the edges of the drawing but does not change its size or scale
	Expand Page: Drawing will keep the same image size/scale but will add white space to the page
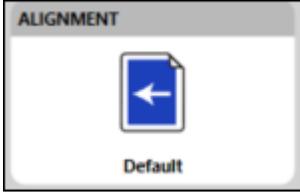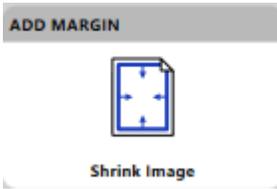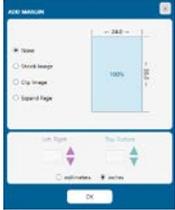
Component	Function
17. Remove Border	
	Allows the user to enable the ability to remove any white borders.
18. Stamp	
	Allows for the selection of a specific stamp to be applied to all sheets printed in the job.
19. Separator	
	Job Separator – Job Separator prints after the entire job has finished
	Set Separator - Set Separator prints after each set has finished
	Job and Set – Separator prints after each Set/Job has finished
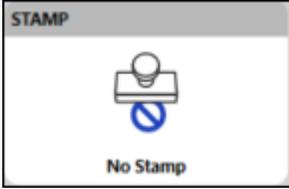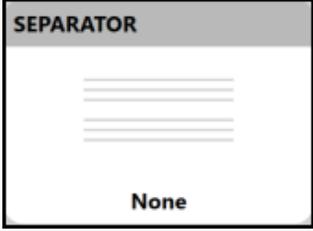
Component	Function
20. Exit Tray	
	Allows for the selection of available finishing options, Top, Rear, Fold (if a folder is attached). Note: on the KIP 970 there is no Front option.
21. Secure Print	
	Secure Print has the following options: • None - Job is sent to the printer and prints out. • Pin - 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.
22. Show More/Show Less	
	Used to Collapse or expand the main properties window of the Driver.
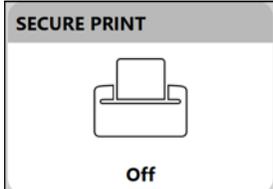
Component	Function
23. Templates	Allows the user to create templates that can be used at anytime to load in specific configurations.
24. Printer	Displays realtime status of the KIP Printer.
25. Toner	Displays realtime status of the remaining Toner.

Component	Function
26. Media	**MEDIA** Bond 36 in: 100% 32 lbs Presentation Bond 36 in:
	Displays real time status of the available media currently loaded in the KIP Printer
27. OK/Cancel	OK Cancel
	OK - Set changed settings. Cancel - Closes out of the screen
28. Options	⚙ X
	Options - Displays available Options (see section below for explanation of Options) X – Closes window

Component	Function

Options (details)
 	
• Preferences
  a. Enable SNMP. SNMP Community: Public (can be edited)
  b. Save changes made by applications
 	
• Print Time Preview
  a. On – Off by default
 	
• File Output
  b. Add XML settings
 	
• Driver Version – Displays Current Driver Version
 	
• Language
 	
Note: The "Enable SNMP" is on by default. This allows the KIP Windows Driver to wake the printer from sleep mode if Sleep modes are used.
	SETTINGS ✕
	
	PREFERENCES
	☑ Enable SNMP
	   SNMP Community: public ✎
	
	☐ Save changes made by applications
	
	PRINT TIME PREVIEW
	☐ On
	
	FILE OUTPUT
	☐ Add XML settings
	
	čeština
	Deutsch
	Ελληνικά
	English
	English (United Kingdom)
	español
	español (Estados Unidos)
	suomi
	français
	français (Canada)
	magyar
	italiano
	日本語
	한국어
	Nederlands
	polski
	português
	română
	русский
	slovenščina
	ไทย
	Türkçe
	中文(中国)
	中文(台灣)
	
	Version:
	22.519.1850.0 OK

29. Driver Name	**KIP Universal Printer Driver**

7 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.

7.1 Using the Driver from Adobe - Example

In this example Adobe Pro X will be used.

Step	Action	Illustration
1.	Open the Adobe Application	
2.	Go to File and then to "Open" or select from the "Open a Recent File" selection.	
3.	Go to File and Select Print and choose the KIP Universal Printer Driver.	
4.	To use the available options, select the Properties button.	

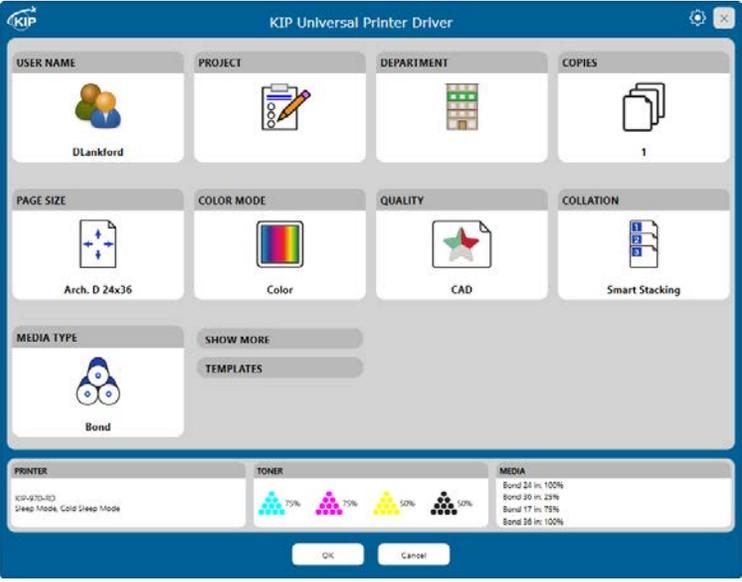| Step	Action	Illustration
5.	Once the Properties button opens make desired changes.	
6.	Select Show More for more options.	 Note: see the Above section for descriptions of options.
7.	Select OK	
8.	Select Print to send the File to the KIP Printer.	

7.2 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 2018 was used.

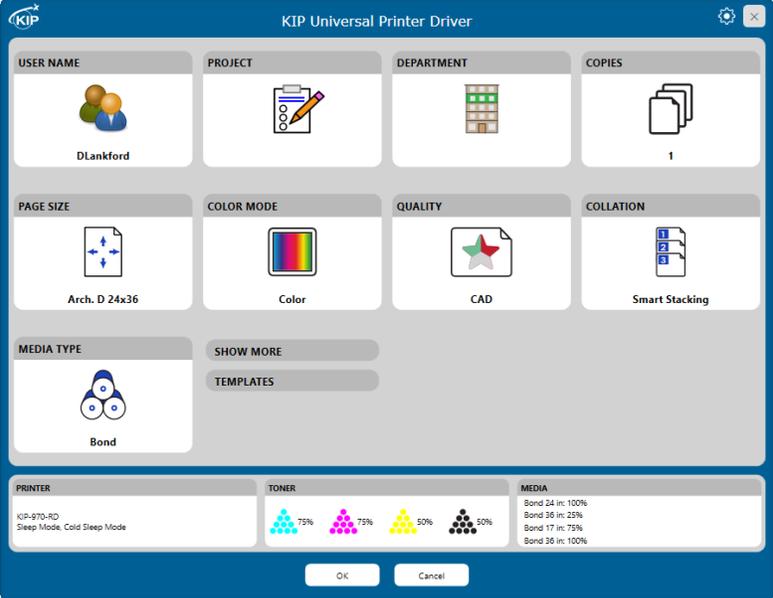| Step	Action	Illustration
1.	Open the AutoCAD Application	AutoCAD 2018 - English
2.	Click on the "A" in the top Left corner. When the Drop-down window opens select Print.	Print
3.	Select the KIP Printer Driver From the available printers list.	Print Printer: KIP Universal Printer Driver ∨ Properties
4.	To use the available options, select the Properties button.	Properties...
5.	Select the Custom properties button	Custom Properties...
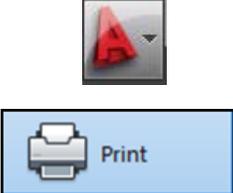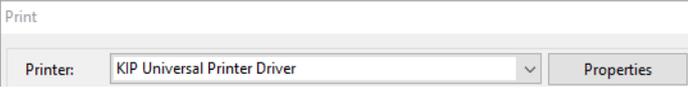
Step	Action	Illustration
6.	Once the Properties button opens make desired changes.	
7.	Select Show More for more options.	 Note: see the Above section for descriptions of options.
8.	Select OK	
9.	Select Print to send the File to the KIP Printer.	