



# SYSTEM **SOFTWARE K**

## KIP Printer Status Installation and User Guide





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## **1 Introduction**

The KIP Printer Status application is the ideal solution for providing centralized status updates and information to administrators and users over a local or wide area network. The app provides immediate access to view and manage the current status of all B&W and color KIP systems on the network via a single, convenient user interface. Using standard SNMP protocol, the KIP Printer Status application will automatically detect the available KIP printers and provide valuable information such as media levels, toner status and meter readings. Add up to 10 entries to access a KIP anywhere on your Wide Area Network.

### **KIP Printer Notifications**


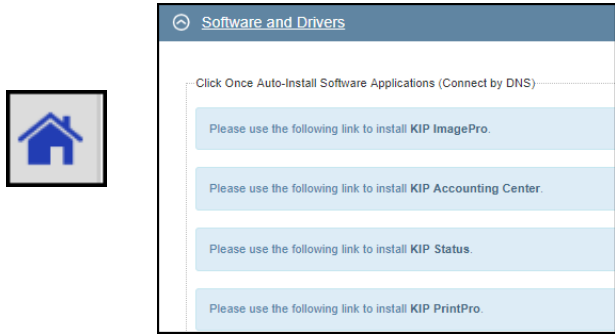
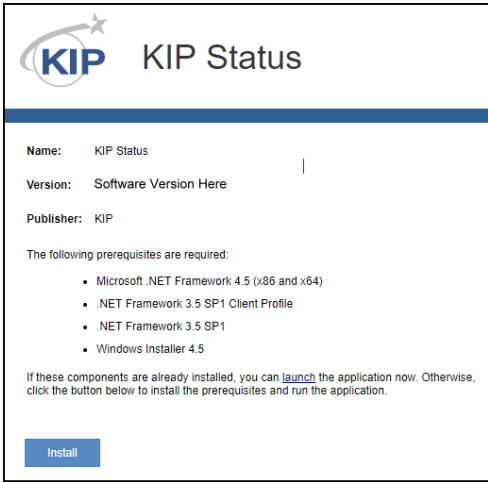

In conjunction with the KIP Printer Status application, each KIP is capable of sending detailed notifications. Users receive an email confirmation that their job has reached the print queue and has completed printing; ready for pickup. If a system interruption occurs such as out of toner or paper, a detailed email will immediately notify personnel. The System K controller automates the meter reading process by transmitting meter data via email on a weekly or monthly basis. The KIP Cost Center software can interpret the meter information and provide reports for print and scan production for both color and b&w documents.

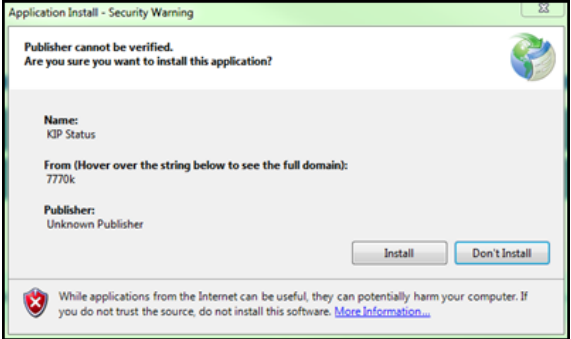
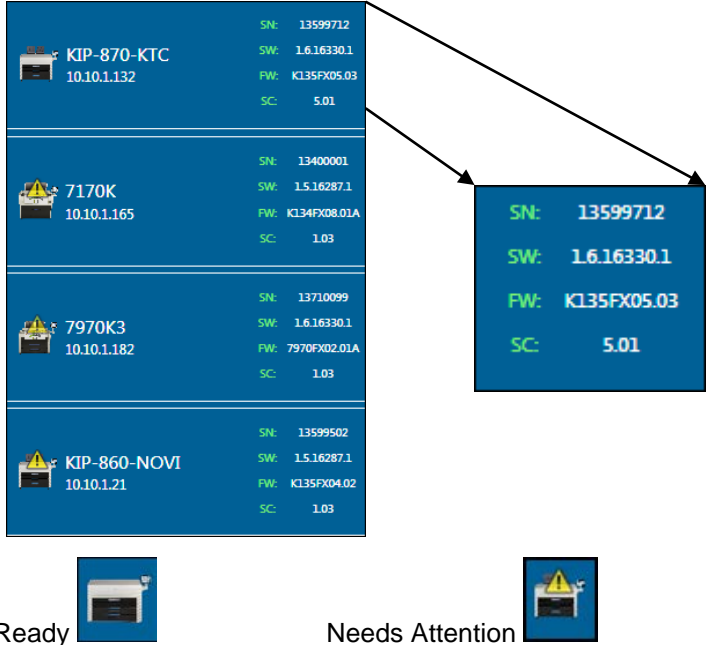
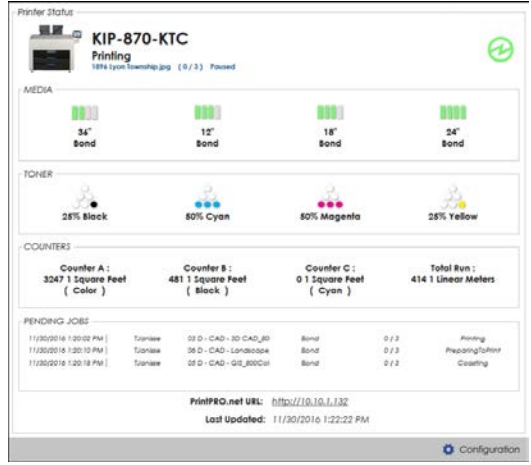
### **KIP Printer Status / SNMP Key Features**

SNMP Communication to KIP Printer | PC Based Windows 7/8 Application | 32 and 64 bit Operating Systems | Monitor Status of KIP Printers | Auto Detect KIP Printer (LAN) | Add up to 10 Printers by IP Address (LAN or WAN) | Visual Notification for Machine Status | View all KIP Printers on a Single Screen | Quick Access to Print Queue via PrintPro.net Link | Automated Meter Read

### 2 Installation and Setup

The Following section describes the Installation of the KIP System K Printer Status Application. Please follow the Step-by-step procedure for correct installation

Step	Action	Illustration
1.	Open the KIP PrintPrin.Net software via a web browser.  (open web browser and type in the Printer Name/IP address of the KIP System K printer)	
2.	Once KIP PrintPro.Net Has opened, select the Home button and then the KIP Printer Status application from the available software and driver selections.	
3.	KIP Printer Status is a Click Once application. This means that when install is selected the application will automatically install connected to the printer that the software is being installed from.  <b>Note:</b> click once installation also allows for automatic update to the application if the KIP System K printer is updated.	
4.	Select Install	

Step	Action	Illustration
5.	Select the Install button to continue with installation.	
6.	<p>Once loaded the Application will open and detect all available KIP System K printers on the network.</p> <p>Each connection will display:</p> <ul style="list-style-type: none"> <li>• Printer Name and IP Address</li> <li>• Serial Number</li> <li>• Software Version</li> <li>• Firmware Version</li> <li>• Scan Version</li> <li>• Current Status</li> </ul>	
7.	<p>Select a printer to see its status.</p> <p>Displays:</p> <ul style="list-style-type: none"> <li>• Printer Name and Status</li> <li>• Media available</li> <li>• Toner available</li> <li>• Counters</li> <li>• Pending Jobs</li> <li>• PrintPro.net URL</li> <li>• Last updated date (for status)</li> </ul>	

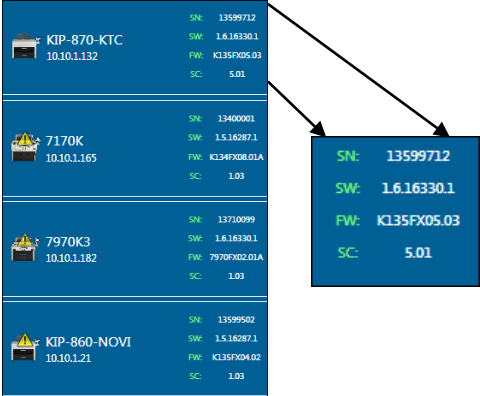
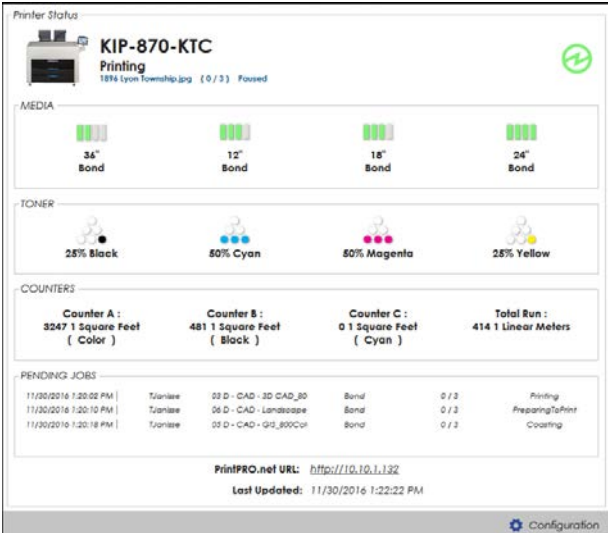
### 3 Functionality of KIP Printer Status

The Following section describes the functionality of the KIP Printer Status Application, its sections and what the buttons do.

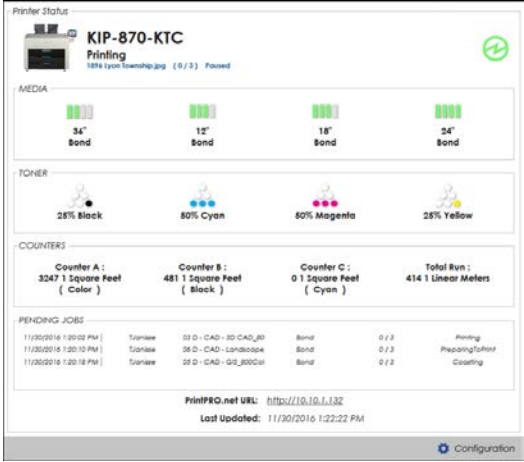
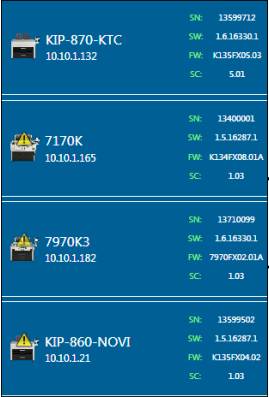

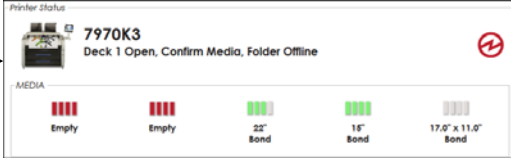
The screenshot displays the KIP Printer Status application interface. It is divided into several sections:

- Printer List (Callout 1):** A vertical list of printers on the left side. Each entry includes a printer icon, model name, IP address, and technical specifications (SN, SW, FW, SC). Callout 1 points to the first printer, KIP-870-KTC.
- Printer Status (Callout 2):** A detailed view for the selected printer, KIP-870-KTC. It shows the printer icon, status (Ready), and current job (1896 Lyon Township.jpg (0 / 3) Paused). Below this are sections for:
  - MEDIA:** Four indicators for different paper sizes: 36" Bond, 12" Bond, 18" Bond, and 24" Bond.
  - TONER:** Four indicators for toner levels: 25% Black, 50% Cyan, 50% Magenta, and 25% Yellow.
  - COUNTERS:** Four indicators for counter values: Counter A (3298 1 Square Feet (Color)), Counter B (481 1 Square Feet (Black)), Counter C (0 1 Square Feet (Cyan)), and Total Run (419 1 Linear Meters).
  - PENDING JOBS:** A section for pending print jobs, currently empty.
- Configuration (Callout 3):** A gear icon labeled "Configuration" located at the bottom right of the interface.

Additional information at the bottom of the printer status view includes:
   
PrintPRO.net URL: <http://10.10.1.132>
  
Last Updated: 11/30/2016 1:31:17 PM

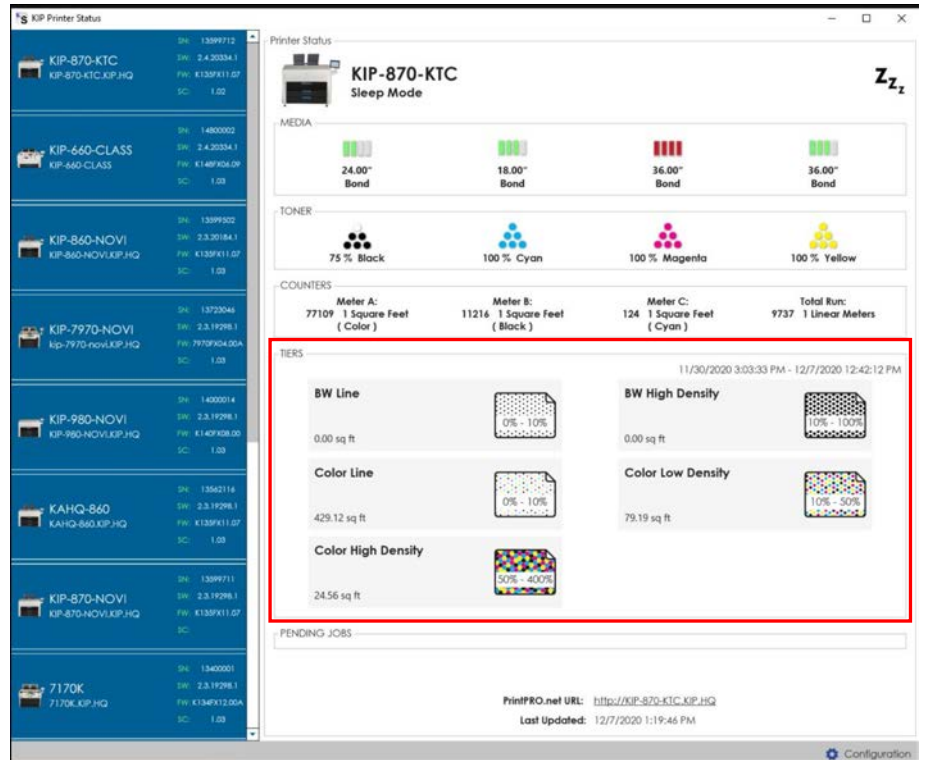
Component	Function
<p>1. Available Printers</p> <p>Each connection will display:</p> <ul style="list-style-type: none"> <li>• Printer Name and IP Address</li> <li>• Serial Number</li> <li>• Software Version</li> <li>• Firmware Version</li> <li>• Scan Version</li> </ul>	 <p>The Printer Status application will search the network for available KIP printers and load these into the Available Printers list.</p>
<p>2. Selected Printer Status - Ready</p>	 <p>Selecting any of the available printers on the left will then display their status on the right. Available Information:</p> <ul style="list-style-type: none"> <li>• Printer Ready</li> <li>• Media currently loaded in printer</li> <li>• Media remaining (25% increments)</li> <li>• Toner remaining (25% increments)</li> <li>• Counters</li> <li>• Pending Jobs</li> <li>• URL (launches KIP PrintPro.net)</li> <li>• Last Updated time</li> </ul>



Component	Function
<p>3. Printer Status – Sleep and Communication</p>	   
	<p>Real time message will be display on the main screen. Simply select a printer from the available printers list on the left. That printers status will then be displayed</p> <ol style="list-style-type: none"> <li>Shows that the 7170K has Deck 1 open.</li> <li>Shows that the 7970k has Deck 1 open.</li> </ol>

4. KIP Tiers – If KIP Tiers is being used the Tiers information will also be displayed in the Main information area of the KIP Status Application.

For Further information on KIP Tiers see the KIP Tiers Manual.



5. Configuration



The Setting Icon will launch the settings screen. There are many features within the Setting section that will be explained here:


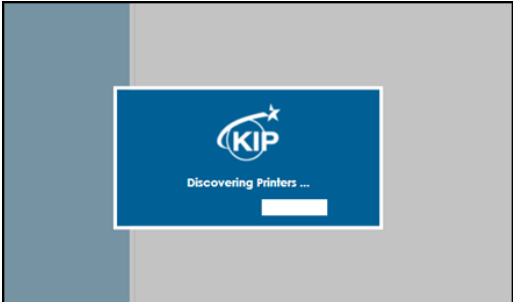
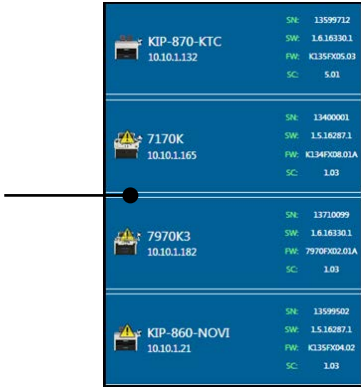
Component	Function																											
<p>6. Settings – General Options</p>	<div style="border: 1px solid black; padding: 10px; margin-bottom: 10px;"> <h3 style="text-align: center;">Configuration</h3> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><b>General Options</b></p> <p><input checked="" type="checkbox"/> AutoDiscover on Start</p> <p><input checked="" type="checkbox"/> Only Display IPv4 Printers</p> <p><input type="checkbox"/> Use Wake-on-LAN (WoL)</p> <hr/> <p><b>Media Display Units:</b></p> <p><input checked="" type="radio"/> Imperial</p> <p><input type="radio"/> Metric</p> <hr/> <p><b>Refresh Interval:</b></p> <p><input type="text" value="5"/> Minutes</p> <hr/> <p><b>SNMP Community:</b></p> <p><input type="text" value="public"/></p> </div> <div style="width: 45%;"> <p><b>Define Additional Printers</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">IP Address:</th> <th style="width: 20%;">Printer Name:</th> <th style="width: 20%;">Reset</th> </tr> </thead> <tbody> <tr><td><input type="text"/></td><td>-none-</td><td style="text-align: center;">✗</td></tr> <tr><td><input type="text"/></td><td>-none-</td><td style="text-align: center;">✗</td></tr> <tr><td><input type="text"/></td><td>-none-</td><td style="text-align: center;">✗</td></tr> <tr><td><input type="text"/></td><td>-none-</td><td style="text-align: center;">✗</td></tr> <tr><td><input type="text"/></td><td>-none-</td><td style="text-align: center;">✗</td></tr> <tr><td><input type="text"/></td><td>-none-</td><td style="text-align: center;">✗</td></tr> <tr><td><input type="text"/></td><td>-none-</td><td style="text-align: center;">✗</td></tr> <tr><td><input type="text"/></td><td>-none-</td><td style="text-align: center;">✗</td></tr> </tbody> </table> </div> </div> </div> <p>General options has the following setting in it:</p> <ul style="list-style-type: none"> <li><b>Auto discover on Start</b> – When the application is opened it will automatically look at the network and find any available KIP printers.</li> <li><b>Only Display IPv4 Printers</b> – If IPv6 IP Addresses are being used the application can be made to not display them.</li> <li><b>Use Wake-on-LAN (WoL)</b> – If Selected this will send a wake up command to the KIP Printers in case they are in a sleep mode.</li> <li><b>Media Display Units</b> – Sets the units to Imperial or Metric.</li> <li><b>Refresh Interval</b> – Sets the amount of time between refresh intervals.</li> <li><b>SNMP Community</b> - The user may enter a new community string here instead of the default “public” (see Note below).</li> </ul>	IP Address:	Printer Name:	Reset	<input type="text"/>	-none-	✗	<input type="text"/>	-none-	✗	<input type="text"/>	-none-	✗	<input type="text"/>	-none-	✗	<input type="text"/>	-none-	✗	<input type="text"/>	-none-	✗	<input type="text"/>	-none-	✗	<input type="text"/>	-none-	✗
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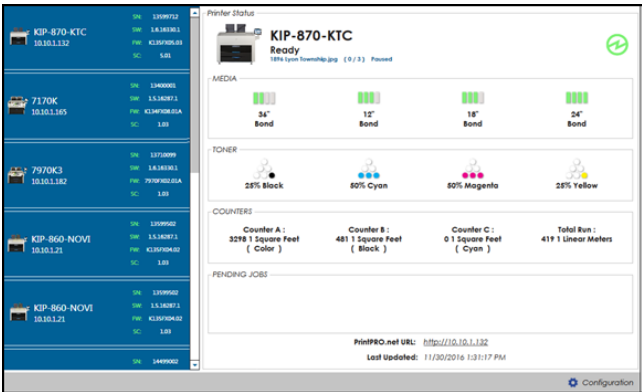
Note: The **SNMP Read-Only Community String** is like a password. It is sent along with each **SNMP Get-Request** and allows (or denies) access to device. The KIP Printer is shipped with a default password of "public". (This is the so-called "default public **community string**".) Starting with KIP version 1.6 the community string can be set to something other than "public".

Component	Function																																
<p>7. Settings - Define Additional Printers</p>	<div data-bbox="755 457 1393 1081" style="border: 1px solid black; padding: 10px; margin-bottom: 10px;"> <p style="text-align: center;"><b>Configuration</b></p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p><b>General Options</b></p> <p><input checked="" type="checkbox"/> AutoDiscover on Start</p> <p><input checked="" type="checkbox"/> Only Display IPv4 Printers</p> <p><input type="checkbox"/> Use Wake-on-LAN (WoL)</p> <hr/> <p><b>Media Display Units:</b></p> <p><input checked="" type="radio"/> Imperial</p> <p><input type="radio"/> Metric</p> <hr/> <p><b>Refresh Interval:</b></p> <p><input type="text" value="5"/> Minutes</p> <hr/> <p><b>SNMP Community:</b></p> <p><input type="text" value="public"/></p> </td> <td style="width: 50%; vertical-align: top;"> <p><b>Define Additional Printers</b></p> <table border="0" style="width: 100%;"> <tr> <td style="text-align: right;"><b>IP Address:</b></td> <td style="text-align: right;"><b>Printer Name:</b></td> <td style="text-align: right;"><b>Reset</b></td> </tr> <tr> <td><input type="text"/></td> <td>-none-</td> <td style="text-align: center;">✘</td> </tr> <tr> <td><input type="text"/></td> <td>-none-</td> <td style="text-align: center;">✘</td> </tr> <tr> <td><input type="text"/></td> <td>-none-</td> <td style="text-align: center;">✘</td> </tr> <tr> <td><input type="text"/></td> <td>-none-</td> <td style="text-align: center;">✘</td> </tr> <tr> <td><input type="text"/></td> <td>-none-</td> <td style="text-align: center;">✘</td> </tr> <tr> <td><input type="text"/></td> <td>-none-</td> <td style="text-align: center;">✘</td> </tr> <tr> <td><input type="text"/></td> <td>-none-</td> <td style="text-align: center;">✘</td> </tr> <tr> <td><input type="text"/></td> <td>-none-</td> <td style="text-align: center;">✘</td> </tr> <tr> <td><input type="text"/></td> <td>-none-</td> <td style="text-align: center;">✘</td> </tr> </table> </td> </tr> </table> </div> <p>In the case of a printer being on the Local area Network (LAN) but having a different IP/Subnet address the discovery function will not see these printers. In these instances, the KIP Printer can be added to the KIP Printer Status manually.</p> <p>This screen will allow the user to manually enter the IP Address of the printer they would like to connect with (up to 10). Also in the manual entry screen is the ability to name the printer a specific name that is recognizable.</p>	<p><b>General Options</b></p> <p><input checked="" type="checkbox"/> AutoDiscover on Start</p> <p><input checked="" type="checkbox"/> Only Display IPv4 Printers</p> <p><input type="checkbox"/> Use Wake-on-LAN (WoL)</p> <hr/> <p><b>Media Display Units:</b></p> <p><input checked="" type="radio"/> Imperial</p> <p><input type="radio"/> Metric</p> <hr/> <p><b>Refresh Interval:</b></p> <p><input type="text" value="5"/> Minutes</p> <hr/> <p><b>SNMP Community:</b></p> <p><input type="text" value="public"/></p>	<p><b>Define Additional Printers</b></p> <table border="0" style="width: 100%;"> <tr> <td style="text-align: right;"><b>IP Address:</b></td> <td style="text-align: right;"><b>Printer Name:</b></td> <td style="text-align: right;"><b>Reset</b></td> </tr> <tr> <td><input type="text"/></td> <td>-none-</td> <td style="text-align: center;">✘</td> </tr> <tr> <td><input type="text"/></td> <td>-none-</td> <td style="text-align: center;">✘</td> </tr> <tr> <td><input type="text"/></td> <td>-none-</td> <td style="text-align: center;">✘</td> </tr> <tr> <td><input type="text"/></td> <td>-none-</td> <td style="text-align: center;">✘</td> </tr> <tr> <td><input type="text"/></td> <td>-none-</td> <td style="text-align: center;">✘</td> </tr> <tr> <td><input type="text"/></td> <td>-none-</td> <td style="text-align: center;">✘</td> </tr> <tr> <td><input type="text"/></td> <td>-none-</td> <td style="text-align: center;">✘</td> </tr> <tr> <td><input type="text"/></td> <td>-none-</td> <td style="text-align: center;">✘</td> </tr> <tr> <td><input type="text"/></td> <td>-none-</td> <td style="text-align: center;">✘</td> </tr> </table>	<b>IP Address:</b>	<b>Printer Name:</b>	<b>Reset</b>	<input type="text"/>	-none-	✘	<input type="text"/>	-none-	✘	<input type="text"/>	-none-	✘	<input type="text"/>	-none-	✘	<input type="text"/>	-none-	✘	<input type="text"/>	-none-	✘	<input type="text"/>	-none-	✘	<input type="text"/>	-none-	✘	<input type="text"/>	-none-	✘
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### 4 Using KIP Printer Status

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

Step	Action	Illustration
1.	Open KIP Printer Status application.	
2.	Auto Discovery - The Application will search the network and open with the available KIP printers.	
3.	Available Printers – available printers will be listed on the left side of the screen.	

Component	Function	Component
4.	<p>Select the Printer to be displayed. The Printer Status application will then communicate with the selected printer pulling in all of the information.</p> <p><b>Note:</b> Selecting a different printer from the Available Printers list will then display that printer's status.</p>	 <p>The screenshot displays the 'Printer Status' application interface. On the left, a list of available printers is shown, including 'KIP-870-KTC', '7170K', '7970K3', 'KIP-860-NOVI', and another 'KIP-860-NOVI'. The 'KIP-870-KTC' printer is selected, and its detailed status is shown in a larger window on the right. This window indicates the printer is 'Ready' and provides information on media sizes (34", 12", 18", 24" Bond), toner levels (28% Black, 50% Cyan, 50% Magenta, 28% Yellow), and counter readings (Counter A: 3298, Counter B: 481, Counter C: 0, Total Run: 419 Linear Meters). It also shows the PrintPro.net URL and the last update time.</p>