

SATO PCL Windows® 7 Driver

Installation and Operating Instructions

Version 1.8



Version Control

Version	Date	Description	
1.0	1/21/2013	Test Release	Bob McBride
1.1	1/23/2013	Added install instructions for Windows XP®	Bob McBride
1.2	1/25/2013	Added uninstall instructions for Windows XP	Bob McBride
1.3	1/30/2013	Modified Windows XP uninstall to show driver removal	Bob McBride
		warning	
1.4	2/1/2013	Added instructions to remove the "Read only" attribute	Bob McBride
		Added instructions to reboot after removing printers	
1.5	2/22/2013	Initial release	Bob McBride
1.6	2/26/2013	Added instructions for IP port setup	Bob McBride
1.7	2/28/2013	Inserted sections lost in previous upgrade	Bob McBride
1.8	4/5/2013	Added BarTender information	Bob McBride



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Windows 7 Driver

The SATO PCL Windows 7 driver has been developed to take advantage of the PCL emulation present in the SATO controller in the LP 100R Laser Printer. It has been tested on Windows 7 (32 and 64 bit), Windows 8 (32 bit) and Windows XP (32 bit) operating systems. It has been carefully tested to deliver performance to match the output of the LP 100R in speed as well as form size. The driver will support forms up to 17" wide by 24" long. The performance has been tested at 100 8.5" long pages per minute. Naturally, the driver is susceptible to the performance of the application output.

Installation on Windows 7 Platform

Prior to the installation, it is important to know the IP address of the printer to be used by the driver. This will be used in a later step.

The files necessary to install the SATO PCL driver for Windows 7 are delivered in a zip file. The files must be unzipped prior to installation. Inside the zip file is one subfolder which contains all necessary files for the installation. The folder may be unzipped to any location that is accessible from the workstation on which the driver is to be installed.





Note that the folder is named for the version of the driver to be installed. Inside this folder are four files and two sub folders.

Name	Туре	Compressed size	Password p	Size
📕 amd64	File folder			
👢 x86	File folder			
📄 oemui.ini	Configuration Settings	1 KB	No	
satopcl.gpd	GPD File	4 KB	No	
atopcl.inf	Setup Information	2 KB	No	
📄 satouni.ini	Configuration Settings		No	
< []	II			

The file "satopcl.inf" is the file that the Windows install wizard will be looking for to install the driver to the proper printer.

To install the printer, go to the Windows 7 "Devices and Printers" window and select "Add a printer":



This will start the wizard, which will lead the user through the steps to define the port being used by the printer on this workstation. After the introduction screen, the wizard will ask the type of printer to be installed:





Select the first option, "Add a local printer". The user will then be asked to select a printer port.

🚱 🖶 Add Printer	X
Choose a printer port	
A printer port is a type of co printer.	nnection that allows your computer to exchange information with a
Ose an existing port:	LPT1: (Printer Port)
Create a new port:	
Type of port:	Adobe PDF Port Monitor
	Next Cancel



If the port to the IP address of the printer has already been defined on the workstation, the user can select the printer from the "Use an existing port" drop down. If the IP address has not been defined previously on the workstation, the user should select the "Create a new port" drop down. The "Create a new port" drop down allows the user to select the type of port to add. In this case, the port would be a Standard TCP/IP Port: (Note that if the printer is to be run as an LPR printer, the user would select the "LPR Port" option).

🚱 🖶 Add Printer	X
Choose a printer port A printer port is a type of co printer.	nnection that allows your computer to exchange information with a
Ouse an existing port:	LPT1: (Printer Port)
Oreate a new port:	
Type of port:	Adobe PDF Port Monitor Adobe PDF Port Monitor HP Universal Print Monitor Local Port LPR Port Vitro PDF Port Monitor PrimoMon SATO Port Monitor SmartDeviceMonitor Standard TCP/IP Port
	Next Cancel

Clicking the "Next" button will either move to the next setup screen, or will start the "Create new port" wizard.

If "Use an existing port" is selected <u>click this link</u>.

If the printer is to be connected through an LPR protocol, <u>click this link</u>.

If it is necessary to create a new TCP / IP port, start the wizard by clicking "Next":



🚱 🖶 Add Printer	X
Type a printer hostnam	e or IP address
Device type:	TCP/IP Device
Hostname or IP address:	
Port name:	
Query the printer and autor	natically select the driver to use
	Next Cancel

Type in the IP address of the printer, and Windows will fill in a suitable port name. Windows will then attempt to detect the TCP/IP port. This may take a moment. Windows will then ask for additional information:

🚱 🖶 Add Printer	X
Additional port information required	
The device is not found on the network. Be sure that:	
1. The device is turned on.	
2. The network is connected.	
The device is properly configured.	
The address on the previous page is correct.	
If you think the address is not correct, click Back to return to the previous page. Then correct the address and perform another search on the network. If you are sure the address is correct, select the device type below.	s
Device Type	
Standard Generic Network Card	
© Custom Settings	
Next Cano	:el



Select "Custom" and click "Next". This will bring up the "Install the printer driver" window.

If the printer communication is to be LPR, the "Add LPR Port" wizard will be activated. The user will be asked for the IP address and print queue for the printer:

Add LPR compatible printer	X
Name or address of server providing lpd:	ОК
Name of printer or print queue on that server:	Cancel

Enter the printer's IP address and the print queue name "LIS_METO":

Add LPR compatible printer		X
Name or address of server providing lpd:	10.27.129.195	ОК
Name of printer or print queue on that server:	LIS_METO	Cancel

Click the "OK" button and Windows will test the connection. It is possible that a warning message will appear:



This is not unusual. Click "OK" to continue to the "Install the printer driver" screen.



Once the port is selected, the wizard will ask for the driver to be used by the printer:

Install the printer	driver	
Choose your	printer from	the list. Click Windows Update to see more models.
To install the	driver from a	an installation CD, click Have Disk.
Manufacturer		Printers
Kvocera		Microsoft XPS Document Writer Version: 6.1.7600.16385
Lanier		Microsoft XPS Document Writer Version: 6.1.7601.17514
Lexmark	=	Remote Desktop Easy Print
MFP		SATO PCL
Microsoft	-	< III >

Select the "Have Disk..." button. The wizard will then ask for the place to find the driver. Press the "Browse..." button and navigate to the folder containing the driver files extracted previously:

Install Fron	n Disk	X
-	Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below.	OK Cancel
	Copy manufacturer's files from:	
		Browse

Once the user selects the "satopcl.inf" file and click open, this file will show in the "Install from Disk" window. Click the "OK" button:





This will bring up the next screen, to select the SATO PCL driver:

🕝 🖶 Ac	dd Printer	X
Install	II the printer driver Choose your printer from the list. Click Windows Update to see more models. To install the driver from an installation CD, click Have Disk.	
Printer SA [*]	irs ITO PCL	
<u>∧</u> Th <u>⊺e</u>	his driver is not digitally signed! Windows Update Have Disk.	•
	Next Car	ncel

Select the SATO PCL driver and click "Next". This will install the driver and bring the user to the Printer Name screen. The system will default to naming the printer "SATO PCL". This can be changed to suit the purpose of the printer install.

Forms

After installing the printer, the driver will also install several popular form sizes for the LP 100R printer.

SATO PCL Advanced Options				
Print Quality — Print Quality — TrueType Fo — Document Opt — Halftoning: — Print Optimi	16 x 12 16 x 13 17 x 11 17x12 17x13 A4 B5 (JIS) CF 432x216 mm Executive Legal Letter	I <u>CD</u> vice Font		
		OK Car	ncel	



Form Name	Form Width (inches)	Form Height (inches)
14.5 x 11	14.5	11
15 x 8.5	15	8.5
16 x 12	16	12
16 x 13	16	13
17 x 11	17	11

The new form sizes loaded with the driver are as follows:

This is meant to cover some of the more common form sizes. It is likely that the user will need to define other paper sizes to fit the needs of their application. In order to do this, select the SATO PCL printer, and click "Print server properties" from the top menu:





This will bring up the server properties window:

	rioperties					
Forms Ports Drivers Security Advanced						
Forms on:	SATOBO	BMCLAP-	PC			
10x11 10x14 11 x 17 11x17 12x11					Delete Save Form	
Form name:	10x1	1				
measuremer	nts. Then cl	ick Save F	e existing nam form.	ie and		
Form descri Units:	iption (mea	ick Save F asuremen ric	e existing nam form. ts) English	ne and		
Form descri Units: Paper size:	iption (me	ick Save F asuremen ric Printer a	e existing nam Form. (area margins:	ne and		
Form descri Units: Paper size: Width:	iption (means)	ick Save F asuremen ric Printer a	e existing nam form. (o English area margins: 0.00in	Top:	0.00in	
Form descri Units: Paper size: Width: Height:	 ption (means) Met 10.00in 11.00in 	ric Printer a Left: Right:	e existing nam iorm. English area margins: 0.00in 0.00in 0	Top: Bottom:	0.00in	

Check the "Create a new form" check box. This will allow the user to enter the necessary information in the boxes near the bottom of the tab:

Print Server Properties						
Forms Ports Drivers Security Advanced						
Forms on: SATOBOBMCLAP-PC						
10x11				•	Delete	
10x14				=		
11 x 17					Cause Farmer	
11x1/ 12x11				-	Save Form	
12X11						
Form name:	10x1	1				
 Create a new form Define a new form by editing the existing name and measurements. Then click save form. Form description (measurements) 						
Units.	Metro	TC	English		N	
Paper size:		Printer a	rea margins:			
Width:	10.00in	Left:	0.00in	Top:	0.00in	
Height:	11.00in	Right:	0.00in	Bottom:	0.00in	
OK Cancel Apply						



The forms for the LP 100R laser printer are generally created without margins, as the printer does not impose any margins on the printed output. Make sure to give the new form a name (above the "Create a new form " check box) and press the "Apply" button to add the form to those available to this printer. Note that although forms may be created for any size, only the forms with dimensions which conform to the printer's capabilities will be displayed in the "Paper Size" drop down in the driver setup.

Install on Windows XP Platform

The files necessary to install the SATO PCL driver for Windows XP are delivered in a zip file. The files must be unzipped prior to installation. Inside the zip file is one subfolder which contains all necessary files for the install. The folder may be unzipped to any location that is accessible from the workstation on which the driver is to be installed.



Note that the folder is named for the version of the driver to be installed. Inside this folder are four files and two sub folders.





The file "satopcl.inf" is the file that the Windows install wizard will be looking for to install the driver to the proper printer.

To install the printer, go to the Windows XP "Printers and Faxes" window and select "File" and then "Add Printer":





This will start the wizard, which will lead the user through the steps to define the port being used by the printer on this workstation. After the introduction screen, the wizard will ask the type of printer to be installed:

Add Printer Wizard	
Local or Network Printer The wizard needs to know which type of printer to set up.	
Select the option that describes the printer you want to use:	
O Local printer attached to this computer	
Automatically detect and install my Plug and Play printer	
 A network printer, or a printer attached to another computer 	
To set up a network printer that is not attached to a pr use the "Local printer" option.	int server,
< Back	Next > Cancel

Select the first option, "Local printer attached to this computer". The user will then be asked to select a printer port.

Add Printer Wizard				
Select a Printer Port Computers communicate with printers through ports.				
Select the port you want your printer to use. If the port is not listed, you can create a new port.				
⊙ Use the following port: LPT1: (Recommended Printer Port)				
Note: Most computers use the LPT1: port to communicate with a local printer. The connector for this port should look something like this:				
Create a new port: Type of port:				
<pre></pre>				

If the port to the IP address of the printer has already been defined on the workstation, the user can select the printer from the "Use the following port" drop down. If the IP address has not been defined previously on the workstation, the user should select the "Create a new port" drop down. The "Create a new port" drop down allows the user to select the type of port to add. In this case, the port would be a Standard TCP/IP Port: (Note that if the printer is to be run as an LPR printer, the user would select the "LPR Port" option).



ect a Printer Port Computers communicate with printers through ports.			
Select the port you want your printer to use. If the port is not listed, you can create a new port.			
OUse the following port:	LPT1: (Recommended Printer Port)		
Note: Most computers u The connector for this p	ise the LPT1: port to communicate with a local printer. ort should look something like this:		
 Create a new port: Type of port: 	Local Port		
	Local Port LPR Port		

Clicking the "Next" button will either move to the next setup screen, or will start the "Create new port" wizard.

If "Use an existing port" is selected <u>click this link</u>.

If the printer is to be connected through an LPR protocol, <u>click this link</u>.

If it is necessary to create a new TCP / IP port, will start the wizard by clicking "Next":

Add Standard TCP/IP Printer I	Port Wizard	$\mathbf{\overline{X}}$		
Add Port For which device do you want to add a port?				
Enter the Printer Name or IP address, and a port name for the desired device.				
Printer Name or IP Address:				
Port Name:				
	<pre> Back Next ></pre>	Cancel		

Type in the IP address of the printer, and Windows will fill in a suitable port name. Windows will then attempt to detect the TCP/IP port. This may take a moment. Windows will then ask for additional information:



Add Standard TCP/IP Printer Port Wizard
Additional Port Information Required The device could not be identified.
The detected device is of unknown type. Be sure that: 1. The device is properly configured. 2. The address on the previous page is correct. Either correct the address and perform another search on the network by returning to the previous wizard page or select the device type if you are sure the address is correct.
Device Type
Standard Generic Network Card Custom Settings
<pre></pre>

Select "Custom" and click "Next". This will bring up the "Install the printer driver" window. To get to that instruction, <u>click here</u>.

If the printer communication is to be LPR, the "Add LPR Port" wizard will be activated. The user will be asked for the IP address and print queue for the printer:

Cancel Help

Enter the printer's IP address and the print queue name "LIS_METO":

:0	Add LPR compatible printer		X
J	Name or address of server providing lpd:	10.27.129.195	OK
N T	Name of printer or print queue on that server:	LIS_METO	Cancel
1			Help

Click the "OK" button and Windows will test the connection. It is possible that a warning message will appear:





This is not unusual. Click "OK" to continue to the "Install the printer driver" screen.

Once the port is selected, the wizard will ask for the driver to be used by the printer:



Select the "Have Disk..." button. The wizard will then ask for the place to find the driver. Press the "Browse..." button and navigate to the folder containing the driver files extracted previously:



Install From Disk						
4	Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below.	OK Cancel				
	Copy manufacturer's files from:					
		Browse				

Once the user selects the "satopcl.inf" file and click open, this file will show in the "Install from Disk" window. Click the "OK" button:

Install F	rom Disk	X
J.	Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below.	OK Cancel
	Copy manufacturer's files from:	
	C:\Customers\Windows 7 Driver\printerdriverv100	Browse

This will bring up the next screen, to select the SATO PCL driver:

Add Printer Wizard				
Install Printer Software The manufacturer and model determine which printer software to use.				
Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for compatible printer software.				
Printers				
SATO PCL				
This driver is not digitally signed! <u>Tell me why driver signing is important</u>	Windows Update Have Disk			
(< Back Next > Cancel			

Select the SATO PCL driver and click "Next". This will install the driver and bring the user to the Printer Name screen.



Add Printer Wizard
Name Your Printer You must assign a name to this printer.
Type a name for this printer. Because some programs do not support printer and server name combinations of more than 31 characters, it is best to keep the name as short as possible.
Printer name:
SATO PCL
Do you want to use this printer as the default printer?
O Yes
⊙ No
<pre></pre>

The system will default to naming the printer "SATO PCL". This can be changed to suit the purpose of the printer install.

Clicking "Next" will bring up the "Printer Sharing" screen:

Add Printer Wizard				
Printer Sharing You can share this printer with other network users.				
If you want to share this printer, you must provide a share name. You can use the suggested name or type a new one. The share name will be visible to other network users.				
 ⊙ Do not share this printer ○ Share name: 				
<pre></pre>	ancel			

The printer may be shared according to the needs of the situation.

Clicking "Next" will ask the user to print a test page. Clicking "Next" on the test page screen will show the final screen:



Add Printer Wizard		
	Comple Wizard	ting the Add Printer
	You have suc You specified	ccessfully completed the Add Printer Wizard. I the following printer settings:
	Name: Share name: Port:	SATO PCL <not shared=""> IP 10 27 129 195</not>
	Model: Default:	SATO PCL No
	Test page:	No
	To close this	wizard, click Finish.
		< Back Finish Cancel

Clicking "Finish" on this screen will install the driver on the system. The user may see a "Hardware Installation" warning screen when the system goes to install the driver:



Click the "Continue Anyway" button to continue the installation.



As the installation progresses, the system may prompt the user to locate the file "SatoUNI.DLL" to complete the installation:



If this screen shows, click the "Browse" button to locate the file. This will bring the user to the folder containing the original "satopcl.inf" file to begin the driver install:

Locate File			? 🗙
Look in: 隘	printerdriverv1000	💌 🕝 🤌	📂 🛄 -
amd64			
(<u></u> x86			
File name:	SatoUNI.DLL	~	Open
Files of type:	SatoUNI.DLL;SatoUNI.DL_	~	Cancel

The file needed for the installation is in the "x86" folder. Highlight the file and click "Open" to return to the previous "Copy Error" screen. On this screen click "Retry" and the system will finish the installation.

After installation, the printer is set to the default of 300 dpi and Letter form size. Make sure these settings match the printer's setting before sending any data to the printer (including the test print from the driver install).



Forms

After installing the printer, the driver will also install several popular form sizes for the LP 100R printer.

The new form sizes loaded with the driver are as follows:

Form Name	Form Width (inches)	Form Height (inches)
14.5 x 11	14.5	11
15 x 8.5	15	8.5
16 x 12	16	12
16 x 13	16	13
17 x 11	17	11

This is meant to cover some of the more common form sizes. It is likely that the user will need to define other paper sizes to fit the needs of their application. In order to do this, ensure that no printers are selected in the main "Printers and Faxes" window and click "File" then "Server Properties":



Second Faxes				
File Edit View Favoritas	Tools Help			1
Add Printer	🔎 Search 🛛 🜈	Folders		
Set Up Faxing	-		 	
Create Shortcut			 ¥	GO
Delete Rename	۱	LP 100R (from SATOBOBMCLAP-PC) 0	LP 100R Service (from SATOBOBMCLAP-PC) 0	
Properties			0	
Close		Meto Laserprinter DF Adv Off 0 Ready	Meto Laserprinter DF 0 Ready	
See Also		Microsoft XPS Document Writer	Microsoft XPS Document Writer	
 Troubleshoot printing Get belo with printing 		(from SATOBOBMCLAP-PC) 0	0 Ready	
Other Places	 Image: A state Image: A state<th>nj_lpr_01 on Ro-file (from SATOBOBMCLAP-PC) 0</th><th>NJ_LPR_05 (from SATOBOBMCLAP-PC) 0</th><th></th>	nj_lpr_01 on Ro-file (from SATOBOBMCLAP-PC) 0	NJ_LPR_05 (from SATOBOBMCLAP-PC) 0	
Control Panel		NJ_LPR_05 0 Ready	NJTC-PAN-3510 on 10.27.129.30 (fro 0	III
My Documents		NJTC-PAN-3510 on njtcfs1 0 Printer not found on server, u	SATO PCL (from SATOBOBMCLAP-PC) 0	
Details	•	SATO PCL Advanced Off 0 Ready	SATO PCL 0 Ready	*

This will bring up the server properties window:

🖢 Print Server Prope	rties	? 🛛
Forms Ports Drivers	Advanced	
Forms on: VIRTUALXP-	95421	
10x11 10x14 11x17 12x11		Delete Save Form
Form name: 10x11		
Create a new form		
Define a new form by ed measurements. Then cli	iting the existing name and ck Save Form.	
Form description (measu	urements) tric ⓒ English	
Paper size:	Printer area margins:	
Width: 10.00in	Left: 0.00in Top:	0.00in
Height: 11.00in	Right: 0.00in Botto	om: 0.00in
	OK Cano	el Apply

Check the "Create a new form" check box. This will allow the user to enter the necessary information in the boxes near the bottom of the tab:



🌢 Print Server Properties 🛛 ? 🔀
Forms Ports Drivers Advanced
Forms on: VIRTUALXP-95421
10x11 Delete
11x17 12x11 Save Form
Form name: 10x11
Create a new form
Define a new form by editing the existing name and measurements. Therrolick Save Form.
Form description (measurements)
Units: O Metric O English
Paper size: Printer area margins:
Width: 10.00in Left: 0.00in Top: 0.00in
Height: 11.00in Right: 0.00in Bottom: 0.00in
OK Cancel Apply

The forms for the LP 100R laser printer are generally created without margins, as the printer does not impose any margins on the print. Make sure to give the form a new name (above the "Create a new form " check box) and press the "Apply" button to add the form to those available to this printer. Note that although forms may be created for any size, only the forms with dimensions which conform to the printer's capabilities will be displayed in the "Paper Size" drop down in the driver setup.

Uninstall on Windows 7

If the driver needs to be uninstalled for any reason there are several steps which must be taken to ensure that the driver and all components are removed from the system. Typically, the driver must be uninstalled prior to an upgrade on the driver. In order to uninstall a driver in Windows 7, all printers which use the driver must be deleted or changed to use a different driver before the driver can be uninstalled.

Open the "Devices and Printers" window and look at each printer to see if it is using the driver the user wishes to uninstall. This is under the "Advanced" tab in "Printer Properties".





Hold mismatched documents
 Print spooled documents first
 Keep printed documents
 Enable advanced printing features

Printing Defaults... Print Processor...

Separator Page...

OK Cancel Apply



Once the printers are no longer using the driver, select one of the printers from those that are left and select the "Print server properties" menu item:

	Control Panel + Har	rdware and Sound 🕨	Devices and Printers 🕨			 ✓ ✓	vices and Printers	x P
Add a device	Add a printer	ee what's printing	Manage default printe	ers Print server	properties Rem	ove device	₽ .	0
Adobe PDF	Engineering Development Printer	Fax	LIS 1865	LIS 1865 Engineering	LP 100R	LP 100R Service	Microsoft XPS Document Writer	•
Nitro PDF Create 2 (Reader)	Dr NJ_LPR_05	NJTC-PAN-3510 on 10.27.129.30	PrimoPDF	Printer Driver Type 103 PCL 6	SATO GL408e	SATO GL412e	SATO GT412e	m
Sato PCL	SLA_PB_CLR_LAR 1 on njtcfs1	SLA_PB_RICOH on NJTCFS1	Snagit 10					
Unspecified (S	1) ato PCL Model: S. Category: P Status: 0	ATO PCL rinter document(s) in queue						

On the "Print server properties" window, select the "Drivers" tab:

Print Server Properties			X
Forms Ports Drivers Secu	ny Advanced		
SATOBOBMCLA	P-PC		
Name	Processor	Туре	
Adobe PDF Converter	x86	Type 3 - User Mode	
Brother HL-2170W	x86	Type 3 - User Mode	
Brother HL-4070CDW s	x86	Type 3 - User Mode	
Generic / Text Only	x86	Type 3 - User Mode	
JEI1865R PCL-J	x86	Type 3 - User Mode	Ξ
JEI1865R PS-J	x86	Type 3 - User Mode	
Microsoft XPS Docume	x86	Type 3 - User Mode	
Nitro PDF Reader Driv	x86	Type 3 - User Mode	
Panasonic DP-3510	x86	Type 3 - User Mode	
PrimoPDF	x86	Type 3 - User Mode	
Printer Driver Type 103	x86	Type 3 - User Mode	
Remote Desktop Easy	x86	Type 3 - User Mode	
SATO GL408e	x86	Type 3 - User Mode	-
Add	Remove	Properties	
	ОК	Cancel	ply





Select "SATO PCL" and click the "Remove..." button:

Print Server Properties	rity Advanced		X
SATOBOBMCLA	P-PC		
Installed printer drivers:	Desserver	Turne	
Name	Processor	Type	
JEI1865R PCL-J	X86	Type 3 - User Mode	
JEI1865K PS-J	X86	Type 3 - User Mode	
Nicrosoft XPS Docume	X86	Type 3 - User Mode	
Nitro PDF Reader Driv	X86	Type 3 - User Mode	
Panasonic DP-3510	x80	Type 3 - User Mode	
PrimoPDF	x80	Type 3 - User Mode	
Printer Driver Type 103	x80	Type 3 - User Mode	
Kemote Desktop Easy	x80	Type 3 - User Mode	=
SATO GL408e	x80	Type 3 - User Mode	
SATO GL412e	x86	Type 3 - User Mode	
SATO G1412e	X80	Type 3 - User Mode	
SATU PCL	X80	Type 3 - User Mode	
Snagit 10 Printer	X00	Type 3 - User Mode	~
Add	Remove	Properties	
	ОК	Cancel App	ily

On the next window, check the box next to "Remove driver and driver package." And click "OK":

Remove Driver And Package
Do you want to remove the driver(s) only, or remove the driver(s) and driver package(s) from your system?
Remove driver only.
Remove driver and driver package.
OK Cancel

If it is possible to remove the driver, Windows will indicate that the driver has been successfully removed.



When Windows has finished removing all files, there is a chance that one file remains on the workstation. In order to ensure a clean install of the new driver, the user should check for an ".inf" file remaining on the workstation after the uninstall. This is accomplished by going to the command prompt:

cmd.exe				
Documents (1	2)			
cc_2011060	08_130030.reg			
🔮 WindowsSh	nortcutKeyCor	mmands.docx		
🕙 SQLServerL	Indocumente	dProcedures.d	loc	
Search Everyw	here			
e fory in				

From the command prompt, navigate to the "C:\windows\inf" folder:





Next, run the command "pnputil -e". This will result in a listing of all inf files with information about the company owner and purpose of each file:

Administrator: C:\Windows\system32	,cmd.exe	
Microsoft PnP Utility		•
Published name : Driver package provider : Class : Driver date and version : Signer name :	oem0.inf Microsoft Printers 06/21/2006 6.1.7600.16385 Microsoft Windows	
Published name : Driver package provider : Class : Driver date and version : Signer name :	oem1.inf Intel Corporation Display adapters 12/18/2009 8.15.10.2025 Microsoft Windows Hardware Compatibility Publisher	
Published name : Driver package provider : Class : Driver date and version : Signer name :	oem2.inf Intel(R) Corporation Sound, video and game controllers 10/30/2009 6.12.00.3037 Microsoft Windows Hardware Compatibility Publisher	
Published name : Driver package provider : Class : Driver date and version : More	oem3.inf Intel System devices 10/26/2009 01.00.01.1002	•

Scroll through this listing to find the file which shows the "Driver package provider" is "SATO PCL Printer Driver":



Note the name of this ".inf" file. In this case the name is "oem70.inf". Next run the command "pnputil –d oem70.inf". Substitute the name found in the previous step for the inf file in the command. This will delete the remaining file from the old driver.

Uninstall on Windows XP

If the driver needs to be uninstalled for any reason there are several steps which must be taken to ensure that the driver and all components are removed from the system. Typically, the driver must be uninstalled



prior to an upgrade on the driver. In order to uninstall a driver in Windows XP, all printers which use the driver must be deleted or changed to use a different driver before the driver can be uninstalled.

Open the "Printers and Faxes" window and look at each printer to see if it is using the driver the user wishes to uninstall. This is under the "Advanced" tab in "Properties".





🕹 SATO PCL Properties 🛛 💽 🗙	
Device Settings Device Property Page General Sharing Ports Advanced Security	
Always available Available from 12:00 AM To 12:00 AM	
Priority: 1	
Driver: SATO PCL New Driver	
Spool print documents so program finishes printing faster Start printing after last page is spooled Start printing immediately Print directly to the printer	
Hold mismatched documents	
Print spooled documents first	
Keep printed documents	
Printing Defaults Print Processor Separator Page	
OK Cancel Apply	

Once the printers are no longer using the driver, make sure no printers are selected and click "Server Properties" from the "File" menu:

🝓 Printers and Faxes		
File Edit View Favorites To	ools Help	
Add Printer Server Properties	Search 😥 Folders	
Faxes		🔽 🔁 Go
Create Shortcut Delete Rename Properties	LIS 1865 (from SATOBOBMCLAP-PC)	LIS 1865 Engineering (from SATOBOBMCLAP-PC)
Close	LP 100R (from SATOBOBMCLAP-PC)	LP 100R Service (from SATOBOBMCLAP-PC)
See Also	Meto Laserprinter DF Adv Off	Meto Laserprinter DF 0 Ready
Other Places 🎗	Microsoft XPS Document Writer (from SATOBOBMCLAP-PC)	Microsoft XPS Document Writer 0 Ready
Control Panel Scanners and Cameras	nj_pr_01 on Ro-file (from SATOBOBMCLAP-PC) 0	NJ_LPR_05 (from SATOBOBMCLAP-PC) 0
My Documents	NJ_LPR_05	NJTC-PAN-3510 on 10.27.129.30 (fro 0
Details	NJTC-PAN-3510 on njtcfs1 0 Ready	~



On the "Print Server Properties" window, select the "Drivers" tab:

🌢 Print Server Propertie	25		? 🗙
Forms Parts Drivers Ad	anced		
Installed printer drivers:			
Name Generic / Text Only JEI1865R PCLJ JEI1865R PSJ Meto Laseptinter DF Microsoft XPS Documen Panasonic DP-3510 SATO PCL	Environment Intel Intel Intel Intel Intel Intel Intel	Version Windows 2000 or XP Windows 2000 or XP Windows 2000 or XP Windows NT 4.0 or 20 Windows 2000 or XP Windows 2000 or XP Windows 2000 or XP	00
Add Remo	ove R	eplace Propert	ies
	ОК	Cancel A	pply

Select "SATO PCL" and click the "Remove..." button:

Y	퉣 Print Server Properties 🛛 🕐 🔀
	Forms Ports Drivers Advanced
Υ	VIRTUALXP-95421
Ê	Installed printer drivers:
1	Name Environment Version
o le el	Generic / Text Only Intel Windows 2000 or XP JEI1865R PCLJ Intel Windows 2000 or XP JEI1865R PSJ Intel Windows 2000 or XP Meto Laserprinter DF Intel Windows NT 4.0 or 2000 Microsoft XPS Documen Intel Windows 2000 or XP Panasonic DP-3510 Intel Windows 2000 or XP SATO PCL Intel Windows 2000 or XP
о іє :t	Add Remove Replace Properties OK Cancel Apply

When the user clicks the "Remove" button and any printer on this workstation is using the driver, the following message will appear on the screen:

Print Se	rver Properties
8	Unable to remove SATO PCL, Intel, Windows 2000 or XP driver. The specified printer driver is currently in use.
	ОК



If this appears, the user must return to the "Printers and Faxes" window, and look at the driver used by each printer displayed in that window. If any printer uses the driver the user is trying to remove, the user must first delete the printer, or change the driver used by that printer to another driver before attempting to remove the driver.

On the next window, check to make sure SATO PCL is selected to delete and click "Yes":

Print Se	rver Properties
2	Deleting this printer driver will remove it from the system. Are you sure you want to delete SATO PCL?
	Yes No

If it is possible to remove the driver, Windows will return to the driver window and the SATO PCL driver will no longer be listed in this window.

Note: In some cases, even though all of the printers assigned to the driver have been removed or reassigned, the Windows system will show the "Unable to remove…" error shown above. If this happens, the user needs to reboot the computer and try once again to remove the driver.

When Windows has finished removing all files, there is a chance that two files remain on the workstation. In order to ensure a clean install of the new driver, the user should check for an ".inf" and ".pnf" file remaining on the workstation after the uninstall. This is accomplished by going to the command prompt. Go to "Start" and "Run":



Robert Mcbride	
	My Documents
E-mail	My Recent Documents
Uutlook Express	My Pictures
FreeCell	🤌 My Music
👕 Solitaire	😡 My Computer
	Second Se
NiceLabel Pro	🐶 Control Panel
Notepad	Set Program Access and
Layout Management	Printers and Faxes
	(?) Help and Support
	Search
SATO Print CONNECT	707 Run
Multi LABELIST V4 Main	A Windows Security
All Programs 🕨	
	🖉 Log
	and Eaves

In the "Run" window type "cmd" into the text box and click "OK":

Run ? 🔀
Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.
OK ancel Browse
🛃 start 🛛 🗞 Printers and Faxes 📄 printerdrive



From the command prompt, navigate to the "C:\windows\inf" folder:



In this folder there are a number of files with the ".inf" and ".pnf" extensions. Many have the name "OEMxx.inf" or "OEMxx.pnf" where "xx" is a sequential number assigned by Windows. It needs to be determined which of the "oemxx.inf" files contains the information for the SATO PCL driver. One way to find this out is to open each of these files in Notepad and see which one identifies the SATO PCL driver:



A quicker way to find the ".inf" file associated with the SATO PCL driver is to run the following command line command:

for %a in (oem*.inf) do find /i "SATO PCL" %a



This will run the find command recursively for every file in the folder which is named with the pattern "oem*.inf". If it finds the text "SATO PCL" in the file, it will identify the line where this text was found, and show the name of the file containing this text. The listing is as follows:

	C:\WINDOWS\system32\cmd.exe _ [×
	::\WINDOWS\inf>for %a in (oem*.inf) do find /i "SATO PCL" %a	
ł	C:\WINDOWS\inf}find ∕i "SATO PCL" oem1.inf	
ŀ	0EM1.INF	
k	::\WINDOWS\inf>find /i "SATO PCL" oem10.inf	
ŀ	0EM10.INF	
k	C:\WINDOWS\inf≻find /i "SATO PCL" oem11.inf	
ŀ	0EM11.INF	
	C:\WINDOWS\inf>find /i "SATO PCL" oem12.inf	
	0EM12.INF	
ľ	C:\WINDOWS\inf>find ∕i "SATO PCL" oem13.inf	
ŀ	0EM13.INF	
	C:\WINDOWS\inf>find /i "SATO PCL" oem14.inf	
ľ	0EM14.INF	
ľ	C:\WINDOWS\inf}find ∕i "SATO PCL" oem15.inf	
	OEM15.INF	
ľ	::\WINDOWS\inf}find /i "SATO PCL" oem16.inf	-

The exact file containing the string is identified as the following:

			ł
	C:\WINDOWS\system32\cmd.exe	- 🗆 🗙	
e I	C:\WINDOWS\inf>find ∕i "SATO PCL" oem34.inf		Í
- 1	0EM34.INF		
	C:\WINDOWS\inf≻find ∕i "SATO PCL" oem35.inf		
	OEM35.INF		
	C:\WINDOWs\inf}find /i "SATO Pub" com36.inf		
$\left(\right)$	OEM36.INF "SaTO PCL" = INSTALL_OEMUNI.SATO_PCL "SATO PCL" = INSTALL_OEMUNI.SATO_PCL "SATO PCL" = INSTALL_OEMUNI.SATO_PCL MS="SATO PCL Printer Driver" disk1="SATO PCL Printer Driver Setup Disk"		
	C:\WHNDOWS\inf>find /i "SATO PCL" ccw38.inf		
	0EM38.INF		
	C:\WINDOWS\inf>find ∕i "SATO PCL" oem4.inf		
	0EM4.INF		
	C:\WINDOWS\inf>find ∕i "SATO PCL" oem5.inf		
	0EM5.INF		
	C:\WINDOWS\inf}find ∕i "SATO PCL" oem6.inf		1
	OEM6.INF	-	

Next, delete the ".inf" file and the ".pnf" file associated with the SATO PCL driver. In this example, the file is "oem36.inf", so the command to delete these files would be:

del oem36.*

This will delete both of the files associated with the SATO PCL driver.



On some systems, the "Read Only" bit may be set on the ".inf" and ".pnf" files. If this is the case, the user will receive the message "Access is denied" when the command "del" is run:

01 200 2201 2	01-07 PM	7 632 com34 PNE	
02/09/2013	01-58 PM	2 362 0em35 inf	
01/09/20013	01:07 PM	6 086 oem35 PNF	
11/13/2013	05-45 PM	2.618 orm 36 inf	
01/25/2013	04:08 PM	5 904 oem36 PNF	
19/93/9011	12:32 PM	3 164 orm 38 inf	
10/08/2012	01:55 PM	7 592 oem38 PNF	
09/12/2009	05:10 AM	6-648 oem4-inf	
09/13/2009	04:16 AM	8 512 oem4 PNF	
09/12/2009	05:11 AM	2036 orm 5 inf	
09/13/2009	04:16 AM	6 096 oem5 PNF	
09/12/2009	05:11 AM	1.900 cem6.inf	
09/13/2009	04:16 AM	6.120 oem6. PNF	
09/07/2010	02:49 AM	2.745 oem8.inf	
01/09/2013	01:06 PM	6.688 oem8.PNF	
09/07/2010	02:49 AM	2.786 nem9.inf	
01/09/2013	01:06 PM	6.808 oem9.PNF	
	T2 Tile(a)	367.229 bytes	
	0 Dir(s) 1	21.179.245.824 bytes free	
C:\WINDOWS\	inf>del oem36.i	nf	
C:\WINDOWS\	inf\oem36.inf		
h si ssaccA	enied.		

If this is the case, run the following command to show the attributes of the file (in this example, "oem36.inf" and "oem36.pnf"):

Attrib oem36.*

(

This will show the property attributes of the files in question:

C:\WINDO	WS\system32\cmd	.exe	- 🗆 ×
01/25/2013 12/23/2011 10/08/2012 09/13/2009 09/13/2009 09/13/2009 09/12/2009 09/13/2009 09/13/2009 09/13/2009 09/13/2009 09/07/2013 09/07/2013	04:08 PM 12:32 PM 05:5 PM 05:10 AM 05:11 AM 05:11 AM 05:11 AM 05:11 AM 05:11 AM 04:16 AM 02:49 AM 01:06 PM 01:06 PM 72 File(s) 0 Dir(s)	5,904 oem36.PNF 3,164 oem38.inf 7,592 oem38.PNF 6,648 oem4.inf 8,512 oem4.PNF 2,036 oem5.inf 6,096 oem5.PNF 1,900 oem6.inf 6,120 oem6.PNF 2,745 oem8.inf 6,688 oem8.PNF 2,786 oem9.PNF 3,786 oem9.PNF 367.229 bytes 121.479.245.824 bytes free	
C:\WINDOWS C:\WINDOWS Access is (xinf≻del oem36. xinf∖oem36.inf lenied	inf	
C:\WINDOWS A R A R C:\WINDOWS	\inf>attrib oem C:\WINDOWS\inf C:\WINDOWS\inf \inf>_	36.* Noem36.inf Noem36.PNF	-

Note the "R" attribute, indicating that this file has been marked "Read only", no one can make a change to the file. In order to remove the "Read only" condition on the file, run the following command for these files only (in this example, "oem36.inf" and "oem36.pnf"):

Attrib –r oem36.*

This command will not give an indication of success or failure, but will return the user to the command prompt:



C:\WINDO	WS\system32\cmd.	exe	- 🗆 ×
10/08/2012 09/12/2009 09/12/2009 09/12/2009 09/12/2009 09/13/2009 09/13/2009 09/07/2010 01/09/2013 09/07/2013 09/07/2013	01:55 PM 05:10 AM 05:11 AM 05:11 AM 05:11 AM 05:11 AM 02:49 AM 02:49 AM 02:49 AM 02:49 AM 02:49 AM 02:49 AM	7,592 oem38.PNF 6,648 oem4.inf 8,512 oem4.PNF 2,036 oem5.inf 6,096 oem5.inf 1,900 oem6.inf 6,120 oem6.PNF 2,745 oem8.inf 6,688 oem8.PNF 2,786 oem9.inf 6,688 oem9.PNF	×
C:\WINDOWS\ C:\WINDOWS\ Access is d	72 File(s) Ø Dir(s) 1 inf>del oem36.: inf\oem36.inf enied.	367,229 bytes 21,479,245,824 bytes free inf	
C:\WINDOWS\ A R A R	inf>attrib_oem3 C:\WINDOWS\inf\ C:\WINDOWS\inf\	86.* ⊾oem36.inf ⊾oem36_PNF	
C:\WINDOWS\ C:\UINDOWS\	inf>attrib -r o inf>_	0em36.*	.

To check the success of the command, run the command listed above,

Attrib oem36.*

To see the current status of the attributes of the files in question:

	WS\system32\cmd.exe	- 🗆 🗙
09/13/2009 09/12/2009 09/13/2009 09/07/2010 01/09/2013 09/07/2010 01/09/2013	04:16 AM 6,096 oem5.PNF 05:11 AM 1,900 oem6.inf 04:16 AM 6,120 oem6.inf 02:49 AM 2,745 oem8.inf 01:06 PM 6,688 oem8.inf 02:49 AM 2,745 oem8.inf 02:49 AM 2,786 oem9.inf 02:49 AM 2,786 oem9.inf 01:06 PM 6,808 oem9.PNF 72 File(s) 367.229 bytes 0 Dir(s) 121,479,245.824 bytes free	•
C:\WINDOWS\ C:\WINDOWS\ Access is d	inf≻del oem36.inf inf∖oem36.inf enied.	
C:\WINDOWS\ A R A R	.inf>attrib oem36.* C:\WINDOWS\inf\oem36.inf C:\WINDOWS\inf\oem36.PNF	
C:\WINDOUS	ini/attrin -r vem25 *	
C:\WINDOWS\ 9 A	.inf>attrib oem36.* C:\WINDOWS\inf\oem36.inf C:\WINDOWS\inf\oem36.PNP	
C:\WINDOWS\	inf>	-

In this example, the "Read only" attribute has been successfully removed. Rerunning the delete command above will now end in the files' successful deletion.

Once the driver has been completely removed, reboot the workstation prior to installing the new driver.



Running NiceLabel in Windows 7

If the user does not use the newest version of NiceLabel, version 5.4.4 Build 7005, to print tags or labels, it has been noted that when the user leaves the application and return to a previously printed label, the label setup dimensions and the setup of the stock size on the printer are lost. The user must re-enter the dimensions of the label and then enter the form size on the printer before printing, or it is possible that the printer will not produce the desired output. Using the latest version of the application, version 5.4.4 Build 7005, makes this procedure unnecessary and should be downloaded in order to make the printing of the labels in this application more efficient for the user.

This procedure will work on any earlier versions of the NiceLabel application.

Although this example uses NiceLabel to demonstrate the behavior, this procedure will apply to any of the label design and print applications, such as Bartender or EasyLabel.

In order to avoid this situation, a procedure needs to be followed in order for NiceLabel to setup the parameters of the label to be printed. The first time the label is printed, all of the settings must be adjusted, as is usual. In order to preserve the setup, when leaving the program, select to save the changes in the label.

The next time the label is to be printed, prior to opening the NiceLabel program, it is necessary to set up the desired form on the printer through the Windows 7 "Print Management" window. This window is accessed through the "Administrative Tools" icon in the Control Panel:

			X
🕞 🕞 – 🐖 🕨 Control Panel 🕨 All Con	trol Panel Items 🕨	Search Control Panel	Q
Adjust your computer's settings		View by: Small icons +	
Y Action Center	🚱 Administrative Tools	👪 AutoPlay	Î
🐌 Backup and Restore	Biometric Devices	🔂 Color Management	
Credential Manager	龤 Date and Time	👦 Default Programs	
Desktop Gadgets	🝶 Device Manager	Hand Devices and Printers	
a Display	🚱 Ease of Access Center	Flash Player	
🞉 Folder Options	🗼 Fonts	🗿 Getting Started	
🝓 HomeGroup	lndexing Options	Intel(R) Graphics and Media	
Thtel® PROSet/Wireless Tools	🚱 Internet Options	🔬 Java	
🗢 Keyboard	🜔 Lenovo - Fingerprint Reader	Lenovo's Airbag Protection	Ξ
Lenovo's Power Controls	Location and Other Sensors	💹 Mail	
Mouse	💐 Network and Sharing Center	I Notification Area Icons	
Performance Information and Tools	Sersonalization	A Phone and Modem	
Power Options	🔞 Programs and Features	Q QuickTime	
🍂 Recovery	൙ Region and Language	semoteApp and Desktop Connections	
🔝 SmartAudio	Sound	Speech Recognition	
🖲 Sync Center	🍓 System	🛄 Taskbar and Start Menu	
Troubleshooting	🍇 User Accounts	💐 Windows Anytime Upgrade	
Windows CardSpace	👹 Windows Defender	📽 Windows Firewall	
🔮 Windows Live Language Setting	Windows Mobile Device Center	Windows Mobility Center	-



In the Administrative Tools window, select "Print Management":

						X
Control Panel + All C	Control Panel Items Administrative Tools		- 4 γ	Search Administr	ative Tools	Q
Organize - Burn					•	0
🚖 Favorites 📩	Name	Date modified	Туре	Size		
E Desktop	Component Services	7/14/2009 12:46 A	Shortcut	2 KB		
🔈 Downloads	瀞 Computer Management	7/14/2009 12:41 A	Shortcut	2 KB		
laces 😓 Recent Places	🔊 Data Sources (ODBC)	7/14/2009 12:41 A	Shortcut	2 KB		
JEA_Global (rofs)	📄 desktop.ini	4/12/2011 4:28 AM	Configuration Sett	2 KB		
👢 G Drive My Documents	😹 Event Viewer	7/14/2009 12:42 A	Shortcut	2 KB		
	🕵 iSCSI Initiator	7/14/2009 12:41 A	Shortcut	2 KB		
🞇 Libraries	💑 Local Security Policy	4/12/2011 4:28 AM	Shortcut	2 KB		
Documents	Microsoft .NET Framework 1.1 Configurat	1/15/2012 1:26 PM	Shortcut	2 KB		
🕹 Music	Microsoft .NET Framework 1.1 Wizards	1/15/2012 1:26 PM	Shortcut	2 KB		
Separate Pictures	Microsoft .NET Framework 2.0 Configurat	7/3/2011 9:25 PM	Shortcut	2 KB		
💐 Videos	Performance Monitor	7/14/2009 12:41 A	Shortcut	2 KB		
	汩 Print Management	4/12/2011 4:28 AM	Shortcut	2 KB		
🧏 Computer	Services	7/14/2009 12:41 A	Shortcut	2 KB		
bcal Disk (C:)	🙀 System Configuration	7/14/2009 12:41 A	Shortcut	2 KB		
B Lenovo_Recovery (D:)	🕀 Task Scheduler	7/14/2009 12:42 A	Shortcut	2 KB		
Q CD Drive (F:) WD SmartWare	💏 Windows Firewall with Advanced Security	7/14/2009 12:41 A	Shortcut	2 KB		
My Passport (G:)	瘫 Windows Memory Diagnostic	7/14/2009 12:41 A	Shortcut	2 KB		
Removable Disk (H:)	😹 Windows PowerShell Modules	7/14/2009 12:52 A	Shortcut	3 KB		
😪 storage (\\njtcfs2) (X:)						
🙊 mcbrider (\\10.27.129.29\sto						
18 items						



If the "Administrative Tools" icon is not available from the control panel, the user may enter the words "Print Management" in the search box in the "Start" menu:

	ዀ Print Management
	Print Management
	Control Panel (6)
	 Change advanced color management settings for displays, scan View devices and printers Add a printer Color Management
	Documents (117)
	 PGL print management screens 0508.xls PGL print management screens 0508.xls Process Detail for Print Management System.doc DBStructures.doc
١	Microsoft Office Outlook (1701)
	 RE: [#SRX31469] Issue With Label Setup Parameters RE: [#SRX31469] Issue With Label Setup Parameters RE: Development Projects with HKE to be Negotiated RE: Development Projects with HKE to be Negotiated
1	-iles (343)
	 Windows Print Management and TCP-IP Network Printing PrintMgmtConsole.doc Windows 7 Driver.docx WideWebTest1.doc
ļ	9 Search Everywhere
1	Print Management × Shut down >



Next click on the "Print Management" shortcut at the top of the window:

Drograms (2)
C 🏪 Print Management
Print Management
Control Panel (6)
 Change advanced color management settings for displays, scan View devices and printers Add a printer Color Management
Documents (117)
 PGL print management screens 0508.xls PGL print management screens 0508.xls Process Detail for Print Management System.doc DBStructures.doc
Vicrosoft Office Outlook (1701)
 RE: [#SRX31469] Issue With Label Setup Parameters RE: [#SRX31469] Issue With Label Setup Parameters RE: Development Projects with HKE to be Negotiated RE: Development Projects with HKE to be Negotiated
Files (343)
 Windows Print Management and TCP-IP Network Printing PrintMgmtConsole.doc Windows 7 Driver.docx WideWebTest1.doc
Search Everywhere
Print Management × Shut down >



This will bring up the "Print Management" window. Select the "All Printer" option:

矈 Print Management				
File Action View Help				
Print Management	Name		Actions	
All Printers (18) All Printers (20) All Drivers (20) All Drivers Vith Jobs Print Servers Brint Servers Brint Servers	All Drivers (28) All Drivers (20) Printers Not Ready Printers With Jobs		Custom Filters	

Select the printer to be used by NiceLabel (in this case "SATO PCL"):

hint Management						
File Action View Help						
🔚 Print Management	Printer Name	Queue Status	Jobs I	Server Name	Driver Na	Actions
Custom Filters	Hadobe PDF	Ready	0	SATOBOBM	Adobe PE	All Printers (18)
All Printers (18)	Engineering Developme	Ready	1	SATOBOBM	Generic /	More Actions
All Drivers (20)	🖶 Fax	Ready	0	SATOBOBM	Microsoft	More Actions ,
Printers With John	HP LaserJet 5200 Series P	Ready	0	SATOBOBM	HP LaserJ	SATO PCL
Print Servers	🖶 LIS 1865	Ready	0	SATOBOBM	Generic /	More Actions
Deployed Printers	HIS 1865 Engineering	Ready	0	SATOBOBM	Generic /	
	🖶 LP 100R	Ready	0	SATOBOBM	Generic /	
	HIP 100R Service	Ready	1	SATOBOBM	Generic /	
	Microsoft XPS Document	Ready	0	SATOBOBM	Microsoft	
	Nitro PDF Creator 2 (Rea	Ready	0	SATOBOBM	Nitro PDF	
	NJ_LPR_05	Ready	2	SATOBOBM	Generic /	
	🖷 PrimoPDF	Ready	0	SATOBOBM	PrimoPDF	
	Printer Driver Type 103 P	Ready	1	SATOBOBM	Printer Dr	
	🖷 SATO GL408e	Ready	0	SATOBOBM	SATO GL4	
	🖷 SATO GL412e	Ready	0	SATOBOBM	SATO GL4	
	🖷 SATO GT412e	Ready	0	SATOBOBM	SATO GT4	
	👼 SATO PCL			SATOBOBM	SATO PCL	
	🖶 Snagit 10	Ready	0	SATOBOBM	Snagit 10	
	•				•	



In the right pane, under "SATO PCL" select "More Actions" and then "Properties" in the resulting sub menu:

File Action View Help							
朣 Print Management	Printer Name	Queue Status	Jobs I	Server Name	Driver Na	Actions	
 Sustom Filters All Printers (18) All Drivers (20) Printers Not Ready 	 Adobe PDF Engineering Developme Fax 	Ready Ready Ready	0 1 0	SATOBOBM SATOBOBM SATOBOBM	Adobe PE Generic / Microsoft	All Printers (18) More Actions	
Printers With Jobs	HP LaserJet 5200 Series P	Ready	0	SATOBOBM	HP LaserJ	SATO PCL	
 ▶ ■ Print Servers ▶ ➡ Deployed Printers 	LIS 1865 ELIS 1865 Engineering LP 100R LP 100R Service Microsoft XPS Document Nitro PDF Creator 2 (Rea N_LPR_05 PrimoPDF Printer Driver Type 103 P SATO GL408e SATO GL412e	Ready Ready Ready Ready Ready Ready Ready Ready Ready Ready Ready Ready	0 0 1 0 2 0 1 0 0	SATOBOBM SATOBOBM SATOBOBM SATOBOBM SATOBOBM SATOBOBM SATOBOBM SATOBOBM SATOBOBM SATOBOBM SATOBOBM	Generic / Generic / Generic / Microsoft Nitro PDF Generic / PrimoPDF Printer Dr SATO GL4 SATO GL4	More Actions	Open Printer Queue Pause Printing Deploy with Group Policy Set Printing Defaults Manage Sharing Print Test Page Properties Delete Rename
	SATO GT412e SATO PCL Snagit 10	Ready Ready Ready	0	SATOBOBM SATOBOBM SATOBOBM	SATO GT SATO PCL Snagit 10		Help



This will show the "Printer Properties" window, the same as would be displayed from the "Devices and Printers" window:

SATO PCL Pr	operties				
Security	Coporal Objection Device Setting			ice Property Pa	ge
General	Sharing P	orts Adv	anced	Color Manage	ement
	SATO PCL				
Location:					
Comment:					
Model: Features Color: No	SATO PCL	Paper	available	:	
Double-si	ded: No	17 x	11		
Staple: No)				
Speed: 16	ppm				
Maximum	resolution: 600 c	loi			-
		Preferences	>	Print Test Pag	le
		ОК	Cano	el A	pply

Select the "Preferences" button, and then the "Advanced" button to enter the proper page size for the job to be printed. Once the job has been selected, the user may close the "Advanced" window, and click the "Apply" button in the "Preferences" window:



SATO PCL Printing Preferences	X
Layout Paper/Quality	
Orientation:	
▲ Portrait 👻	
	=
	Advanced
	OK Cancel Apply

The user may then close the "Print Management" window and enter the NiceLabel program to select the proper label to be printed.

Running NiceLabel in the Windows XP Environment

Running NiceLabel in the Windows XP environment encounters similar problems to that experienced in Windows 7. Because the Print Management Console is not a part of the XP environment, the solution detailed above is not available in this environment. In order to run NiceLabel documents reliably, it is necessary to follow a sequence of setup procedures each time a tag or label is run in this environment. The procedure consists of setting up the label for the first time, as was done in Windows 7 and saving the document for later use. Then, before reopening the document, the user must go into the "Printers and Faxes" window and set up the proper form size on the selected printer's properties. Open the "Printers and Faxes" window and select the printer to be used:





Right click on the printer and select "Properties":





On the first "Properties" window, click the "Printing Preferences" button:

Device Settings		Device Property	Page
General Sharing	Ports	Advanced	Security
SATO PCL			
ocation:			
iomment:			
todel: SATO PCI			
fodel: SATO PCL			
lodel: SATO PCL Features Color: No	Paper av	vailable:	
lodel: SATO PCL Features Color: No Double-sided: No	Paper av	vailable:	
todel: SATO PCL Features Color: No Double-sided: No Staple: No	Paper av Letter	vailable:	
todel: SATO PCL Features Color: No Double-sided: No Staple: No Speed: 16 ppm	Paper av	vailable:	
odel: SATO PCL Features Color: No Double-sided: No Staple: No Speed: 16 ppm Maximum resolution: 600 dpi	Paper av	vailable:	
odel: SATO PCL Features Color: No Double-sided: No Staple: No Speed: 16 ppm Maximum resolution: 600 dpi	Paper av	vailable:	X

On the first "Printing Preferences" window, click the "Advanced" button:

ayout Paper/Quality		1
Orientation		
 Portrait 		
🔘 Landscape		
- Page Order		
Front to Back		
Back to Front		
Dack to Holk		
Pages Per Sheet: 1 💌		
		+
	Advanced	



The "Advanced" window allows the user to select the proper paper size:

SATO PCL Advanced O	ptions		? 🗙
SATO PCL Advanced	Letter ▼ 14.5 × 11 15 × 0.5 15.5 × 13 16 × 12 16 × 12 17 × 11 17 × 12 17 × 13 17 ×	ngs ver inch Enabled	
		ОК	Cancel

Once the proper paper size is selected, click the "OK" button and on the first "Printing Preferences" screen, click the "Apply" button:

interest and the second	ences ? 🗙
Layout Paper/Quality	
Orientation	
> O Portrait	
Page Order	
Front to Back Sack to Front	
n Pages Per Sheet: 1 🗸	
t	
r -	
1	
	Advanced
-	

Next, close the "Printing Preferences" window and start the NiceLabel application.



When the desired label is loaded, the user will need to enter the "Label Setup" menu to set the label parameters and form size:

2	Ni	ceLabel Pro - [LabelARecreate.lbl]		_ 6	X
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C	3	_pen Ctrl+O	Print 🔻 🔎 Zoom 🔻 View 💌 🦄 Variables 💌 🎴 Database 💌 🕢		
		_lose Ctrl+F4			
l.		jave Ctrl+S			
		Save <u>A</u> s	Text Box 🔻 🖻 Rich Text Box 🔻 🎟 Bar code 🔻 🎽 Picture 💌 🔲 Rectangle 🚥 Line 💌 🔘 Ellipse 🐶 In	nverse	
		Export	2 3 4 5	1	
1	-	_abel Setup		^	
	-	wipt Setup			
-	na l	Printer Settings			ġ.
Į	3	Print Preview Ctrl+R			무
\$	à	Print Ctrl+P			
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		≧C:\Customers\Windows\RR_Redo_Fixed.lbl	1R0 empty		-0-0-
		3 C:\Customers\Windows 7 Drive\RR_Redo.lbl	AKMD:10000 SIZE/FIT 04 61E		- 1
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In this menu, it will be necessary to select the form size, and set the parameters for the label to be printed. Once the parameters have been entered, it will also be necessary to enter the proper form size in the "Print Setup" menu:

6	21	ViceLab	el Pro	- [Labe	elAReci	reate.lbl]																			PX
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	2	<u>O</u> pen				Ctr	1+0	Print	▼]∮) Zoom	View	▼ 🍖	Variables 🥆	🕶 📒 c	atabase	- 0									
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Enter the proper form size on the first "Print Setup" window:





With these steps done, the label will print properly on the wide paper web.

Running BarTender in the Windows 7 Environment

Using the latest release of the BarTender software, version 10.0 SR4 worked similar to that experienced in the latest version of the NiceLabel application. Once the label has been set up in the application, and the proper form sizes have been selected, if the label is then saved, these settings are remembered the next time the same label is run in the application. Running a repeat label is basically a case of opening the label and selecting "Print" from the "File" menu. When printing, it is best to verify that the proper form is set up in the printer. This is done by clicking the "Printer Properties..." button from the print menu:



BarTender Enterprise Automation	p - [BH. dcMod.btw]	
File Edit View Create Arran	Print [BH_dcMod.btw]	
Arial 12	Print Object Print Method Printer Name: SATO PCL	
Data Sources	Status: Ready Model: SATO PCL Port: 10.27.129.195 Location: Frist on Both Sidee Comment: Print to File Quantity Options Copies: Database Field: 'BH\$,Quantity' - Record Selection To the to the top top to the top top to the top	
Components @ Data Sources	Vise Database Database Connection Setup Queried Records: All Selected Records: 1 Example: 1,3,7-10,50 Test Print Print Preview Close Cancel Help	89158 0 2uantity ↔
Printer: SATO PCL Page Si	ze: 15 x 8.5 Item Width: 4.25" Item Height: 1.25"	

Once the form is selected, the printing can proceed without further settings.

Care should be taken to ensure that the user not select any of the setup options, as this may affect the printing on a form. These selections would be in the "Page Setup..." option in the file menu:





(B a	arTender Enterprise Automation - [BH_dcM	fod.btw]
	File	Edit View Create Arrange Admin	ister Tools Window Help
		New Ctrl+N	🔽 Τ΄ ΙΙΙΙΙ · Α · Ν 🖓 · 🛄 · 🖳 · 🖓 🖓 🚎 τΤ΄ 🗰
	2	Open Ctrl+O	
		Close Ctrl+F4	
		Close All	icMod.btw
		Save Ctrl+S	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 2, 1, 1, 1, 1, 1, 1, 3, 1, 1, 1, 1, 1, 4, 1, 1, in 0
		Save As	
	9	Save All	
		Database Connection Setup Ctrl+D	
		Page Setup	
	4	Print Preview CtrI+R	
	8	Print Ctrl+P	BH380376
	2	Reprint Console	
		Run BTXML Script	BH250010
		Print Batch	
		Export Image	B605-PG Field: BH\$.Quantity
		Export Printer Code Template	
		BarTender Document Options	
		BarTender Document Password	
		View Embedded Revision Log	
		1 BH_dcMod.btw	Record: III P H 4 IIII P
		2 G:\Customers\\BH_dcMod.btw	late 1 / Data Entry Form /
		3 Payless PCL IbI-ST1865.btw	Item Width: 4.25" Item Height: 1.25"
L		Evit	

Also, in the "Print..." menu, the "Document Properties..." button may affect the other parameters set in the label, if the document currently selected to print is changed in this option:



BarTender Enterprise Automation	p - [BH_dcMod.btw]	
File Edit View Create Arran	Print [BH_dcMod.btw]	
Arial	Print Object Print Method Printer Name: SATO PCL	
Data Sources Embedded Data Clock Visual Basic Script Database Fields Database Fields Named Data Sources Named Data Sources None> Ø Object Values W Bar Code 1 A Text 1 A Text 2 A Text 3 A Text 4 T Printer Code Template Fields None> 	Status: Ready Document Properties Model: SATO PCL Port: 10.27.129.195 Printer Properties Location: Print on Both Sides Comment: Print to File Quantity Options Copies: Database Field: 'BH\$.Quantity' - Record Selection Image: Connection Setup Queried Records: All Selected Records: 1 Example: 1,3,7-10,50	4 b x 1 1 1 1 1 1 1 1 1 1 1 1 1
🖪 Printer: SATO PCL 🛛 🗎 Page Si	ze: 15 x 8.5 Item Width: 4.25" Item Height: 1.25"	

Settings

Most of the settings for the SATO PCL laser printer driver follow normal Windows setup and are relatively intuitive. The driver page shows settings for page size, page orientation, copy count, resolution, etc.

The main page shows only Orientation (Portrait or Landscape), and Tray Selection (Automatically Select or Continuous). The tray selection does not affect the operation off the printer. The Orientation turns the print 90 degrees on the paper. Remember when printing in Landscape mode, the length setting on the printer must be set to accommodate the selected paper's width.

The "Advanced" page contains Paper Size selection (remember the paper size must match the printer paper size or clipping may occur), Copy Count, Print Quality (Resolution, as with the paper size, the resolution in the driver must match that set in the printer), True Type Font handling, Halftoning method, and Print Optimization. These last two are generally left at the default setting. The halftoning method determines the way the driver renders a halftone graphic to print on the page. The Print Optimization enabled or disabled affects the way the driver handles certain features of image creation for the printer.

The setup in Windows includes the port assignment, the driver assignment, and sharing settings. On the "Advanced" settings tab of the Windows Properties there are several settings which affect the printing to the LP 100R printer. The tab is as follows:



Security		Device Settings	D	evice Property Page
General	Sharing	Ports	Advanced	Color Management
Always a Always a	vailable e from	12:00 AM	To	12:00 AM
Priority:	1			
Driver:	SATO PCL	-		▼ New Driver
Spool pr Start Start	int docume printing aft	ents so prograr ter last page is	n finishes prir spooled	nting faster
 Spool pr Start Start Print dire 	int docume printing aft printing im ectly to the	ents so prograr ter last page is mediately printer	n finishes prir spooled	nting faster
 Spool pr Start Start Print dire Hold mission 	int docume printing aft printing im ectly to the	ents so prograr ter last page is mediately printer locuments	n finishes prir spooled	nting faster
 Spool pr Start Start Print dire Hold mis Print spo 	int docume printing aft printing im ectly to the smatched d coled docur	ents so prograr ter last page is mediately printer locuments nents first	n finishes prir	nting faster
 Spool pr Start Start Print dire Hold mis Print spo Keep pri 	int docume printing aft printing im ectly to the smatched d oled docur nted docun	ents so prograr ter last page is mediately printer locuments ments first nents	n finishes prir spooled	nting faster
 Spool pr Start Start Print dire Hold mis Print spo Keep pri Enable a 	int docume printing aft printing im ectly to the smatched d coled docur nted docun dvanced pr	ents so prograr eer last page is mediately printer locuments nents first nents inting features	n finishes prir spooled	nting faster

The choice of driver affects the printing. Also, as needed, the user may elect to start printing only after the application has spooled all the pages of the print job. This may be useful if the application is taking a longer time to spool the job because of a database lookup or some other complication. Once the job is complete in the spooler, the work can be sent to the printer much more quickly.

The bottom checkbox on this page, labeled "Enable advanced printing features", controls how the print job is prepared by the driver to be placed in the spooler, and then how the job is sent to the printer. If the feature is enabled, the box is checked, as is the default, the job as held in the print spooler is not finished and ready for printing. In this case, the Windows print engine completes the preparation of the file for the printer as the spooler releases it to the printer.

When using the NiceLabel application, the print module recognizes this setting. If the user needs to print a large number of the same label, the application will instruct the driver to print a number of copies of the same page to shrink the size of the file. This is accomplished with the copy command, a feature of the PCL language. Because of an incompatibility, the printer will not print the desired number of a repeated label. It will only print a single copy of the page that is to be repeated. For this reason, it is recommended that this feature be put to disabled (the box unchecked) to avoid a problem with the number of labels actually printed.

This behavior is also seen in the BarTender application with similar results to that described above. In addition, in some cases, selecting the "Advanced Printing Features Enabled" option could cause the first large quantity label to print the correct number of pages however from this point on, every page will print exactly this same number of pages. BarTender has recognized this behavior and includes a file in the application folder (default is "C:\Program Files\Seagull\BarTender Suite") to alleviate this problem. This file is "btwprn.ini" and has a section called "[Copy Incapable Printers]". Adding the "SATO PCL" model



printer to this list will stop the repeating of pages throughout the batch run. This does not eliminate the problem of the proper number of pages printing according to the copy count. For this reason, the "Enable advanced printing features" checkbox should always be left unchecked when printing to the SATO PCL printer.

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