



Compatible Interfaces:

- SATO IEEE1284 High-Speed Parallel
 - SATO RS232 High Speed Serial
 - SATO Enhanced Ethernet
 - SATO Enhanced USB •

Introduction

The new SATO "e" Series Printers come with a Windows[®] Driver that makes it easy and efficiently to produce label directly from Windows[®] applications such as WORD, EXCEL, ACCESS and many more. No need to learn new programs to design labels.

Please note that on the SATO "e" Series Printers, you have to use one of the following interfaces in order to make the Printer Driver/Status Monitor work properly:

- SATO IEEE1284 High-Speed Parallel
 - SATO RS232 High Speed Serial
 - SATO Enhanced Ethernet •
 - SATO Enhanced USB

CD Directory

All files to install the SATO Windows Driver on your computer are located in the Windrive folder on the Label Wizard SE CD.

Before you start:

SATO "e" Series Printers - The "e" Series Driver utilizes the printer's Bi-Com4 for detailed status information. This is disabled when DIP switch 2-5 is off. Therefore, the receive buffer must be set to "Multi-Buffer" to avoid communication problems. To enable multi-buffer the DIP switch 2-5 must be set to ON (SATO "e" Series Printers only).

Updating earlier driver - In case you're updating a previous driver installation, to avoid any conflicts, the "old" printer driver(s) and port drivers should be removed beforehand. This can be done by deleting those printers from the printer folder on your computer (**Start Menu** --> **Settings** --> **Printers**)

USB - You MUST run the UsbPrep.exe (**USBPREP.EXE**) utility BEFORE you connect the printer to the PC. The file can be found on the Driver CD in the folder:

Windrive --> CT400_410 DRIVERS or e VERSION DRIVERS ONLY (depending on your printer)

First you should choose Cleanup and then Prepare to copy the necessary files to your system. After that, you can connect the printer through USB and power it on. Windows[®] will detect the printer through Plug'n'Play installing the required "USB Device driver".

Note: WindowsTM NT4 and WindowsTM 95 DO NOT support the USB interface. Microsoft[®] recommends the use of Windows[®] 98/ME/2000.

IEEE1284 - For parallel connection, you have to use a true IEEE1284 data cable. Also, the parallel port you want to use should be an "ECP" type. Consult your computer specific documentation on instruction regarding modifying your parallel port connection.

Serial - In case you want to use a serial connection, you have to select "Status 4" protocol on the RS232 High Speed Serial I/F board. Therefore, DIP switch 1-7 & 1-8 (on the I/F board) must be set to ON, and DIP switch 2-8 (on the printer) must be set to OFF. Both the printers and the PC must have identical settings in order to communicate. This includes Baud Rate, Parity, stop bit, Data bit and Flow control.

Printer Driver installation

Step 1 - Connect the printer to the PC and power it on. Run Printer (**PRNINST.EXE**) which is part of the printer driver package. You can enter the name of the path or browse the CD:

• Enter Path:

Go to the Windows Start menu, click on Run and enter the path. (D:\ is the drive letter of your CD ROM):

 \Rightarrow For all "e" Series Printers enter

D:\Windrive\e VERSION PRINTER DRIVERS ONLY\PrnInst.exe ⇒ For CT Series Printers

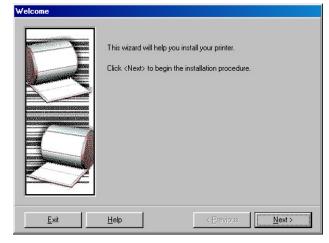
D:\Windrive\CT400_410 DRIVERS\PrnInst.exe

łun	<u>? ×</u>
	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.
<u>O</u> pen:	D:\Windrive\e VERSION PRINTER DRIVERS ONL
	OK Cancel Browse

Browse CD:

Go to the Windows Start menu and click on Run. Click on Browse and search the CD : Windrive --> CT400_410 DRIVERS or e VERSION DRIVERS ONLY (depending on your printer model)

Step 2 - The opening dialogue: Click **Next** to get to the printer selection dialogue box



Step 4 - The Enhanced interface needs a kind of "virtual" port. To add one select **<add new port in the printer next step>** and click **Finish**.

	Enter the name for your printer. Also, select the port your printer is connected to. When you are done, select <finish> to install the printer and add an icon to the Printers folder.</finish>
annu -	Printer name: SATO M-8400RVe
Service Services	Available ports:
	<add in="" new="" next="" port="" step="" the=""></add>
	I want to use this printer as the Windows default printer.
<u>E</u> xit	Help < <u>P</u> revious <u>Einish</u>

Step 3 - Choose appropriate printer and click **Next** to get to the option **Add New Port Dialogue**

Selecting the printer		
	a different folder or your prin	A model of your printer. If the driver is in ter came with a driver diskette, click initrate is not listed, consult your printer ible printer. Brinters: SATO CL4098 SATO CL4128 SATO CL4128 SATO CL4128 SATO CL6128 SATO CL6128 SATO M-846958 SATO M-846958 SATO M-846958 •
<u> </u>	<u>H</u> elp	< Erevious Next >

Step 5 - Choose the interface type you would like to install. For instructions on individual interfaces see next pages.

- a) IEEE1284 High-Speed Parallel Connection
- b) RS232 High Speed Serial Connection
- c) Enhanced Ethernet Connection
- d) Enhanced USB Connection

Advice	
	ected, select port type, then complete this
dialog box.	
-	
Port type	
Port type C_LPT printer port (parallel)	C USB printer port

a) Installing IEEE1284 High-Speed Parallel Connection

Under **Port type**, choose **LPT printer port (parallel)**, **Port name** should be something like **SATO** (will appear as **LPT_SATO**) and under **LPT port** you must select the "physical" parallel port you want to use. Click **OK** to get to the next dialogue:

Make sure the cable is connecter dialog box.	d, select port type, then complete this
Port type	
EPT printer port (parallel)	USB printer port
C COM printer port (serial)	LAN printer port
Port name <u>N</u> ame: LPT_SATO	
LPT port	
Select device:	•

Use the default settings and click $\ensuremath{\mathsf{OK}}$ to finish the installation.

Name: LPT_SATO		
.PT port		
Select de <u>v</u> ice:	LPT1 💌	
Timeout for reception:	500 ms	
Timeout for reception interval:	200 ms	
Timeout for transmition:	3000 ms	
imeout settings	pad.	
Timeout for printing:	200 ms	
Timeout for <u>d</u> ownload:	7000 ms	
Detection		

b) Installing RS232 High-Speed Serial Connection

Under **Port type**, choose **COM printer port (serial)**, **Port name** should be something like **SATO** (which will appear as **COM_SATO**) and under **COM port** you have to select the "physical" serial port you want to use. Click **OK** to get to the next dialogue:

Make sure the cable is connected dialog box.	d, select port type, then complete this
Port type	
C LPT printer port (parallel)	USB printer port
<u>COM</u> printer port (serial)	C LAN printer port
Port name <u>N</u> ame: COM_SATO	
COM port	
Select device: COM1	-

Here you have to set the appropriate port parameters. Then you can click **OK** to finish.

<u>Note:</u> These parameters must match the printers serial port settings.

	SATO		
COM port			
Select de <u>v</u> ice:	COM1	-	
<u>B</u> its per second:	19200	-	
<u>Parity:</u>	None	•	
<u>D</u> ata bits:	8	-	
<u>S</u> top bits:	1	•	
Elow control:	None	-	<u>R</u> estore Defaults
imeout Settings –	out setting for dow	nload.	s

c) Installing Universal Serial Bus (USB) Connection

Under **Port type**, choose **USB printer port**, **Port name** should be something like **SATO** (which will appear as **USB_SATO**) and under **USB port** the printer name and the device will appear automatically. Click **OK** to get to the next dialogue:

<u>Note:</u> If there is no USB port selection available the port has not been properly installed. Make sure that the printer's power is off and then run USB prep as indicated at the beginning of this manual.

Make sure the dialog box.	e cable is connected	d, select port type, then complete this	
Port type			
C LPT printer	port (parallel)	USB printer port	
C COM printer port (serial) C LAN printer port			
<u>N</u> ame: U USB port —	SB_SATO		
	SATO CL408e	•	
Printer name:		B&PCI&VEN_8086&DEV_DEV7112&B	

Under normal circumstances, all the default settings can be used. Click **OK** to finish the installation.

Name: USE	_sato3		
JSB port			
<u>P</u> rinter name:	SATO M-8400R	Ve	
<u>D</u> evice:	3USB&VID_045	1&PID_1446&1U	SB&ROOT_HUB&PC
	neout setting for do		
Timeout fo	r p <u>r</u> inting:	30	ms
Timeout for	r do <u>w</u> nload:	30	ms
		2000	ms

d) Installing LAN/Ethernet Connection

Under **Port type**, you choose **LAN printer port**, **Port name** should be something like **SATO** (which will appear as **LAN_SATO**) and under **LAN port** the printers IP address. Click **OK** to finish installation.

rt Name Advice Make sure the cable is connected dialog box.	I, select port type, then complete this
Port type C LPT printer port (parallel) C COM printer port (serial)	C USB printer port C L≙N printer port
Port name Name: LAN_	
LAN port IP address: 192.168.2.100	Search timeout: 3 s Search
ОК	Cancel <u>H</u> elp

Note: If the following error should come up. Please check if the IP address is correct. If you don't know the IP address of the printer you need to set one up using the XAdmin software supplied with the SATO Ethernet adapter. Refer to the documentation on the CD that came with the Printer and/or Ethernet Card for Instructions.

SATO P	rt 🗾	×
?	Invalid or unreachable network address '192.168.2.100'. Continue?	
	Yes No	

SATO Status Monitor

The SATO Windows Driver will report status information on real time basis to the SATO Printer Status Monitor. The Status Monitor must be running. If the Status Monitor is being run minimized, the icon will be displayed in the lower right corner of the toolbar. When a monitored error happened, the Port Monitor Screen will automatically pop up, to communicate that an event has occurred

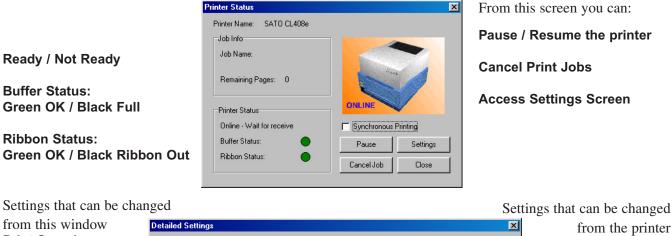
The Printer Status Monitor is for viewing the status ONLY. No functions can be changed from this screen.

nt has occurred					
	🚘 SATO Printer Status Monitor			- 🗆 🗵	
	Printer Name	Status	Job Name	Pages	
us	SATO CL408e	Online - Wait for receive	-65	0	

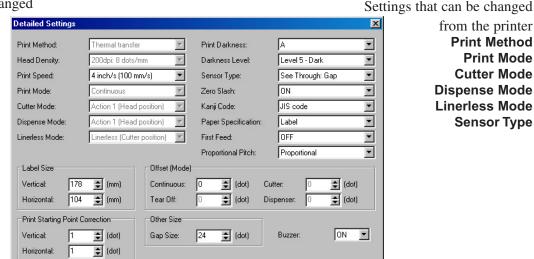
Functions Reported on Printer Status Monitor Screen:				
Not Ready	Error - Paper End (Out of Labels)			
Online - Waiting for receive	Error - Sensor Error			
Online - Printing	Error - Head Error (broken head element)			
Job Name	Error - Head Open			
Pages = Quantity of Labels to Print	Ribbon Near End			
Paused	Cutter Error			
Error - Ribbon End (Out of Ribbon)				

Printer Status Screen

If you double click on the printer name the Printer Status Window opens up. From this window you can view Printer Status:



from this window Print Speed Label Size Print Starting Point Correction Print Darkness Darkness Level Zero Slash Paper Specification Proportional Pitch Offset (Mode) Other Size Buzzer



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