

Printer Driver Manual

For printer model:





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Before You Start

A printer driver is software that sends data created on a computer (documents and illustrations) to the printer and print it on a label. The CT4-LX Printer Driver Manual (hereinafter, "this manual") describes how to obtain and install the printer driver for the CT4-LX (hereinafter, "the product"). It also describes how to configure various settings after installing the printer driver, and how to uninstall and update the printer driver.

Printer Driver Screenshots Used in This Manual

This manual mainly uses screenshots of the printer driver for the product captured on Windows 10. Therefore, the screen layout may differ depending on the OS that you are using.

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Installing the Printer Driver

Enter a short description of your task here (optional).

By installing a printer driver on a computer, data created with the computer can be printed by the product. You must first connect the product to a computer and then install the printer driver. The installation method varies depending on how the computer and product are connected.

Process and Precautions for Installing Printer Driver

Printer Driver Operating Environment

- A computer screen resolution of at least 1024 x 768 pixels is recommended. If it is lower than that, part of the screen will not be displayed.
- The printer driver supports the following OSs:

Windows 10, Windows 8.1, Windows 7, Windows Server 2019#Windows Server 2016#Windows Server 2012 R2#Windows Server 2012#Windows Server 2008 R2#Windows Server 2008

Supported Connection Methods

The printer driver can be installed when the product is connected to a computer in one of the following ways:

- USB
- LAN
- Wireless LAN (when the optional wireless LAN / Bluetooth kit is installed)
- Bluetooth (when the optional wireless LAN / Bluetooth kit is installed)
- RS-232C (when the optional RS-232C kit is installed)

Process to Install the Printer Driver

The process to install printer driver is as follows:

1. Prepare the printer driver

An installer is used to install the printer driver. Prepare the installer on a computer. For details, refer to "<u>Preparing the Printer Driver</u>".

2. Connect the product to the computer

Connect the product to the computer using one of the connection methods.

- When connected the product via USB, refer to "Connecting via USB cable".
- When connected the product via LAN, refer to "Connecting via LAN cable".
- When connected the product via wireless LAN or Bluetooth, refer to "<u>Connecting via</u> wireless LAN or Bluetooth (when the optional wireless LAN/Bluetooth kit is installed)".
- When connected the product via RS232-C, refer to "<u>Connecting via RS-232C cable (when</u> <u>the optional RS-232C kit is installed</u>)".
- 3. Install the printer driver

Install the printer driver on the computer.

- When connected the product via USB, refer to "<u>Installing the driver when connected via</u> <u>USB</u>".
- When connected the product via a LAN or wireless LAN, refer to "<u>Installing the driver when</u> <u>connected via LAN cable or wireless LAN</u>".
- When connected the product via Bluetooth, refer to "".
- When connected the product via RS-232C, refer to "Installing the driver when connected via RS-232C".

4. Set up the driver

Set up the installed printer driver as necessary. For details, refer to the following sections:

- "Setting Up the Printer Driver"
- "Settings on the Driver Settings Tab"
- "Settings on the Configure Printer Tab"

Precautions When Installing the Printer Driver

- Before starting the installation, close all applications.
- When you do the printer driver setup, the properties settings, or the print settings, log in with Administrator Privilege.
- If the terminal service is being started with Windows Server 2008, or the remote desktop service is being started with Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, or Windows Server 2019, change the terminal service or remote desktop service to install mode. However, it is not guaranteed that the printer driver can be used in the terminal service or remote desktop service environment.
- When using multiple products, install as many printer drivers as there are products to identify each product.
- When installing the printer driver, select the model which is compatible with the resolution of the product. The resolution of the product is displayed on the upper left of the Online/Offline screen.

Preparing the Printer Driver

Download the printer driver from the SATO download site onto the computer. A compressed file will be downloaded. Extract it to anywhere on the computer.

- 1. Start the computer and open your web browser.
- 2. Go to the SATO download site (http://www.satoworldwide.com/software/ gallerydriver.aspx).

3. Download the printer driver.

A compressed file will be downloaded.

4. Extract the compressed files.

The compressed files are extracted.



- "PrnInst.exe" is the installer.
 - The file "PrnInst.exe" is used not only to install the printer driver but also to update and uninstall the printer driver.

Connectiong the Product to the Printer

Before installing the printer driver, connect the product to the computer.



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Power off the product before connecting to the computer.

Connecting via USB cable

One end of the cable to connect the product must be Type B (1) and the other end Type A (2) with a length of less than 5 meters.



1. Power off the product.

2. Connect the USB cable to the product.

Connect the USB cable (Type B) to the connector shown in the figure.



3. Connect the USB cable to the computer.

Connecting via LAN cable

1. Power off the product.

2. Connect the LAN cable to the product.

Connect the LAN cable to the connector shown in the figure.



3. Connect the LAN cable according to your network environment.

4. Configure the network settings.

For details of the network settings, refer to "CT4-LX Operator Manual."

Connecting via wireless LAN or Bluetooth (when the optional wireless LAN/Bluetooth kit is installed)

- 1. Check whether the wireless LAN/Bluetooth kit is installed to the product.

For details of the wireless LAN network settings, refer to "CT4-LX Operator Manual."

The Wireless LAN/Bluetooth kit needs to be installed by the customer engineer. Contact your SATO reseller or technical support center.

Connecting via RS-232C cable (when the optional RS-232C kit is installed)

Connect the interface cable when the product is powered off.

1. Connect the RS-232C cable to the RS-232C connector of the product.



The RS-232C kit needs to be installed by the customer engineer. Contact your SATO reseller or technical support center.

Running the Installation

The printer driver installation procedure differs depending on how the computer and product are connected.

Check how the product is connected before running the installation.

The printer driver installer is the same as other models. Ports which are not supported by the product may be displayed. Read this manual carefully and check the port to be used.

Installing the driver when connected via USB

This section describes how the printer driver is installed automatically with the Plug and Play feature.

- Automatic printer detection is supported only on a USB port.
 - Before starting the installation, close all applications.
 - To do the printer driver setup, the properties settings, or the print settings, log in with Administrator Privileges.
 - When you use the printer driver, enable bi-directional communication.
 - If the terminal service is being started with Windows Server 2008, change the terminal service to the installation mode. However, it is not guaranteed that the printer driver can be used in the terminal service environment.
 - When using multiple products, it is necessary to install as many printer drivers as products, to identify each product.

1. Power on the product.

2. Connect the product to a computer, using a USB cable.

The printer driver is located online and downloaded to the computer. Automatic installation starts immediately.

If the printer driver is available at the Windows Update Site, a system notification message is shown on the latest operating systems (Windows 7 and later). If you click the notification message, the new [Driver Software Installation] dialog box opens. Monitor the installation status, using this dialog box. Closing the dialog box finishes the installation.

If the printer driver is unavailable at the Windows Update Site, refer to "<u>If the printer driver is</u> <u>unavailable at the Windows Update Site (Manual installation)</u>".

After installing the printer driver for the first product, the printer driver for the second and additional products will be automatically installed when the products are connected to the computer and powered on. However, the name of the printer drivers will be "driver name (1)", "driver name (2)", etc. To change the driver name, right-click the product in [Devices and Printers], select [Printer properties], and change the name at the top of the [General] tab.

If the printer driver is unavailable at the Windows Update Site (Manual installation)

Follow these steps to install a printer driver using the manual Windows Add a Printer procedure.

If the printer driver is unavailable at the Windows Update site, download the printer driver to the local disk. For details, refer to "<u>Preparing the Printer Driver</u>".

1. Open [Control Panel] and click [Hardware and Sound] > [Devices and Printers] > [Device Manager].



2. Expand the node [Other devices] to show the installed printer, then right-click the printer and select [Update Driver].

device Manager	-	×
File Action View Help		
♦ ⇒ □ □ □ □ □ ↓ × ●		
v & 00 * 00000		
>) Audio inputs and outputs		
> 🥁 Batteries		
> Biometric devices		
> 🖇 Bluetooth		
> 🗕 Cameras		
> 🤰 Computer		
> 🥪 Disk drives		
> 🍡 Display adapters		
> 🥥 DVD/CD-ROM drives		
> New Human Interface Devices		
> 🦡 IDE ATA/ATAPI controllers		
> 🐄 Imaging devices		
> 🚤 Keyboards		
> improvement in the second		
> Some manual sector of the		
> 🤜 Monitors		
> 🧔 Network adapters		
V Conter devices		
Update driver		
> 40 Print queues		
> C Processors		
/ Security devices		
> U Software devices Scan for hardware changes		
> Sound, video and Properties		
> a storage controlle		
> 🐚 System devices		
> 🛷 Universal Serial Bus controllers		
Launches the Update Driver Wizard for the selected device.		

- 3. At the message [How do you want to search for drivers?], select [Browse my computer for driver software].
- 4. Click [Browse] and search for the driver folder that you have downloaded.

		×
←	Update Drivers - SATOHC4-LX-J 305dpi	
	Browse for drivers on your computer	
	Search for drivers in this location:	
	D\Downloads\SATOSATOSATOBrowse	
	✓ Include subfolders	
	- N Let me nick from a list of available drivers on my computer	
	→ Let me pick from a list of available drivers on my computer This list of available driver and block the driver and all driver in the	
	This list will show available drivers compatible with the device, and all drivers in the same category as the device.	
	Next Cance	Ы

5. Once located, expand the node and select the [SATO] folder then click [OK].

Browse For Folder	<
Select the folder that contains drivers for your hardware.	
Downloads SATO_TS177 SATO Common Tools Win32	
Win64 Favorites	
Folder: SATO	

E.

6. Click [Next]. Wait for the driver to be updated/installed accordingly.

		\times
÷	Update Drivers - SATOHC4-LX-J 305dpi	
	Browse for drivers on your computer	
	Search for drivers in this location:	
	D\Downloads\SATO\SATOSATO	
	☑ Include subfolders	
	→ Let me pick from a list of available drivers on my computer This list will show available drivers compatible with the device, and all drivers in the same category as the device.	
	<u>N</u> ext Cance	ł

Installing the driver when connected via LAN cable or wireless LAN

1. Power on the product and confirm that it is connected to the network.

2. Double-click PrnInst.exe.

The printer installation wizard starts.

3. Click [Next].



4. Click [Install Printer Driver].



5. Click [Network Port].



6. Select the product to add and click [Add].



If the product is not shown, check that the product is powered on and connected to the network, and click [Refresh].

If the product is still not shown, add the product using the following procedure.

a. Click [Manual].

Printer Installation Wizard
Detect Network Printer Please select the printer found on the local network.
Scanning network for connected printers. Please make sure that the printer is turned on and connected to the network. Please wait for a moment.
<u>R</u> efresh
<u>E</u> xit < <u>P</u> revious <u>M</u> anual <u>A</u> dd

b. Select the product and click [Next].

c.

Printer Installation Wizard	<u></u> .		
Select Printer Please select the printer that y	ou would like to install.		
SATO CL6NX 305dpi SATO CT408i SATO CT412i SATO CT424i SATO CT4-ex-RF TT305 SATO CT4-ex-RF TT305 SATO CT4-LX 203dpi SATO CT4-LX 305dpi SATO CW408 SATO CZ408 SATO CZ412 SATO DR308e SATO FX3-LX DT305-Ln			^
SATO GL408e SATO GL412e SATO GT408e			*
	<u>E</u> xit	< <u>P</u> revious	<u>N</u> ext >
Select the network port, and click	[Next].		
Printer Installation Wizard Select Network Port Select the port your printer is o	connected to.		
<u>C</u> reate a new network port <u>U</u> se an existing port:			
Port LPT1: LPT2: LPT3: COM1: COM2: COM2: COM3: COM4: FILE:	Type Printer Port Printer Port Printer Port Serial Port Serial Port Serial Port Serial Port Local Port	Configuration	<
✓ Show <u>a</u> ll ports			onfigure
	<u>E</u> xit	< Previous	<u>N</u> ext >

If you have selected [Create a new network port], proceed to step d.

If you have selected [Use an existing port] and then selected a port from the list, proceed to step 7.

d. Enter the IP address of the product into [Printer Name or IP Address], and click [Next]. If the same port name exists, change [Port name] and then click [Next].

Printer Installation Wizard	
Add Network Port	
Enter port configuration for the (desired printer.
Port name:	LAN_SATO_CT4-LX_305dpi
Printer Name or IP Address:	
Printer Name of IP Address.	
Port number:	9100
	<u>E</u> xit < <u>P</u> revious <u>N</u> ext >



For details of how to confirm the IP address, refer to "CT4-LX Operator Manual".

7. Click [Install].

Printer Installation Wizard		
Printer Options		
Please select printer o	ptions before installation.	
Printer <u>n</u> ame:	SATO CT4-LX 305dp	
Driver version:	7.8.07.15941	
Port name:	LAN_SATO_CT4-LX_305dpi	
Select language:	English	\sim
I want to use this p	printer as the Windows <u>d</u> efault printer	
	<u>E</u> xit < Previous	Install

If the same printer name exists, change [Printer name] and then click [Install].

When the [Windows Security] screen appears, click [Install].



• If a security warning screen indicating that another process is blocking access appears, follow the on-screen instructions.

8. Confirm that [succeeded] is displayed for the installed product and click [Exit].

rinter Installation Wizard	
Summary Operation completed. Please read the summary below.	2
Created printer ports:	
Creation of printer port LAN_SATO_CT4-LX_305dpisucceeded.	
Installed printers:	
Installation of SATO CT4-LX 305dpi (ver. 7.8.7.15941) on port LAN_SATO_CT4-LX_305dpisucceeded.	
Install another printer	
<u>Exit</u>]

9. Open [Devices and Printers] and confirm that the product has been added to the list of printers.



Installing the driver when connected via Bluetooth

Add the product to the computer as a Bluetooth device (this is called pairing) and install the printer driver on the computer. The procedure for pairing a Bluetooth device varies depending on your computer environment. The following procedure is an example using Windows 10.

For details, refer to the user manual of your computer.

For details of the product screen and operations, refer to "CT4-LX Operator Manual."

Pairing the product with the computer

- 1. Power on the product.
- 2. Tap [Settings] on the Home screen of the product. The Settings mode menus are shown.
- 3. Tap [Bluetooth] in the Settings mode on the product.
- 4. If the [Enable] check box is not selected, tap it to enable the Bluetooth function.

* -	ned Ned	
	Bluetooth	
	Enable	\checkmark
ř	Name SATO PRINTER_842	U
ř	PIN Code	0000
	BD Address	\$4545

5. Check the device name shown in [Name].

Note down this information because it is needed to connect to the product.

- 6. Start the computer.
- 7. Click the arrow ([Show hidden icons]) ([a]) on the bottom-right of the computer desktop, right-click the Bluetooth icon ([b]), and select [Add a Bluetooth Device].

	Add a Bluetooth Device
	Allow a Device to Connect
	Show Bluetooth Devices
	Send a File
	Receive a File
	Join a Personal Area Network
	Open Settings
	Remove Icon
8 D 🕴 🧠 🗉	
🤝 😔 🐼 🔯	• 🕫 🛛
· · · ·	
) 🔁 🖭 💭 🕼	op [»] ^ 勉 દ 40) ^{3:50 PM} 및 3/2/2018 및

• The screen layout and the steps hereafter differ in versions before Windows 10 Creators Update.

8. Click [Add Bluetooth or other device].

Home	Bluetooth & other devices
Find a setting ク	+ Add Bluetooth or other device
Devices	Bluetooth
Bluetooth & other devices	On On

9. Click [Bluetooth].

Add	a device	×		
Ac	Add a device			
Cho	oose the kind of device you want to add.			
*	Bluetooth Mice, keyboards, pens, or other kinds of Bluetooth devices			
Ţ	Wireless display or dock Wireless monitors, TVs, or PCs that use Miracast, or wireless docks			
+	Everything else DLNA, DIAL, POS, and more			
	Cancel			
	Curren			

- 10. On the list of discovered devices, select the name of the device that you confirmed in step <u>5</u>.
- 11. Make sure the number displayed on the computer screen matches the pairing code on the product's screen, and tap on the product, and click [Connect] on the computer.

12. Click [Done].



Installing the Printer Driver



1. Open [Devices and Printers], right-click the added product, and select [Properties].

2. Confirm the port assigned to [Serial port(SPP)] on the [Services] tab and click [OK].

This information is necessary when installing the printer driver so make sure to write it down.



3. Double-click PrnInst.exe.

The printer installation wizard starts.

4. Click [Next].



5. Click [Install Printer Driver].



6. Click [Other].



7. Select the product and click [Next].

Select Printer		
Please select the printer that you	u would like to install.	Ċ
SATO CL6NX 305dpi		^
SATO CT408i		
SATO CT412i		
SATO CT424i		
SATO CT4-ex-RF TT305		
SATO CT4-LX 203dpi		_
SATO CT4-LX 305dpi		
SATO CW408		
SATO CZ408		
SATO CZ412		
SATO DR308e		
SATO FX3-LX DT305-Ln		
SATO GL408e		
SATO GL412e		
SATO GT408e		Y

8. Click [Add Port].

Printer Installation Wizard Select Local Port Select the port your p	printer is connected to.		
Port	Туре	Configuration	^
LPT1:	Printer Port		
LPT2:	Printer Port		
LPT3:	Printer Port		
COM1:	Serial Port		
COM2:	Serial Port		
COM3:	Serial Port		
COM4:	Serial Port		
FILE:	Local Port		
Desktop*.pdf	Adobe PDF		
Documents*.pdf	Adobe PDF		~
		Add Port	C <u>o</u> nfigure
		<u>E</u> xit < <u>P</u> revious	<u>N</u> ext >

9. Select [SERIAL(COM)] for [Select port type] and click [OK].

Advanced Port Monitor Con	figuration		×
Port Type Selection Select port type:	SERIAL (COM)	~	
		ОК	Cancel

10. Configure the port settings and click [OK].

Configure the following settings:

[Port Name]: Enter a name (E.g., CT4-LX)

[Serial port]: Select the port you checked in step 2.

[Flow control]:	Select [None].
-----------------	----------------

Advanced Serial Port Configuration		
Port Name <u>N</u> ame: COM		
Serial Port Data Serial port:	COM3: V	
Bits per second:	19200 ~	
Data bits:	8 ~	
Parity:	None ~	
Stop bits:	1 ~	
Flow control:	None	
Timeout settings		
Enable download		
Printing:	200 ms	
Download:	7000 ms	
	OK Cancel	

11. Click [Next].

	ter Installation Wizard Select Local Port Select the port your printer is o	connected to.	G	
[Port	Туре	Configuration	^
	LPT1:	Printer Port		
	LPT2:	Printer Port		
	LPT3:	Printer Port		
	COM1:	Serial Port		
	COM2:	Serial Port		
	COM3:	Serial Port		
	COM4:	Serial Port		
	FILE:	Local Port		
	COM_CT4-LX	SATOV6 Advanced P		
	Desktop*.pdf	Adobe PDF		~
		Ad	ld Port C <u>o</u> nfigure	e
		Exit	< <u>P</u> revious <u>N</u> e	xt >

12. Click [Install].

Printer Installation Wizard		
Printer Options Please select printer op	otions before installation.	
Printer <u>n</u> ame:	SATO CT4-LX 305dpi	
Driver version:	7.8.07.15941	
Port name:	COM_CT4-LX	
Select language:	English	\sim
I want to use this p	rinter as the Windows <u>d</u> efault printer	
	<u>E</u> xit < <u>P</u> revious	Install
	Eve Cicolous	instan

If the same printer name exists, change [Printer name] and then click [Install]. When the [Windows Security] screen appears, click [Install].



13. Confirm that [succeeded] is displayed for the installed product and click [Exit].

Printer Installation Wizard	
Summary Operation completed. Please read the summary below.	
Installed printers: Installation of SATO CT4-LX 305dpi (ver. 7.8.7.15941) on port COM_CT4-LX_BT succeeded.	
Install another printer	
	<u>E</u> xit
14. Open [Devices and Printers] and confirm that the product has been added to the list of printers.



Installing the driver when connected via RS-232C

1. Connect the product and computer with the RS-232C cable, and power on the product.

2. Double-click PrnInst.exe.

The printer installation wizard starts.

3. Click [Next].



4. Click [Install Printer Driver].



5. Click [Local Port].



6. Select the model of the product and click [Next].

Printer Installation Wizard	
Select Printer Please select the printer that you would like to install.	
SATO CT424i SATO CT4-ex-RF TT305 SATO CT4-LX 203dpi	^
SATO CT4-LX 305dpi	
SATO CW408 SATO CZ408	
SATO CZ412	
SATO DR308e SATO FX3-LX DT305-Ln	
SATO GL408e	
SATO GL412e	
SATO GT408e SATO GT412e	
SATO GT424e	
SATO GY412T	~
<u>E</u> xit < <u>P</u> revious	Next >

7. Select a serial (COM) port and click [Next].

Port	Туре	Configuration	1
LPT1:	Printer Port		
LPT2:	Printer Port		
LPT3:	Printer Port		
COM1:	Serial Port		
COM2:	Serial Port		
COM3:	Serial Port		
COM4:	Serial Port		

8. Click [Install].

Printer Installation Wizard		
Printer Options Please select printer opt	ions before installation.	
Printer <u>n</u> ame:	SATO CT4-LX 305dp	
Driver version:	7.8.07.15941	
Port name:	COM1:	
Select language:	English	~
I want to use this prir	ter as the Windows <u>d</u> efault printer	
	<u>E</u> xit < <u>P</u> revious	İnstall

When the [Windows Security] screen appears, click [Install].

E Windows Security	×
Would you like to install this device software?	
Name: SATO printer driver Publisher: SATO CORPORATION	
Always trust software from "SATO CORPORATION".	o <u>n</u> 't Install
You should only install driver software from publishers you trust. <u>How can which device software is safe to install?</u>	<u>l decide</u>
 If a security warning screen indicating that another pro appears, follow the on-screen instructions 	cess is blocki

If a security warning screen indicating that another process is blocking access appears, follow the on-screen instructions.

9. Confirm that [succeeded] is displayed for the installed product and click [Exit].



10. Open [Devices and Printers] and confirm that the product has been added to the list of printers.



Installing the printer driver for second and later products

When using multiple products, you need to install printer drivers for each product.

When connected via USB

- 1. Power off the product and connect the product to the computer.
- Power on the product.
 The Plug and Play feature runs and the printer driver is automatically installed.
- 3. If necessary, change the printer name.



You cannot install the printer driver as port and printer names that have already been created. Change the name(s).

When connceted via LAN, wireless LAN, or RS-232C

Use the same procedure as the first product to install the driver.

- 1. Double-click PrnInst.exe.
- 2. To finish installing the driver, follow the same procedure as the first product.



You cannot install the printer driver as port and printer names that have already been created. Change the name(s).

When connected via Bluetooth

Use the same procedure as the first product to install the driver.

- 1. Pair the product with the computer.
- 2. Double-click PrnInst.exe.
- 3. To finish installing the driver, follow the same procedure as the first product.



You cannot install the printer driver as port and printer names that have already been created. Change the name(s).

Changing the Product Name after Installed

1. Open [Devices and Printers]. right-click the printer to be renamed and select [Printer properties].



3				
5) 	SATO CT4-LX 305dpi			
Location:				
<u>C</u> omment:				
Model:	SATO CT4-LX 305dpi			
Features Color: No		Paper available:		
Double-sic Staple: No		Custom	^	
Speed: Un Maximum	known resolution: 305 dpi		~	
	Prg	erences Print <u>T</u> est Page		

2. Rename in [General] tab then click [OK].

Manually configuring settings necessary to install the driver

This section describes how to install the printer driver by manually configuring the printer driver settings.

1. Click [Install Printer Driver].

Printer Installation Wizard	
Installation Options Please select one of the driver installation or removal options.	
→ Install Printer Driver Installs printer driver.	
ightarrow Up <u>d</u> ate Printer Drivers No suitable printer driver is already installed.	
\rightarrow <u>U</u> ninstall Printer Drivers No installed printer found.	
\rightarrow <u>Remove Preloaded Drivers</u> No previously preloaded drivers found.	
<u>E</u> xit < <u>P</u> revious	<u>N</u> ext >

2. Click [Other].



3. Select the product and click [Next].

Select Printer			
Please select the printer that yo	ou would like to i	nstall.	C
SATO CT424i			,
SATO CT4-ex-RF TT305			
SATO CT4-LX 203dpi			
SATO CT4-LX 305dpi			
SATO CW408			
SATO CZ408			
SATO CZ412			
SATO DR308e			
SATO FX3-LX DT305-Ln			
SATO GL408e			
SATO GL412e			
SATO GT408e			
SATO GT412e			
SATO GT424e			
SATO GY412T			`

4. Click [Add Port].

Select the port your p	printer is connected to.		
Port	Туре	Configuration	^
LPT1:	Printer Port		
LPT2:	Printer Port		
LPT3:	Printer Port		
COM1:	Serial Port		
COM2:	Serial Port		
COM3:	Serial Port		
COM4:	Serial Port		
FILE:	Local Port		
COM_CT4-LX	SATOV6 Advanced	P	
Desktop*.odf	Adobe PDF		~
		Add Port Cg	<u>o</u> nfigure

• If a security warning screen indicating that another process is blocking access appears, follow the on-screen instructions.

- 5. Select the port type that matches the product connection method from the [Select port type] drop down list and click [OK].
 - For LAN or wireless LAN connection: [TCP/IP(LAN)]
 - For Bluetooth or RS-232C connection: [SERIAL(COM)]

[PARALLEL(LPT)] is not used.

Advanced Port Monitor Co	onfiguration	×
Port Type Selection Select port type:	SERIAL (COM)	~
		OK Cancel

- 6. Configure the port settings and click [OK].
 - If you selected [TCP/IP(LAN)]

Advanced TCP/IP Port Config	juration		×
Port Name <u>N</u> ame: LAN_			
TCP/IP Data			_
Printer Name or IP Address:			
Port Number:	91 00		
Timeout settings			
Enable download			
Printing:	200	ms	
Download:	7000	ms	
		OK Can	cel



- You cannot set the same name as an existing port name.
- The computer cannot communicate with the destination product if the [Printer Name or IP Address] and [Port Number] settings do not match those of the product.
- Click [OK] to check communications using the configured settings. If communications failed, the following screen appears.

Local Port	;	×
properly respond after	ailed because the connected party did not a period of time, or established connection ed host has failed to respond.	
	Cancel <u>T</u> ry Again <u>C</u> ontinue	

[Cancel]

Returns to the previous screen. Click this button to change [Printer Name or IP Address] or any other settings.

[Try Again]

Checks communications again.

[Continue]

Does not check communications and proceeds to the next step. Click this button when you want to continue with the port setup without checking communications with the product.

- Normally, you do not need to change [Port Number] (the default value on the product is also 9100).
- Normally, you do not need to change the timeout settings.
- The settings configured in the [Advanced TCP/IP Port Configuration] dialog box can also be changed after installing the printer driver by the following procedure:
 - 1. Open [Devices and Printers], right-click the desired product, and select [Printer properties].
 - 2. Click the [Ports] tab.
 - 3. Click [Configure Port].
- If you selected [SERIAL(COM)]

Advanced Serial Port Confi	iguratio	n			×
Port Name <u>N</u> ame: COM					
Serial Port Data					
Serial port:	COM1:	:	\sim		
Bits per second:	19200		\sim		
Data bits:	8		\sim		
Parity:	None		\sim		
Stop bits:	1		\sim		
Flow control:	None		\sim		
Timeout settings					
Enable download					
Printing:		200			ms
Download:		7000			ms
				ОК	Cancel

- You cannot set the same name as an existing port name.
- Select the same port as the connected product for [Serial port].
- For [Flow control], select [None].

D

7. Confirm that added port is selected and click [Next].

Print	ter Installation Wizard					
	Select Local Port Select the port your printer is o	connected to.			Q	
	Port	Туре		Configuration		^
	LPT1:	Printer Port				
	LPT2:	Printer Port				
	LPT3:	Printer Port				
	COM1:	Serial Port				
	COM2:	Serial Port				
	COM3:	Serial Port				
	COM4:	Serial Port				
	FILE:	Local Port				
	COM_CT4-LX	SATOV6 Advance	ed P			
	Desktop*.pdf	Adobe PDF				×
			<u>A</u> do	i Port	C <u>o</u> nfigure	
		l	<u>E</u> xit	< <u>P</u> revious	<u>N</u> e:	xt >

8. Click [Install].

Printer Installation Wizard		
Printer Options Please select printer opti	ons before installation.	
Printer name:	SATO CT4-LX 305dpi	
Driver version:	7.8.07.15941	
Port name:	COM_CT4-LX	
Select language:	English	~
I want to use this prin	ter as the Windows <u>d</u> efault printer	
	<u>E</u> xit < <u>P</u> revious	Install

If the same printer name exists, change [Printer name] and then click [Install]. When the [Windows Security] screen appears, click [Install].



9. Confirm that [succeeded] is displayed for the installed product and click [Exit].

Printer Installation Wizard	
Summary Operation completed. Please read the summary below.	Ð
Installed printers:	
Installation of SATO CT4-LX 305dpi (ver. 7.8.7.15941) on port COM_CT4-LXsucce	eded.
Install another printer	
	<u>E</u> xit

10. Open [Devices and Printers] and confirm that the product has been added to the list of printers.



What to do if the product is added under [Unspecified]

If the product is added under [Unspecified] in [Devices and Printers], it will not be recognized as a printer. Follow the procedure below to recognize it as a printer.

Devices and Printers			- 🗆 ×
\leftarrow \rightarrow \checkmark \Uparrow Hardware and Sound \Rightarrow	Devices and Printers	~ Ö	Search De ,0
Add a device Add a printer			E • 🕜
Keyboard V Printers (10)	Optical Mouse		^
S			
BRANK BRANK			
V Unspecified (1)			v
16 items			

1. Open [Devices and Printers], right-click the product added under [Unspecified], and select [Properties].



2. Select the [Hardware] tab.

SATO CT4-LX TT 305dpi Properties ×							
General Hardware							
SATO CT4-LX TT 305dpi							
-Device Informatio	n						
Manufacturer:	Un available						
Model:	SATO CT4-LX TT 305dpi						

SATO CT4-LX TT 305dpi Properties	×							
General Hardware								
SATO CT4-LX TT 305dpi								
Device Functions:								
Name	Туре							
SATOCT4-LX 305dpi	Software devi							
- Device Function Summary								
Manufacturer: Microsoft								
Location: on USB Printing Support								
Device status: This device is working properly.								
	Properties							
OK Can	cel <u>Apply</u>							

3. Select the product and click [Properties].

4. Click [Change settings].



5. Select the [Driver] tab.

SATOCT4	SATOCT4-LX 305dpi Properties					
General	Driver	Details	Events			
	SATOO	(T4-LX 3)	05 dpi			

6. Click [Update Driver].

SATOCT4-LX 305dpi Properties							Х
General	Driver	Details	Events				
	SATO	3T4-LX 3	05 dpi				
	Driver	Provider:	Micro	soft			
	Driver	Date:	6/21	/2006			
	Driver	Version:	10.0.1	7134.1			
	Digital Signer:			Microsoft Windows			
Dr <u>i</u>	ver Detai	s	View det	ails about	the installed drive	r files.	
Ugo	late Drive	èr 🛛	Update the driver for this device.				
Roll	Back Driv	ver			fter updating the usly installed drive		
Dise	able Devid)e	Disable t	he device.			
Unin	stall Devi	ce	Uninstal	the device	e from the system	n (Advaniced)).
					ОК	Cancel	

7. Click [Browse my computer for driver software].

	2
Update Drivers - SATOCT4-LX 305dpi	
How do you want to search for drivers?	
→ Search automatically for updated driver software Windows will search your computer and the Internet for the latest driver software for your device, unless you've disabled this feature in your device installation settings.	
→ Browse my computer for driver software Locate and install driver software manually.	
	Cancel

8. Click [Browse], specify the folder where the printer driver was extracted to, and click [Next].

		\times	
←	Update Drivers - SATOCT4-LX 305dpi		
	Browse for drivers on your computer		
	Search for drivers in this location:		
	C:\Users\		l
	✓ Include subfolders		l
	→ Let me pick from a list of available drivers on my computer This list will show available drivers compatible with the device, and all drivers in the same category as the device.		
	<u>N</u> ext Cance	I	

When the [Windows Security] screen appears, click [Install].



9. Click [Close].



10. Confirm that the product is displayed under [Printers] in [Devices and Printers].



Setting Up the Printer Driver

After installing the printer driver, set up the driver as necessary.

[Printing Defaults] (for all users) and [Preferences] (for individual users)

There are two driver settings: [Printing Defaults], which is applied to all users, and [Preferences], which is applied to users individually. While the settings and interface for [Printing Defaults] and [Preferences] is the same, behavior differs.

[Printing Defaults]

- This setting is used for an administrator to manage default values and settings of other users.
- Settings changed in [Printing Defaults] are applied to [Preferences] for other users.
- The default values for [Preferences] of newly added users are the settings for [Printing Defaults] at the time the user was added.

[Preferences]

- This setting is used to change individual user settings.
- Settings changed in [Preferences] do not affect the settings of other users. Settings changed in [Preferences] take priority over settings in [Printing Defaults].

Opening [Printing Defaults]

1. Open [Devices and Printers], right-click the icon of the desired product, and select [Printer properties].

	iters					-		\rightarrow
$\vdash \rightarrow - \uparrow [2]$	🕏 > Control Pane	I > Hardware and So	und > Devices and Printe	rs.	~ Ô	Search Devices an	d Printers	0,
Add a device	Add a printer	See what's printing	Print server properties	Remove device			-	6
Devices (6) -								
Printers (9) -								
-	\sim	-				-		
				3/ .			\sim	/
Adobe PDF	Fax	Microsoft Print	Microsoft XPS			100		
		to PDF	Document Writer			100		
	See what's print	ing						
	Set as default prin	-						
SATO CT4-	Printing preference	ces						
SATO CT4- 305dpi	Printing preference Printer properties							
	Printer properties							
	Printer properties Create shortcut							
	Printer properties Create shortcut Remove device	· · · · · · · · · · · · · · · · · · ·	4-LX 305dpi					

2. Click the [Advanced] tab and then [Printing Defaults].

🖶 SATO	CT4-LX	305dpi P	roperties						×
General	Sharing	Ports	Advanced	Color Management	Security	Driver Settines	About		
-	rays avai aila <u>b</u> le fr		12:00 AI	M 🔺 To	12:00	AM ×	1		
Priority	_	1	•				1		
Driver:		SATO CT	4-LX 305d	pi	~	Ne <u>w</u> Driver			
۵ <u>۶</u> ро	ol print	docume	nts so pro	gram finishes printi	ng faster				
		-	er last pag mediately	ge is spooled					
_		y to the							
<u> </u>	ld mism	atched d	ocuments	1					
🗹 Prin	nt spoole	ed docun	nents first						
<u> </u>	p printe	d docum	nents						
⊡ <u>E</u> na	ible adva	anced pri	nting feat	ures					
Pri	inting De	faults	P	ri <u>n</u> t Processor	Sepa	rat <u>o</u> r Page]		
					OK	Cance	1	Apply	Help

The [Printing Defaults] screen appears.

🖶 SATO CT4-LX 305dpi P	rinting Defaults			×
Printer Settings About				
Page Setup	Page Setup			NATU
Print Options				
Print Mode	Printer settings —			
Barcode Verifier	Stock:	Custom has ID 257		~
Graphic Options	Copies:	1		
Custom Commands	Media settings —			
Maintenance	<u>W</u> idth:	3.937 "		1
International	Height:	2.756 "		
	Media type:	N/A	\sim	153
	Media form:	N/A	\sim	
	Rotation:	0° - Portrait	~	153
	Mirror label			103
				153
		OK	Cancel	Apply Help

Opening [Preferences]

1. Open [Devices and Printers], right-click the icon of the desired product, and select [Printer properties].

Devices and Prin	ters					-		×
← → × ↑ 🛱 > Control Panel > Hardware and Sound > Devices and Printers v δ					Search Devices and Printer		s ,0	
Add a device	Add a printer S	ee what's printing	Print server properties	Remove device			-	0
Devices (6)								
Printers (9) —								
	~							
		S						
		\sim	\sim					-
Adobe PDF	Fax	Microsoft Print	Microsoft XPS		•	100	1.00	
		to PDF	Document Writer			-		
2	See what's printin Set as default print	-						
SATO CT4-	Printing preference							
305dpi	Printer properties							
	Create shortcut							
	screens arrents ar							
	Remove device							
•								
	Remove device	c1.	4-LX 305dpi					

2. Click the [General] tab and then [Preferences].

🖶 SATO CT4-LX	305dpi l	Properties						×
General Sharing	Ports	Advanced	Color Management	Security	Driver Settings	About		
3	SATO C	T4-LX 305d	рі]		
Location:]		
Comment:]		
	SATO C	T4-LX 305dj	pi					
Features Color: No			Paper availa	ble:				
Double-side Staple: No	d: No		Custom		^			
Speed: Unkn Maximum re		n: 305 dpi			~			
		P	rgferences	Prin	t <u>T</u> est Page]		
						_		
				OK	Cance	el Ap	ply	Help

The [Preferences] screen appears. [Printing Preferences] will be displayed on the title bar.

🖶 SATO CT4-LX 305dpi	Printing Preferences			×
Printer Settings About				
Page Setup	Page Setup			NATH
Print Options				
Print Mode	Printer settings -			
Barcode Verifier	Stock:	Custom has ID 257		~
Graphic Options	Copies:	1		
Custom Commands	Media settings —			
Maintenance	<u>W</u> idth:	3.937 "		1
International	Height:	2.756 "		
	<u>M</u> edia type:	N/A	~ 💌	153
	<u>M</u> edia form:	N/A	~ 💌	
	Rotation:	0° - Portrait	~	
	Mirror ļabel			153
				123
		OK	Cancel	Apply Help



٠

The settings in [Preferences] should be done by the administrator. If you change a setting value or add a printer port through someone other than the administrator, an error screen appears and the processes you operated are not reflected.

How to get administrator privileges

To change settings, and add and change ports, administrator privileges are required.

Procedure on OSs other than Windows Server 2008

- 1. Open [Devices and Printers], right-click the desired product, and select [Printer properties].
- 2. Click the [Sharing] tab and then [Change Sharing Options].

🖶 SATO CT4-LX 305dpi Properties	×
General Sharing Ports Advanced Color Management Security Driver Settings About	
You can share this printer with other users on your network. The printer will not be available when the computer is sleeping or turned off.	
Change Sharing Options	

The [Printer properties] screen will appear with administrator privileges.

What to do if [Change Sharing Options] is not displayed

Perform the procedure below to display the button. This procedure is performed in Windows 10 as an example. Depending on the settings of the Windows version that you are using, the menu layout may be different. You may also not be able to change settings.

- a. Open [Start icon] > [Windows System] > [Control Panel] > [Network and Internet] > [Network and Sharing Center].
- b. Select [Change advanced sharing settings].
- c. In [File and printer sharing], select [Turn off file and printer sharing] and click the [Save changes] button.

Procedure on Windows Server 2008

1. Open [Printers], right-click the desired product, and select [Run as administrator] > [Properties].



Settings on the [Driver Settings] Tab

You can configure various settings for the printer driver on the [Printer properties] > [Driver Settings] tab.

The settings on the [Driver Settings] tab are shared with all users who use the computer that the printer driver is installed on.
[Stocks]

You can register the media size, print speed, and other settings in a lump. By registering the settings in advance, you can easily configure settings in accordance with the media.

🖶 SATO CT4-LX 305dpi Pr	operties				×
General Sharing Ports	Advanced Color Management	Security Driver	Settings Abo	ut	
Stocks	Stocks				SATO
Fonts				/_//	
Driver Settings	Name	Width	Height	Speed	Darkness
Configure Printer					
Maintenance					
International					
	<u>N</u> ew <u>E</u>	dt	<u>D</u> elete		
	-	OK	Cancel	Apply	Help

[New]

Register a new stock.

[Edit]

Edit the details of registered stock.

[Delete]

Delete registered stock.

[Page Setup]

Stock			×
Page Setup	Page Setup		SATO
Print Options	Media settings — <u>N</u> ame: <u>W</u> dth: <u>H</u> eight: <u>M</u> edia type: <u>M</u> edia form:	Stock 1 3.937 " 2.756 " Labels with gaps Roll	EZL EZL LSZ

This screen is displayed when you click [New] or [Edit] on the [Stocks] screen.

[Name]

Set or edit the name of the stock.

[Width]

Set the media width that includes the liner.

[Height]

Set the media height that includes the liner.

[Media type]

For the sensor type to detect the top of the media, you can select [Labels with gaps], [Labels with black marks], or [Continuous labels].

If you select [Continuous labels], the top of the media will not be detected and only the print length will always be fed.

[Media form]

Set the media form as [Roll] or [Fanfold].

[Print Options]

Stock				×
Page Setup	Print Option:	s	SAT	0
Print Options				
	Print settings			
	Speed:	6.0 "/s 🗸]	
	Darkness:	5 ~]	
	D <u>a</u> rkness range:	A ~]	
	Printing mode:	Thermal transfer V]	
			OK Cance	si

[Speed]

This shows the print speed for the stock that you set on the [Page Setup] screen.

[Darkness]

This shows the print darkness for the stock that you set on the [Page Setup] screen.

You can set 10 levels, from [1] to [10]. The bigger the number, the darker the print result.

[Darkness range]

This shows the print darkness range for the stock that you set on the [Page Setup] screen. For details, refer to "CT4-LX Operator Manual".

[Printing mode]

This shows the printing mode for the stock that you set on the [Page Setup] screen. You can set [Thermal transfer] or [Direct thermal].

[Fonts]

🖶 SATO CT4-LX 305dpi Properties \times General Sharing Ports Advanced Color Management Security Driver Settings About Stocks NATO Fonts Fonts Name Туре Description **Driver Settings Configure Printer** Maintenance International Add -0K Cancel Apply Help

You can manage barcode fonts, command fonts, and substitution fonts on this screen.

[Add]

Select the fonts to add from [Barcode], [Command], and [Substitution].

[Edit]

Edit the settings of registered fonts.

[Delete]

Delete registered fonts.

Barcode font settings and use example

Barcode font is a feature that, by applying it on a string on documents in an application, converts that string to a barcode and prints it.

The string is not displayed as a barcode on the edit or preview screens in applications.

Barcode Font			×
Font settings			
Barcode:	JAN/EAN13	\sim	
Name:	Barcode font		
Description:			
Merge contents:	All text on the same line	\sim	
Strip trailing spaces			
Barcode settings			
Rotation:	0° ~		
Narrow bar width:	1 v dots		
Height:	0.5 "		
Human readable:	None ~		
Auto-generate chec	k digit		
	ОК	Cancel	Help

[Barcode]

Select a type of barcode or 2D code that you want to register.

[Name]

Set the name of the barcode font that you want to register. The name that you set here is displayed on the font list in the application.

[Description]

Enter the description of the barcode font that you want to register.

[Merge contents]

This setting is used to apply commands only the appropriate number of times to objects divided multiple times in lines or on the page.

[No merge]

Any special processing is not performed.

[All text on the same line]

Apply to text that have the same Y coordinates only once using the same font.

The result is that, even if one line of text is divided into multiple characters, it is applied only once.

[All text on the page]

Apply to all text on the same label only once using the same font.

This setting is used to apply commands to serial data like initialization and end processing only once.

[Rotation]

Select [0°][90°][180°], or [270°] as the angle to print barcodes and 2D codes.

[Narrow bar width]

Specify the bar width for narrow bars.

This setting may not appear depending on the barcode type.

[Height]

Specify the height of the barcode.

[Human readable]

Specify how to append human readable text (comments).

[Auto-generate check digit]

Selecting this check box enables a check digit to be automatically generated.

Barcode font use example

This example shows how to add the "Code-39" barcode font and use it in an application.

1. Open [Devices and Printers], right-click the product, and select [Printer properties].

2. Select [Fonts] on the [Driver Settings] tab and then select [Add] > [Barcode].

🖶 SATO CT4-LX 305dpi Pr	roperties		×
General Sharing Ports	Advanced Color Management Se	curity Driver Settings About	
Stocks	Fonts		SIATU
Fonts			
Driver Settings	Name Typ	Description	
Configure Printer			
Maintenance			
International			
	<u>A</u> dd ▼ <u>E</u> dt	Delețe	
	Barcode	OK Cancel	Analy Mala
	Command	Uancel	Apply Help
	Substitution		

3. Configure the following settings and click [OK]:

[Barcode]

[Code-39]

[Name]

E.g., "SATO_Code39"

Barcode Font Font settings		×
Barcode:	Code-39 V	
Name:	SATO_Code39	
Description:		
Merge contents:	All text on the same line \sim	
Strip trailing spaces		
Barcode settings		
Rotation:	0° ~	
Narrow bar width:	1 v dots	
Ratio:	1:2 ~	
Height:	0.5 "	
Human readable:	None ~	
Auto-generate chec	k digit	
	OK Cancel Help	

Seneral Sharing Ports	Advanced Color Manage	ment Security Dri	ver Settings About	
Stocks				SATO
Fonts	Fonts			
Driver Settings	Name	Туре	Description	
Configure Printer	Age SATO_Code39	Barcode		
Maintenance				
International				
	<u>A</u> dd ▼	Edit	Delețe	

4. Confirm that the name you set for the barcode font is registered and click [OK].

5. Start an application and specify the product that you set the barcode font for as the printer to be used.

👿 🗟 ビ) - び =	Document1 - Microsoft Word		-		\times
File Home Insert	Page Layout References Mailings Review	View Add-Ins	Just Right	Acrobat	۵ 🕜
I Save I Save As I Adobe PDFとして保存 II Close Info Recent	Print Copies: 1 Print Copies: 1 Printer SATO CT4-LX 305dpi Ready Printer Properties				
New Print	Print All Pages Print the entire document				
Save & Send	Pages: 0 Print One Sided				
Help	Collated 1,2,3 1,2,3 1,2,3				
🔀 Exit	Portrait Orientation 👻				
	•				
	Left: 30 mm Right: 30				-
	1 D D Cht	< 1 of ▶ 30%	•⊖-⊽		⊕ ⊡

6. Enter the text that you want to convert into a barcode in the application and specify [SATO_Code39] as the text font.



In this example, "12345" will be converted to a barcode. On the application, a line feed will be appended to the end of "12345". Set "12345" as the barcode font without the line feed.

7. Print the barcode.

The print result is shown below. The numbers "12345" specified as the CODE39 barcode font are printed as a CODE39 barcode.





- Some characters cannot be used and there are text length restrictions depending on the barcode type set as the barcode font. Moreover, if the settings are not configured correctly, the text may not be printed as a barcode. For the data specifications that correspond to the barcode type, refer to "CT4-LX Programming Reference."
- The string is not displayed as a barcode on the edit or preview screens in applications.
- If you cannot select registered barcode font in the application, make sure that the barcode font is registered in the product to be used for printing.
- The font size has nothing to do with the barcode size. Adjust the data so that it fits into the application layout.
- If the text converted to a barcode does not fit onto the page, it will not be printed. Adjust the position of the data on the application or adjust the barcode font settings so that the barcode fits onto the media.

Command font settings and use example

Command font is virtual font for directly sending commands to the product. You can use features that are not directly supported by the printer driver. Knowledge of SATO Barcode Printer Language (SBPL) command is necessary to use command font.

For details of SBPL commands, refer to "CT4-LX Programming Reference".

Command Font				×
Command font —				
Name:	Command font			
Description:				
Prefix				
Type:	No prefix	~		
Contents:				~
				>
	<			~
	×			
Suffix				
Туре:	No suffix	\sim		
Contents:				^
				>
	<			~
				-
Options				
Position:	Element position	~		
Merge contents:	All text on the same line	~		
		OK	Cancel	Help

[Name]

Set the name of the command font that you want to register. This name is displayed on the font list in the application.

[Description]

You can enter a description of the command font to be registered.

[Prefix][Suffix]

Specify how the text is to be supplied. The specified text can be appended to the front or the end of a command.

[No prefix]

A prefix is not used.

[No suffix]

A suffix is not used.

[File]

Prefixes and suffixes are loaded from an external file and appended to the data.

[Parsed file]

Prefixes and suffixes are loaded from an external file and appended to the data. Reserved variables can be included and are converted to data during printing.

[Text]

Prefixes and suffixes are appended directly as text.

[Parsed text]

Prefixes and suffixes are appended directly as text. Reserved variables can be included and are converted to data during printing.

[Position]

You can control the position that the command font is inserted into the print data.

[Before page]

The command is inserted before the page starts.

[Before elements]

The command is inserted after the page starts and in front of all objects.

[Element position]

The command is inserted at the position of the object.

[After elements]

The command is inserted after all the objects and before the page ends.

[After page]

The command is inserted after the page ends.

[Merge contents]

This setting is used to apply commands only the appropriate number of times to objects divided multiple times in lines or on the page.

[No merge]

Any special processing is not performed.

[All text on the same line]

Apply to text that have the same Y coordinates once using the same font. This setting is applied even if one line of text is divided into multiple characters.

[All text on the page]

Apply to all text on the same label once using the same font. This setting is used to apply text to serial data like initialization and end processing.

Command font use example

This example shows how to add X21 printer device font as the font name "SATO Command Font" and use it in an application.

1. Open [Devices and Printers], right-click the product, and select [Printer properties].

2. Select [Fonts] on the [Driver Settings] tab and then select [Add] > [Command].

🖶 SATO CT4-LX 305dpi l	Properties	\times
General Sharing Ports	Advanced Color Management Security Driver Settings About	
Stocks	Fonts	
Fonts	FOILS	
Driver Settings	Name Type Description	
Configure Printer		
Maintenance		
International		
	Add - Edt Dalate	
	Add Edt Delete Barcode	
	Command OK Cancel Apply	Help
	Substitution	

3. Configure the following settings and click [OK]:

[Command font]

[Name]: E.g., "SATO Command Font"

[Prefix]

[Type]: [Parsed text]

[Contents]: E.g., "<ESC>V<Y><ESC>H<X><ESC>X21,"

- <ESC> is 1B in hexadecimal.
- <ESC>, <Y>, and <X> can be entered with the keyboard. You can also select them from a list by clicking [>] on the right of [Contents].

[Suffix]

[Type]: [Text]

[Contents]: E.g., "678"

Command Font	×
Command font	
Name:	SATO Command Font
Description:	
Prefix	
Type:	Parsed text \checkmark
Contents:	<esc>V<y><esc>H<esc>X21</esc></esc></y></esc>
	>
	<
Suffix	
Туре:	Text ~
Contents:	678
	>
	✓
Options	
Position:	Element position \checkmark
Merge contents:	All text on the same line
	OK Cancel Help

General Sharing Ports Advanced Color Management Security Driver Settings About Stocks Fonts Fonts <td< th=""><th>ATU</th></td<>	ATU
Name Type Description Configure Printer Maintenance Maintenance	
Configure Printer Maintenance	
Configure Printer Maintenance	
Maintenance	
nternational	
<u>A</u> dd v <u>E</u> dt Delete	
Add ▼ Edit Delete	

4. Confirm that the command font is registered and click [OK].

5. Start an application and specify the product that you set the command font for as the printer to be used.



6. Enter the text in the application and specify [SATO Command Font] as the font.



7. Print the text.

The numbers "12345678" are printed in X21 font.



The content output as a command is as follows:



Prefixes and suffixes are not displayed on the edit or preview screens in applications.

Substitution font settings and use example

You can print by replacing the Windows system fonts with the product's device fonts when defining substitution fonts.



Use these fonts when you cannot select device fonts (they are not displayed) from the application font list.

You can also replace them with the barcode and command fonts that you added.

Substitution font use example

This section describes an example using substitution fonts.

- 1. Open [Devices and Printers], right-click the product, and select [Printer properties].
- 2. Display the [Driver Settings] tab, select [Fonts], and then select [Add] > [Substitution].

🖶 SATO CT4-LX 305dpi P	Properties	×
General Sharing Ports	Advanced Color Management Security Driver Settings About	
Stocks	Fonts	NATO
Fonts		
Driver Settings	Name Type Description	
Configure Printer		
Maintenance		
International		
	Add	
	Barcode	
	Command OK Cancel Apply	Help
	Substitution	

3. Configure the following settings and click [OK]:

Windows system fonts are displayed in the [System fonts] field and product device fonts are displayed in the [Printer fonts] field.

- [System fonts]: [Agency FB]
- [Printer fonts]: [SATO OCR A]



4. Confirm that the name you set for the substitution font is registered and click [OK].

🖶 SATO CT4-LX 305dpi P	Properties	×
General Sharing Ports	Advanced Color Management Security Driver Settings About	
Stocks	Fonts	
Fonts		-
Driver Settings	Name Type Description	
Configure Printer	Agency FB Substitution Substituted with: "SATO OCR A"	1
Maintenance		
International		
		-
	<u>A</u> dd ▼ <u>E</u> dit Delete	
	OK Oancel Apply Help	

5. Start an application and specify the product that you set the substitution font for as the printer to be used.

₩ ⊟ ") - ʊ ÷	Document1 - Microsoft Word	-		\times
File Home Insert	Page Layout References Mailings Review View Add-Ins	Just Right	Acrobat	۵ 🕜
Save Save As Save As Adobe PDF として保存 PDF Close Info Recent	Print Print Print Print Print Print Printer Printer Properties			•
New Print	Settings Print All Pages Print the entire document			
Save & Send	Pages: 0 Print One Sided			
Help	Collated 1,2,3 1,2,3 1,2,3			
Exit	Portrait Orientation			
	Left: 30 mm Right: 30 ↓ Door Door Chant	0% 🖂 – 🖓 —		•

6. Enter text into the application and change the text font to the Windows system font that you set as the substitution font, "Agency FB".



7. Print the text.

The font for "12345" is replaced by the substitution font that you set for the device font, "SATO OCR A," and printed.





•

The text is not displayed as the replaced device font on the edit or preview screens in applications.

[Driver Settings]

🖶 SATO CT4-LX 305dpi l	Properties ×
General Sharing Ports	Advanced Color Management Security Driver Settings About
Stocks	Driver Settings
Fonts	
Driver Settings	Override application default settings
Configure Printer	Aways use driver settings
Maintenance	
International	
	OK Cancel Apply Help

[Always use driver settings]

Enable this setting to discard all printer settings specified in the application and always use the settings on the printer driver.

Note that this setting cannot be used with some applications.

[Configure Printer]

You can acquire and change the settings of the product connected to the computer. To use this feature, the product needs to be available for printing from the computer using the printer driver.

🖶 SATO CT4-LX 305dpi P	roperties		×
General Sharing Ports	Advanced Color Manageme	ant Security Driver Settings About	t
Stocks	Configure Printe	er	SATO Î
Fonts	"Cood to printer" hutte	n modifies the default printer settings fo	une with other protontions
Driver Settings	Send to printer butto	n modifies the default printer settings to	r use with other applications.
Configure Printer		Get From Printer	Send To Printer
Maintenance	Media settings		
International	Label width:	3.937 "	
	Label height:	2.756 "	
	Media type:	Labels with gaps $\qquad \lor$	
	Print options		
	Top offset:	0 "	
	Left offset:	0 "	
	Speed:	6.0 "/s 🗸	
	<u>D</u> arkness:	5 ~	
	Darkness range:	A ~	
	Print method:	Thermal transfer V	
	Print operation mode:	Tear off 🗸 🗸	
	Tear off offset:	0 "	
	T# J.I	n * 100	~
		OK Cancel	Apply Help

[Get From Printer]

Acquires the setting from the product connected to the computer.

[Send To Printer]

The settings configured in this dialog is sent to the product.

[Maintenance]

🖶 SATO CT4-LX 305dpi P	Properties	×
General Sharing Ports	Advanced Color Management Security Driver Settings About	
Stocks Fonts	Current user	^
Driver Settings	Import and apply driver settings for the current user.	
Configure Printer	Only parameters that are supported by this printer will be used after importing the settings from another printer.	
Maintenance	Export Export current driver settings to file.	
International		
	Printing defaults	
	Import Import and apply driver settings for Printing Defaults. New users and users that have so far not applied any changes use Printing Defaults settings.	
	Only parameters that are supported by this printer will be used after importing the settings from another printer.	
	Export Export Printing Defaults driver settings to file.	
	Stream logging	
	Enable	
	Output directory: C:¥Users¥D000Y623¥Documents¥SATO¥Stream Logging¥	*
	OK Dancel Apply Help	

You can export or import printer driver settings to or from a file.

[Current user]

Export or import printer driver settings for an individual user.

[Import]

Load an exported settings file.

- The content of the imported file will be applied to the [Preferences] and [Driver Settings] tabs for accounts with administrator privileges.
- For accounts that do not have administrator privileges, the content of the imported file will only be applied to the [Preferences] tab.

[Export]

The settings on the [Preferences] and [Driver Settings] tabs will be saved to a file.

The file extension is ".drx".

[Printing defaults]

Export or import printer driver settings for all users.

[Import]

Load an exported settings file.

- The content of the imported file will be applied to the [Printing Defaults] and [Driver Settings] tabs for accounts with administrator privileges.
- This feature is not available for accounts that do not have administrator privileges.

[Export]

The settings on the [Printing Defaults] and [Driver Settings] tabs will be saved to a file. The file extension is ".drx".

[Stream logging]

This feature is used by SATO Technical Support. Do not select the [Enable] check box.

- For details of [Preferences] and [Printing Defaults], refer to "Printing Defaults (for all users) and Preferences (for individual users)".
 - Of the settings on the [Driver Settings] tab, the settings in [Configure Printer] cannot be imported or exported.

[International]

[Language]

Set the display language for the [Printing Defaults], [Preferences], [Driver Settings], and [About] tabs.

Settings on the [Configure Printer] Tab

Printer settings can be configured on [Printing Defaults] and [Preferences]. As the settings that can be configured are the same on both screens, this section will use preferences (print settings) to describe the settings.

[Help] is available on all screens. Click it to display a description of that screen.

Check box behavior

When a green or blue check box is to the right of a setting, they behave in the manner described below.

Print settings			
<u>S</u> peed:	6.0 "/s		~ 🗸
<u>D</u> arkness:	5		~ 🗸
D <u>a</u> rkness range:	N/A		~ 🗸
Printing mode:	N/A		~ 🗸
Offset			
Т <u>о</u> р:	N/A	* V	
<u>L</u> eft:	N/A	*	

Green check box

Selected:[Let printer control this option]

"N/A" will be displayed for the value of the setting. This setting value is not sent to the product and the product setting value is used. "N/A" will also be displayed for other settings that must be used in combination with this setting.

• Cleared: [Send this parameter to printer]

The setting values are sent to the product.

Blue check box

If you register stock in [Stocks] on the [Driver Settings] tab, this check box will be displayed on the right of the following items.

Media settings

[Width]

[Height]

Print settings

[Speed]

[Darkness]

If you select the stock to be used in [Stocks] on [Page Setup], you can change the above setting values all at once.

For details, refer to "Page Setup".

Blue check boxes are always on and cannot be turned off. However, if you select [Let printer control this option], the green check box is selected for the settings that can use the setting values on the product.

Print settings				
<u>S</u> peed:	6.0 "/s 🗸 🗸	V	\checkmark	Send this parameter to printer
<u>D</u> arkness:	5 ~	V		Let printer control this option
D <u>a</u> rkness range:	N/A ~	V	-	
Printing mode:	N/A 🗸	V		

[Page Setup]

🖶 SATO CT4-LX 305dpi P	rinting Preferences			×
Printer Settings About				
Page Setup	Page Setup			SATU
Print Options	Page Setup			
Print Mode	Printer settings			
Barcode Verifier	Stock:	Custom		~
	Custom stock H			
Graphic Options	<u>C</u> opies:	1		
Custom Commands	Media settings			
Maintenance	<u>W</u> idth:	3.937 "		1
International	Height:	2.756 "		
	<u>M</u> edia type:	N/A	~ 🗹	153
	Media form: Rotation:	N/A 0° - Portrait	 ✓ ✓ 	
	Mirror Label	0 Forda		153
				153
				March Kung
		OK	Cancel	Apply Help

[Stock]

Select the default stock from the registered stock. If you select [Custom], you can set [Width], [Height], and [Media type] on this screen.

[Custom stock has ID 257]

This check box enables compatibility with older SATO drivers that require a custom stock ID of greater than 256.

[Copies]

Specify the number of labels to be issued.

[Width]

This setting shows the width set for the stock that you selected. If you select [Custom] for [Stock], you can change the settings on this screen.

[Height]

This setting shows the height set for the stock that you selected. If you select [Custom] for [Stock], you can change the settings on this screen.

[Media type]

This setting shows the sensor set for the stock that you selected. If you select [Custom] for [Stock], you can change the settings on this screen. You can select [Continuous labels], [Labels with gaps], or [Labels with black marks].

[Media form]

Set the media form as [Roll] or [Fanfold].

[Rotation]

You can set the print rotation angle to [0°-Portrait], [90°-Landscape], [180°-Portrait], or [270°-Landscape].

[Mirror label]

You can specify printing to be a mirror image.

[Print Options]

🖶 SATO CT4-LX 305dpi P	rinting Preferences			×
Printer Settings About				
Page Setup	Print Options	5	SATU	^
Print Options Print Mode	Print settings			_
Barcode Verifier	Speed:	6.0 "/s	✓ 100	
barcoue venner	Darkness:	5	✓ III	
Graphic Options	Darkness range:	N/A		
Custom Commands	Printing mode:	N/A	\sim	
Maintenance	Offset			- 11
International	T <u>o</u> p:	N/A 🗘 🖉		
	<u>L</u> eft	N/A 🗘 🖉		
	Advanced settings			- 11
	Set fixed docur	ment length for continuous la	abel	
	Non-standard g	protocol output		
	Cancel all curre	ent and queued printing doc	uments	
	Send static ele	ments only on first page (Ov	rerlay function)	
		endar print command		
	Use legacy RF	ID locking command		
	Export to printer			~
		OK	Cancel Apply H	ielp

[Speed]

This shows the print speed for the stock that you set on the [Page Setup] screen. If you select [Custom] for [Stock] on [Page Setup], you can change the settings on this screen.

[Darkness]

This shows the print darkness for the stock that you set on the [Page Setup] screen. If you select [Custom] for [Stock] on [Page Setup], you can change the settings on this screen.

You can set 10 levels, from [1] to [10]. The bigger the number, the darker the ink.

[Darkness range]

This shows the print darkness range for the stock that you set on the [Page Setup] screen. For details, refer to "CT4-LX Operator Manual".

[Printing mode]

This shows the printing mode for the stock that you set on the [Page Setup] screen. You can set [Thermal transfer] or [Direct thermal].

[Top]

You can adjust the print base reference point in vertical direction (the height direction of the media).

[Left]

You can adjust the print base reference point in horizontal direction (the width direction of the media).

[Set fixed document length for continuous label]

Feed the entire label to an appropriate position after the product finishes printing. For a continuous label, the one label is the feed amount because the feed amount cannot be determined by the sensor.

[Non-standard protocol output]

Substitute and output part of the control code as ASCII readable characters. This feature is for host environments that cannot use binary data.

[Cancel all current and queued printing documents]

Delete all jobs from the printer buffer. Use this setting when you want to cancel the preceding jobs and print a new job immediately.



You cannot cancel this command. Take care when using it.

[Send static elements only on first page (Overlay function)]

All static elements will be sent to only the first page of the print job. Only variable elements will be sent for subsequent pages. Static elements are called from printer memory.

[Use legacy calendar print command]

This setting works when the printer driver is linked with the application software "NiceLabel". If the check box is selected, [ESC+WA] is used as the calendar print command, and if cleared, [ESC+WU] is used.

[Use legacy RFID locking command]

Enable this option to lock the RFID tag using the legacy "lck" command. If disabled, the "lc2" command is going to be used instead.

[Format number]

This setting is used when the XML-Enabled feature is used.

For details, refer to "XML-Enabled Reference."

[Print Mode]

🖶 SATO CT4-LX 305dpi Pr	inting Preferences		×
Printer Settings About	_		
Page Setup	Print Mode		SATU
Print Options	Philt Mode		
Print Mode	Backfeed		
Barcode Verifier	Operation mode:	N/A	\sim V
Graphic Options	<u>B</u> ackfeed mode: Backfeed offset:		~ 💌
Custom Commands	Pitch offset:	N/A V	
Maintenance			
	Cutter	N/A 🗸 🖌	
International	Cut every:	N/A 🕂 💟 labels	
		OK Cancel	Apply Help

[Operation mode]

Set the print mode. The available settings vary depending on the product model and attached options.

[Backfeed mode]

Specify the backfeed operation for the [Operation mode] setting. You can configure this setting when [Operation mode] is set to [Cutter]. Select [Before printing], [After printing], or [No Backfeed].

[Backfeed offset]

You can finely adjust the media stop position during backfeed operation.

[Pitch offset]

You can finely adjust the media stop position during forward feed operation.

[Type]

Specify how the cutter operates when [Operation mode] is set to [Cutter]. Select [Off], [Batch], or [Every label]. If you select [Batch], the page is cut at the end of the print job.

[Cut every]

Specify the number of pages to cut at when [Type] is set to [Every label].
[Graphic Options]

🖶 SATO CT4-LX 305dpi P	Printing Preferences	×
Printer Settings About	_	
Page Setup	Graphic Options	
Print Options		
Print Mode	Dithering	
Barcode Verifier	Photo Clipart	
Graphic Options		
Custom Commands		
Maintenance		
International		
	Tell me more about dithering	
	Printer graphic options	
	Graphics type: Binary V	
	OK Cancel Apply Help	

[Dithering]

Dithering is the process of expressing image gradation (for color or grayscale images) in the current image for thermal printers that can only express two colors, black and white, by juxtaposing pixels with a certain algorithm to create the illusion of half-tone. Select the dithering algorithm with this setting. You can view the result of applying the algorithm on the preview image. The size of the sent data will also change according to the setting. When considering the operational throughput, check the data size for each setting as well.

[Printer graphic options]

Specify the data format to send the graphics data to the product. Normally, specify [Binary].

[Custom Commands]

You can directly control the product by using custom commands. You can use features that are not directly supported by the printer driver. Knowledge of SATO Barcode Printer Language (SBPL) is necessary to use custom commands. For details of SBPL commands, refer to "CT4-LX Programming Reference".

🖶 SATO CT4-LX 305dpi Pr	rinting Preferences			×
Printer Settings About				
Page Setup Print Options	Custom Com	nmands		^
Print Mode	Before print job —			
Barcode Verifier	Type: Contents:	Empty	~	^
Graphic Options		<		>
Custom Commands Maintenance	Before first page —			
International	Туре:	Empty	\sim	
International	Contents:			\$ >
		<		>
	Before each page -			
	Type:	Empty	~	
	Contents:			\$ >
		<		>
	Before elements on	each page		
	Type:	Empty	~	~
		OK	Cancel Apply	Help

Custom command insert position

[Before print job]

Insert a command before a new print job. This setting affects all print jobs.

[Before first page]

Insert a command at the top of the first page in one file of data.

[Before each page]

Insert a command at the beginning of each page in one file of data.

[Before elements on each page]

Insert a command before an element on each page in one file of data.

[After elements on each page]

Insert a command after elements on each page in one file of data.

[After each page]

Insert a command at the end of each page in one file of data.

[After last page]

Insert a command at the end of the last page in one file of data.

[After print job]

Insert a command after the print job finishes.

Туре

[Empty]

Do not use custom commands.

[File]

Load a custom command from the specified file.

[Text]

Enter the custom command directly into the [Contents] field.

[Parsed text]

Enter the custom command directly into the [Contents] field. You can enter control text as a substitute entry.

[Parsed file]

Load a custom command from the specified file. You can enter control text into the file as a substitute entry.

Output example of a custom command using an application

When printing a print layout created in an application (when outputting as a SBPL command), the custom command is inserted into each position according to the custom command insertion position setting in the printer driver.

The below figures show the print layout in an application and the custom command insertion position when the print settings are used.

👿 🖟 - ヴ - ヴ 🕫	Document1 - Microsoft Word	-		×
File Home Insert Pa	ge Layout References Mailings Review View Add-	Ins Just Right	Acrobat	۵ 🕜
 J Save Save As ⇒ Adobe PDFとして保存 2 Open 	Print Copies: 3 C			*
😭 Close	Printer 💿 🚔	Test		
Info	SATO CT4-LX 305dpi + Ready			
Recent	Printer Properties			
New	Settings			
Print	Print All Pages Print the entire document			
Save & Send Help	Pages: Print One Sided Only print on one side o			
Dotions	Collated 1,2,3 1,2,3 1,2,3			
Exit	Portrait Orientation			4
	Normal Margins Left: 30 mm Right: 30▼ ■ 1 0f ▶	30% — .		

• "Test" in the print layout is set to "SATO X24" device font (the SBPL command is <X24>).

-

• The number of copies is set to [3].

r

(a)
<a><a3>+000H+000<cs>6<#F>5<a1>V00799H0799<z></z></a1></cs></a3>
(b)
(c)
<a>
<ps><wk>Microsoft Word -</wk></ps>
(d)
<h>0241<v>00308<x24>.0Test</x24></v></h>
(e)
<0>1
42
0
.,
(c)
<a>
<ps><wk>Microsoft Word -</wk></ps>
(d)
<h>0241<v>00308<x24>,0Test 2nd copy</x24></v></h>
(e)
<0>1
(1)
.,
(c)
<a>
<ps><wk>Microsoft Word -</wk></ps>
(d)
<h>0241<v>00308<x24>.0Test</x24></v></h>
(e)
<0>1
<2>
(1)
(g)
(h)

Symbols (a) through (h) in the figure correspond to the following custom command insertion position:

• (a) Before print job

- (b) Before first page
- (c) Before each page
- (d) Before elements on each page (e) After elements on each page
- (f) After each page
- (g) After last page (h) After print job

[Maintenance]

🖶 SATO CT4-LX 305dpi P	rinting Preferences		×
Printer Settings About			
Page Setup Print Options Print Mode	Maintenance Reset to driver defaults		
Barcode Verifier	<u>R</u> eset	Reset all driver settings to their default values.	
Graphic Options			
Custom Commands			
Maintenance			
International			
		OK Cancel Apply He	elp

[Reset]

Returns the printer driver settings to their default values.

[International]

🖶 SATO CT4-LX 305dpi	Printing Preferences	×
Printer Settings About		
Page Setup	International	
Print Options		
Print Mode	Units: inch 🗸	
Barcode Verifier	Open system regional settings	
Graphic Options		
Custom Commands		
Maintenance		
International		
	OK Cancel Apply	Help

[Units]

Select the units to be used for the printer driver settings.

Sharing the Product

You can share a product connected directly to a computer on the network with other computers.

Connecting When Using the Printer Driver with Sharing Settings

Connection Method

The figure below shows how to connect when using the printer driver with sharing settings.



Set one computer (PC-0) as the print server and set other computers (PC-1, PC-2, PC-3, and so on) as clients. All computers should be connected using a LAN connection and the print server and product should be connected via USB, RS-232C, Bluetooth or LAN.

Procedure to configure printer driver sharing settings

To use the printer driver with sharing settings, follow the steps below:

- Install the printer driver Install the printer driver on the print server and client computers. Refer to "<u>Installing the printer driver on the print server</u>" and "<u>Installing the printer driver on the client computers</u>".
- 2. Confirm that a label can be output correctly from the product connected to the print server
- Configure the sharing settings on the product connected to the print server Refer to "<u>Configuring Sharing Settings on the Print Server Printer</u>".
- Specify the product connected to the print server setup for sharing as the output destination port for the client printer and turn off bidirectional communication on the client printer Refer to "<u>Configuring Sharing Settings on the Client Printer</u>".

Restrictions

When you use the printer driver with sharing settings, the following restrictions occur because bidirectional communication is disabled on the client:

- Errors that occur on the product, such as "Out of Paper," cannot be recognized.
- You cannot use [Get From Printer] and [Send To Printer] under [Configure Printer] on the [Printer Properties] > [Driver Settings] tab in the printer driver.
- The settings you change on the [Preferences] > [Configure Printer] in the printer driver cannot be sent to the product (when the green check box is not selected).

Installing the printer driver on the print server

Download the printer driver from the SATO download site in advance. For details, refer to "<u>Preparing</u> the Printer Driver".

- 1. Connect the product to the print server by either of the following methods and install the printer driver.
 - For USB interface connection Refer to the following.
 - <u>Connecting via USB cable</u>
 - Installing the driver when connected via USB
 - For LAN interface connection Refer to the following.
 - <u>Connecting via LAN cable</u>
 - Installing the driver when connected via LAN cable or wireless LAN
 - For Bluetooth interface connection Refer to the following.
 - <u>Connecting via wireless LAN or Bluetooth (when the optional wireless LAN/Bluetooth kit is installed)</u>
 - Installing the driver when connected via Bluetooth
 - For RS232-C interface connection Refer to the following.
 - Connecting via RS-232C cable (when the optional RS-232C kit is installed)
 - Installing the driver when connected via RS-232C

Installing the printer driver on the client computers

Download the printer driver from the SATO download site in advance. For details, refer to "<u>Preparing</u> the Printer Driver".

1. Double-click PrnInst.exe.

The printer installation wizard starts.

2. Click [Next].



3. Click [Install Printer Driver].



4. Click [Local Port].



5. Select the product and click [Next].

Printer Installation Wizard Select Printer Please select the printer that you would like to install.	
SATO CT424i SATO CT4-ex-RF TT305 SATO CT4-LX 203dpi SATO CT4-LX 305dpi SATO CW408	^
SATO CZ408 SATO CZ412 SATO DR308e SATO FX3-LX DT305-Ln SATO GL408e SATO GL412e	
SATO GT408e SATO GT412e SATO GT424e SATO GY412T	*
<u>E</u> xit < <u>P</u> revious	<u>N</u> ext >

6. Select an LPT or COM port ([COM1] here) and click [Next].

	ur printer is connected to.		6
Port	Туре	Configuration	^
LPT1:	Printer Port		
LPT2:	Printer Port		
LPT3:	Printer Port		
COM1:	Serial Port		
COM2:	Serial Port		
COM3:	Serial Port		
COM4:	Serial Port		
			~

7. Click [Install].

Printer Installation Wizard		
Printer Options Please select printer opti	ons before installation.	
Printer <u>n</u> ame:	SATO CT4-LX 305dp	
Driver version:	7.8.07.15941	
Port name:	COM1:	
Select language:	English	\sim
I want to use this prin	ter as the Windows <u>d</u> efault printer	
	<u>E</u> xit < <u>P</u> revious	İnstall

When the [Windows Security] screen appears, click [Install].

📰 Windows Security	<
Would you like to install this device software?	
Name: SATO printer driver Publisher: SATO CORPORATION	
Always trust software from "SATO CORPORATION".	
You should only install driver software from publishers you trust. <u>How can I decide</u> <u>which device software is safe to install?</u>	

8. Confirm that [succeeded] is displayed for the installed product and click [Exit].



9. Open [Devices and Printers] and confirm that the product has been added to the list of printers.



Install the printer driver on all client computers using the above procedure.

Configuring Sharing Settings on the Print Server Printer

Set the printer driver installed on the print server to enable it to be shared with other computers.

1. Open [Devices and Printers], right-click the installed printer driver, and select [Printer properties].



2. Select the [Sharing] tab.



3. Select the [Share this printer] check box and click [OK].

If necessary, change [Share name].

🖶 SATO	CT4-LX	305dpi l	Properties						×
General	Sharing	Ports	Advanced	Color Managemen	Security	Driver Settings	About		
\$				r with other user: ble when the con			I		
	Chare thi are name <u>R</u> ender p List in th	s SAT	O CT4-LX 3						
-0	rivers								
	If this pri Window	s, you m not hav	ay want to	users running diff install additional e print driver whe	drivers, so	that the nect to the			
					ОК	Canc	el .	Αρρίγ	Help

4. Open [Devices and Printers] and confirm that the printer sharing settings have been set.



Configuring Sharing Settings on the Client Printer

Configure the sharing settings on the printer driver installed on the client.

1. Open [Devices and Printers], right-click the installed product, and select [Printer properties].



2. For accounts that do not have administrator privileges, click the [Sharing] tab and then [Change Sharing Options].



Follow the on-screen instructions.

3. Select the [Ports] tab.

🖶 SATO CT4-LX	305dpi Properties					×
General Sharing	Ports Advanced	Color Management	Security	Driver Settings	About	
\$	SATO CT4-LX 305d	lpi]	
Location:]	

4. Click [Add Port].

🖶 SATO CT4-I	LX 305dpi Properties						×
General Sharin	Ports Advanced	Color Management	Security	Driver Settin	nes About		
S 5.	ATO CT4-LX 305dpi						
Print to the f checked por	ollowing port(s). Doo t.	uments will print to	o the first f	ree			
Port	Description	Printer			^		
LPT1:	Printer Port	WebWork	s Rasterize	r			
LPT2:	Printer Port						
LPT3:	Printer Port						
COM1:	Serial Port						
	Serial Port Serial Port						
COMIS:	SenarPort			>	~		
Add F	Port	Delete Port	Conf	igure Port			
	directional support						
E <u>n</u> able pri	inter pooling						
			OK	0	ancel	Apply	Help

5. Select [Local Port name] and then click [New Port].

Printer Ports	×
<u>A</u> vailable port types:	
Adobe PDF Port Monitor	
Local Port	
SATOV6 Advanced Port Monitor	
Standard TCP/IP Port	
<u>N</u> ew Port Type	New <u>P</u> ort Close

6. Into the port name field, enter "\\<Print_Server_Computer_Name> \<Printer_Sharing_Name>" and then click [OK].

Port Name	×
<u>E</u> nter a port name:	ОК
1	Cancel

For example, if the print server computer name is "PC-0" and the printer sharing name is "SATO CT4-LX", enter the following:

\\PC-0\SATO CT4-LX

• On Windows 10, you can check the computer name by clicking [Control Panel] > [All Control Panel Items] or [System and Security] > [System] > [Computer name].

7. Click [Close].

Ø

Printer Ports	×
<u>Available port types:</u>	
Adobe PDF Port Monitor	
Local Port	
SATOV6 Advanced Port Monitor	
Standard TCP/IP Port	
<u>N</u> ew Port Type	New <u>P</u> ort Close

8. Clear the [Enable bidirectional support] check box and click [Close].

📾 SATO CT4-LX 305dpi Properties	×
General Sharing Ports Advanced Color Management Security Driver Settings About	
SATO CT4-LX 305dpi	
Print to the following port(s). Documents will print to the first free checked port.	
Port Description Printer ^ COM SATOV6 Advanced Po	
Add Port Delete Port Configure Port Add Port Enable bidirectional support Enable printer pooling	
Close Cancel Apply H	lelp

Updating the Printer Driver

Update the installed printer driver to the latest version.

- 1. Saving the current printer driver data
- 2. Updating the printer driver
- 3. Importing an exported file

Saving the current printer driver data

- 1. Open [Devices and Printers], right-click the product for which you want to update the driver, and select [Printer properties].
- 2. Click the [Driver Settings] tab.
- 3. On [Maintenance], export the current driver settings.

For details of how to export the settings, refer to "Maintenance" .

Updating the printer driver

Download the printer driver from the SATO download site in advance. For details, refer to "<u>Preparing</u> the Printer Driver".

1. Double-click PrnInst.exe for the update version.

The printer installation wizard starts.

2. Click [Next].



3. Click [Update Printer Drivers].



4. Select the printer to update and click [Update].

Printer Installation Wizard								
Update Printer Driver Updates one or more already installed printer drivers.								
Select printer drivers that v Drivers that share files will								
Printer name	Installed version	New version						
SATO CT4-LX 305dpi	7.8.7.15941	7.8.7.15941						
	<u>E</u> xit	< <u>P</u> revious <u>U</u> pdate						

The printer drivers will start updating.

5. Confirm that [succeeded] is displayed for the installed printers and click [Exit].



Importing an exported file

- 1. Open [Devices and Printers], right-click the product for which you exported the printer driver data, and select [Printer properties].
- 2. Select the [Driver Settings] tab.
- 3. On [Maintenance], import the driver settings that you saved before updating the driver.

For details of how to import settings, refer to "Maintenance".

Uninstalling the printer driver

Check the following items before uninstalling the printer driver.

- Uninstall the printer driver with the "PrnInst.exe". If PrnInst.exe is not on the computer, obtain it from the SATO download site (http://www.satoworldwide.com/software/gallerydriver.aspx). For the detail, refer to "Preparing the Printer Driver".
- When uninstalling the printer driver of a product connected to a computer via USB, turn off the product's power and disconnect the USB cable connecting the product from the computer.
- Do not use [Remove device] in [Devices and Printers]. The printer driver may not be uninstalled correctly.
- 1. Double-click PrnInst.exe.
- 2. Click [Next].
- 3. Click [Uninstall Printer Drivers].

Printer Installation Wizard	
Installation Options Please select one of the driver installation or removal options.	2
→ Install Printer Driver Installs printer driver.	
→ Up <u>d</u> ate Printer Drivers Updates one or more already installed printer drivers.	
→ Uninstall Printer Drivers Uninstalls one or more printer drivers.	
→ <u>Remove Preloaded Drivers</u> Removes preloaded drivers.	
<u>E</u> xit < <u>P</u> revious <u>N</u> ext >	

4. Select the check box of the printer driver that you want to uninstall and click [Next].



The uninstallation procedure starts.

5. Confirm that [succeeded] is displayed for the uninstalled product and click [Exit].

Printer Installation Wizard	
Summary Operation completed. Please read the summary below.	
Uninstalling following printer(s) from the system: - SATO CT4-LX 305dpisucceeded.	
<u>E</u> xit]

Removing the Printer Driver Data File

When the printer driver is installed, the printer driver data file is also installed. Even if you uninstall the printer driver, the printer driver data file remains on the computer. If the printer driver data file exists, you can install the printer driver with Plug and Play.

Once you have uninstalled all printer drivers and you do not intend to install the printer driver with Plug and Play in the future, remove the printer driver data file.

1. Double-click PrnInst.exe.

2. Click [Next].

3. Click [Remove Preloaded Drivers].

Printe	Printer Installation Wizard						
In	Please select one of the driver installation or removal options.						
	→ Install Printer Driver Installs printer driver.						
	ightarrow Up <u>d</u> ate Printer Drivers No suitable printer driver is already installed.						
	→ <u>U</u> ninstall Printer Drivers No installed printer found.						
	→ <u>Remove Preloaded Drivers</u> Removes preloaded drivers.						
	<u>E</u> xit < <u>Previous</u> <u>N</u> ext >						

4. Select the check box for the printer driver data that you want to delete and click [Next].



If a security warning screen indicating that another process is blocking access appears, follow the on-screen instructions.

The removal procedure starts.

5. Confirm that [succeeded] is displayed for the deleted driver and click [Exit].



Checking the Printer Driver Version

Use the latest version of the printer driver. You can check the version of the printer driver installed on your computer anytime.

The topics here explain the method in two cases.

- Normally (for users which want to check the version of the installed printer driver)
- When configuring the printer driver settings (for the administrator or users which want to check the version of the printer driver during configuring it)

Checking the Printer Driver Version (Normally)

The following shows how to check the version of the installed printer driver.

1. Open [Devices and Printers], right-click the desired product, and select [Printer properties].



2. Select the [About] tab.

🖶 SATO	CT4-LX	305dpi P	Properties					×	
General	Sharing	Ports	Advanced	Color Management	Security	Driver Settings	About		
3	[sato c	T4-LX 305d	pi					
Locatio	on:								

Version information is shown.



[Version]

This is the version of the currently installed printer driver.

[For details visit]

This is the URL for our website on which you can download printer drivers and manuals. If you are connected to the Internet, you can click the URL to display the website.

Checking the Printer Driver Version (When Configuring the Printer Driver Settings)

The following shows how to check the version of the printer driver when configuring Printing Defaults of Preferences after installing the printer driver.

1. Open [Devices and Printers], right-click the desired product, and select [Printer properties].



- 2. Show the driver settings screen.
 - When configuring Printing Defaults (for administrators to manage default settings of all users)

Click the [Advanced] tab and then [Printing Defaults].

🖶 SATO CT4	I-LX 305dpi Properties	×
General Sha	ring Ports Advanced Color Management Security Dri	iver Settings About
Always		
⊖ Availa <u>b</u> l	e from 12:00 AM To 12:00 AM	· N
Priority:	1	
Driver:	SATO CT4-LX 305dpi V	w Driver
Spool pr	rint documents so program finishes printing faster	
⊖ S <u>t</u> art	t printing after last page is spooled	
Start	t printing immediately	
⊖ Print <u>d</u> ir	ectly to the printer	
Hold mi	ismatched documents	
Print sp	ooled documents first	
Keep pri	inted documents	
Enable a	advanced printing features	
Printing	g Defaults Print Processor Separato	pr Page
	ОК	Cancel Apply Help

• When configuring Preferences (for users to change the Printing Defaults settings individually)

Click the [General] tab and then [Preferences].

🖶 SATO CT4-L	X 305dpi I	Properties						×
General Sharin	e Ports	Advanced	Color Management	Security	Driver Settings	About		
\$	SATO C	T4-LX 305d	pi]		
Location:]		
<u>C</u> omment:								
M <u>o</u> del: Features	SATO C	T4-LX 305dj	pi]		
Color: No			Paper availa	ble:				
Double-sid Staple: No Speed: Unk	nown		Custom		^			
Maximum	resolutior		rgferences	Prin	v t <u>T</u> est Page			
				ОК	Cance	ŧI	Apply	Help

3. Select the [About] tab.



Version information is shown.



[Version]

This is the version of the currently installed printer driver.

[For details visit]

This is the URL for our website on which you can download printer drivers and manuals. If you are connected to the Internet, you can click the URL to display the website.



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