

Printer Driver Manual

For printer model:

CT4-LX



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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 "[Preparing the Printer Driver](#)".

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 "[Connecting via wireless LAN or Bluetooth \(when the optional wireless LAN/Bluetooth kit is installed\)](#)".
- When connected the product via RS232-C, refer to "[Connecting via RS-232C cable \(when the optional RS-232C kit is installed\)](#)".

3. Install the printer driver

Install the printer driver on the computer.

- When connected the product via USB, refer to "[Installing the driver when connected via USB](#)".
- When connected the product via a LAN or wireless LAN, refer to "[Installing the driver when connected via LAN cable or wireless LAN](#)".
- 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

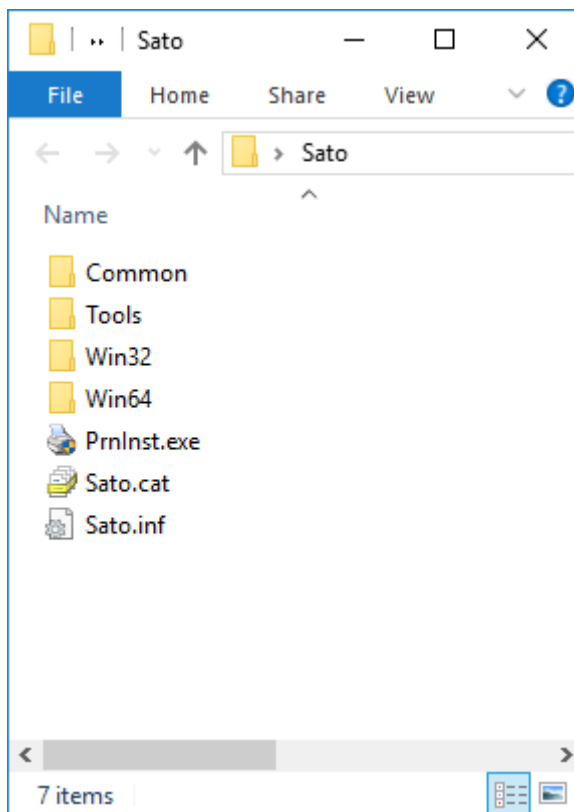
- Before starting the installation, close all applications.
- When you do the printer driver setup, the properties settings, or the print settings, log in with Administrator Privilege.
- If the terminal service is being started with Windows Server 2008, or the remote desktop service is being started 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.
-

Connecting the Product to the Printer

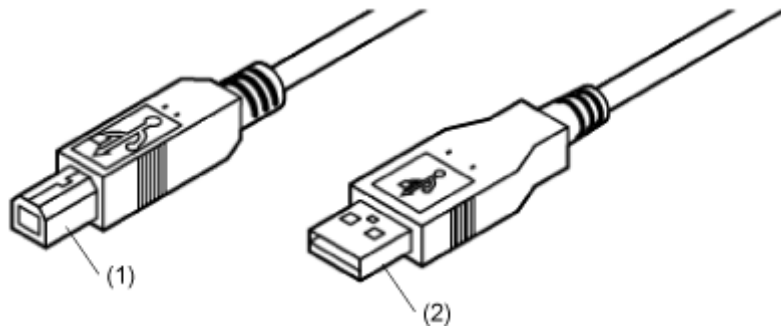
Before installing the printer driver, connect the product to the computer.



- Power off the product before connecting to the computer.
-

Connecting via USB cable

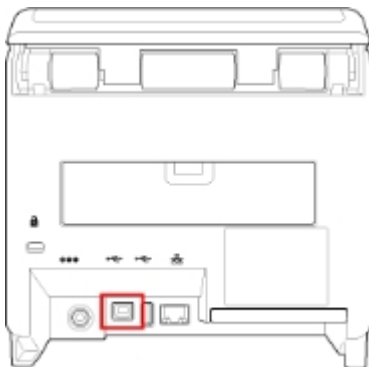
One end of the cable to connect the product must be Type B (1) and the other end Type A (2) with a length of less than 5 meters.



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.

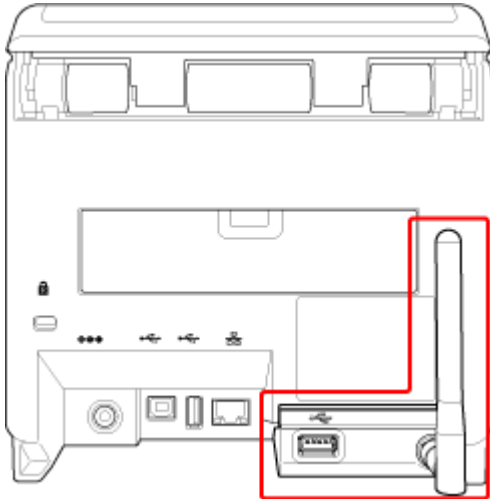


3. **Connect the LAN cable according to your network environment.**
4. **Configure the network settings.**

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 "[If the printer driver is unavailable at the Windows Update Site \(Manual installation\)](#)".

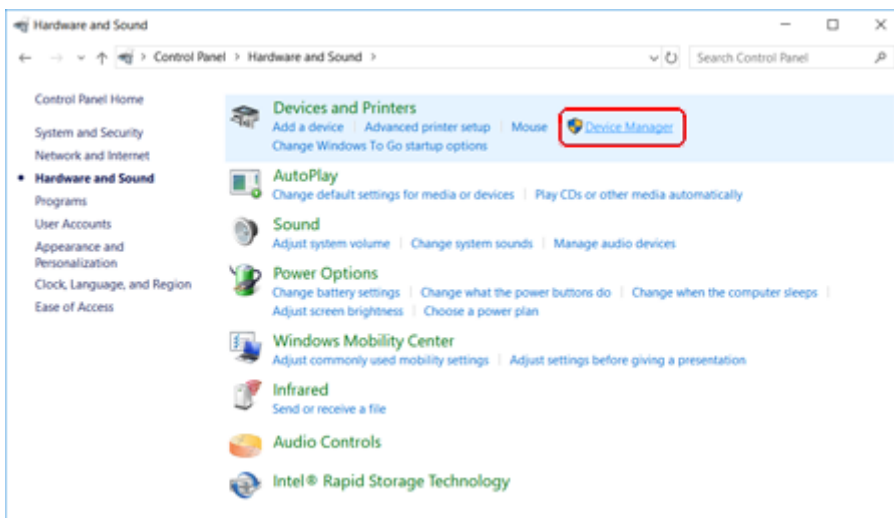
After installing the printer driver for the first product, the printer driver for the second and additional products will be automatically installed when the products are connected to the computer and powered on. However, the name of the printer drivers will be "driver name (1)", "driver name (2)", etc. 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)

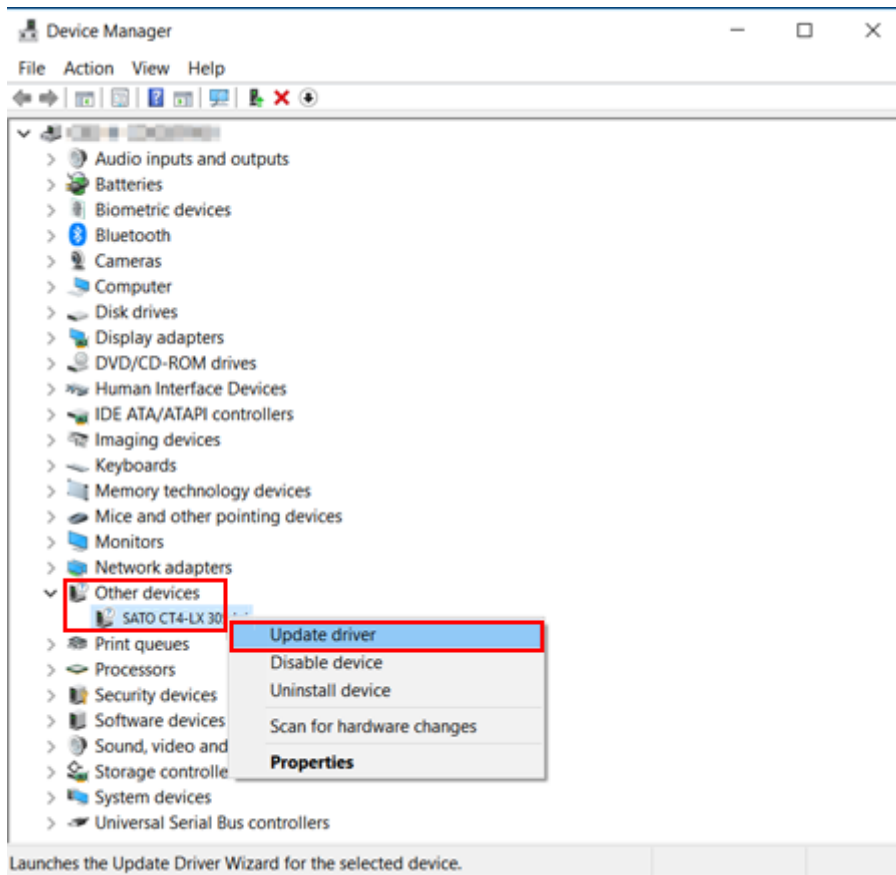
Follow these steps to install a printer driver using the manual Windows Add a Printer procedure.

If the printer driver is unavailable at the Windows Update site, download the printer driver to the local disk. For details, refer to "[Preparing the Printer Driver](#)".

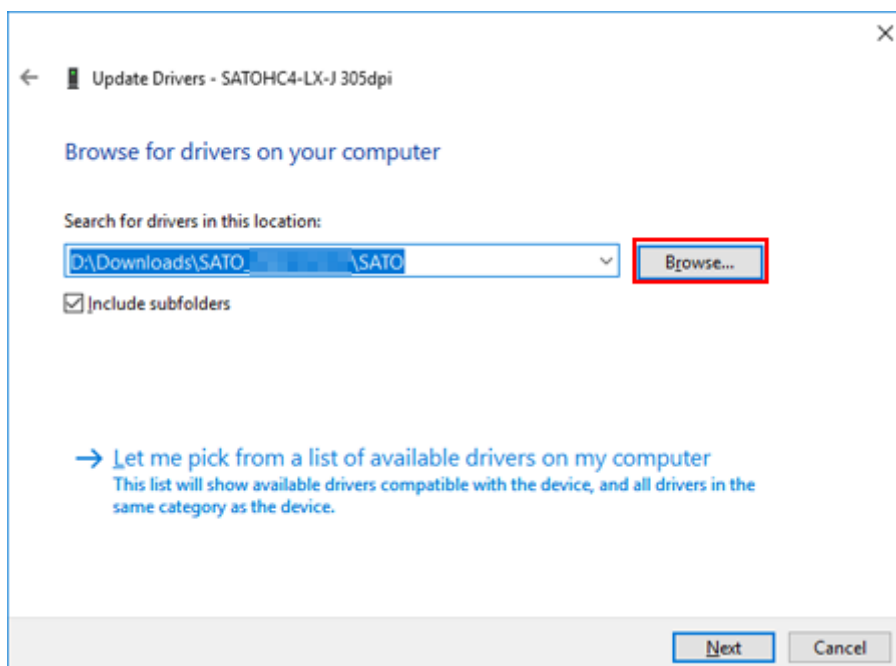
1. Open [Control Panel] and click [Hardware and Sound] > [Devices and Printers] > [Device Manager].



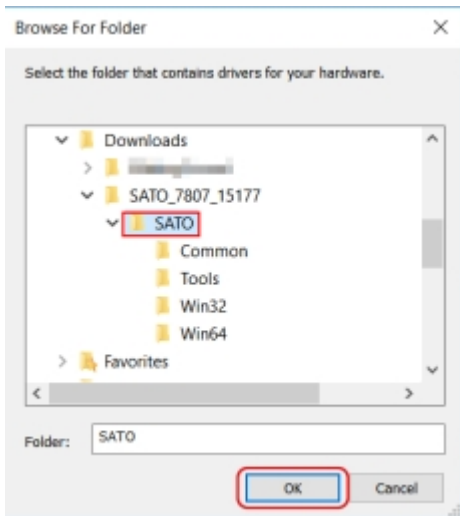
2. Expand the node [Other devices] to show the installed printer, then right-click the printer and select [Update Driver].



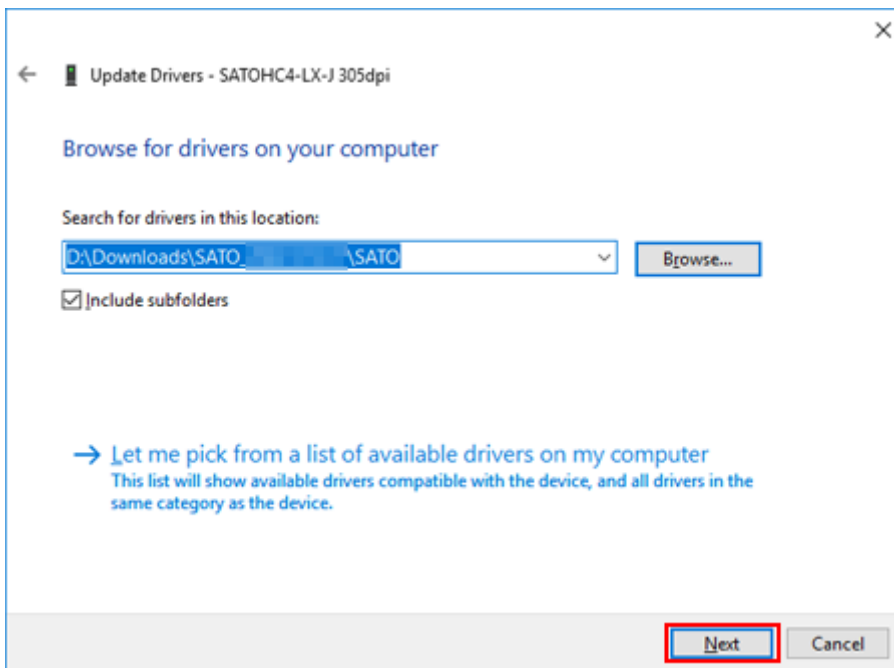
3. At the message [How do you want to search for drivers?], select [Browse my computer for driver software].
4. Click [Browse] and search for the driver folder that you have downloaded.



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

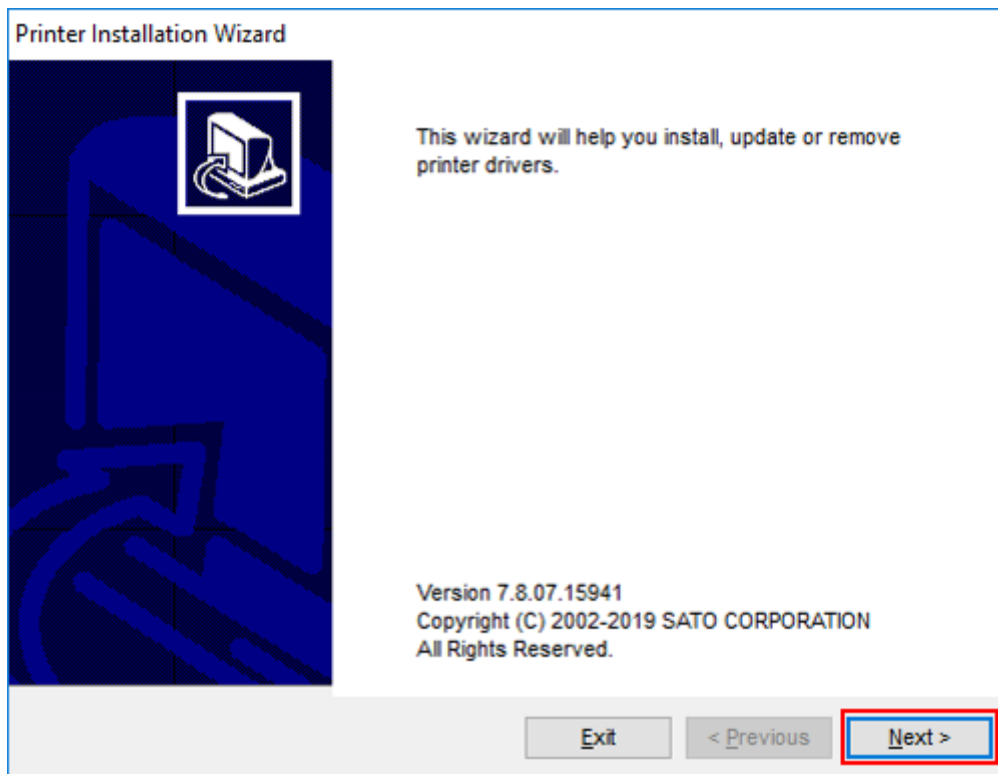


6. Click [Next]. Wait for the driver to be updated/installed accordingly.

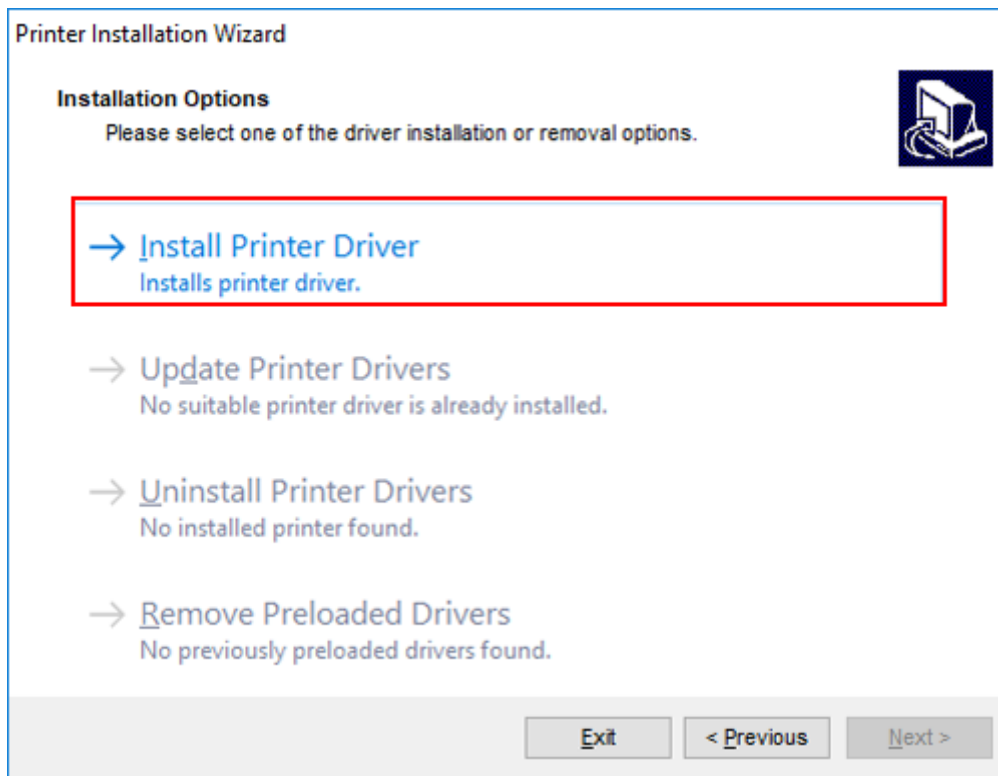


Installing the driver when connected via LAN cable or wireless LAN

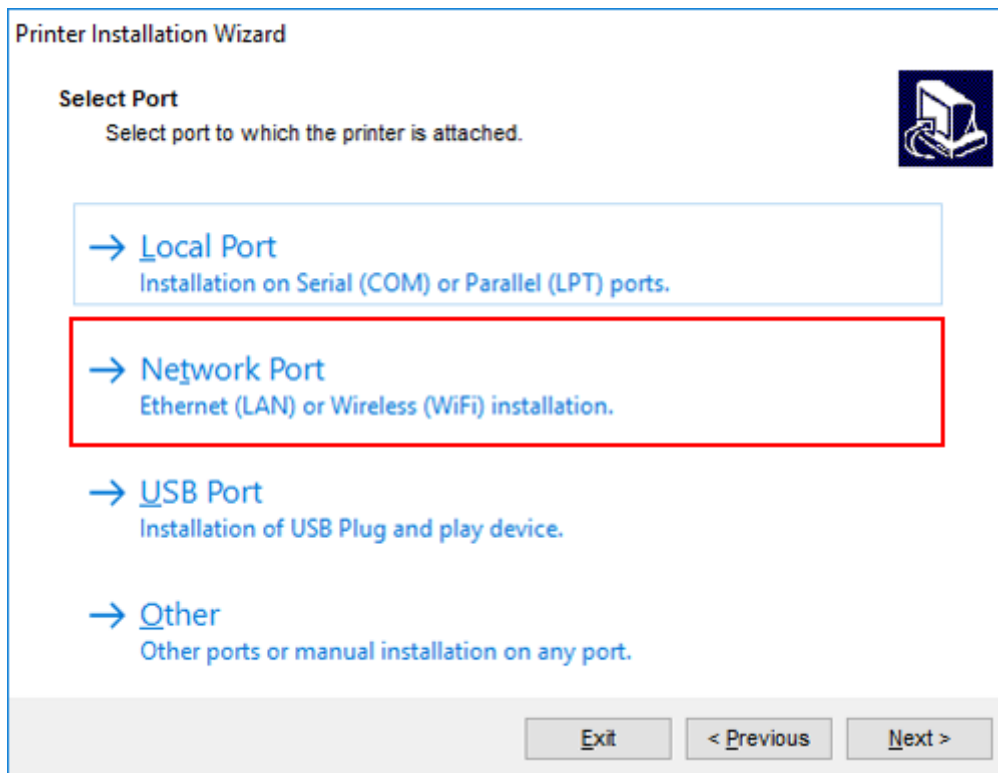
1. Power on the product and confirm that it is connected to the network.
2. Double-click PrnInst.exe.
The printer installation wizard starts.
3. Click [Next].



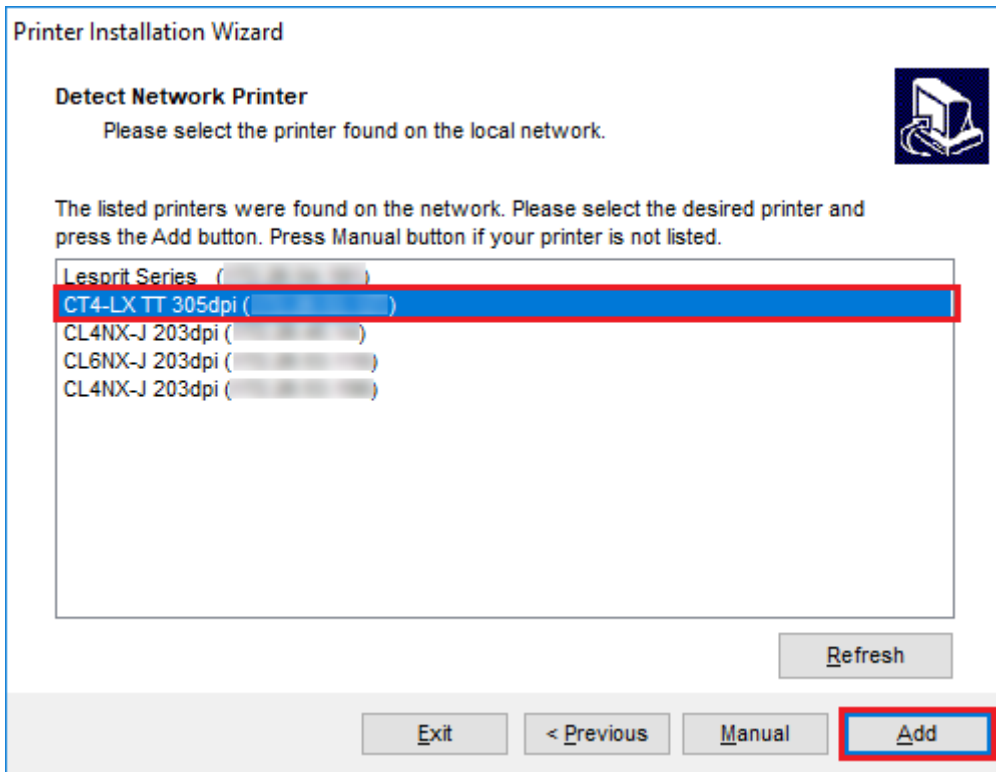
4. Click [Install Printer Driver].



5. Click [Network Port].



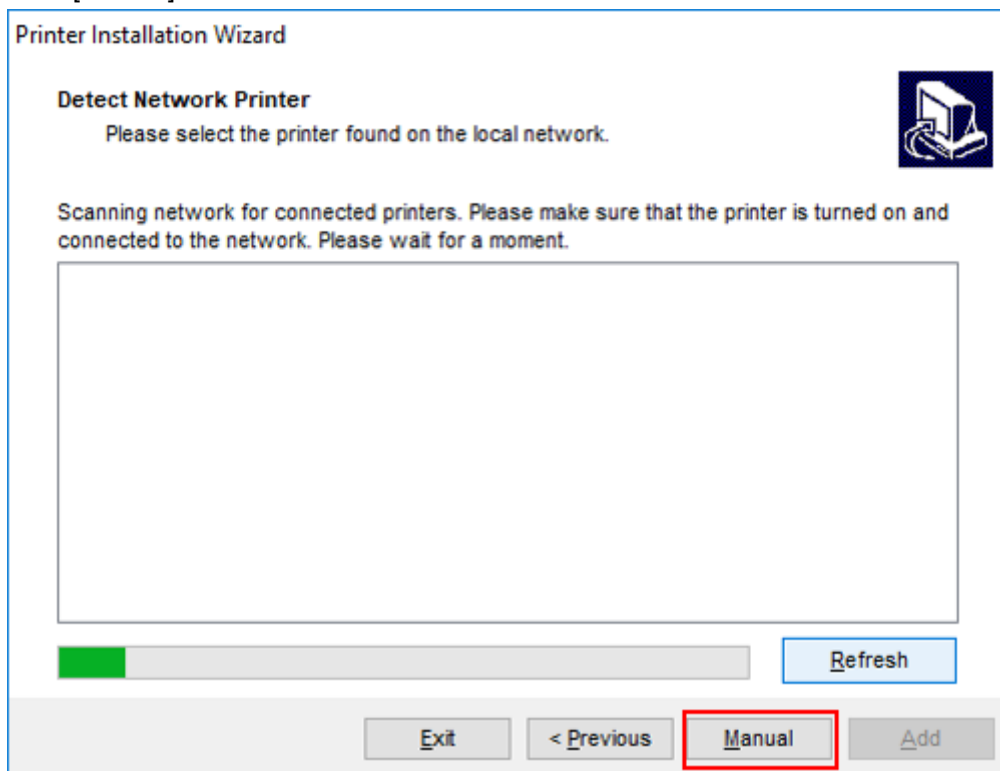
6. Select the product to add and click [Add].



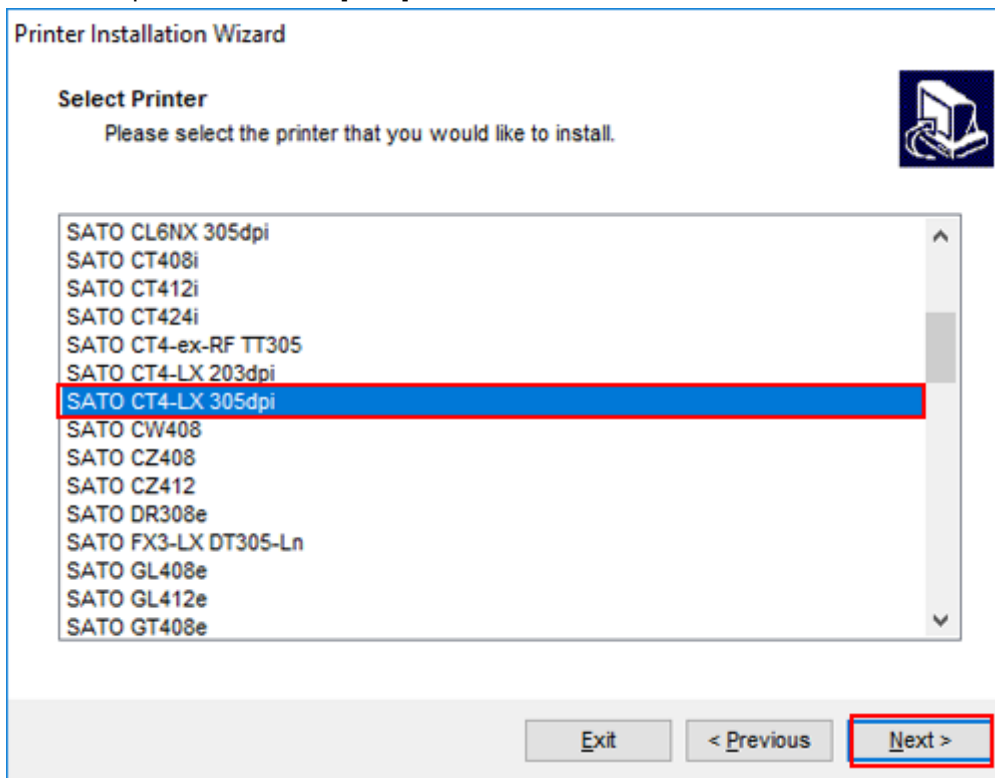
If the product is not shown, check that the product is powered on and connected to the network, and click [Refresh].

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

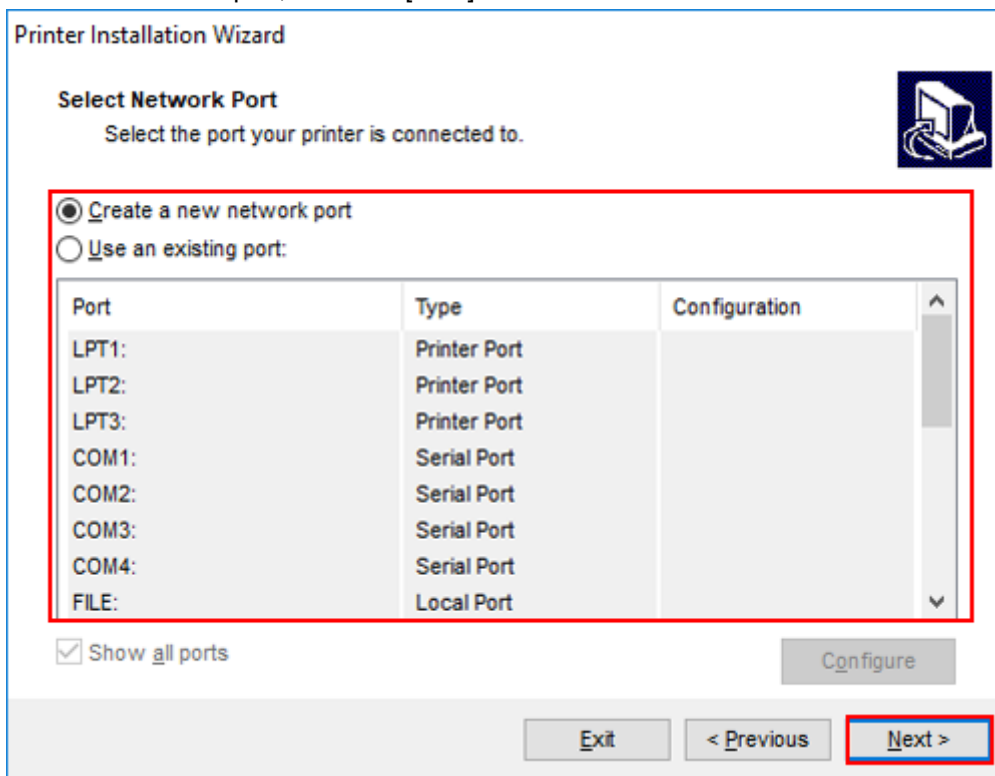
a. Click [Manual].



b. Select the product and click [Next].



c. Select the network port, and click [Next].



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:

Port number: 9100

Exit < Previous **Next >**



- 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 options before installation.

Printer name: SATO CT4-LX 305dpi

Driver version: 7.8.07.15941

Port name: LAN_SATO_CT4-LX_305dpi

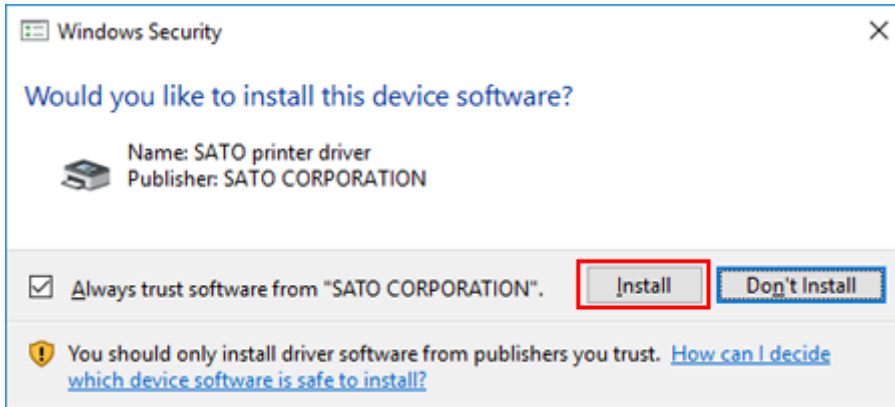
Select language: English

I want to use this printer as the Windows default printer

Exit < Previous **Install**

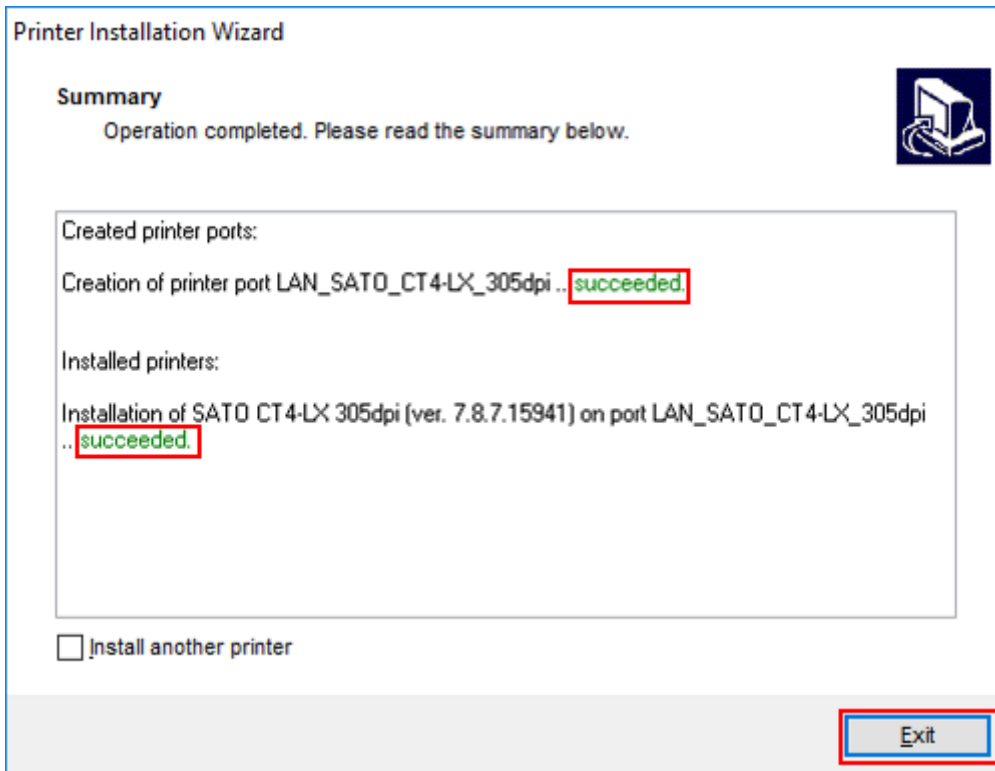
If the same printer name exists, change [Printer name] and then click [Install].

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

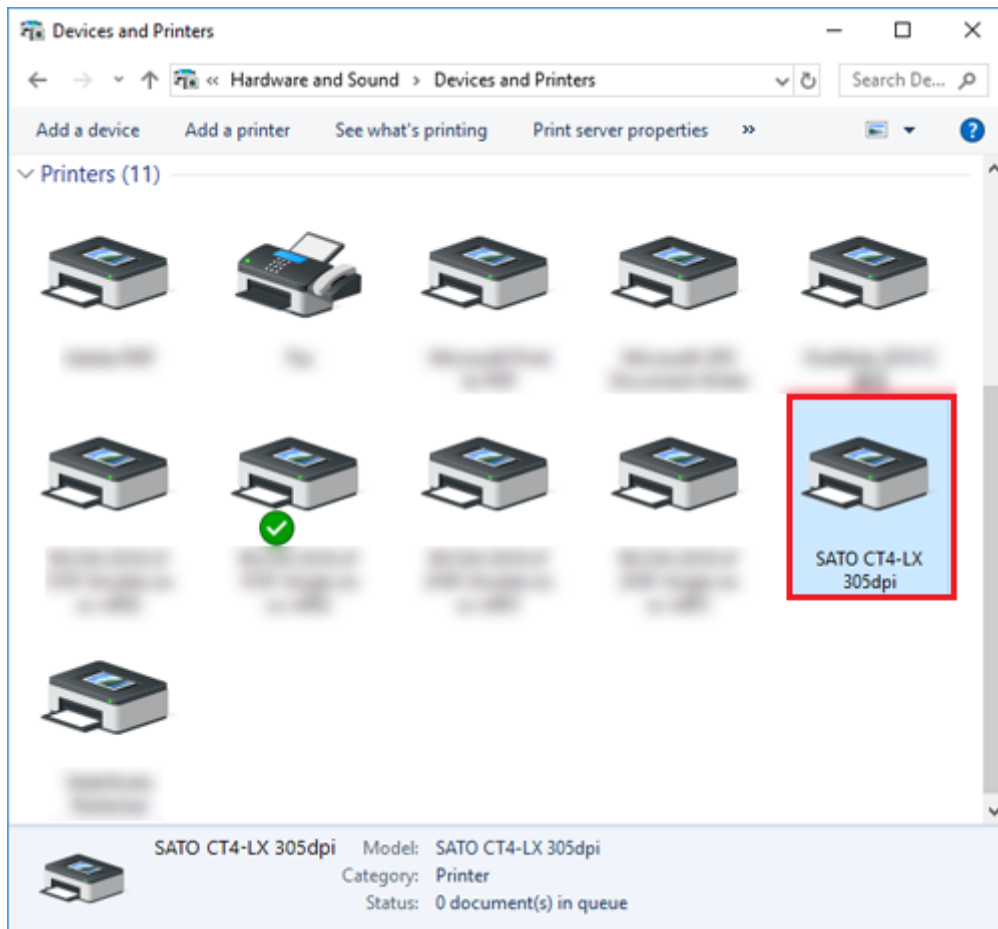


- If a security warning screen indicating that another process is blocking access appears, follow the on-screen instructions.

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



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

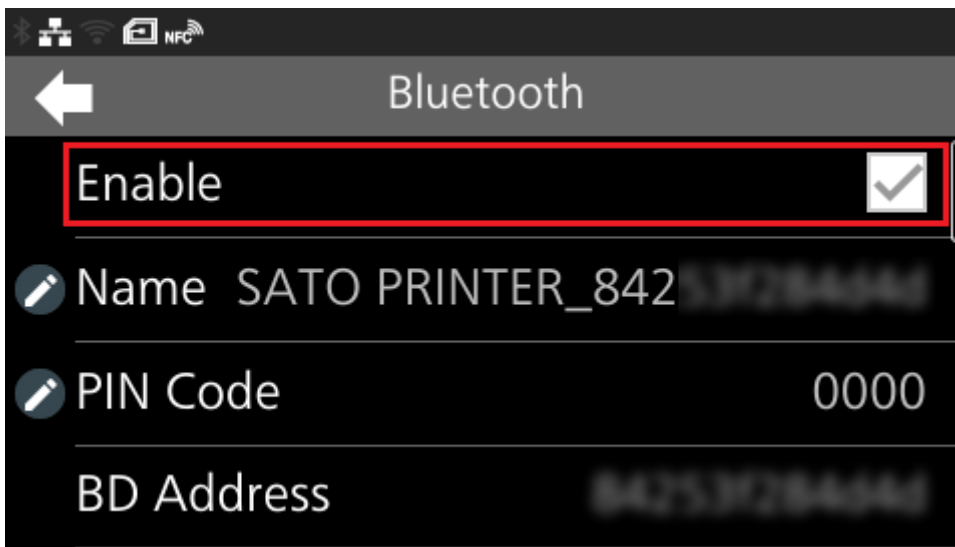
Add the product to the computer as a Bluetooth device (this is called pairing) and install the printer driver on the computer. The procedure for pairing a Bluetooth device varies depending on your computer environment. The following procedure is an example using Windows 10.

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

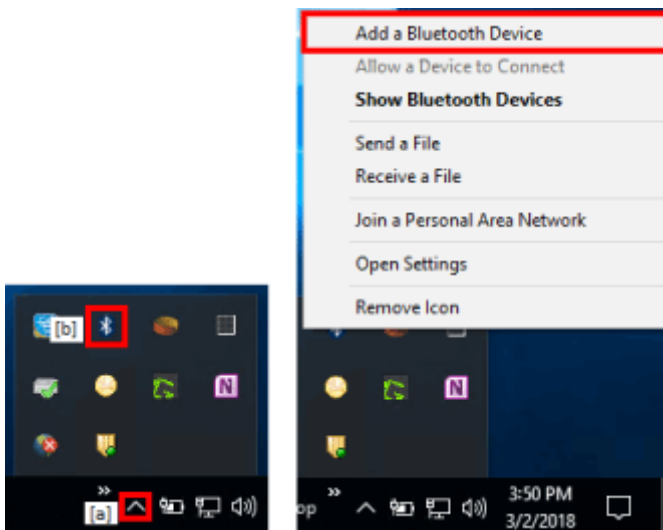
For details of the product screen and operations, refer to "CT4-LX Operator Manual."

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.



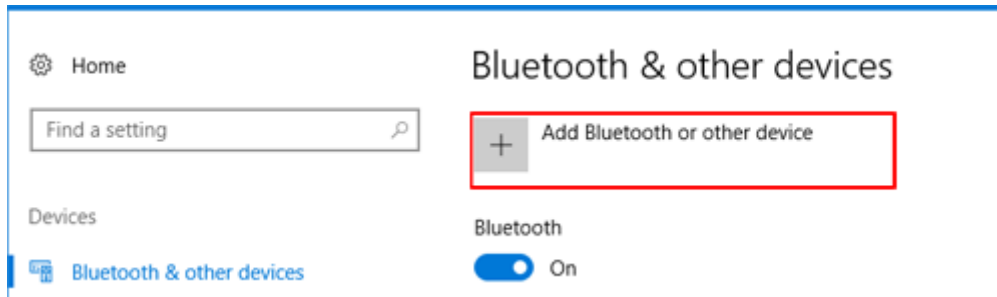
5. Check the device name shown in [Name].
Note down this information because it is needed to connect to the product.
6. Start the computer.
7. Click the arrow ([Show hidden icons]) ([a]) on the bottom-right of the computer desktop, right-click the Bluetooth icon ([b]), and select [Add a Bluetooth Device].



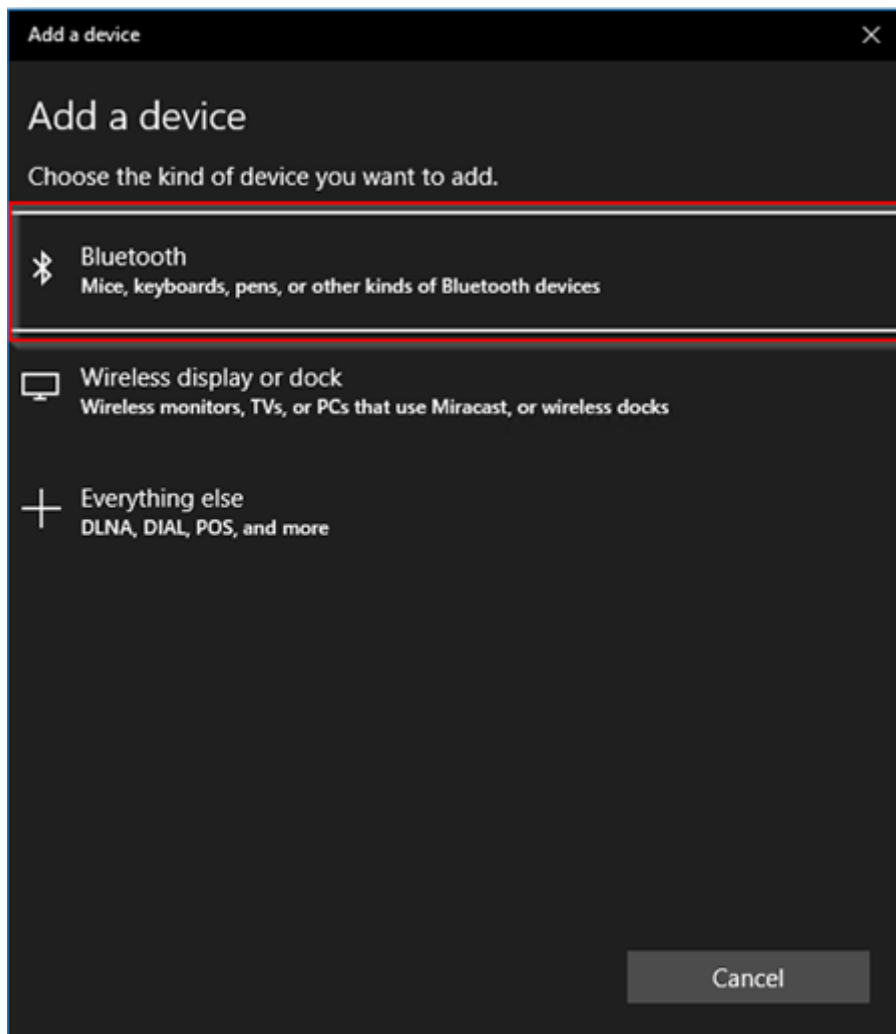



- The screen layout and the steps hereafter differ in versions before Windows 10 Creators Update.

8. Click [Add Bluetooth or other device].

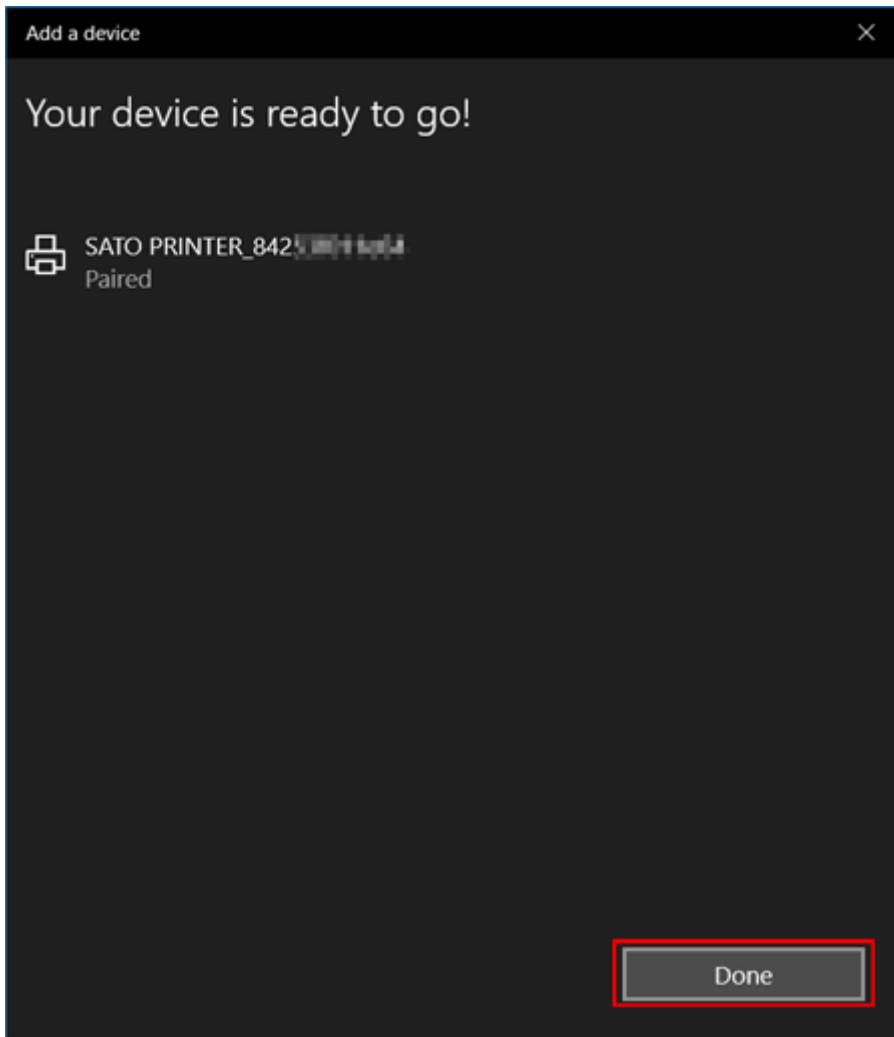


9. Click [Bluetooth].



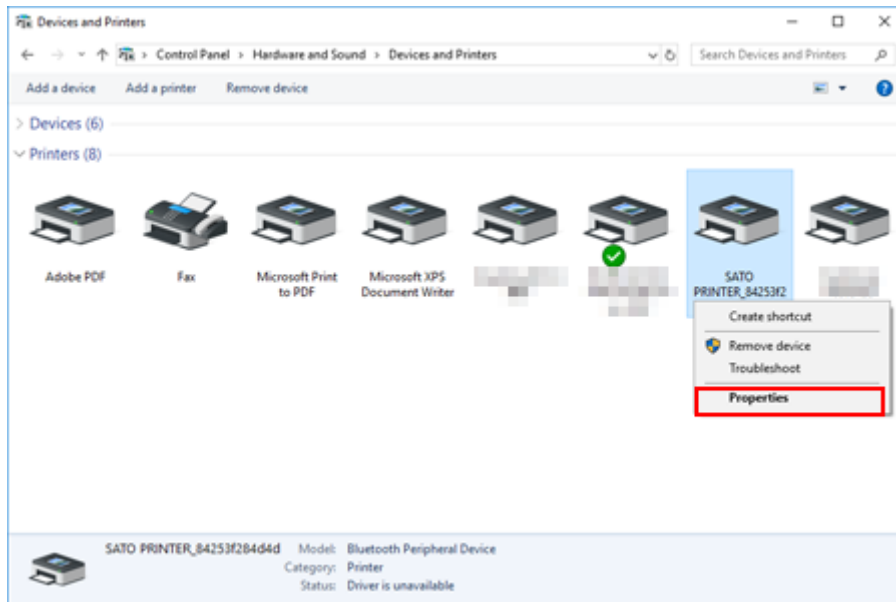
- 10. On the list of discovered devices, select the name of the device that you confirmed in step 5.**
- 11. Make sure the number displayed on the computer screen matches the pairing code on the product's screen, and tap  on the product, and click [Connect] on the computer.**

12. Click [Done].



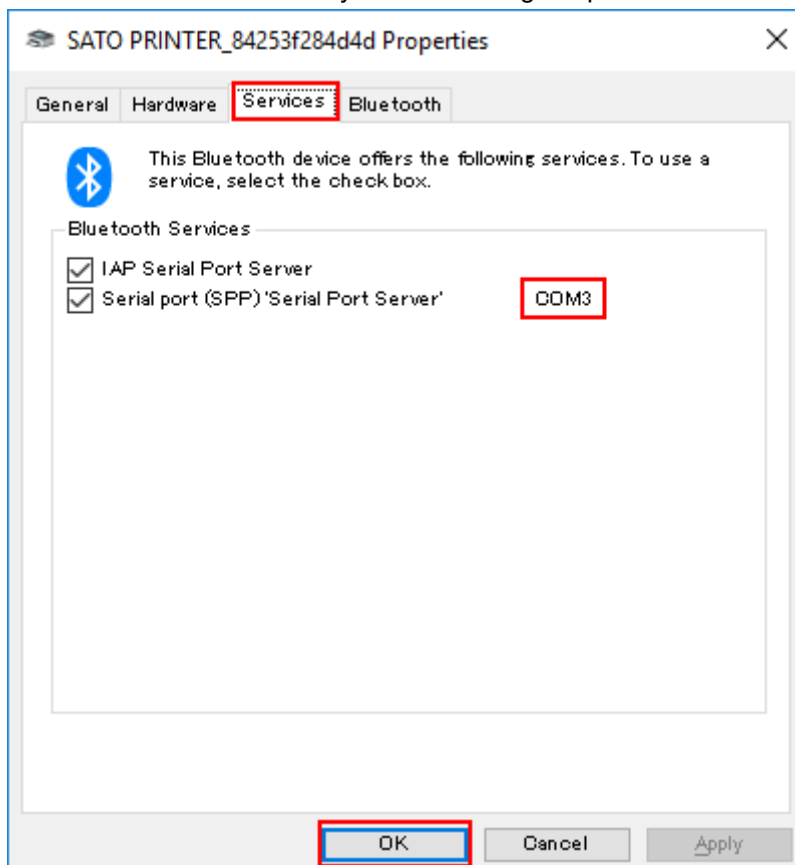
Installing the Printer Driver

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].

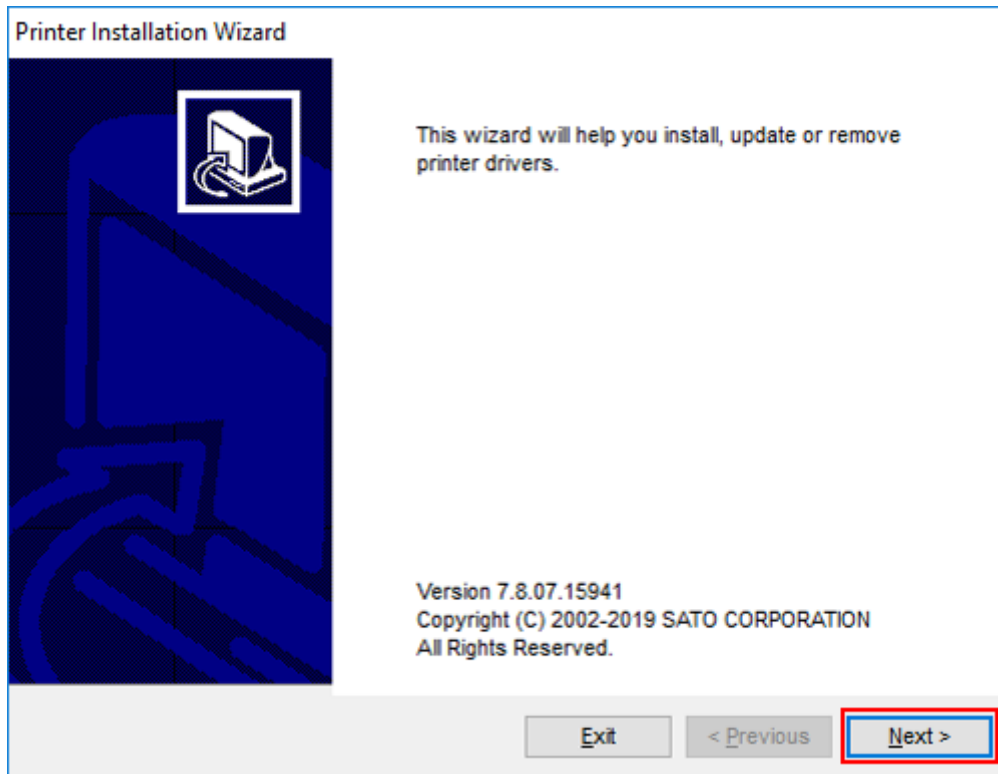
This information is necessary when installing the printer driver so make sure to write it down.



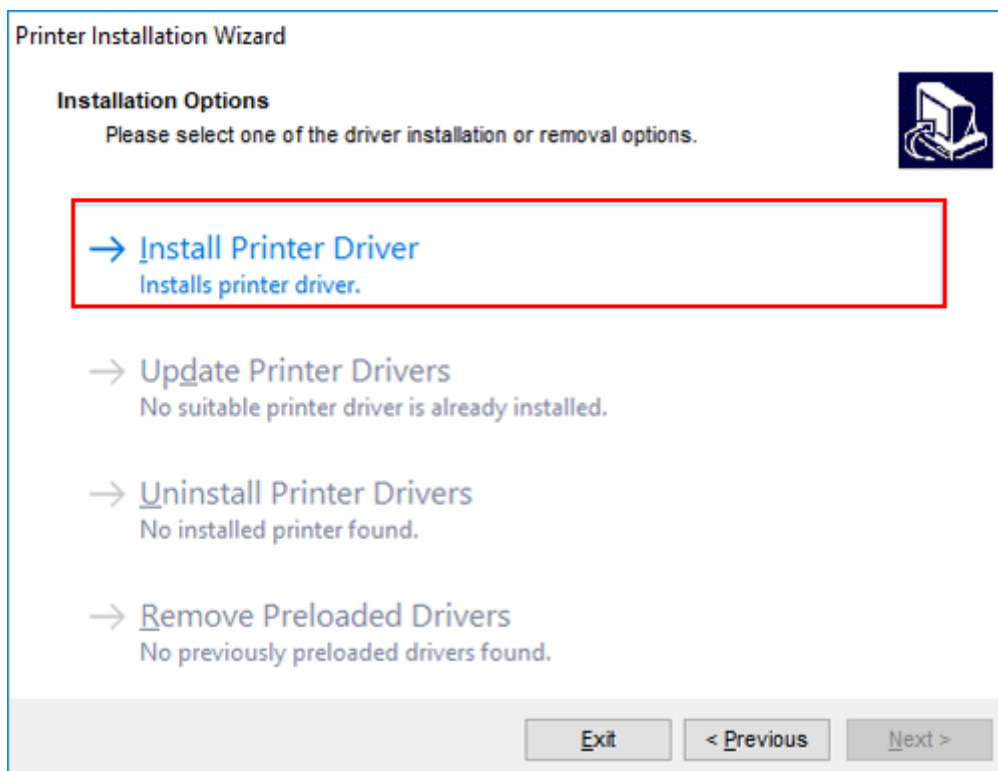
3. Double-click PrnInst.exe.

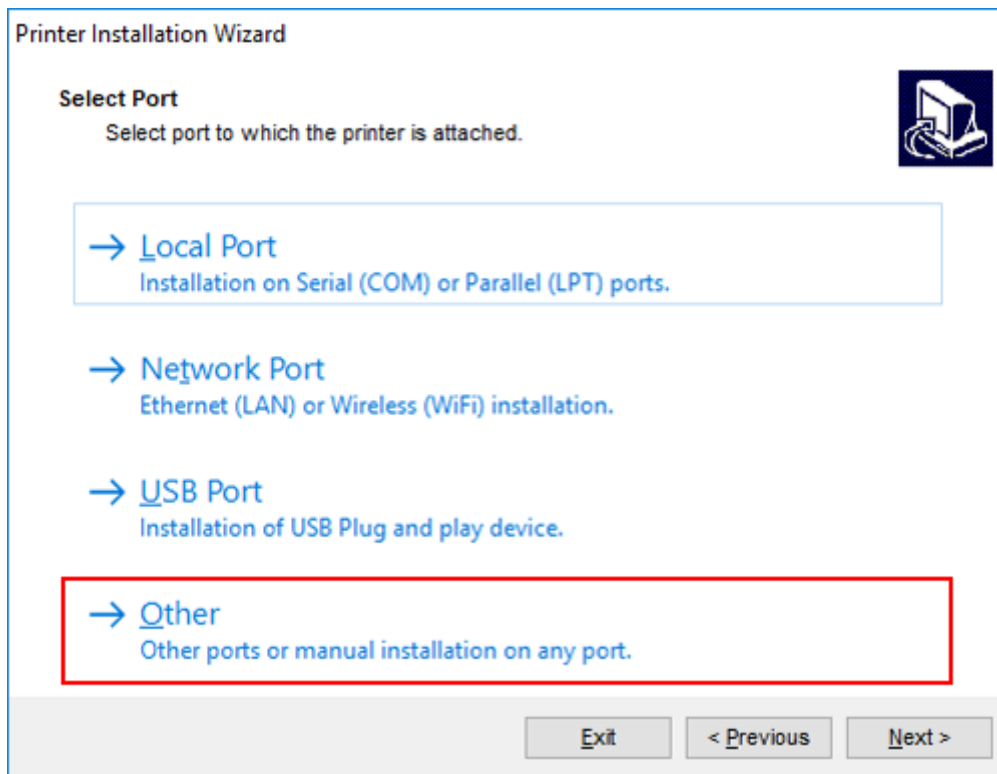
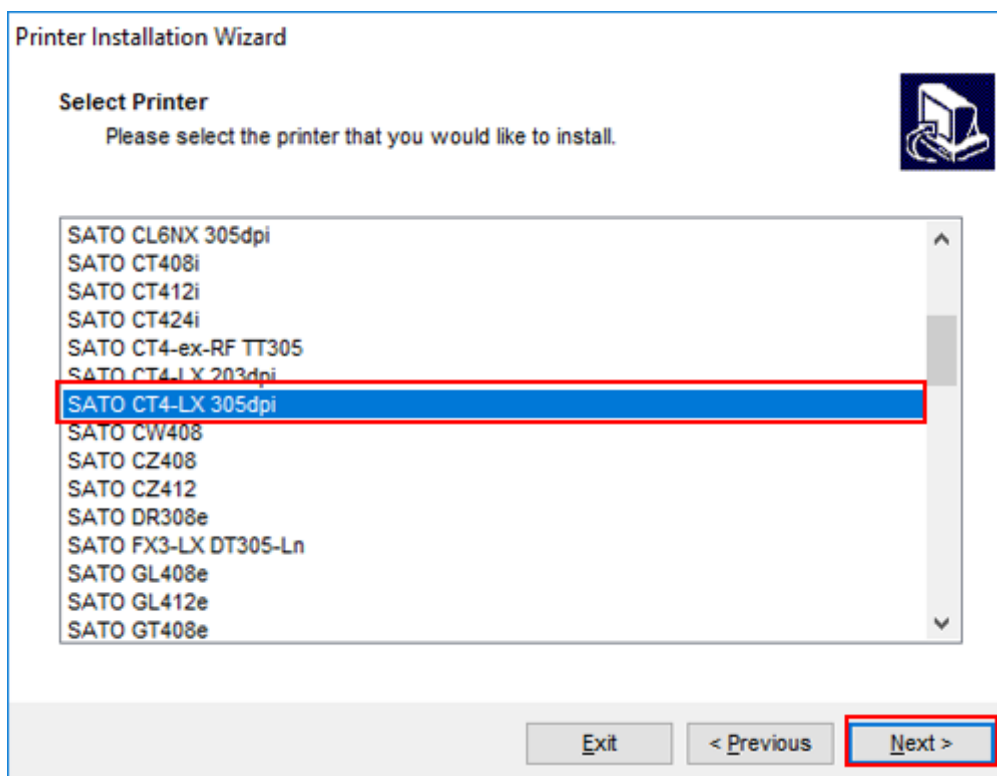
The printer installation wizard starts.

4. Click [Next].

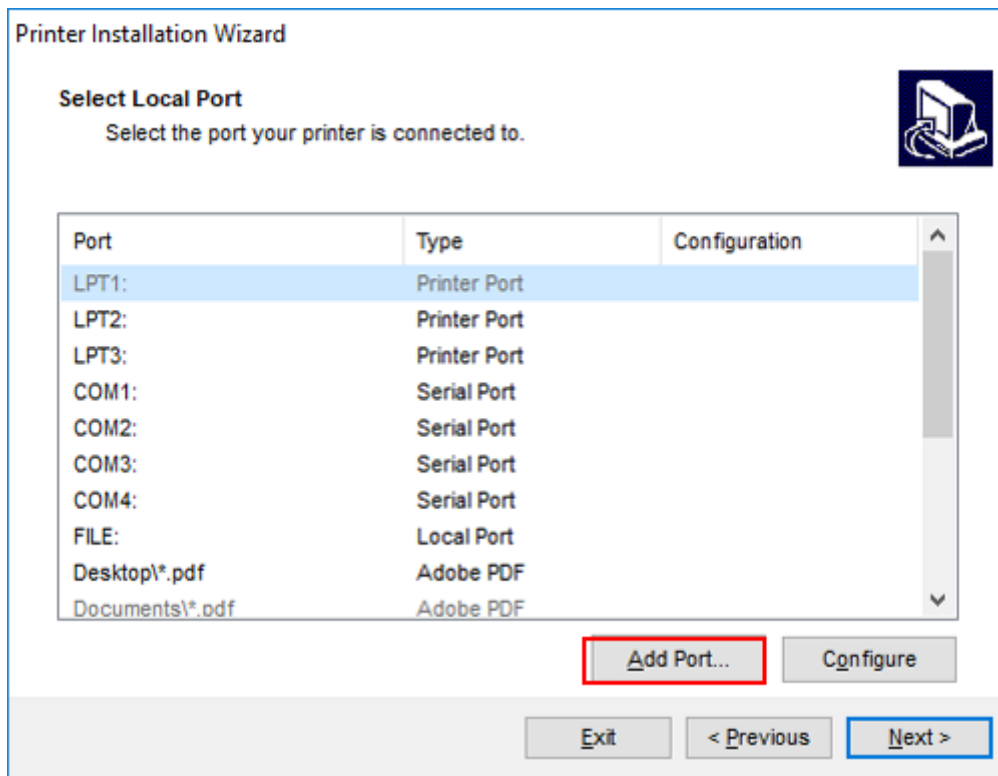


5. Click [Install Printer Driver].

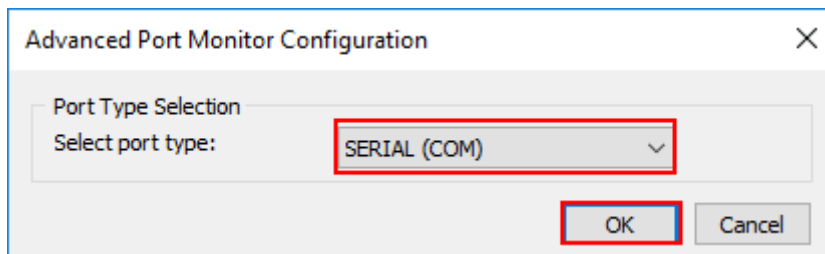


6. Click [Other].**7. Select the product and click [Next].**

8. Click [Add Port].



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



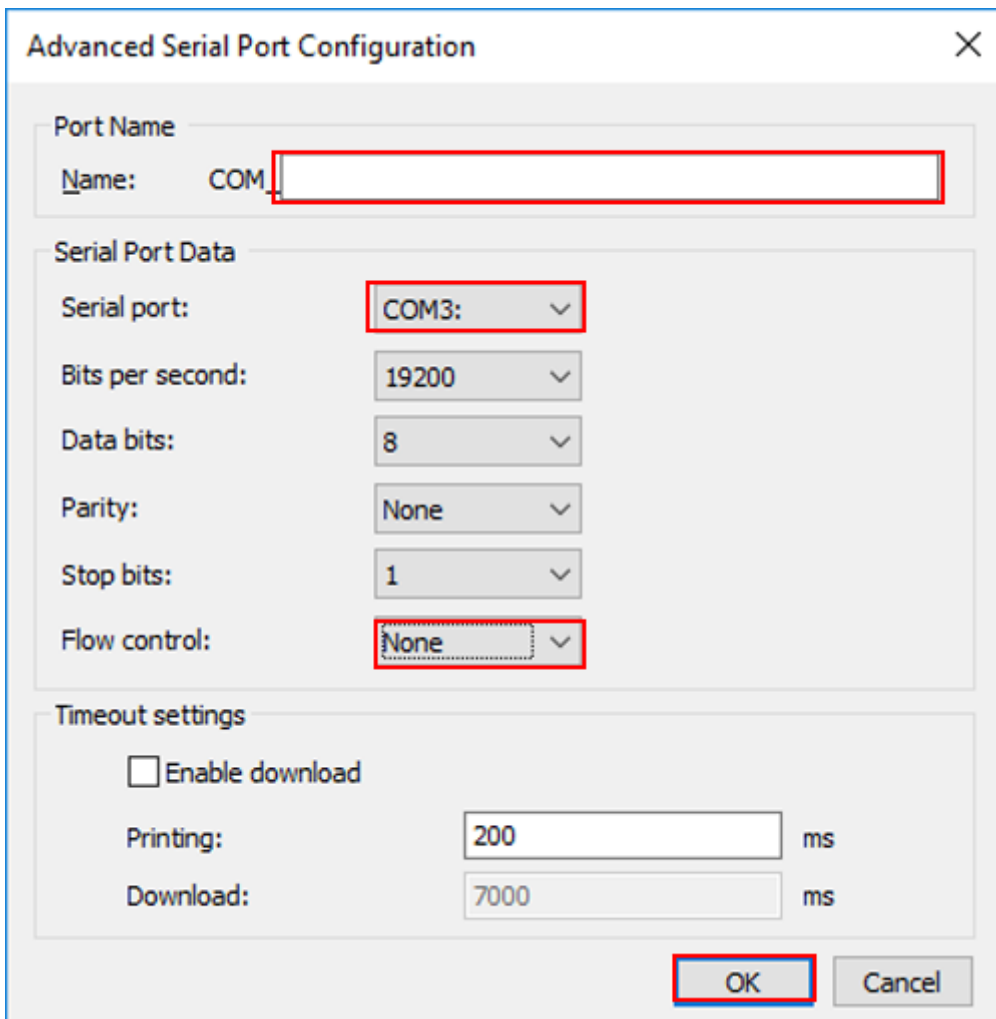
10. Configure the port settings and click [OK].

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].

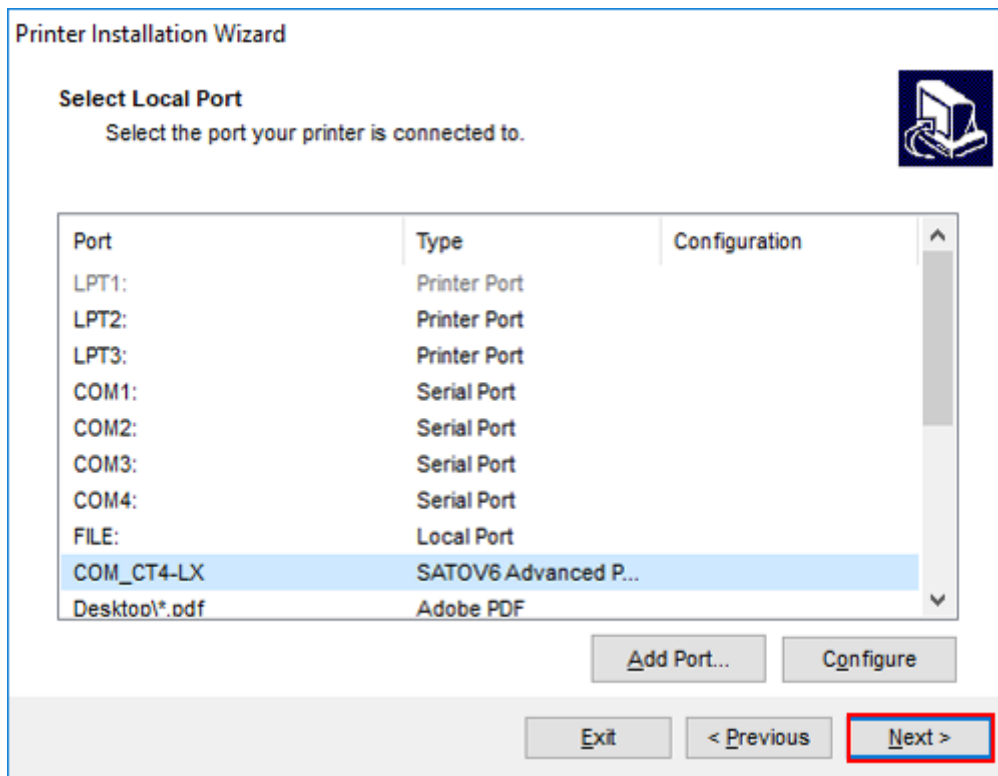


The image shows a dialog box titled "Advanced Serial Port Configuration" with a close button (X) in the top right corner. The dialog is divided into three sections: "Port Name", "Serial Port Data", and "Timeout settings".

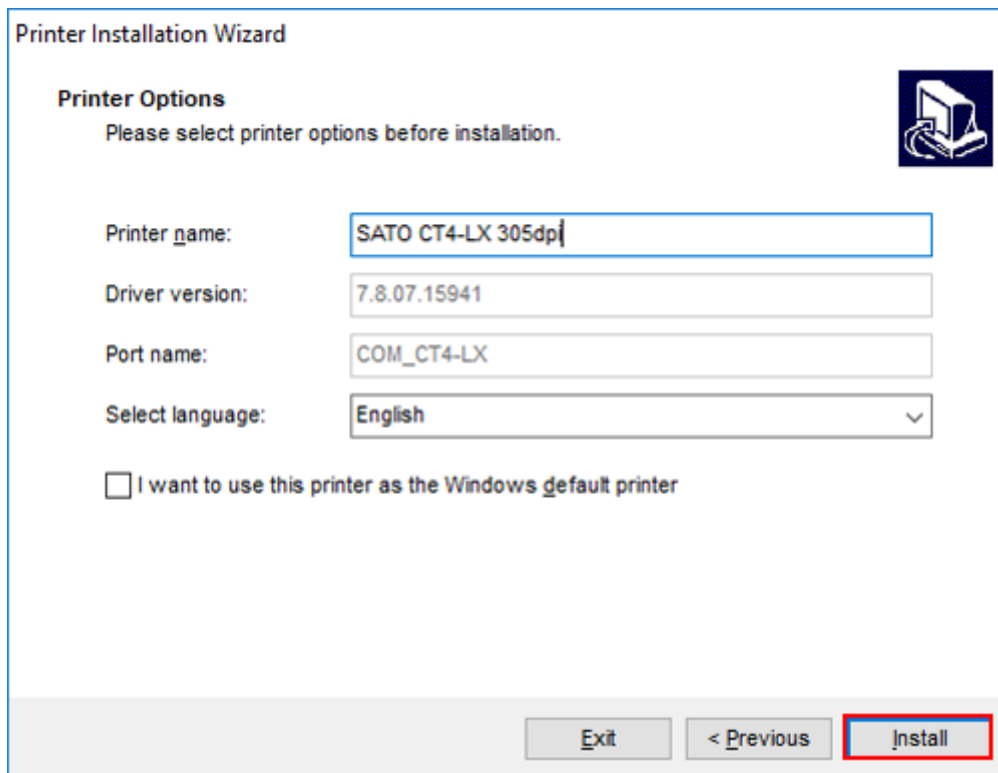
- Port Name:** A text field labeled "Name:" contains "COM" followed by an empty text box. A red box highlights the empty text box.
- Serial Port Data:** A group box containing several settings:
 - Serial port:** A dropdown menu showing "COM3:" with a downward arrow. A red box highlights the dropdown.
 - Bits per second:** A dropdown menu showing "19200" with a downward arrow.
 - Data bits:** A dropdown menu showing "8" with a downward arrow.
 - Parity:** A dropdown menu showing "None" with a downward arrow.
 - Stop bits:** A dropdown menu showing "1" with a downward arrow.
 - Flow control:** A dropdown menu showing "None" with a downward arrow. A red box highlights the dropdown.
- Timeout settings:** A group box containing:
 - An unchecked checkbox labeled "Enable download".
 - Printing:** A text field containing "200" followed by "ms".
 - Download:** A text field containing "7000" followed by "ms".

At the bottom right of the dialog, there are two buttons: "OK" and "Cancel". A red box highlights the "OK" button.

11. Click [Next].

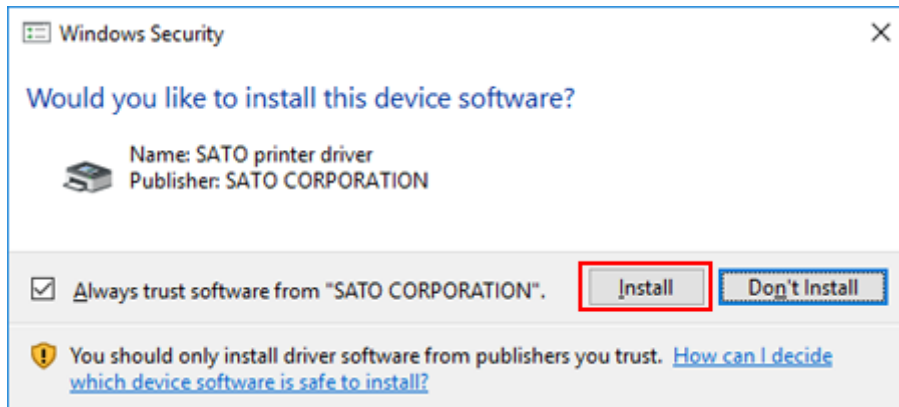


12. Click [Install].

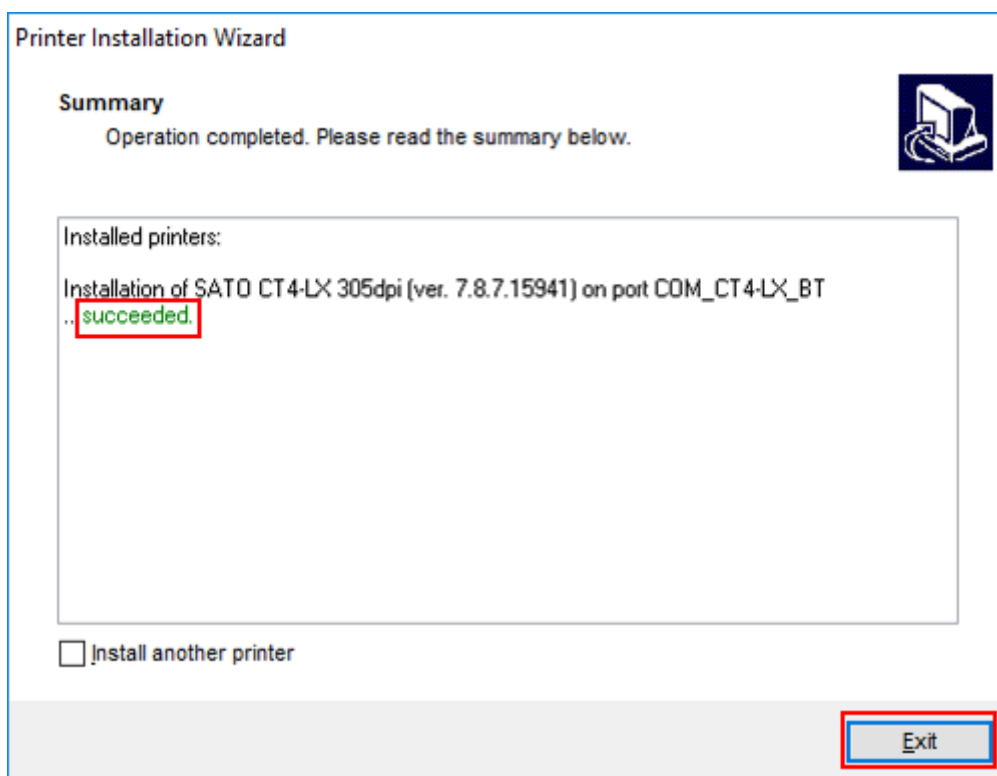


If the same printer name exists, change [Printer name] and then click [Install].

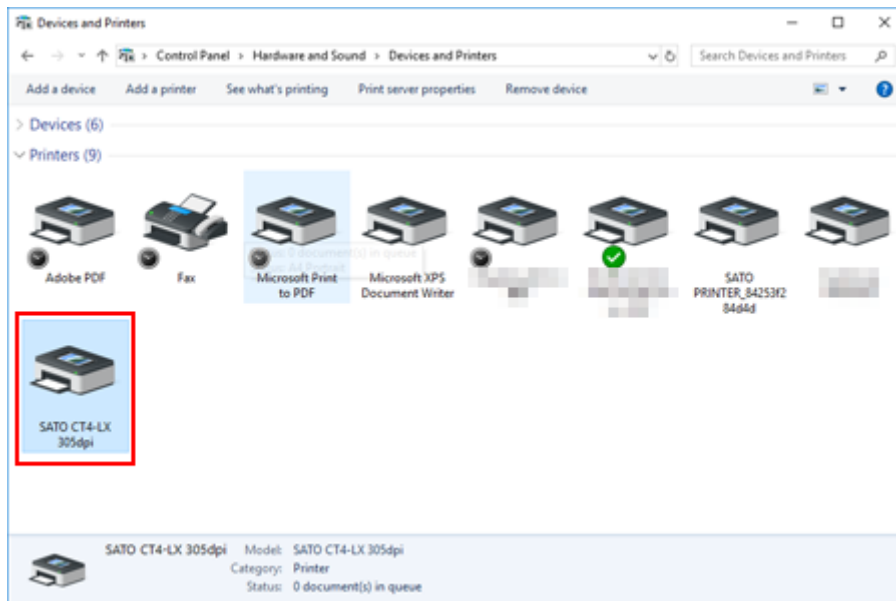
When the [Windows Security] screen appears, click [Install].



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

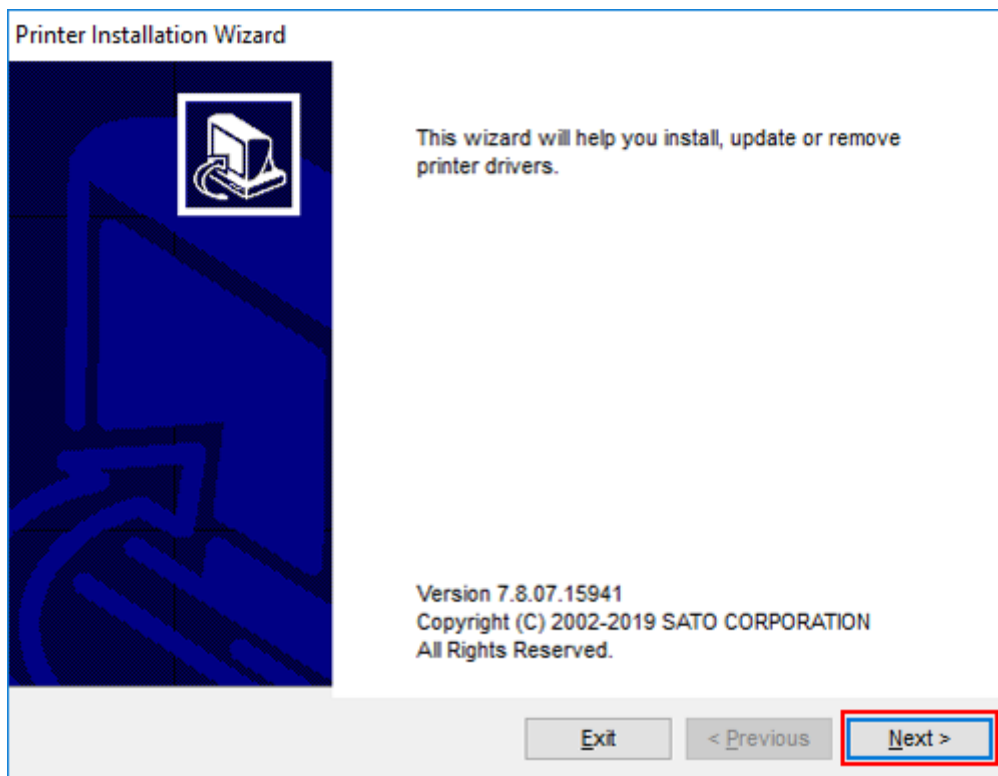


14. Open [Devices and Printers] and confirm that the product has been added to the list of printers.

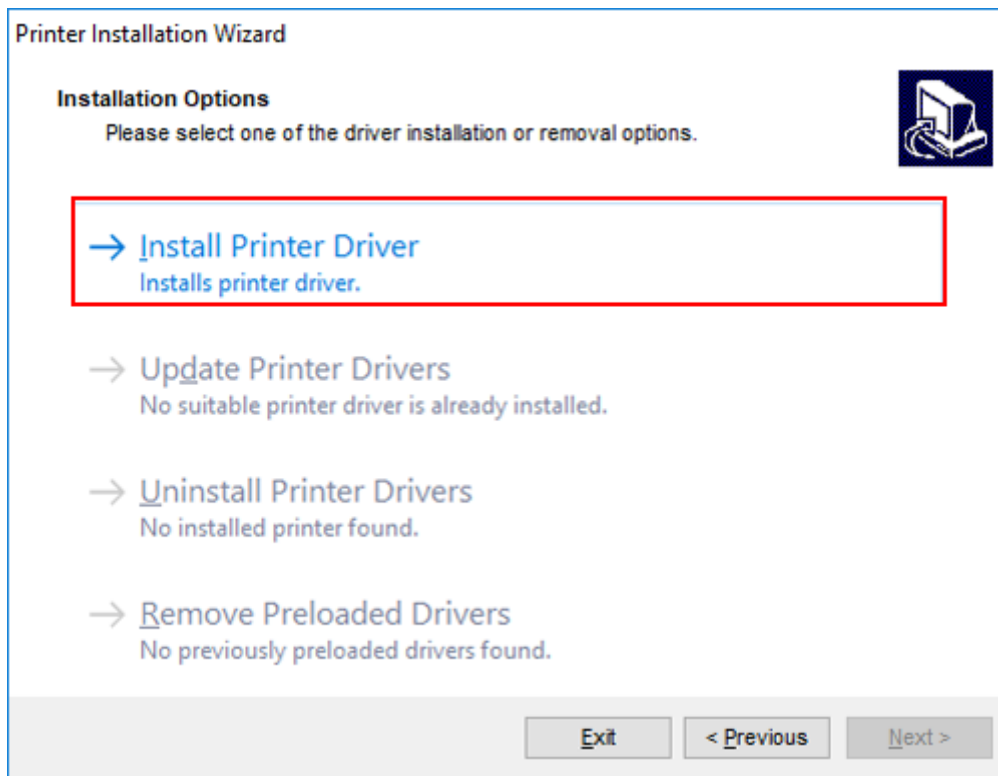


Installing the driver when connected via RS-232C

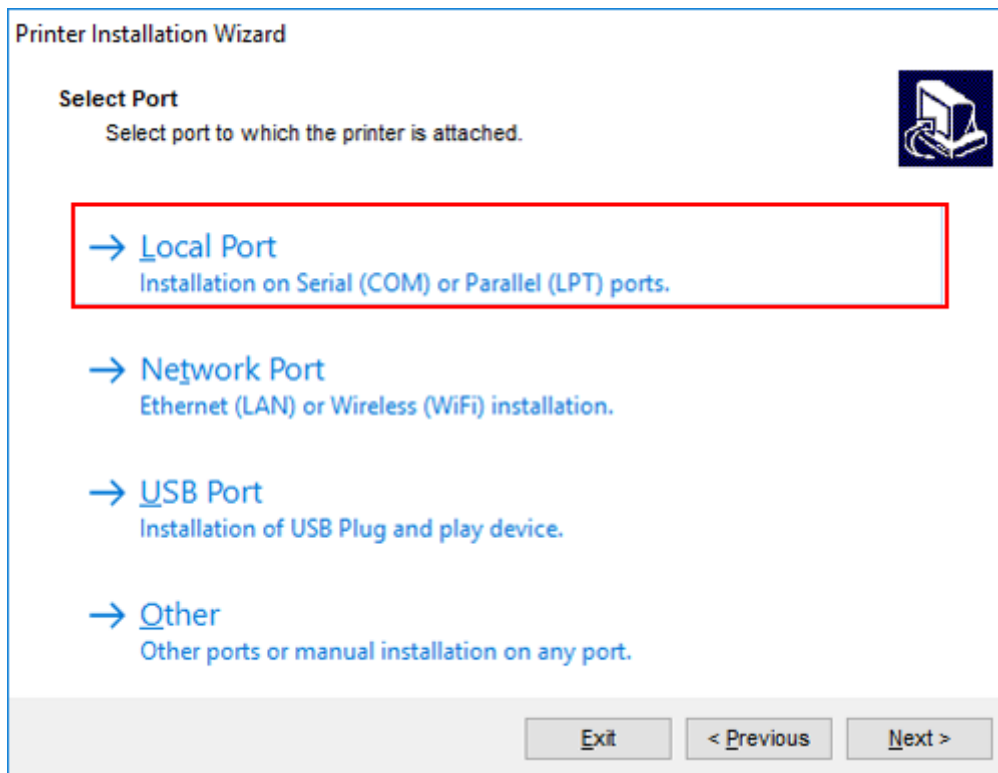
1. **Connect the product and computer with the RS-232C cable, and power on the product.**
2. **Double-click PrnInst.exe.**
The printer installation wizard starts.
3. **Click [Next].**

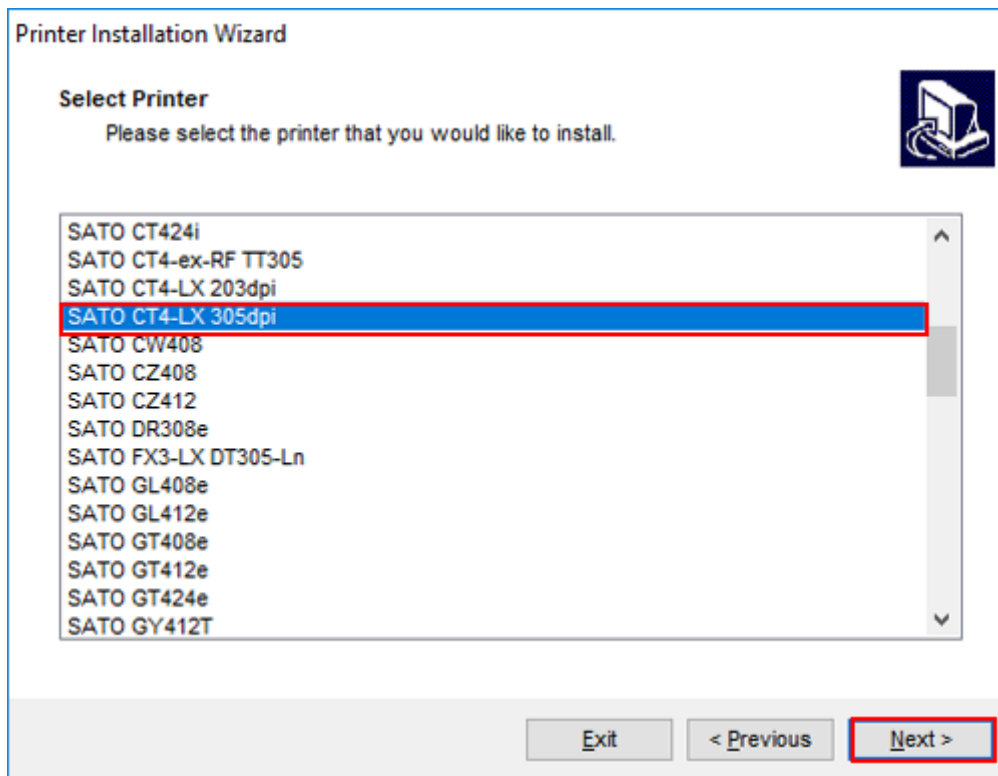
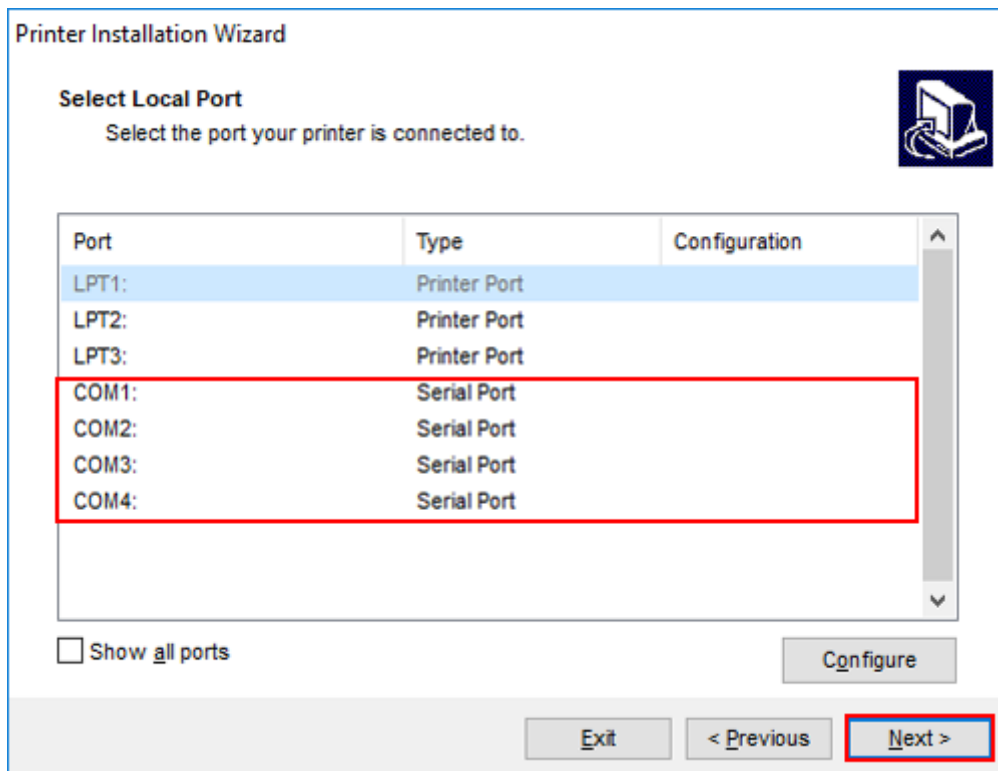


4. Click [Install Printer Driver].

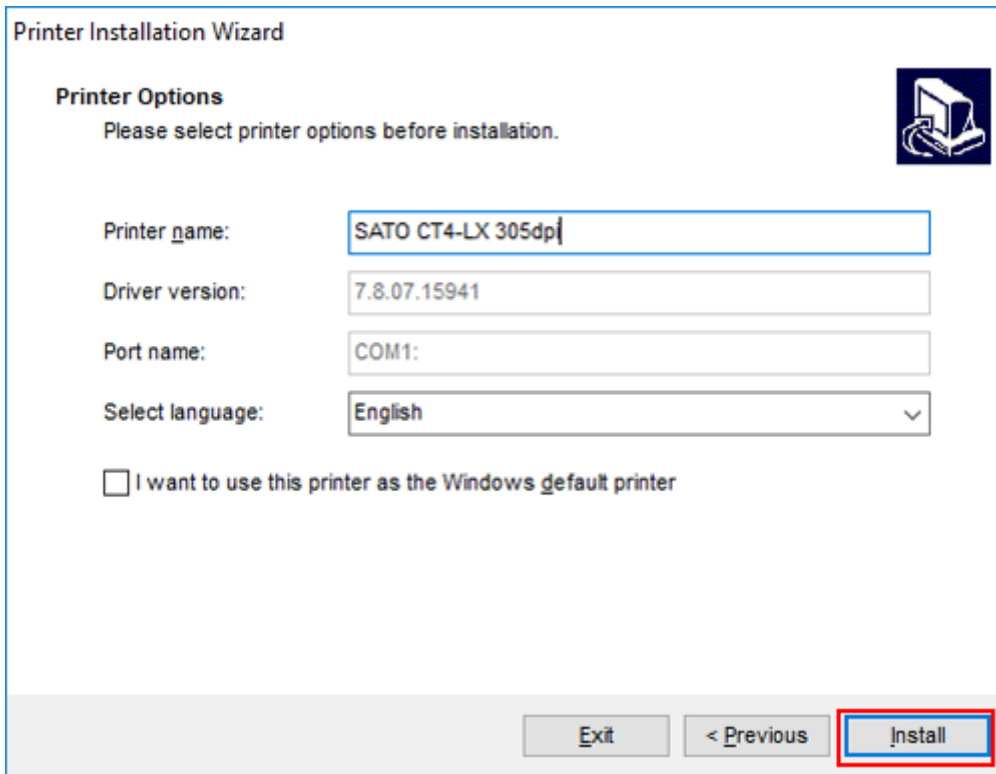


5. Click [Local Port].



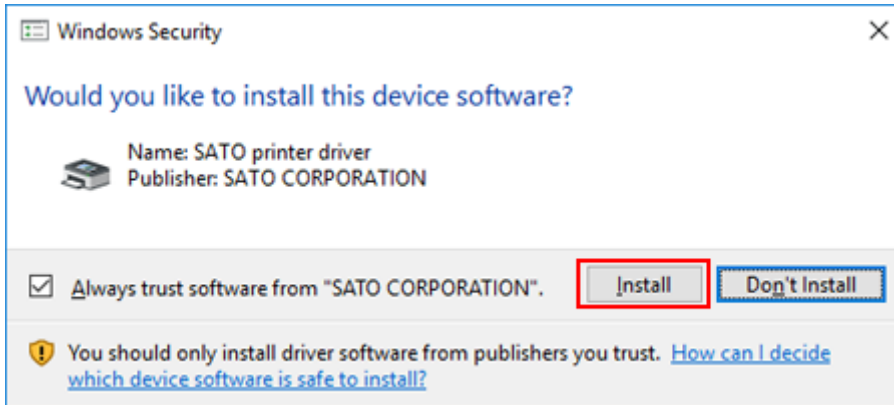
6. Select the model of the product and click [Next].**7. Select a serial (COM) port and click [Next].**

8. Click [Install].



The image shows the 'Printer Installation Wizard' dialog box. It has a title bar with the text 'Printer Installation Wizard' and a printer icon. Below the title bar, the text 'Printer Options' is followed by the instruction 'Please select printer options before installation.' There are four input fields: 'Printer name:' with the text 'SATO CT4-LX 305dp', 'Driver version:' with '7.8.07.15941', 'Port name:' with 'COM1:', and 'Select language:' with a dropdown menu showing 'English'. Below these fields is a checkbox labeled 'I want to use this printer as the Windows default printer'. At the bottom right, there are three buttons: 'Exit', '< Previous', and 'Install'. The 'Install' button is highlighted with a red rectangle.

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

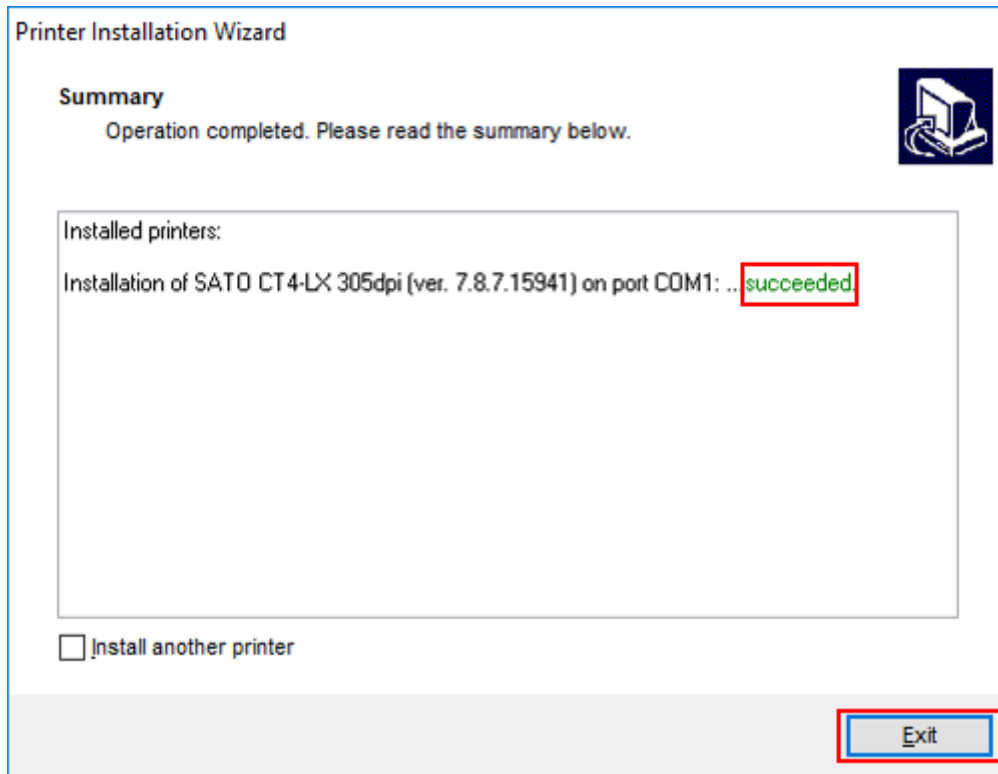


The image shows the 'Windows Security' dialog box. It has a title bar with the text 'Windows Security' and a close button. The main text asks 'Would you like to install this device software?'. Below this, there is a printer icon and the text 'Name: SATO printer driver' and 'Publisher: SATO CORPORATION'. At the bottom, there is a checkbox labeled 'Always trust software from "SATO CORPORATION".' with two buttons: 'Install' and 'Don't Install'. The 'Install' button is highlighted with a red rectangle. Below the buttons, there is a warning icon and the text 'You should only install driver software from publishers you trust. [How can I decide which device software is safe to install?](#)'.

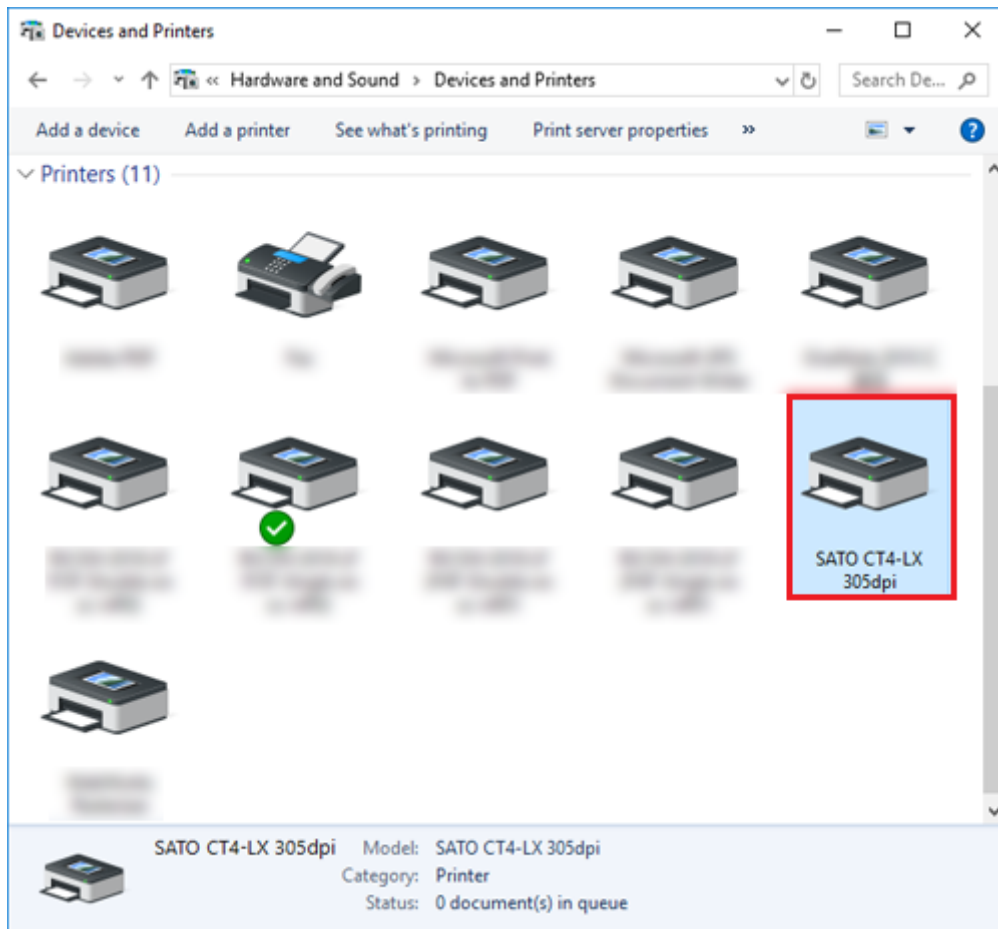


- If a security warning screen indicating that another process is blocking access appears, follow the on-screen instructions.

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.
2. 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 connected 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.

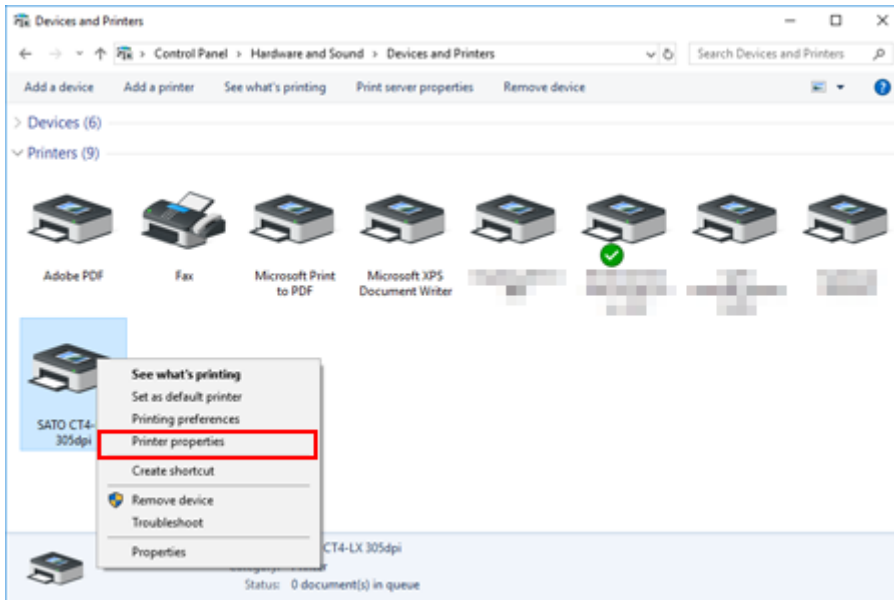
1. Pair the product with the computer.
2. Double-click PrnInst.exe.
3. To finish installing the driver, follow the same procedure as the first product.



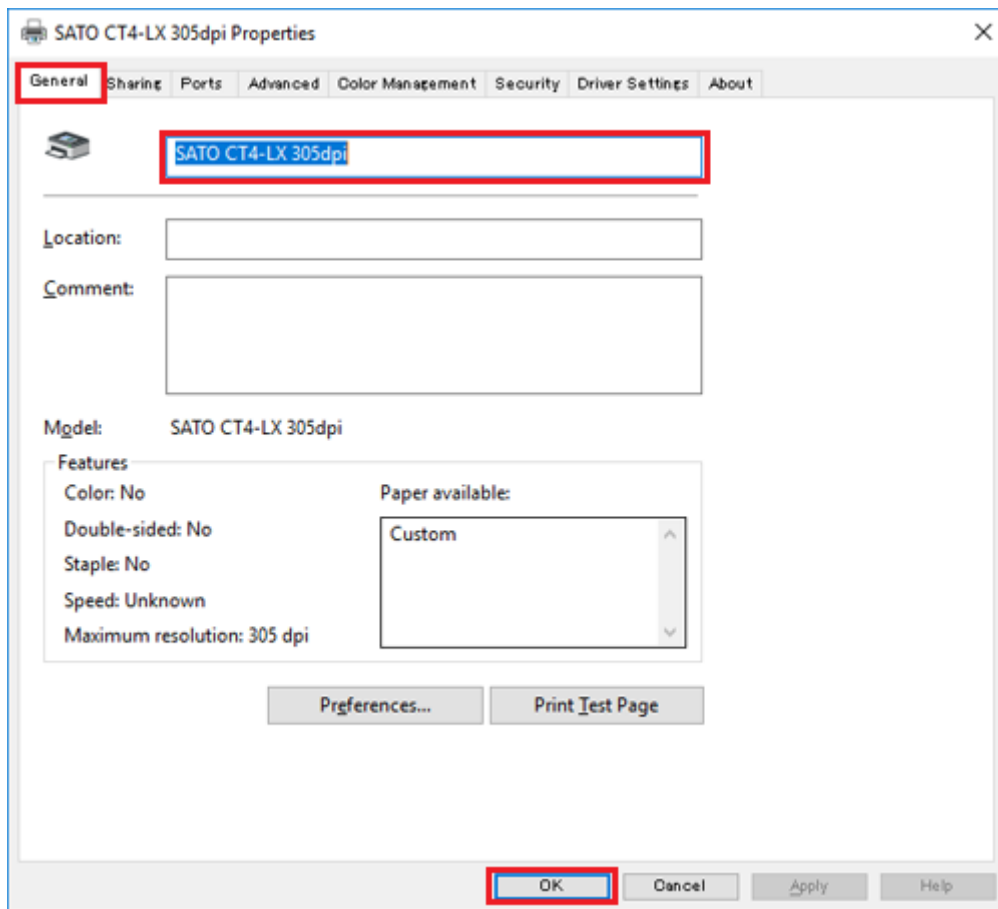
- You cannot install the printer driver as port and printer names that have already been created. Change the name(s).
-

Changing the Product Name after Installed

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



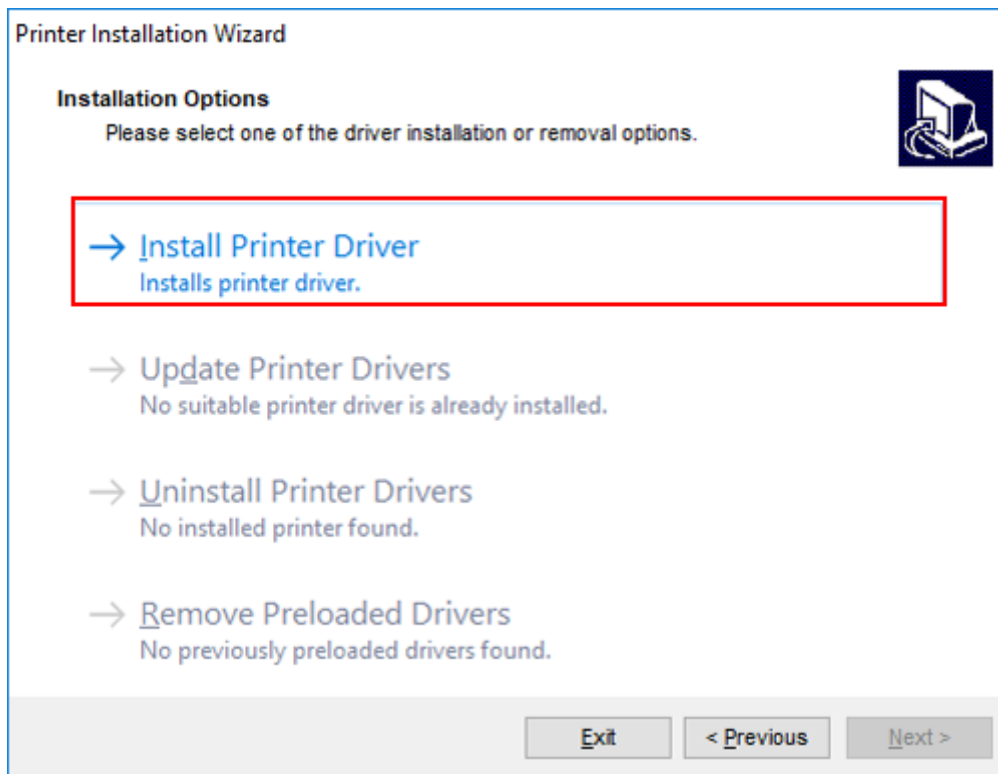
2. Rename in [General] tab then click [OK].



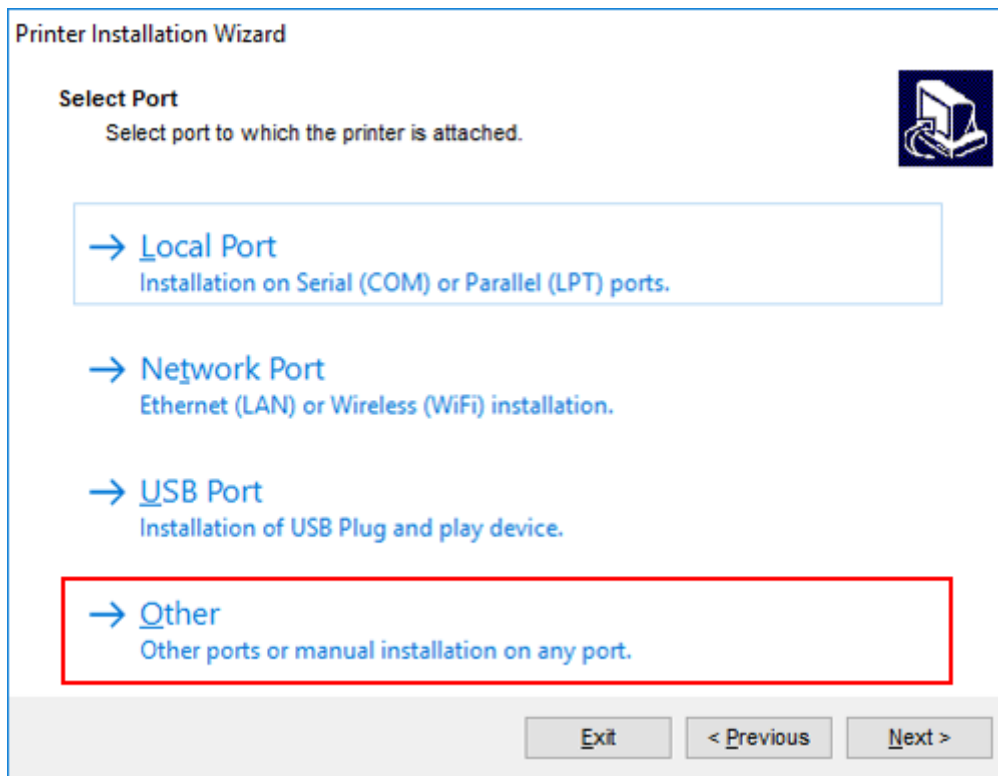
Manually configuring settings necessary to install the driver

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

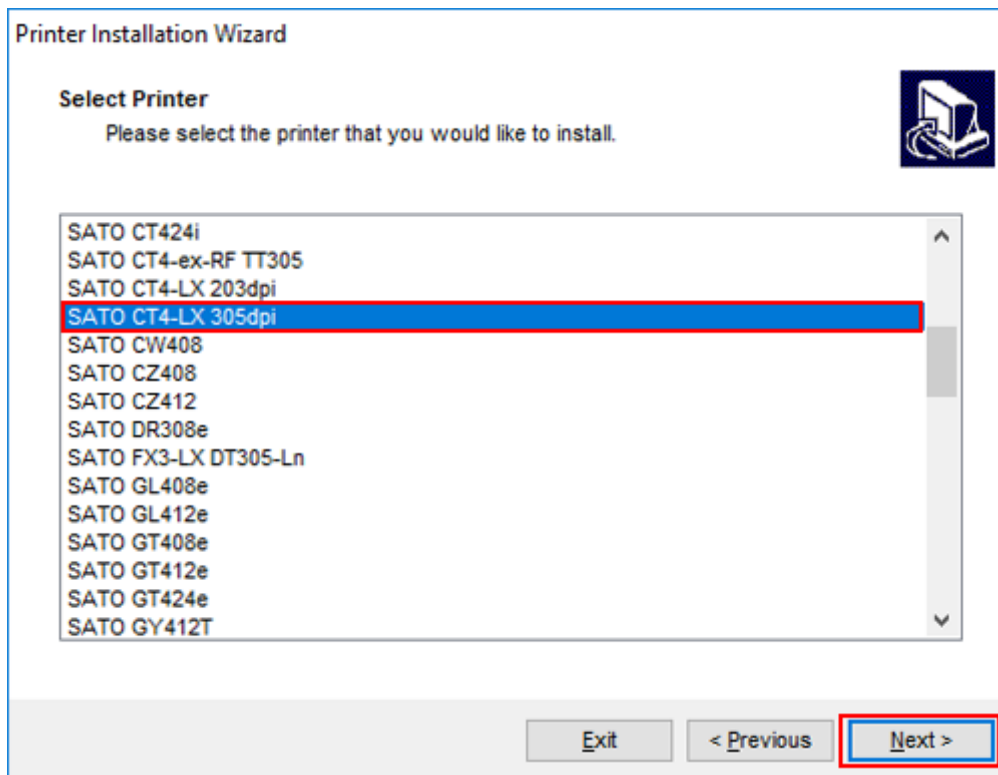
1. Click [Install Printer Driver].



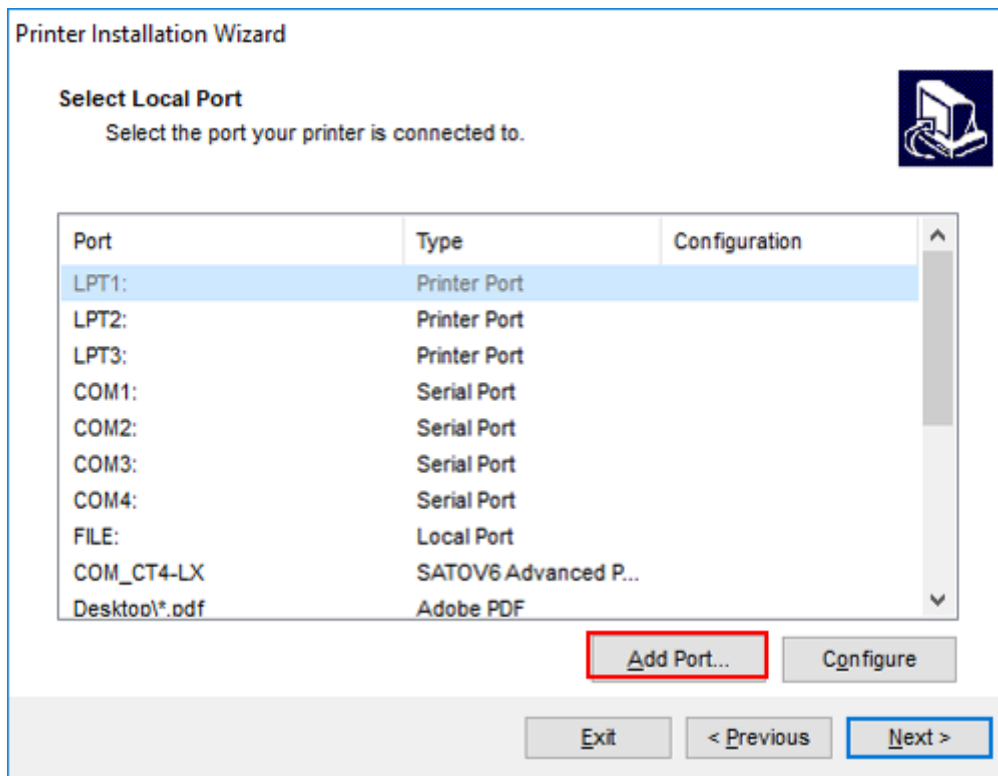
2. Click [Other].



3. Select the product and click [Next].



4. Click [Add Port].

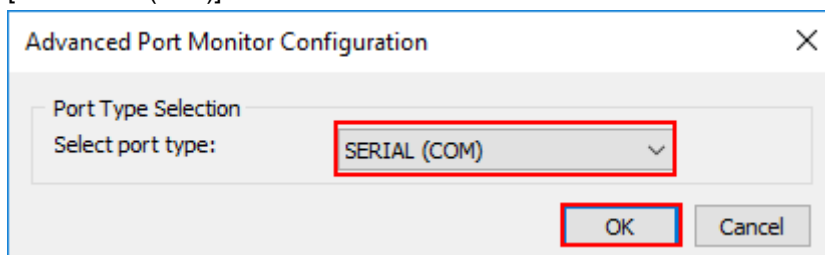


- If a security warning screen indicating that another process is blocking access appears, follow the on-screen instructions.

5. Select the port type that matches the product connection method from the [Select port type] drop down list and click [OK].

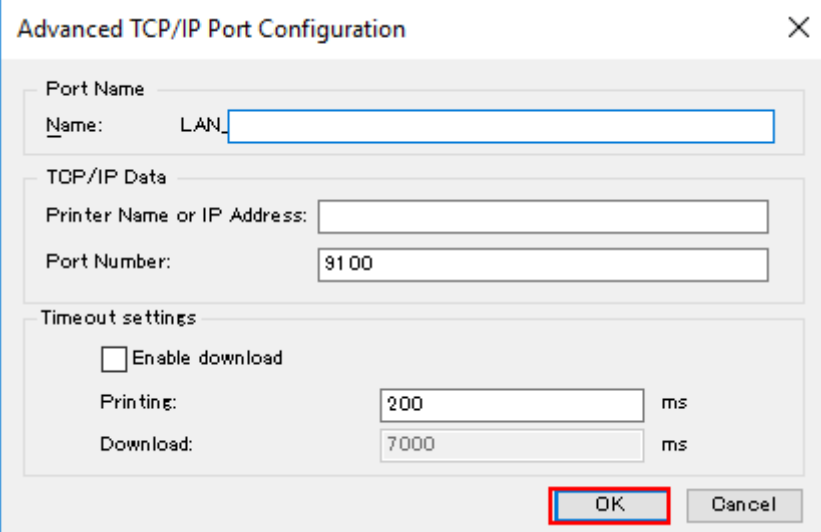
- For LAN or wireless LAN connection: [TCP/IP(LAN)]
- For Bluetooth or RS-232C connection: [SERIAL(COM)]

[PARALLEL(LPT)] is not used.



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

- If you selected [TCP/IP(LAN)]



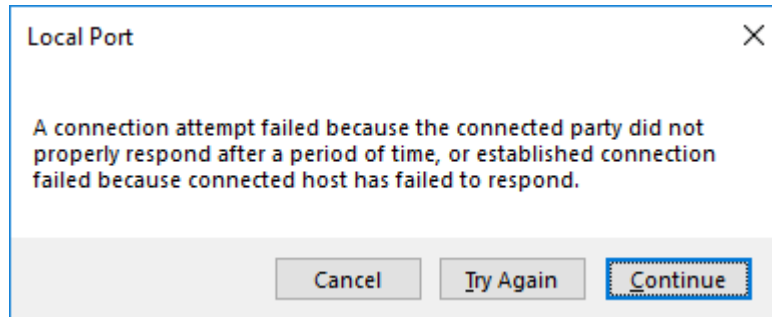
The image shows a dialog box titled "Advanced TCP/IP Port Configuration" with a close button (X) in the top right corner. The dialog is divided into three sections:

- Port Name:** A text field labeled "Name:" containing "LAN_" followed by an empty text box.
- TCP/IP Data:** Two text fields: "Printer Name or IP Address:" (empty) and "Port Number:" containing "9100".
- Timeout settings:** A checkbox labeled "Enable download" which is unchecked. Below it are two text fields: "Printing:" containing "200" ms and "Download:" containing "7000" ms.

At the bottom right, there are two buttons: "OK" (highlighted with a red border) and "Cancel".



- 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.



[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 Configuration

Port Name
Name: COM

Serial Port Data
Serial port: COM1
Bits per second: 19200
Data bits: 8
Parity: None
Stop bits: 1
Flow control: None

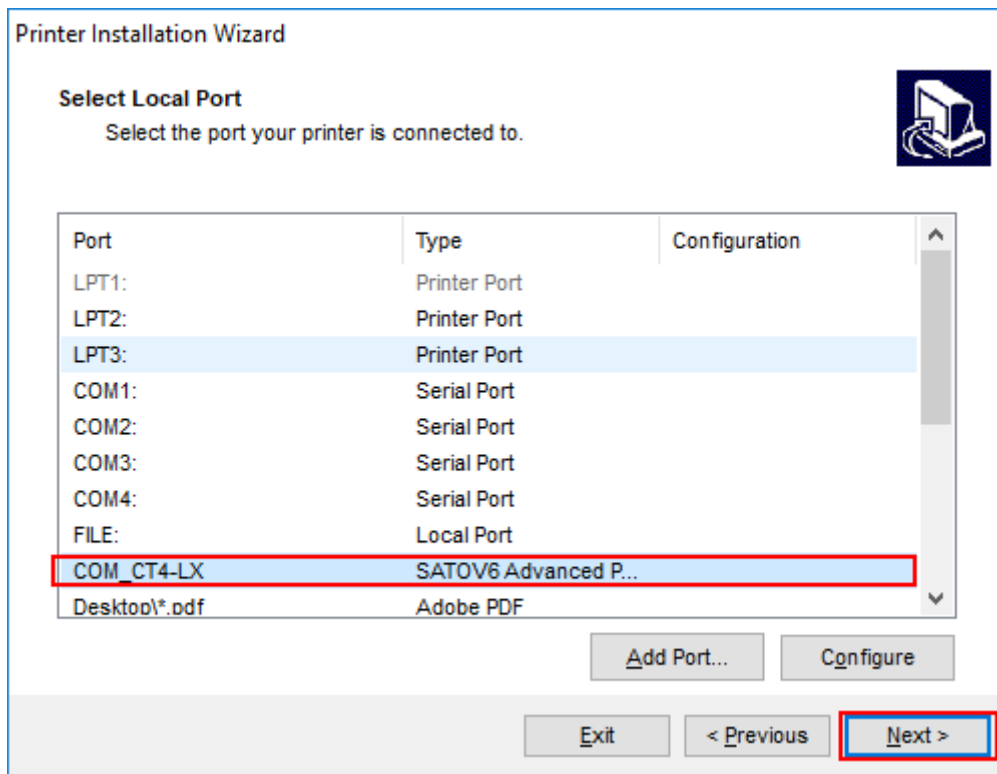
Timeout settings
 Enable download
Printing: 200 ms
Download: 7000 ms

OK Cancel

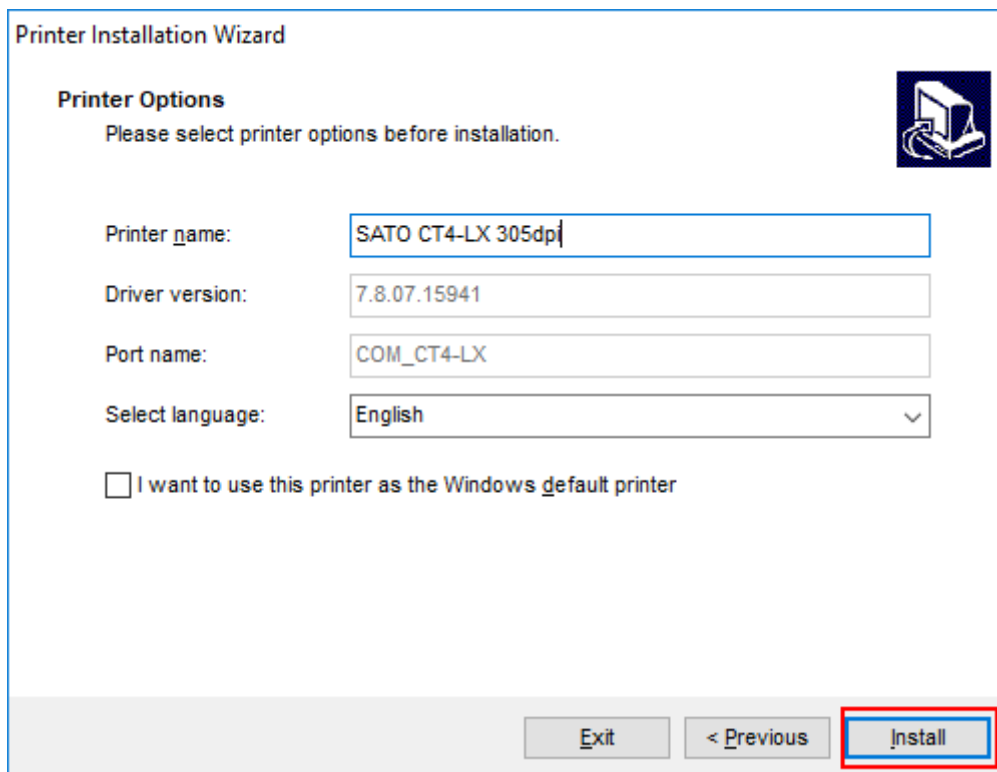


- You cannot set the same name as an existing port name.
- Select the same port as the connected product for [Serial port].
- For [Flow control], select [None].

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

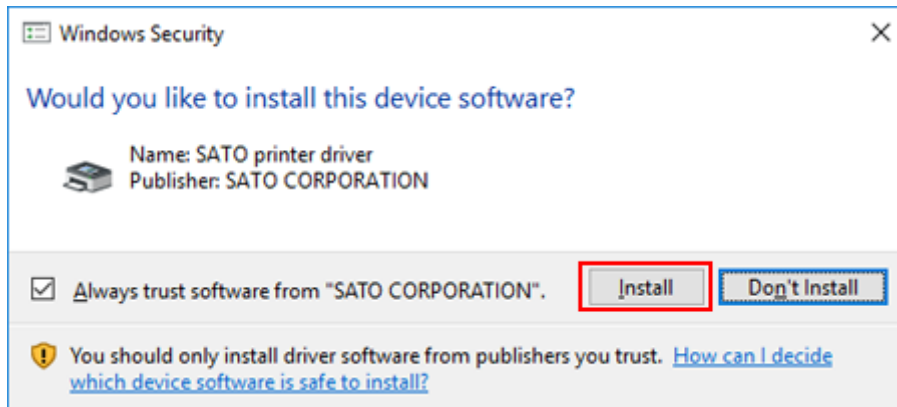


8. Click [Install].

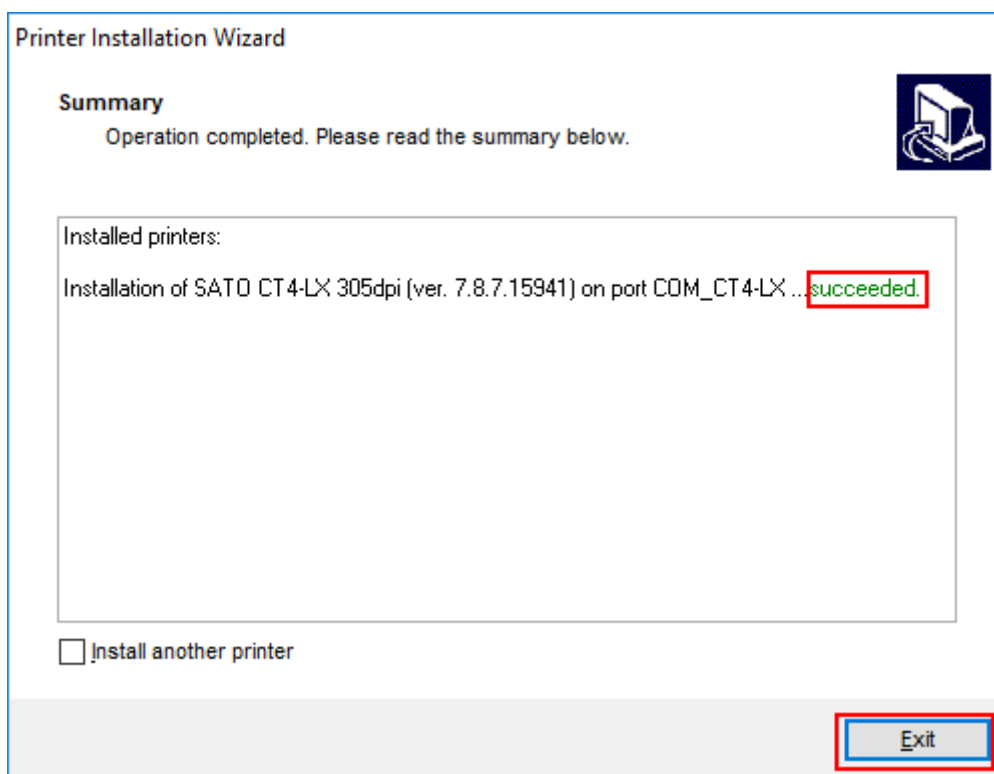


If the same printer name exists, change [Printer name] and then click [Install].

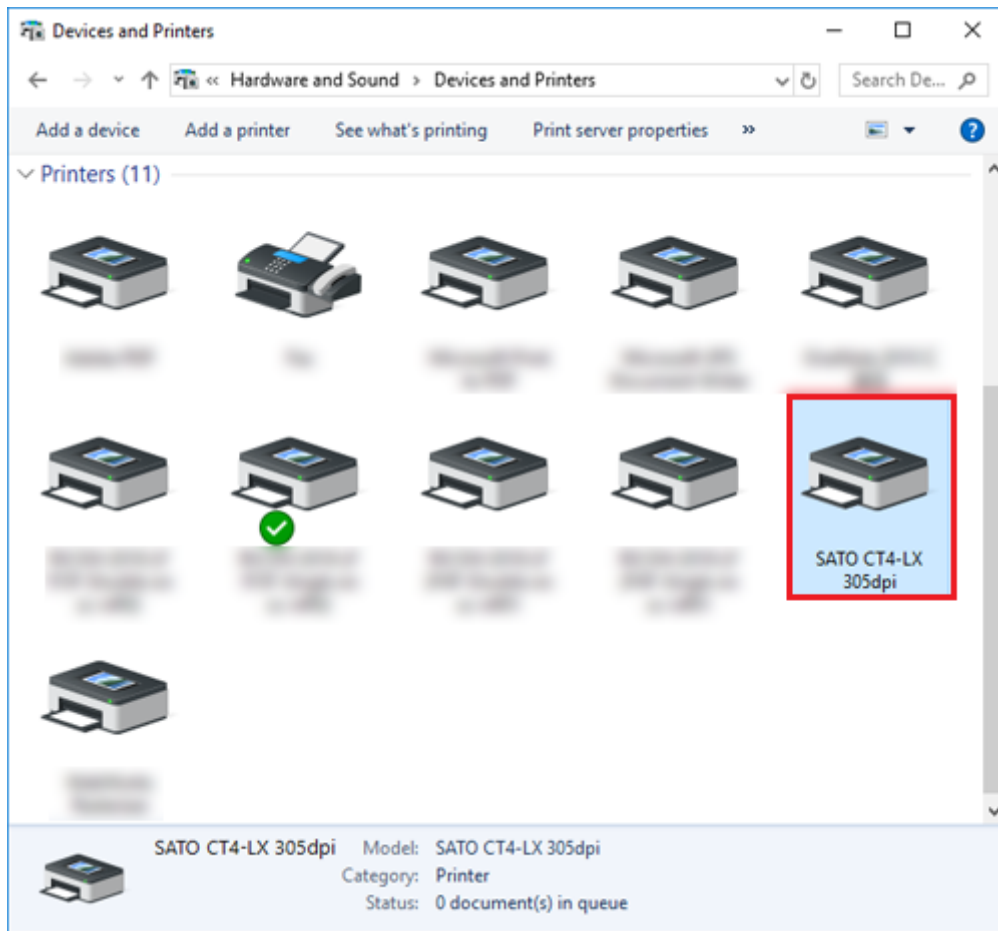
When the [Windows Security] screen appears, click [Install].



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

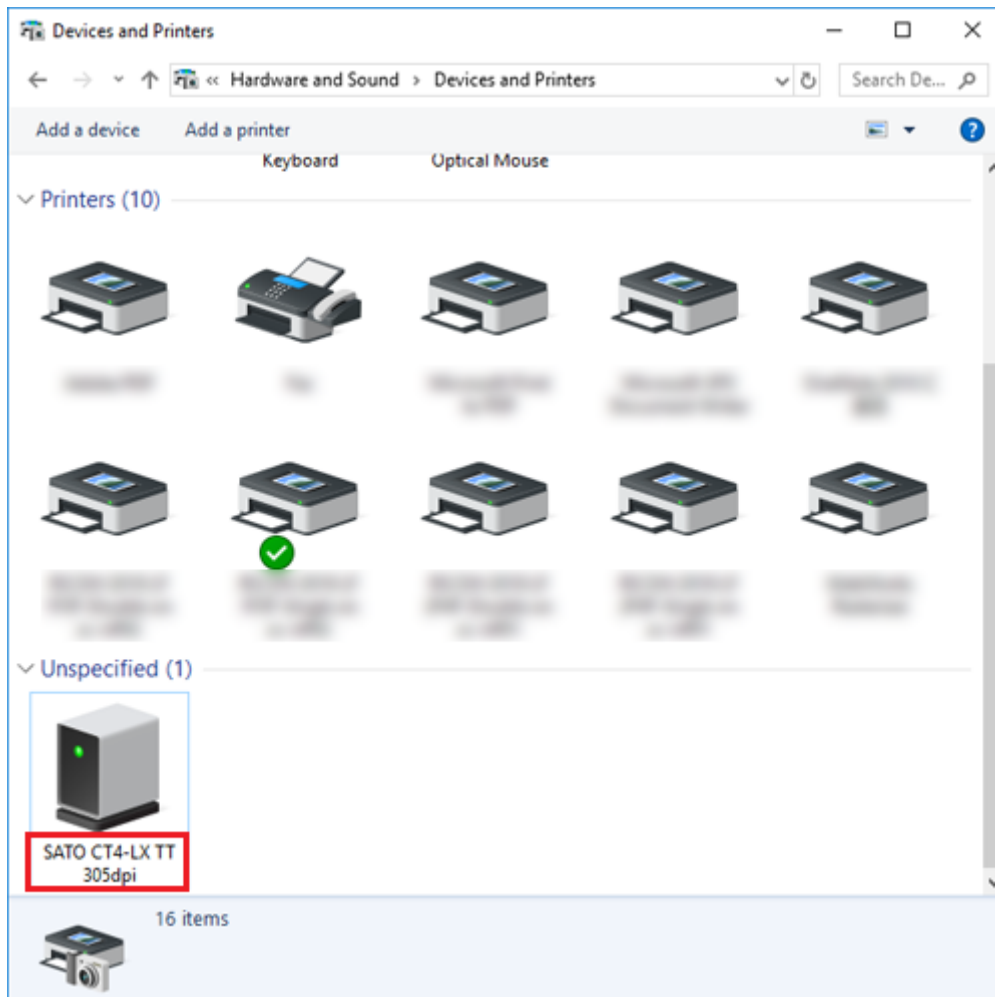


10. Open [Devices and Printers] and confirm that the product has been added to the list of printers.

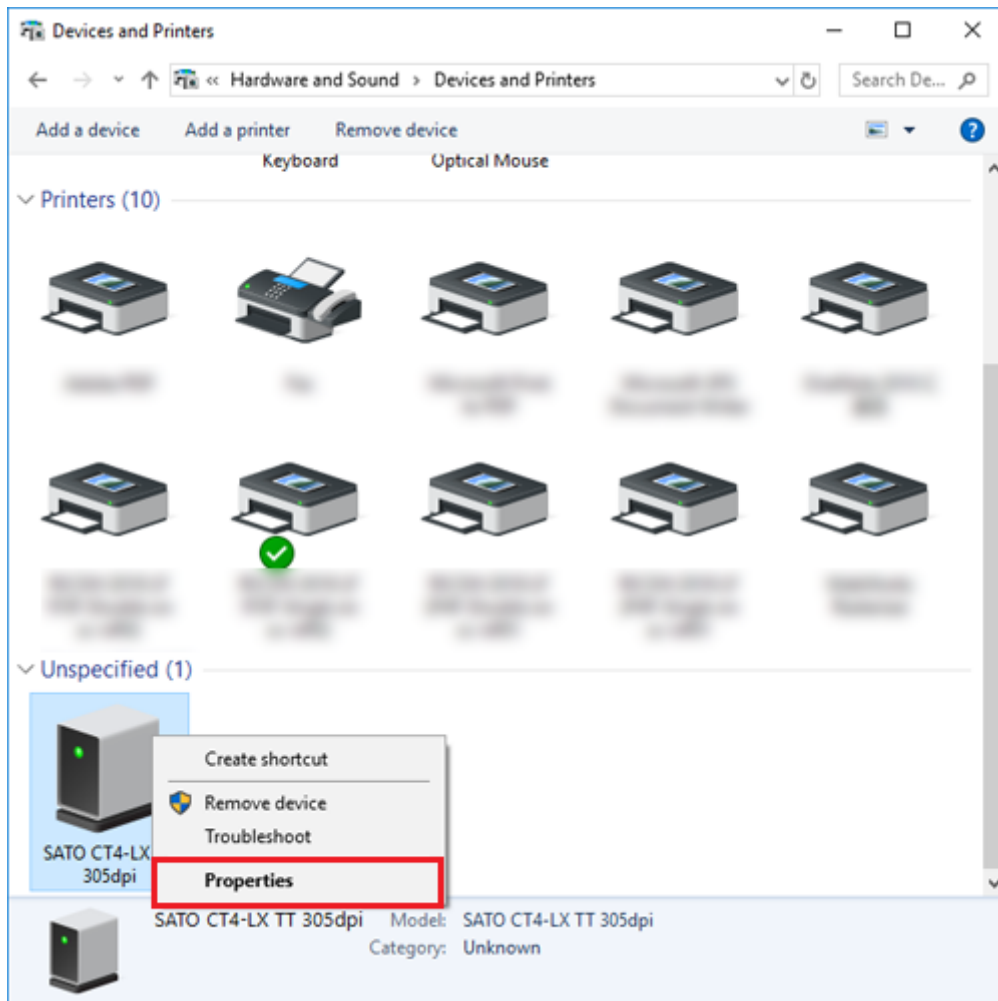


What to do if the product is added under [Unspecified]

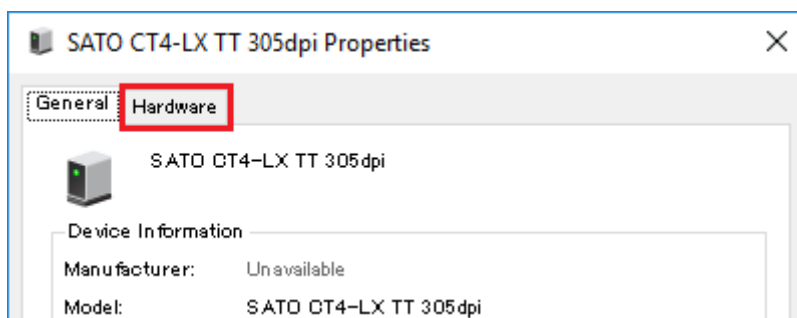
If the product is added under [Unspecified] in [Devices and Printers], it will not be recognized as a printer. Follow the procedure below to recognize it as a printer.



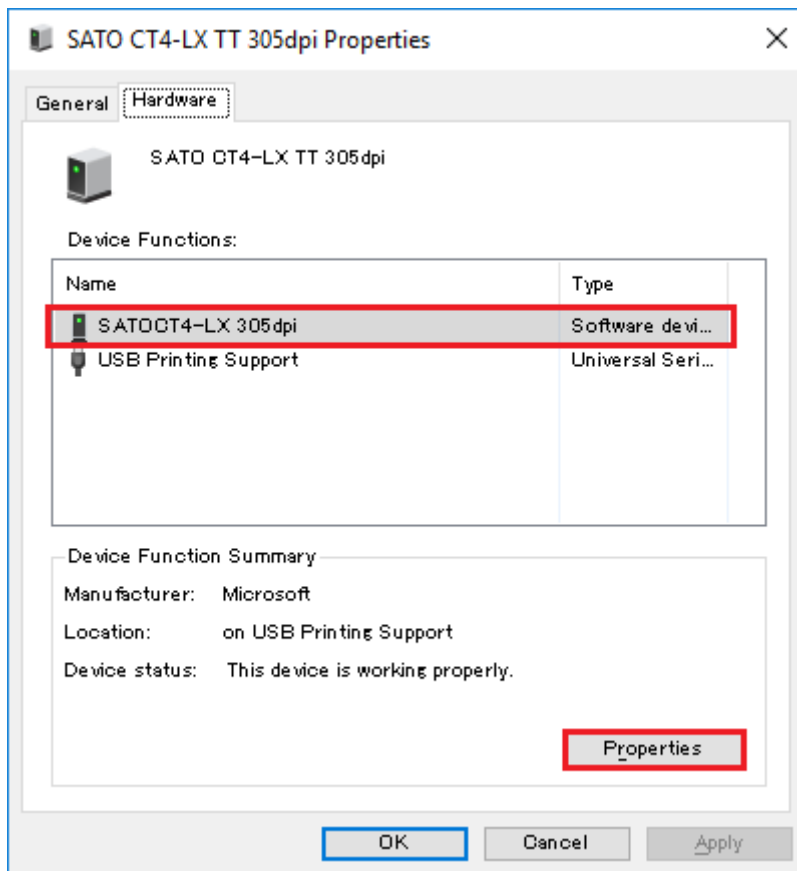
1. Open [Devices and Printers], right-click the product added under [Unspecified], and select [Properties].



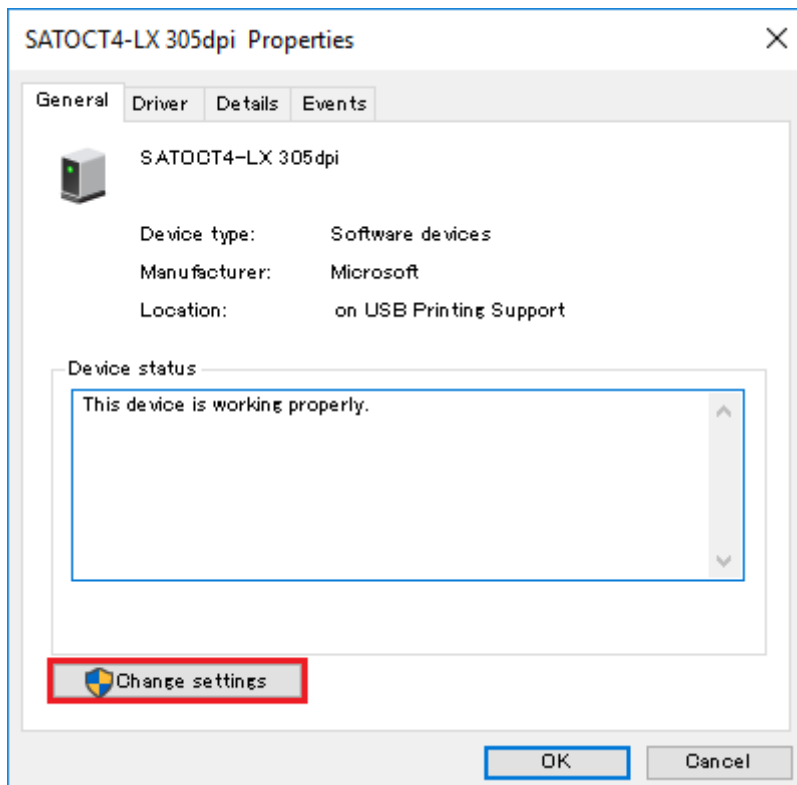
2. Select the [Hardware] tab.



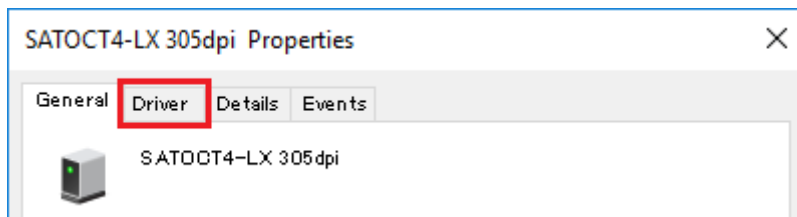
3. Select the product and click [Properties].



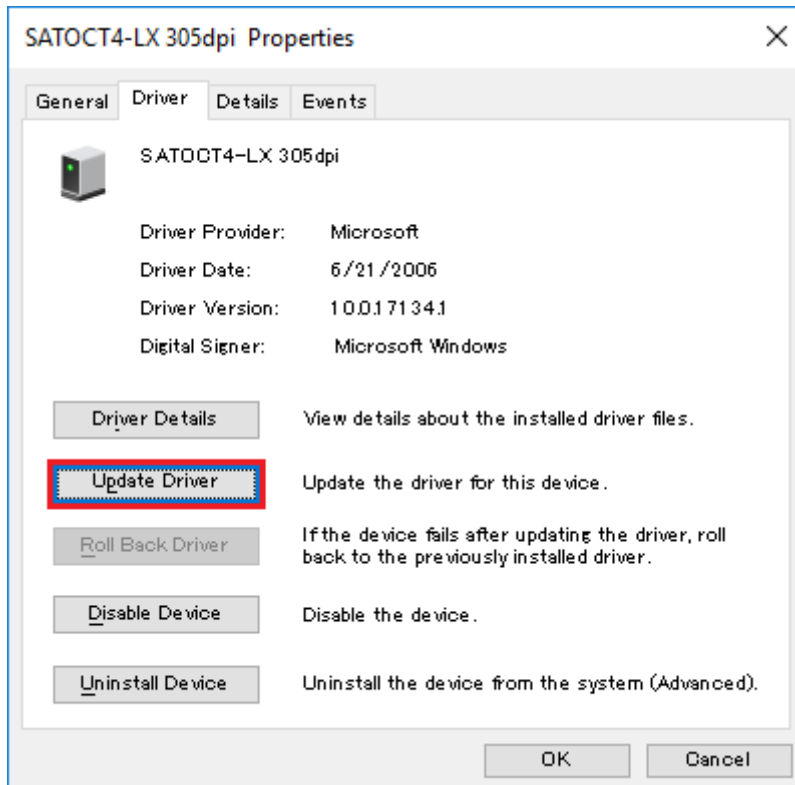
4. Click [Change settings].



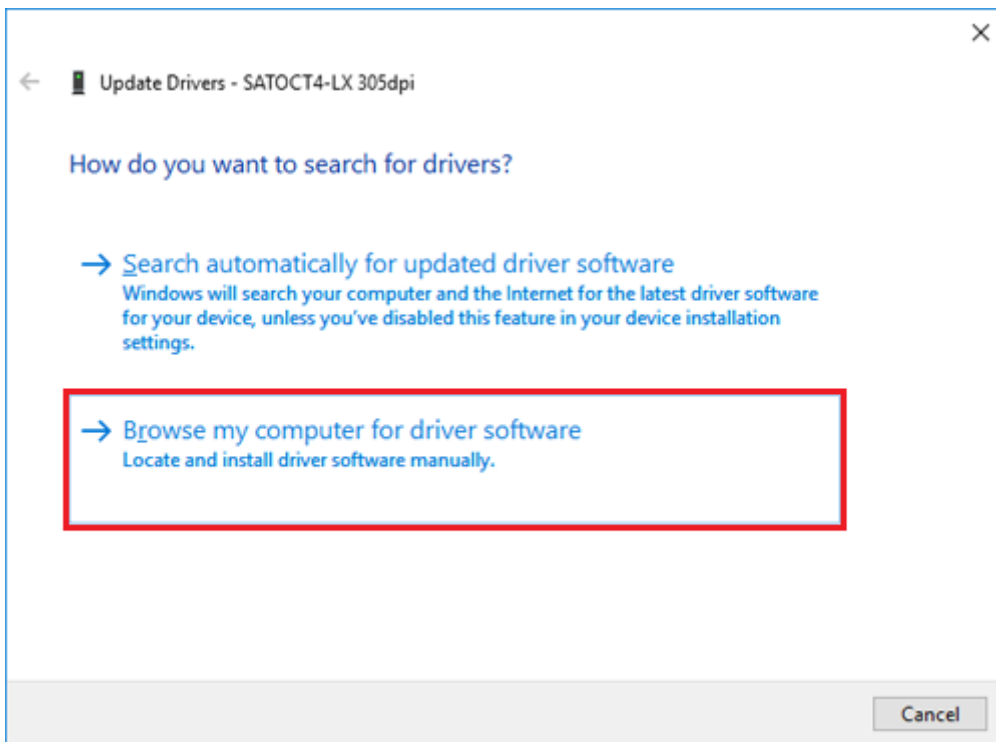
5. Select the [Driver] tab.



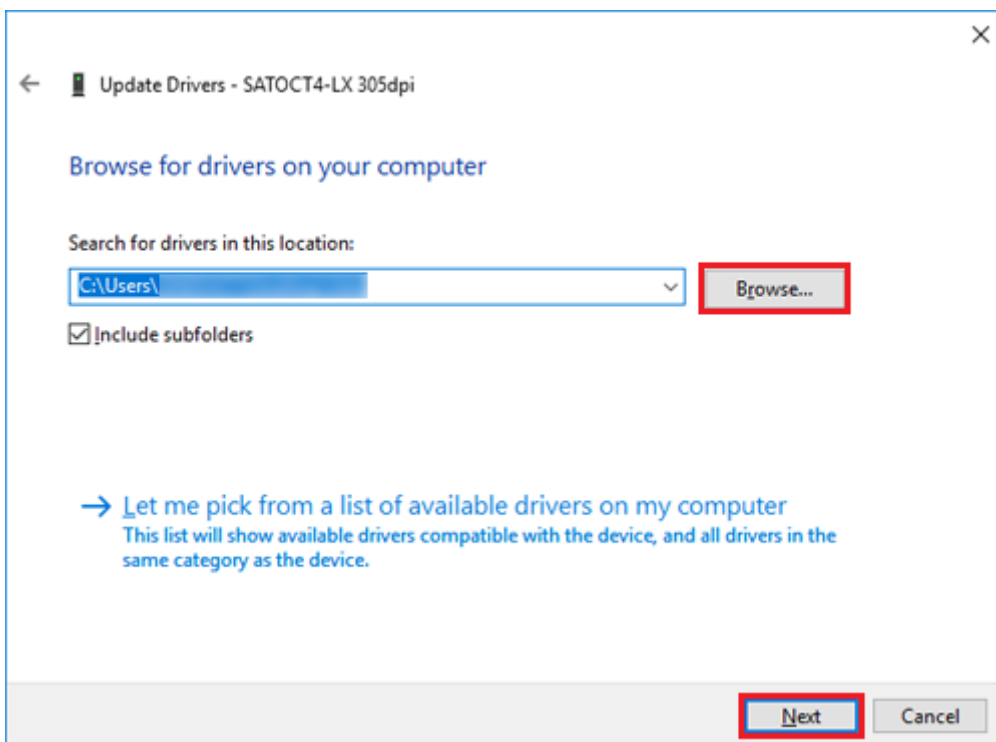
6. Click [Update Driver].



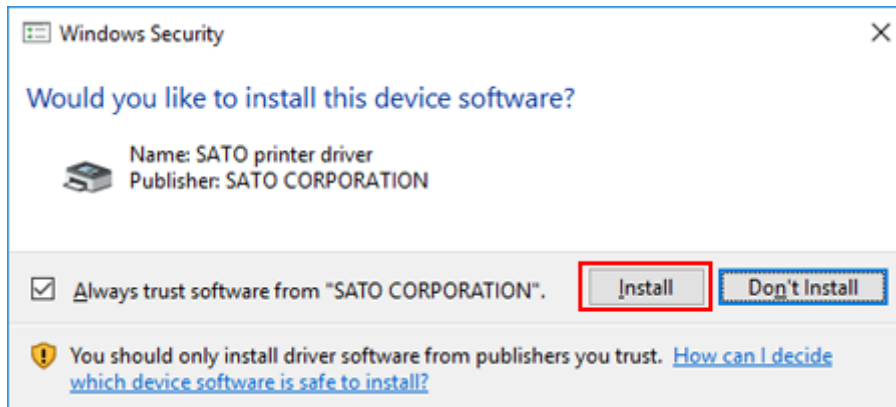
7. Click [Browse my computer for driver software].



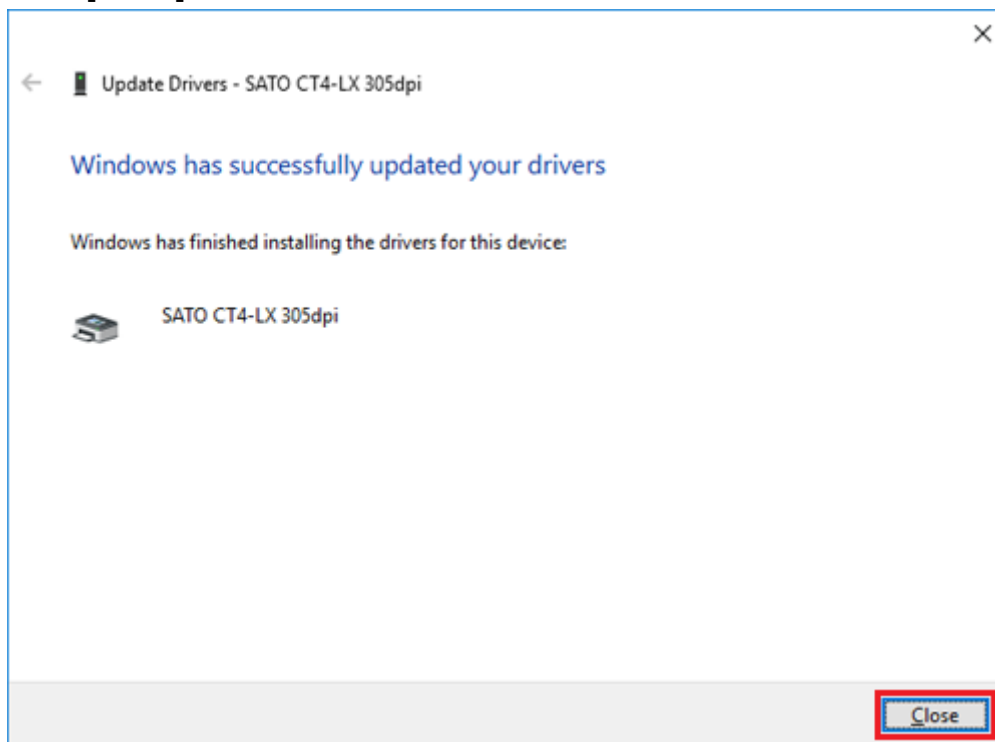
8. Click [Browse], specify the folder where the printer driver was extracted to, and click [Next].



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

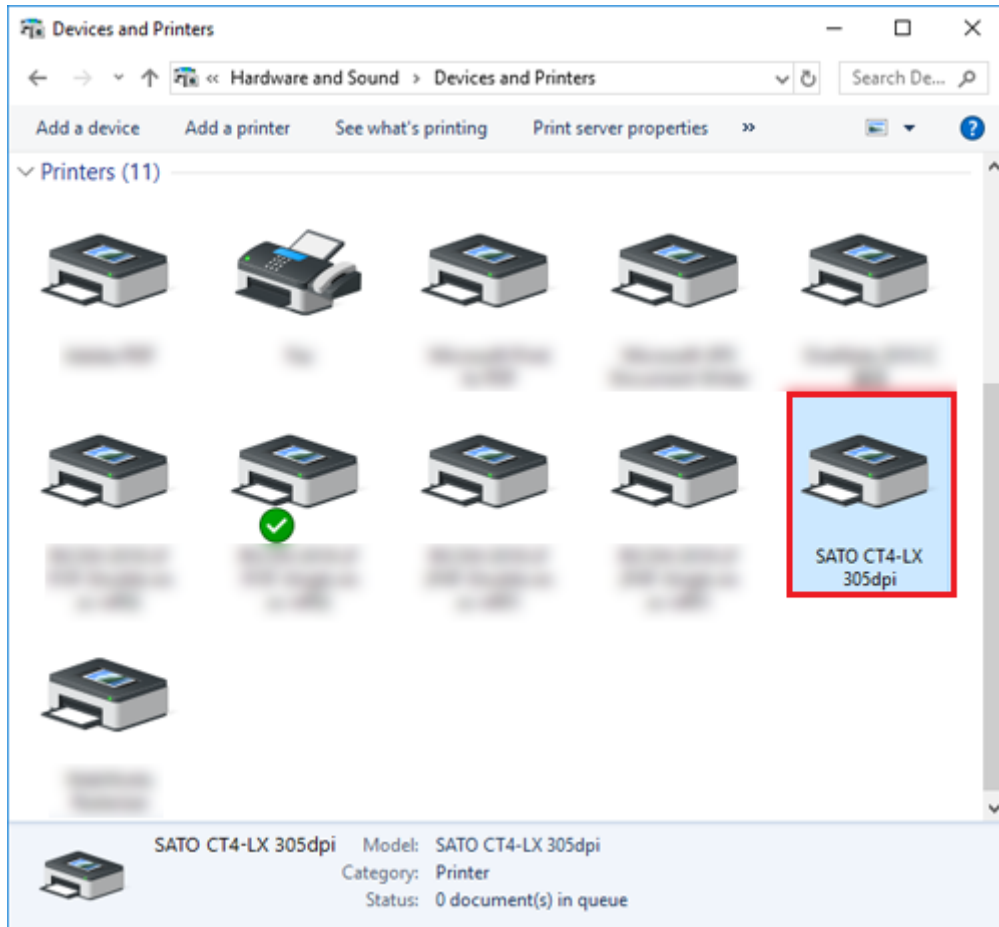


9. Click [Close].



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

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



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]

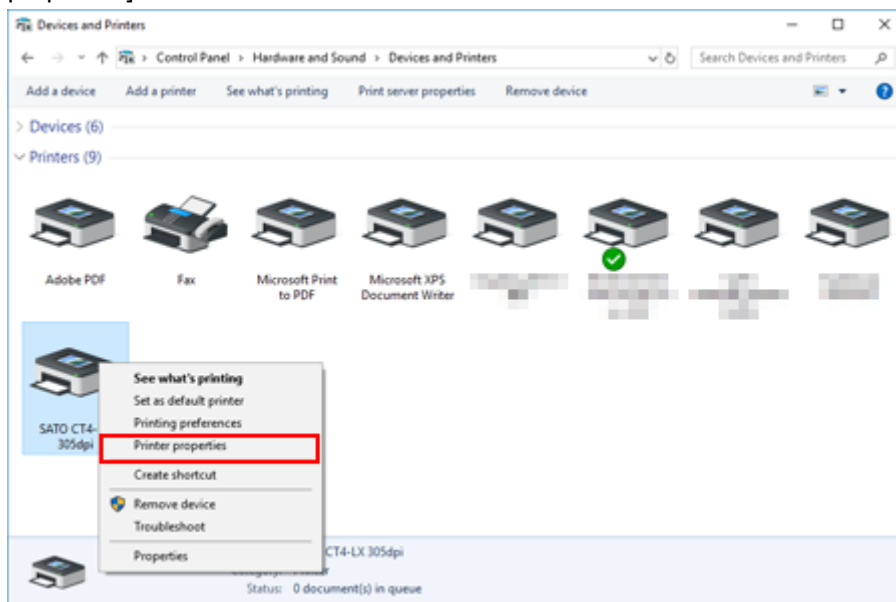
- This setting is used for an administrator to manage default values and settings of other users.
- Settings changed in [Printing Defaults] are applied to [Preferences] for other users.
- The default values for [Preferences] of newly added users are the settings for [Printing Defaults] at the time the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

[Preferences]

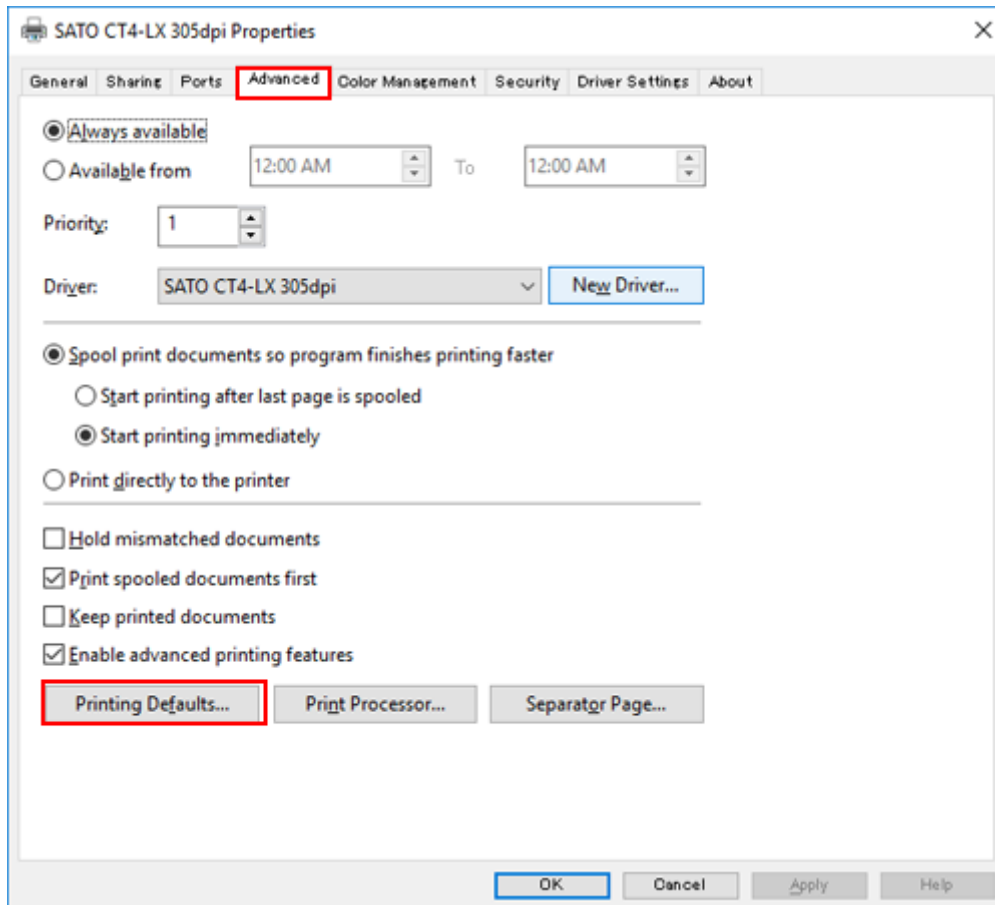
- This setting is used to change individual user settings.
- Settings changed in [Preferences] do not affect the settings of other users. Settings changed in [Preferences] take priority over settings in [Printing Defaults].

Opening [Printing Defaults]

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

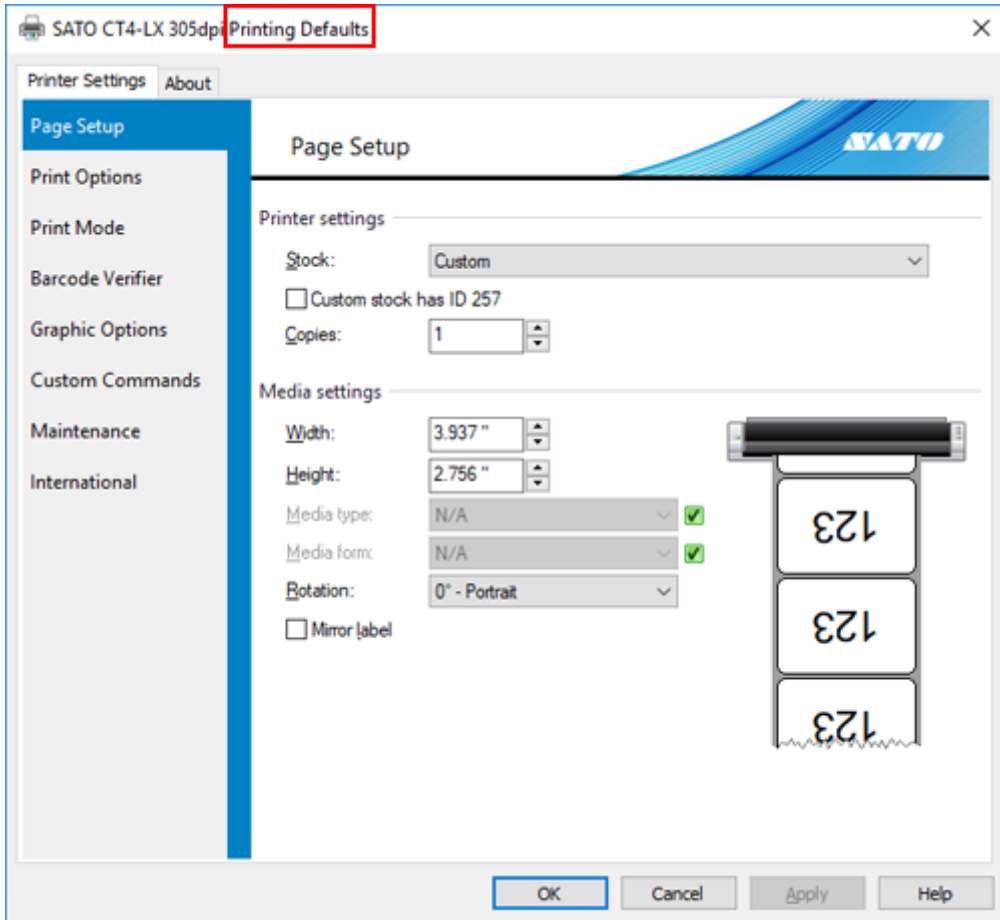


2. Click the [Advanced] tab and then [Printing Defaults].



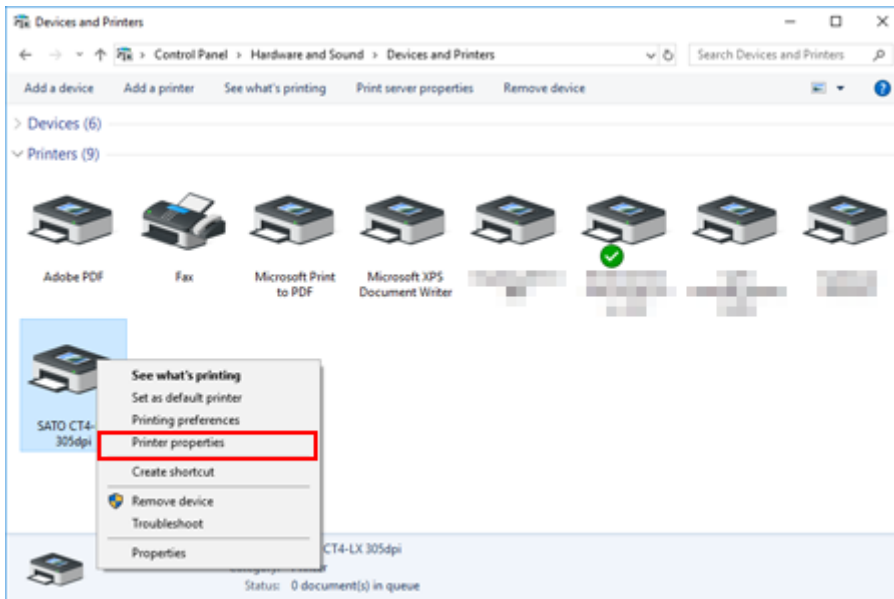
The [Printing Defaults] screen appears.

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

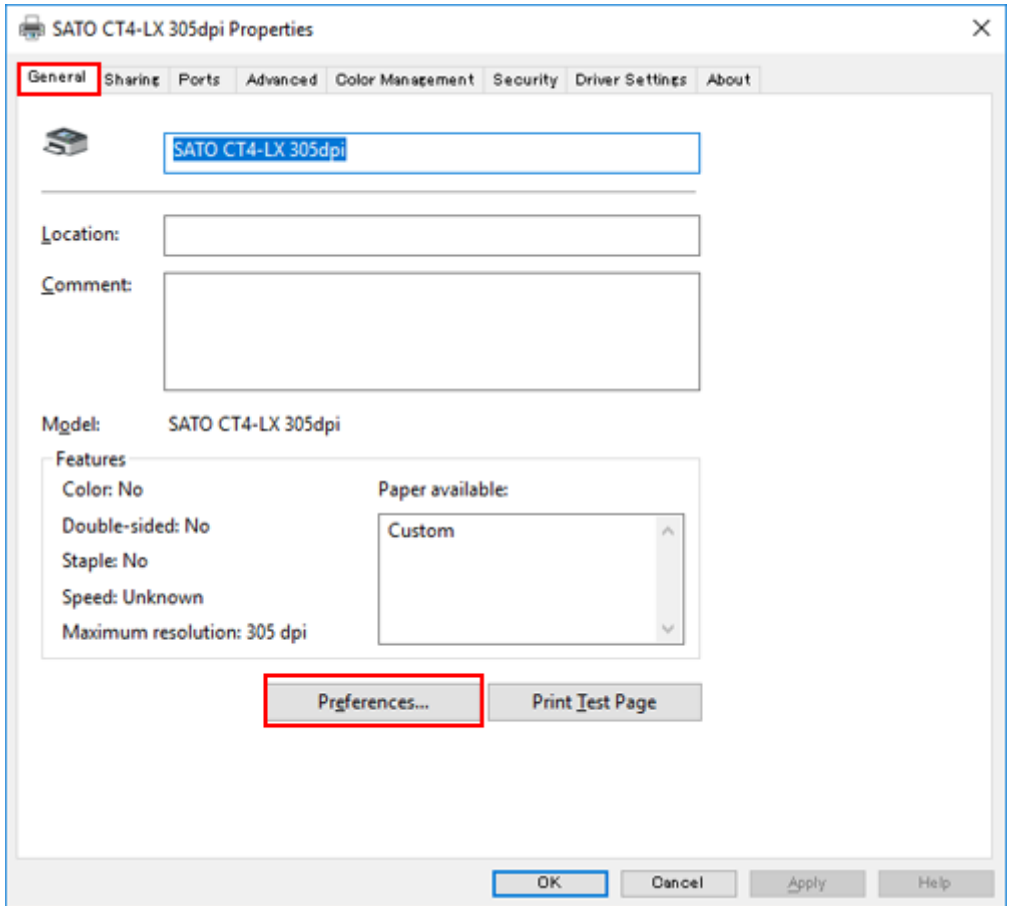


Opening [Preferences]

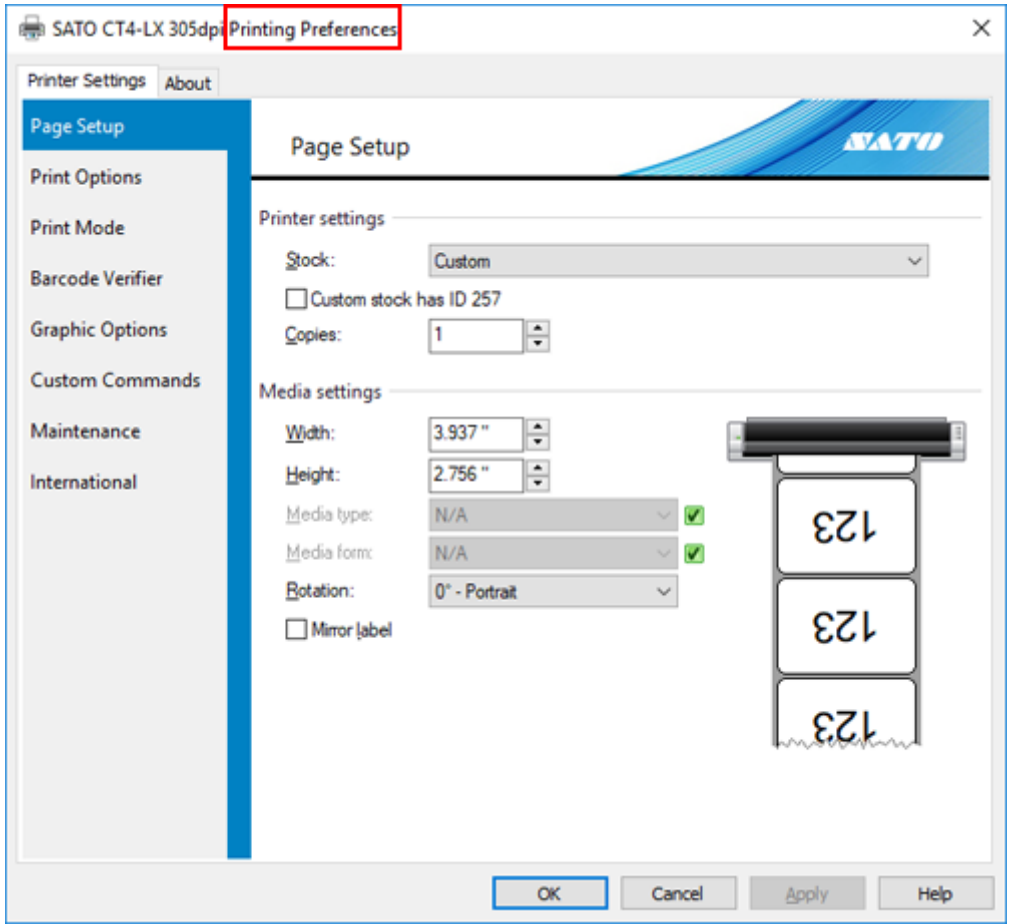
1. Open [Devices and Printers], right-click the icon of the desired product, and select [Printer properties].



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



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





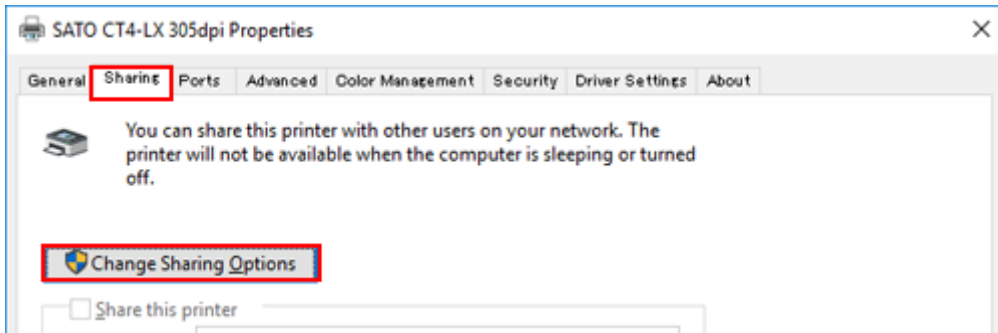
- The settings in [Preferences] should be done by the administrator. If you change a setting value or add a printer port through someone other than the administrator, an error screen appears and the processes you operated are not reflected.
-

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].



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

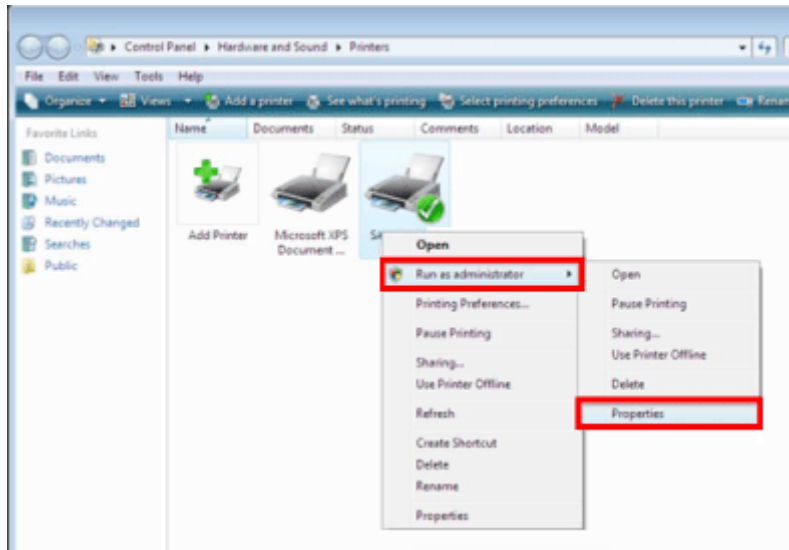
What to do if [Change Sharing Options] is not displayed

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].



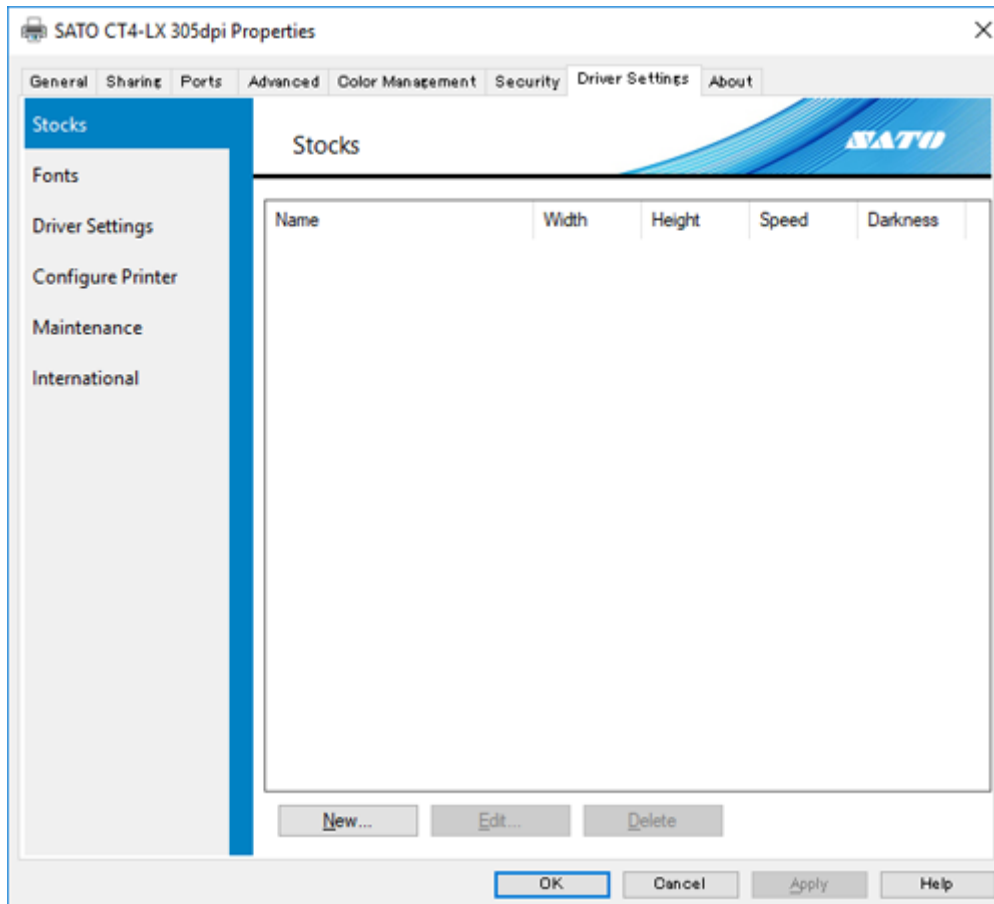
Settings on the [Driver Settings] Tab

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.



[New]

Register a new stock.

[Edit]

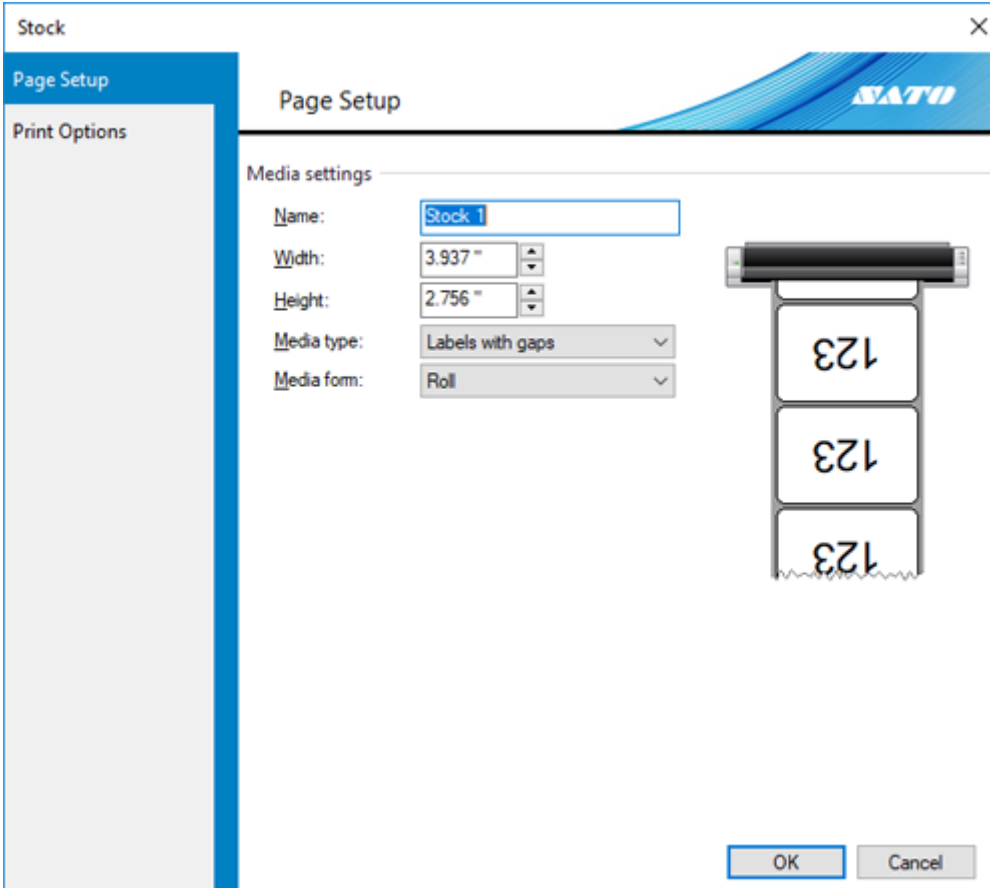
Edit the details of registered stock.

[Delete]

Delete registered stock.

[Page Setup]

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]

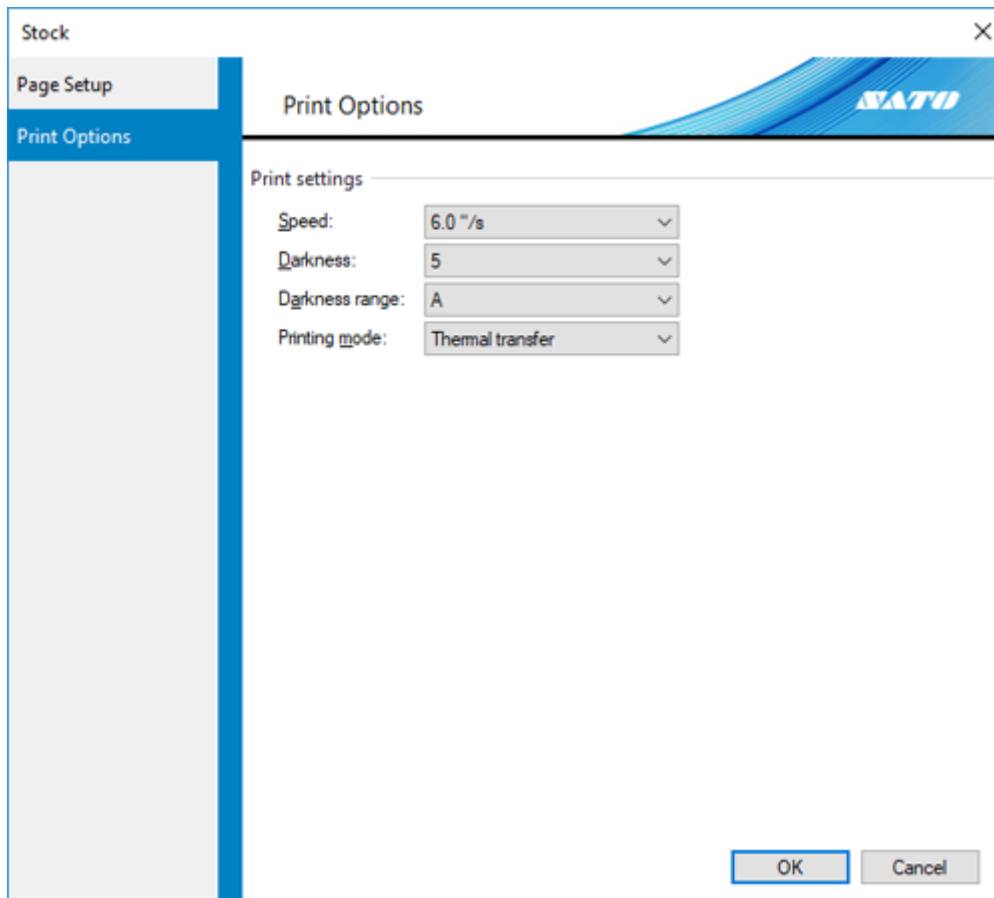
For the sensor type to detect the top of the media, you can select [Labels with gaps], [Labels with black marks], or [Continuous labels].

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]



[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]

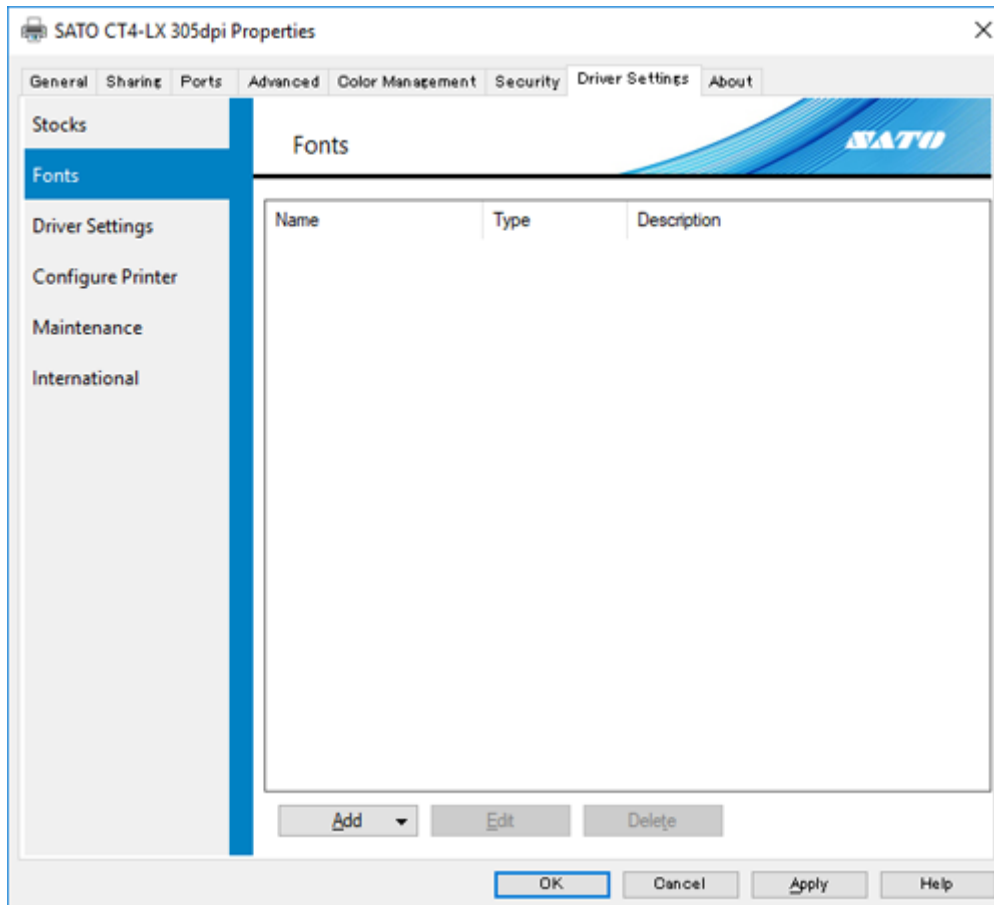
This shows the print darkness range for the stock that you set on the [Page Setup] screen. For details, refer to "CT4-LX Operator Manual".

[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]

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.

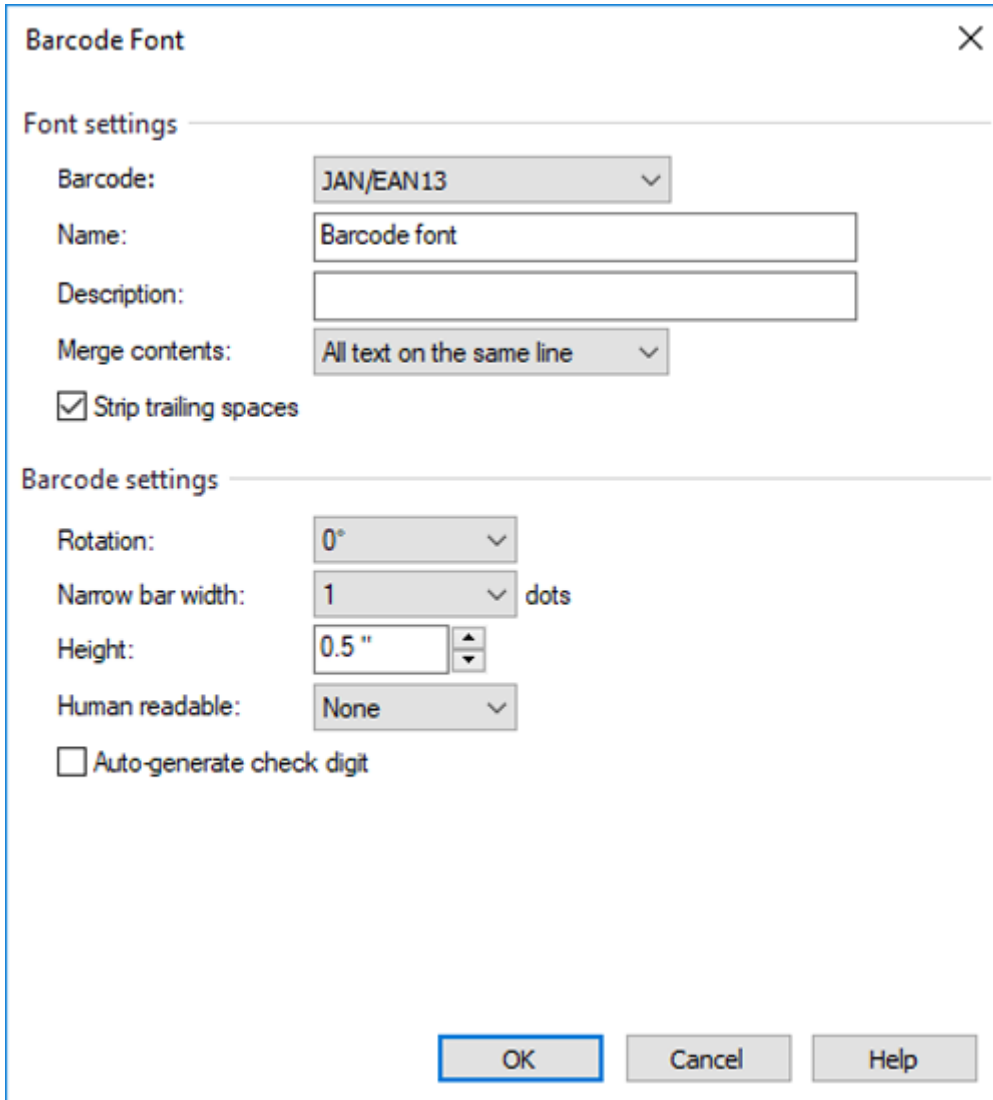
[Delete]

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.



The image shows a dialog box titled "Barcode Font" with a close button (X) in the top right corner. The dialog is divided into two sections: "Font settings" and "Barcode settings".

Font settings:

- Barcode: JAN/EAN13 (dropdown menu)
- Name: Barcode font (text input field)
- Description: (empty text input field)
- Merge contents: All text on the same line (dropdown menu)
- Strip trailing spaces

Barcode settings:

- Rotation: 0° (dropdown menu)
- Narrow bar width: 1 (dropdown menu) dots
- Height: 0.5" (text input field with up/down arrows)
- Human readable: None (dropdown menu)
- Auto-generate check digit

At the bottom of the dialog are three buttons: OK, Cancel, and 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).

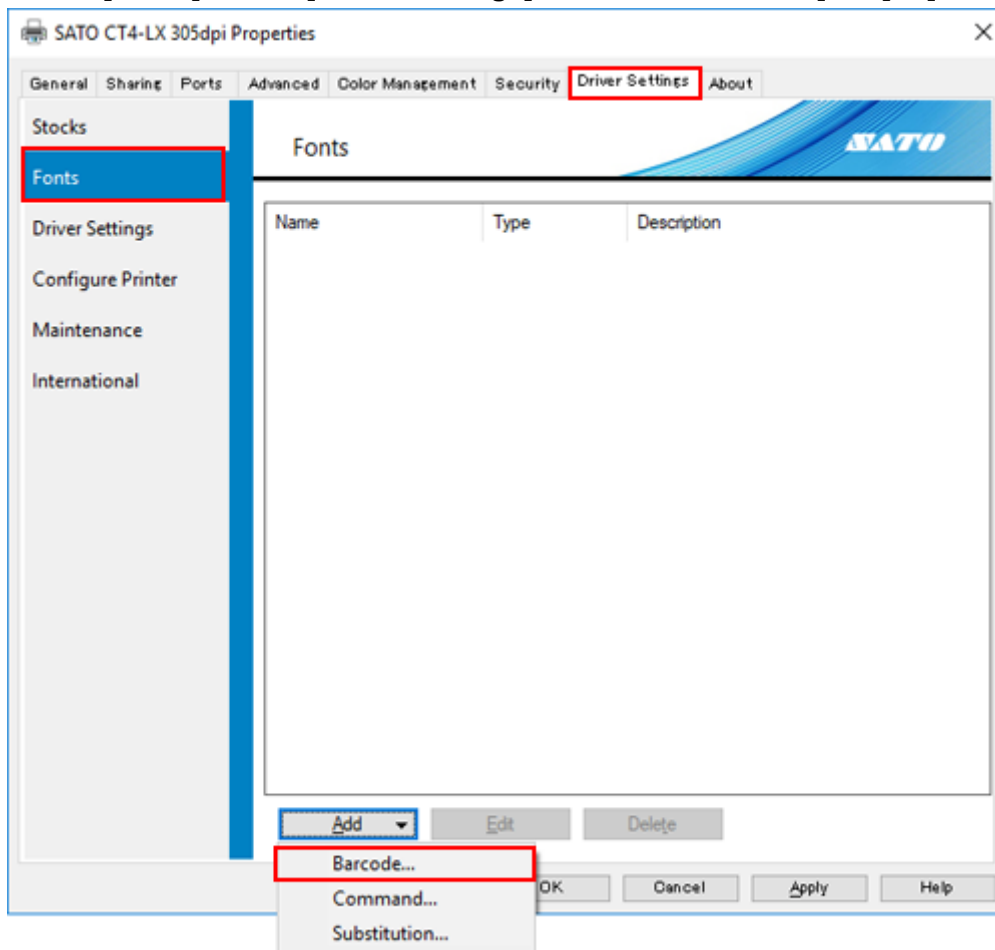
[Auto-generate check digit]

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].



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

[Barcode]

[Code-39]

[Name]

E.g., "SATO_Code39"

Barcode Font ×

Font settings

Barcode: Code-39 ▼

Name: SATO_Code39

Description:

Merge contents: All text on the same line ▼

Strip trailing spaces

Barcode settings

Rotation: 0° ▼

Narrow bar width: 1 ▼ dots

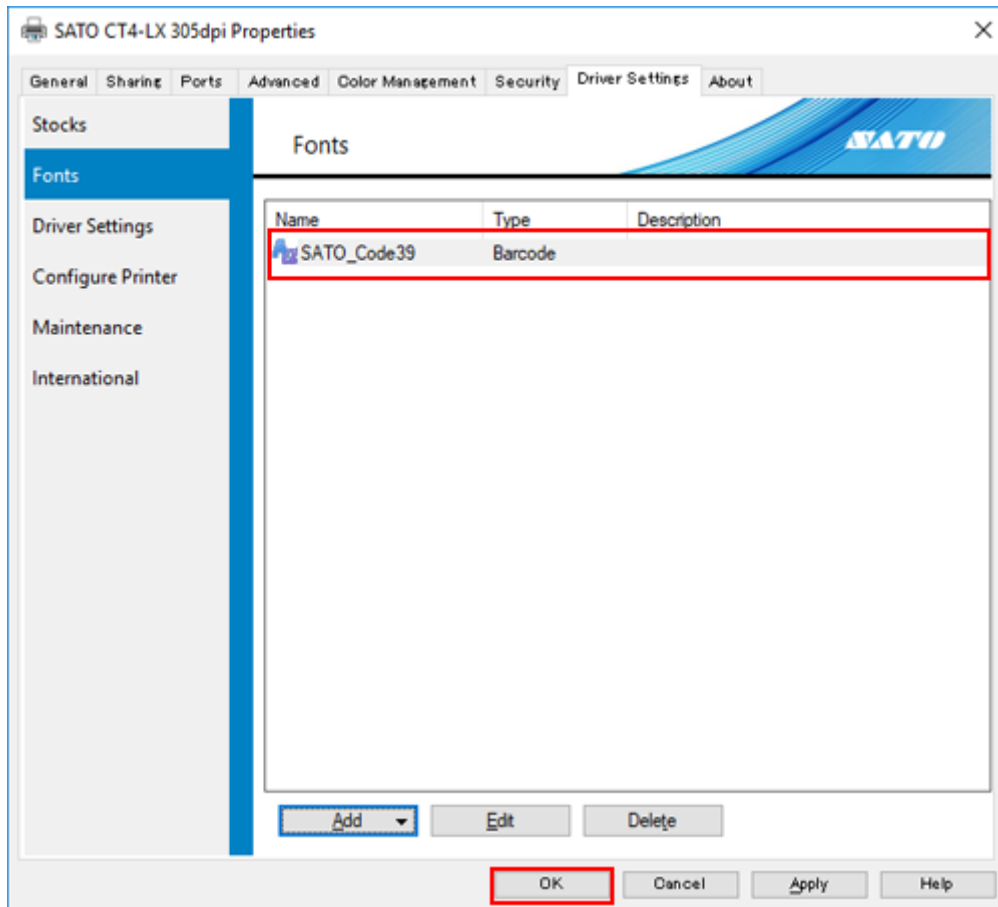
Ratio: 1:2 ▼

Height: 0.5 " ▲▼

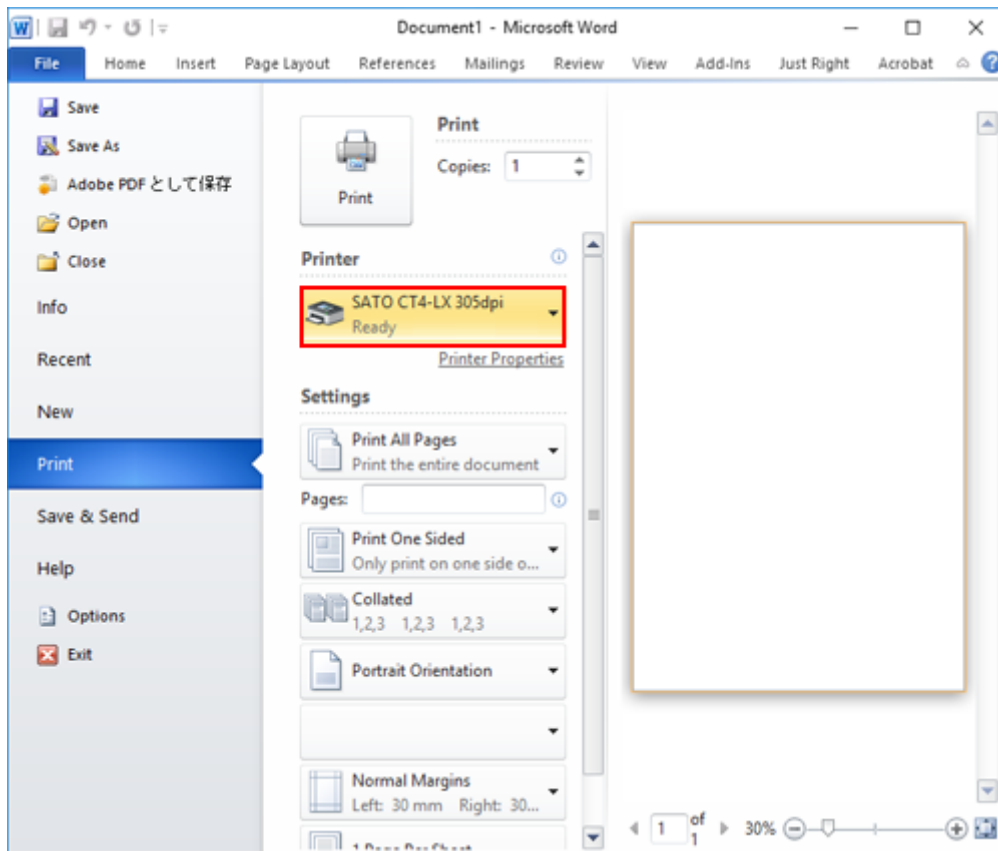
Human readable: None ▼

Auto-generate check digit

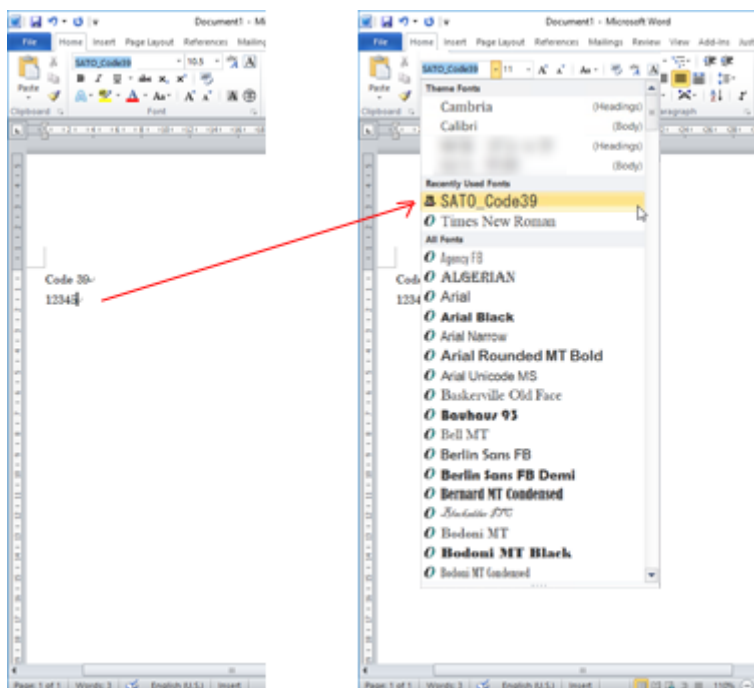
4. Confirm that the name you set for the barcode font is registered and click [OK].



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



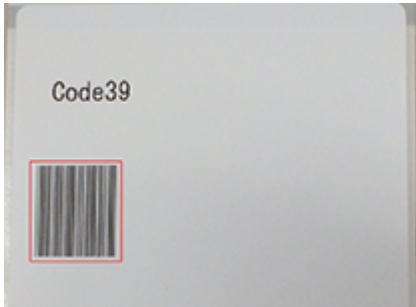
6. Enter the text that you want to convert into a barcode in the application and specify [SATO_Code39] as the text font.



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".

[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.

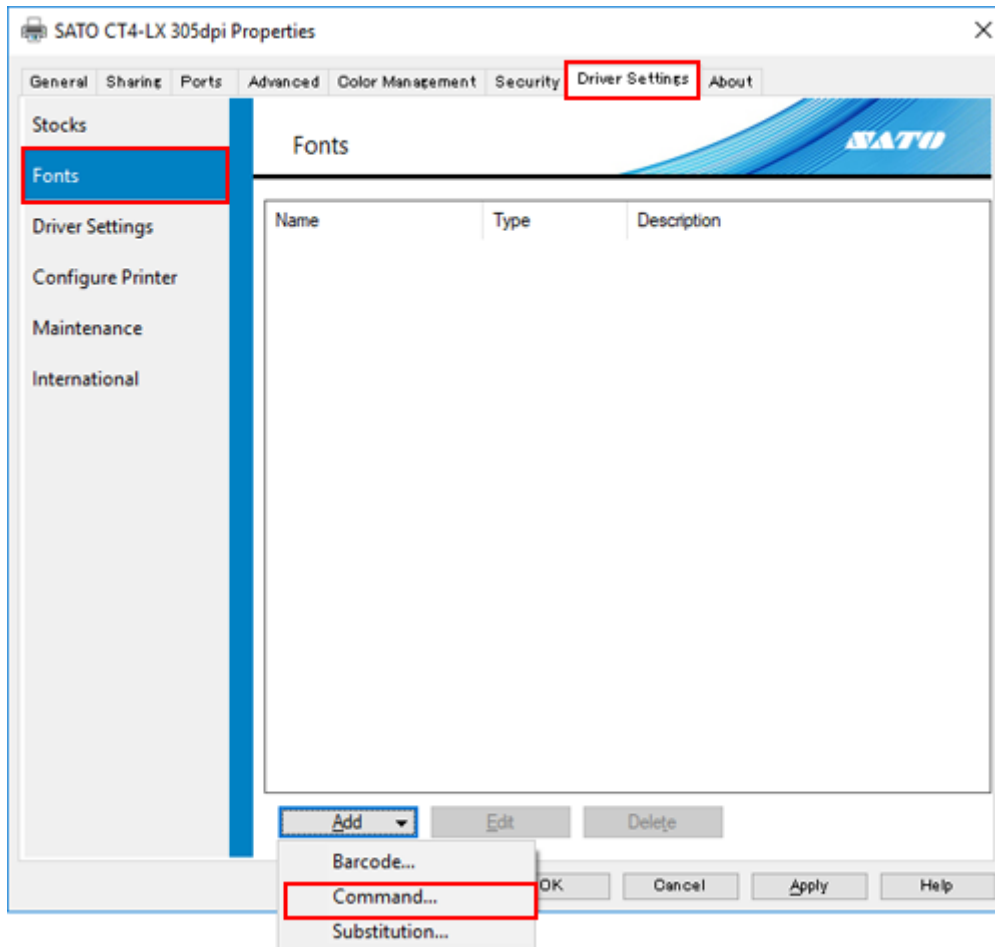
[All text on the page]

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].



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

Contents: <ESC>V<Y><ESC>H<ESC>X21

Suffix

Type: Text

Contents: 678

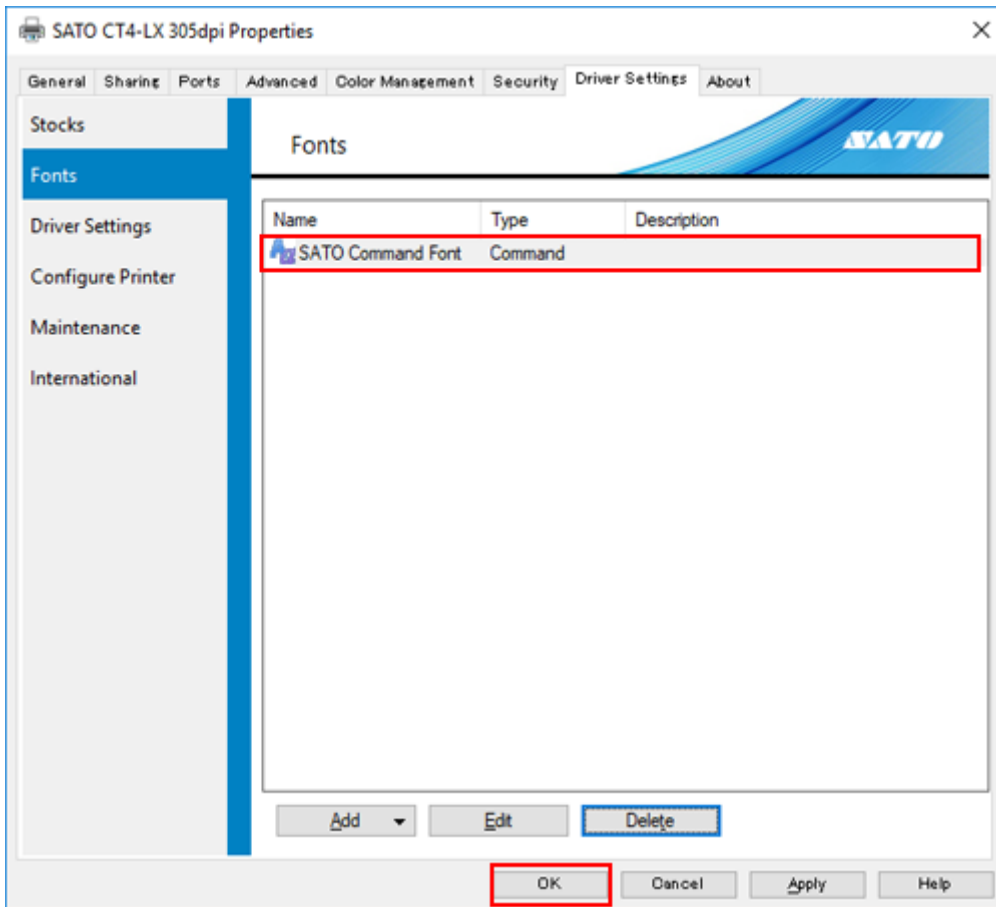
Options

Position: Element position

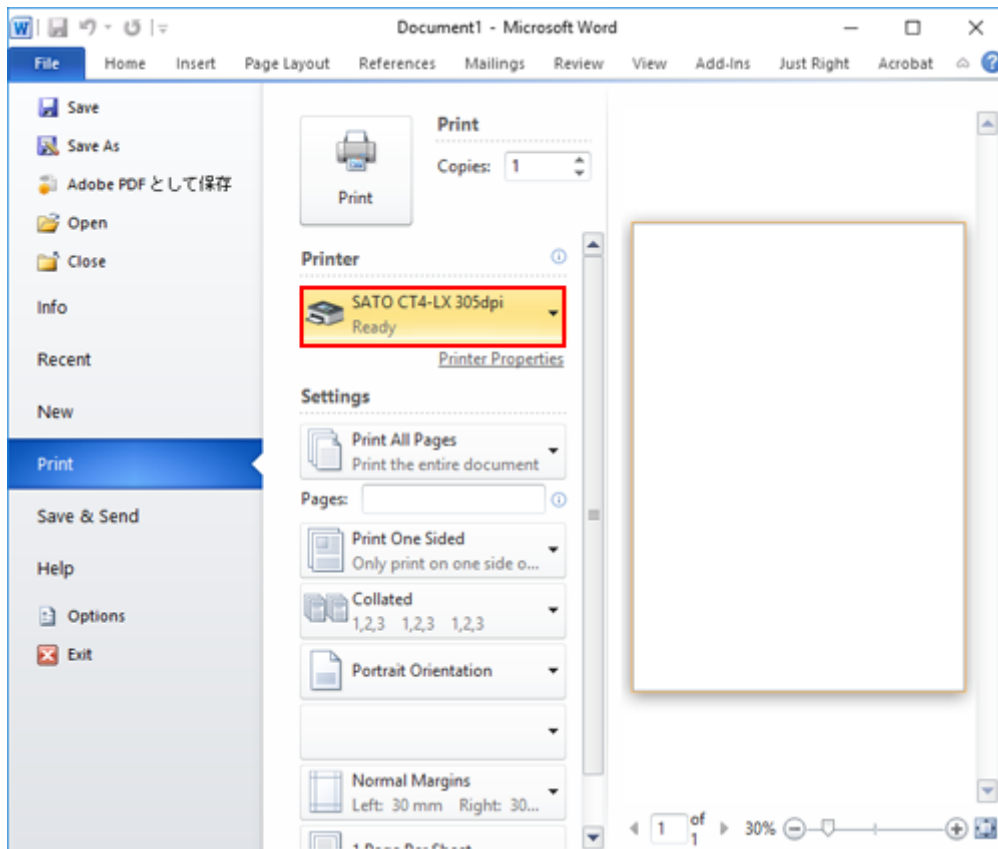
Merge contents: All text on the same line

OK Cancel Help

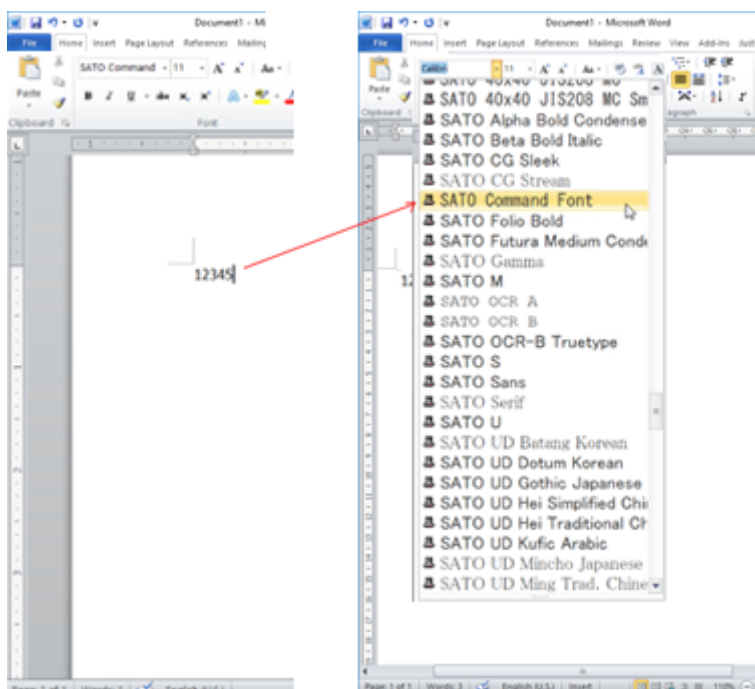
4. Confirm that the command font is registered and click [OK].



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



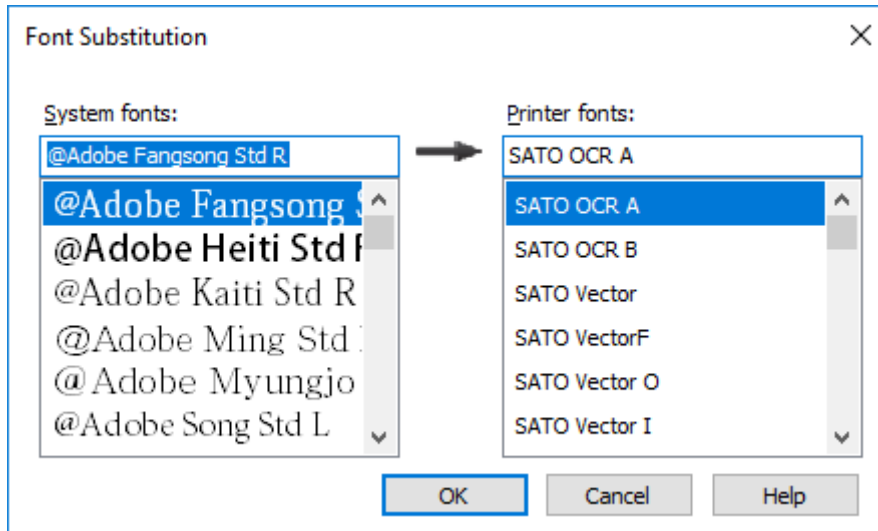
6. Enter the text in the application and specify [SATO Command Font] as the font.



7. Print the text.

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.



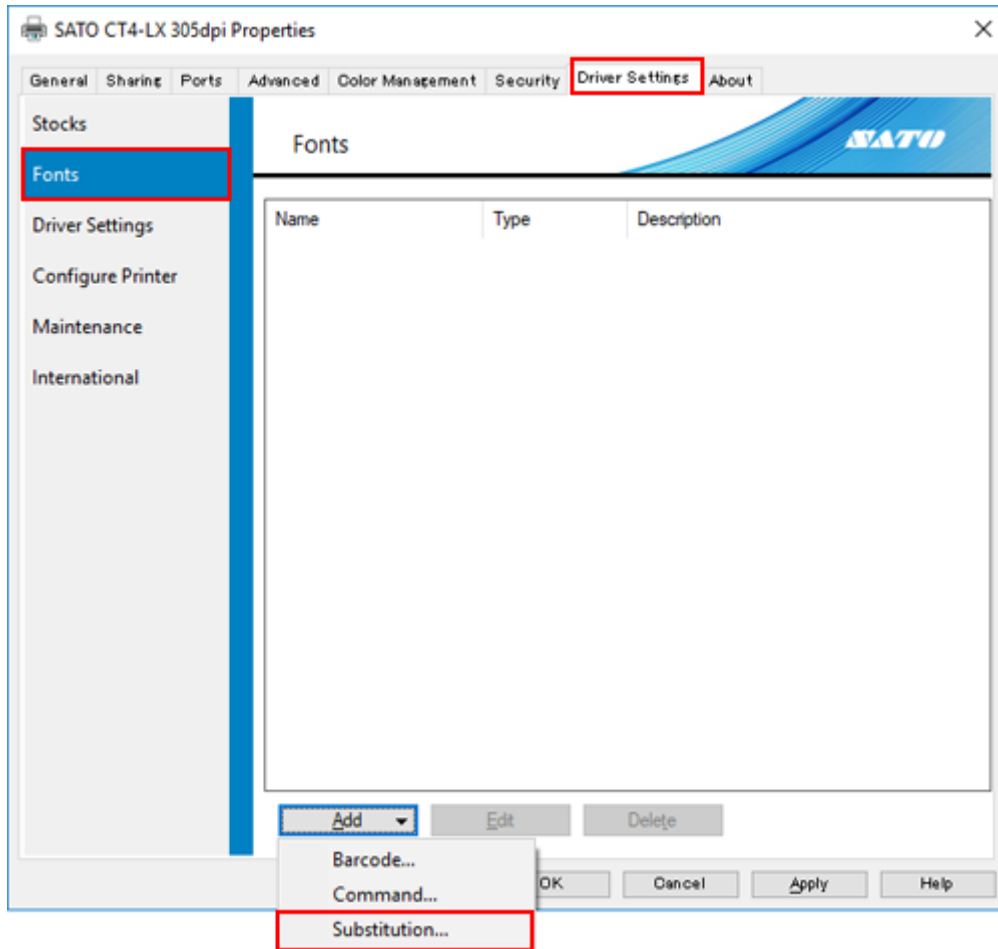
Use these fonts when you cannot select device fonts (they are not displayed) from the application font list.

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.

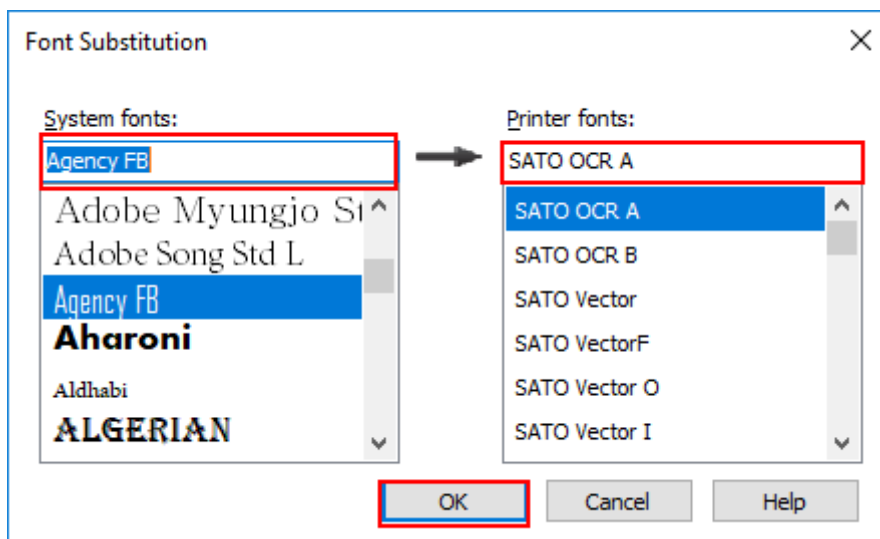
1. Open [Devices and Printers], right-click the product, and select [Printer properties].
2. Display the [Driver Settings] tab, select [Fonts], and then select [Add] > [Substitution].



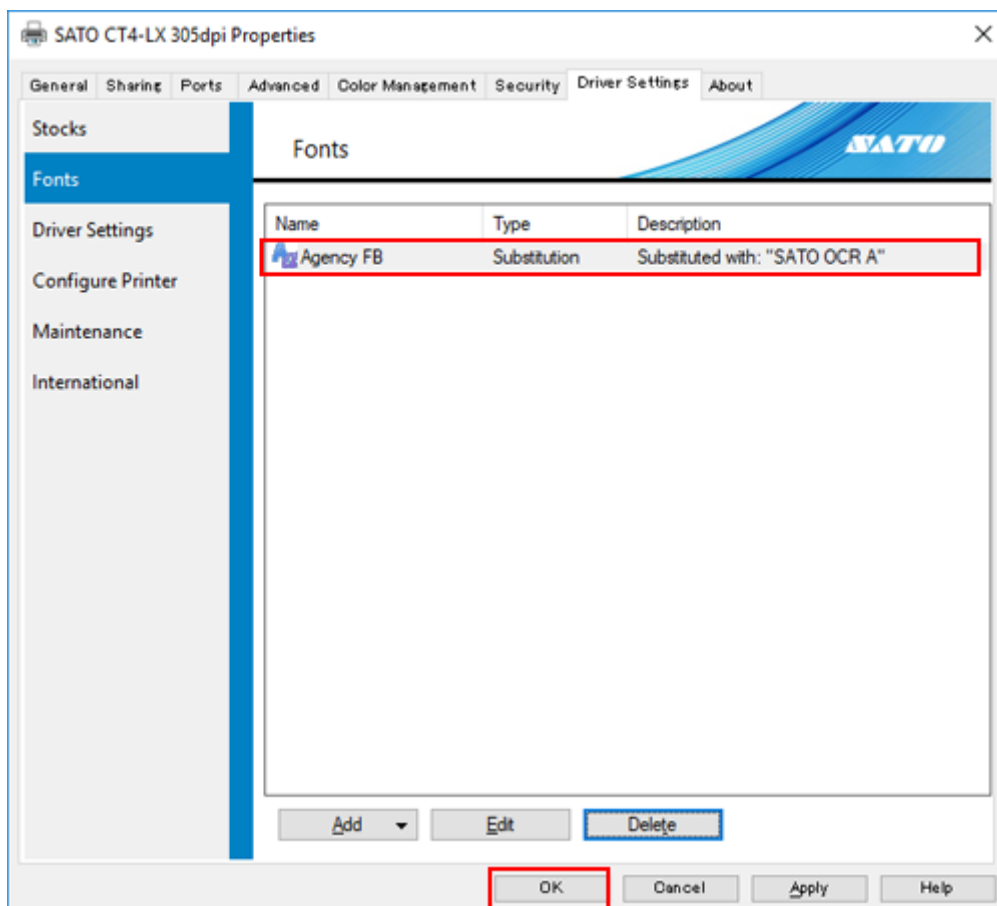
3. Configure the following settings and click [OK]:

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

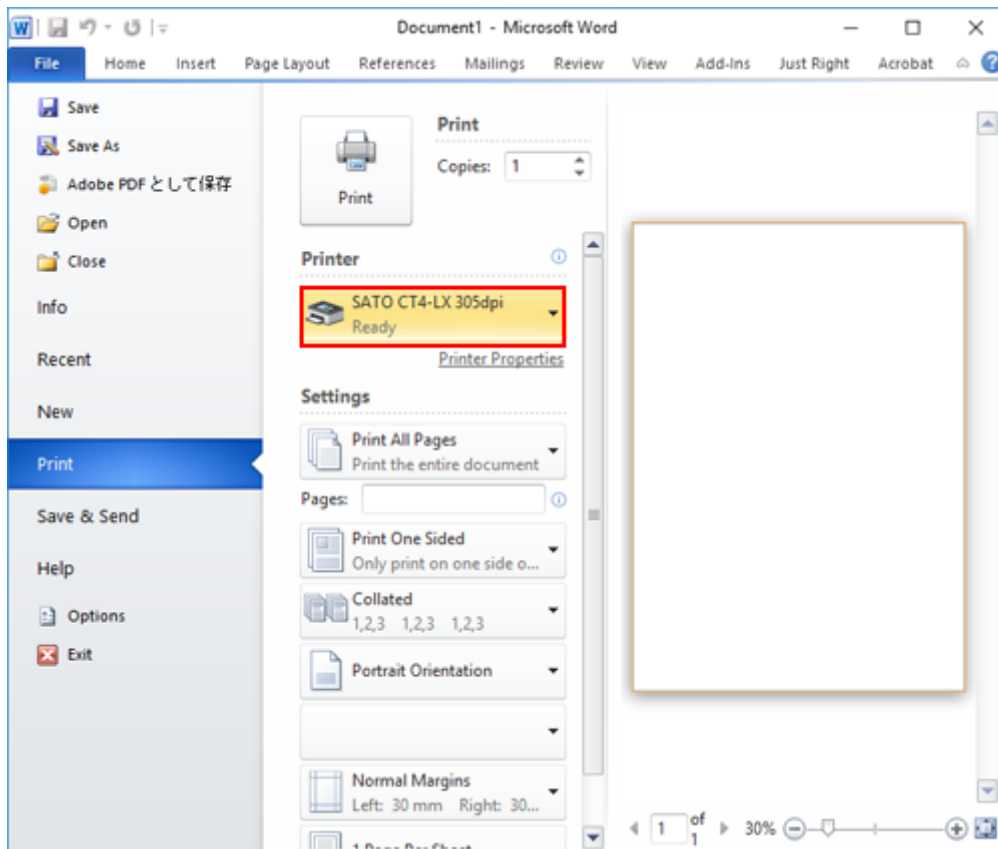
- [System fonts]: [Agency FB]
- [Printer fonts]: [SATO OCR A]



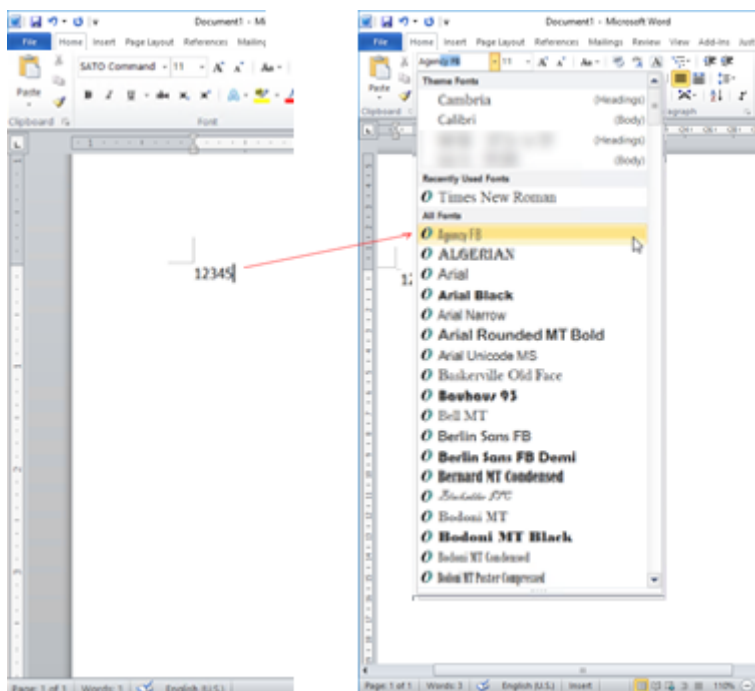
4. Confirm that the name you set for the substitution font is registered and click [OK].



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



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".



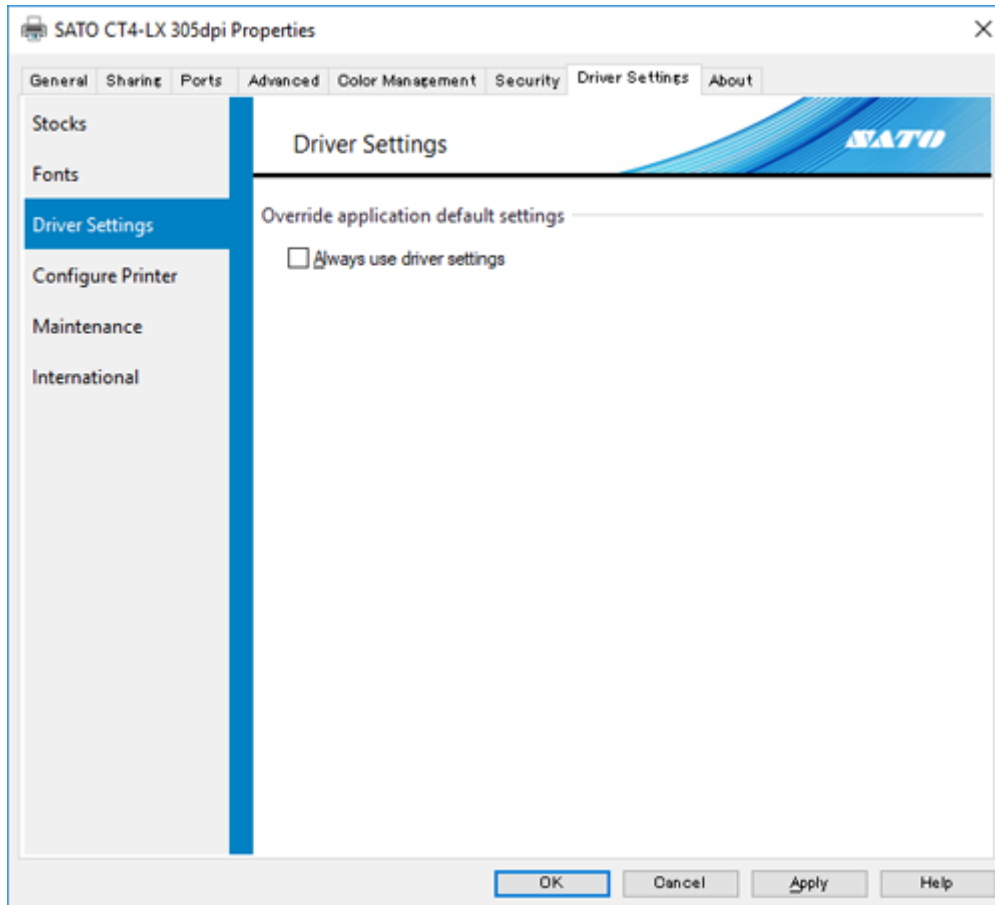
7. Print the text.

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]



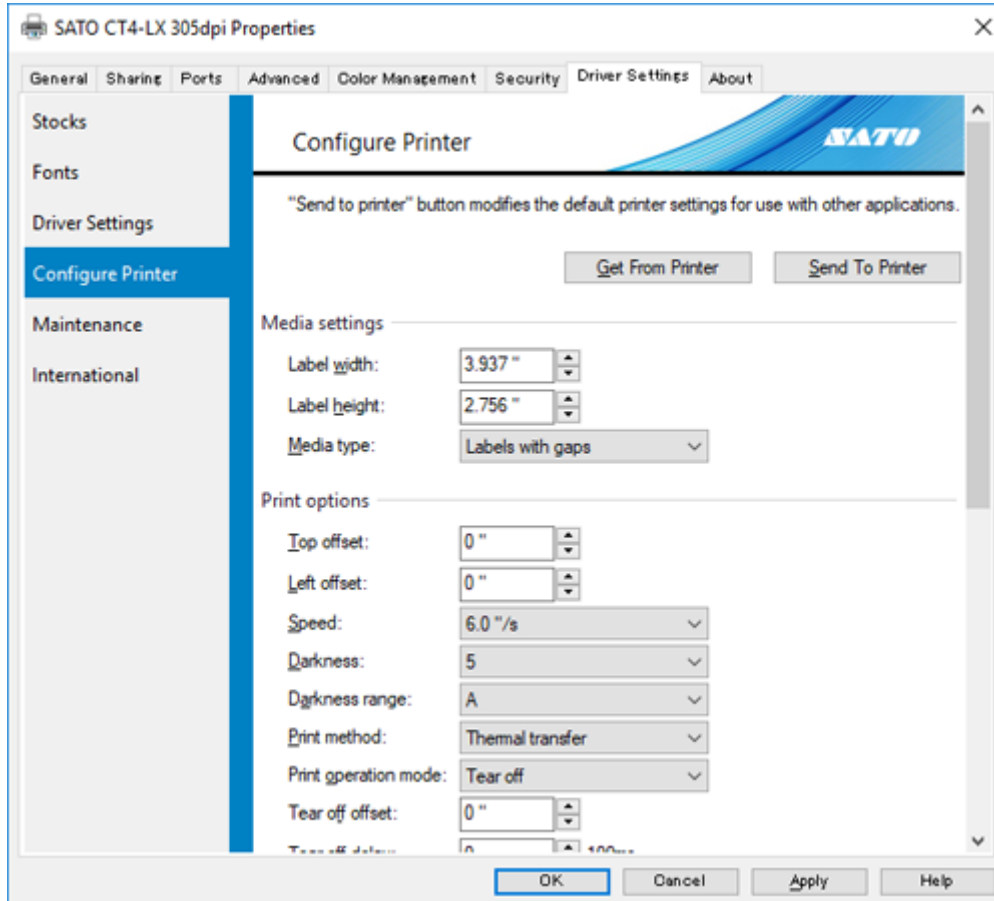
[Always use driver settings]

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.



[Get From Printer]

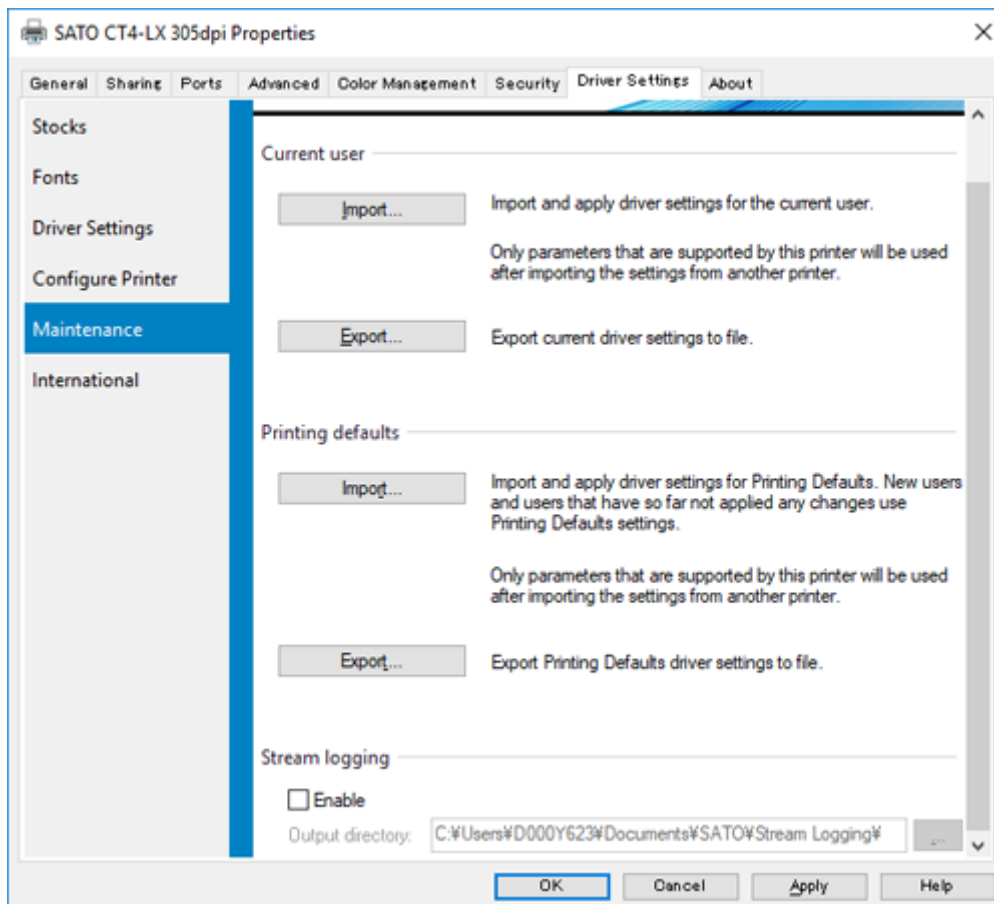
Acquires the setting from the product connected to the computer.

[Send To Printer]

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

[Maintenance]

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".

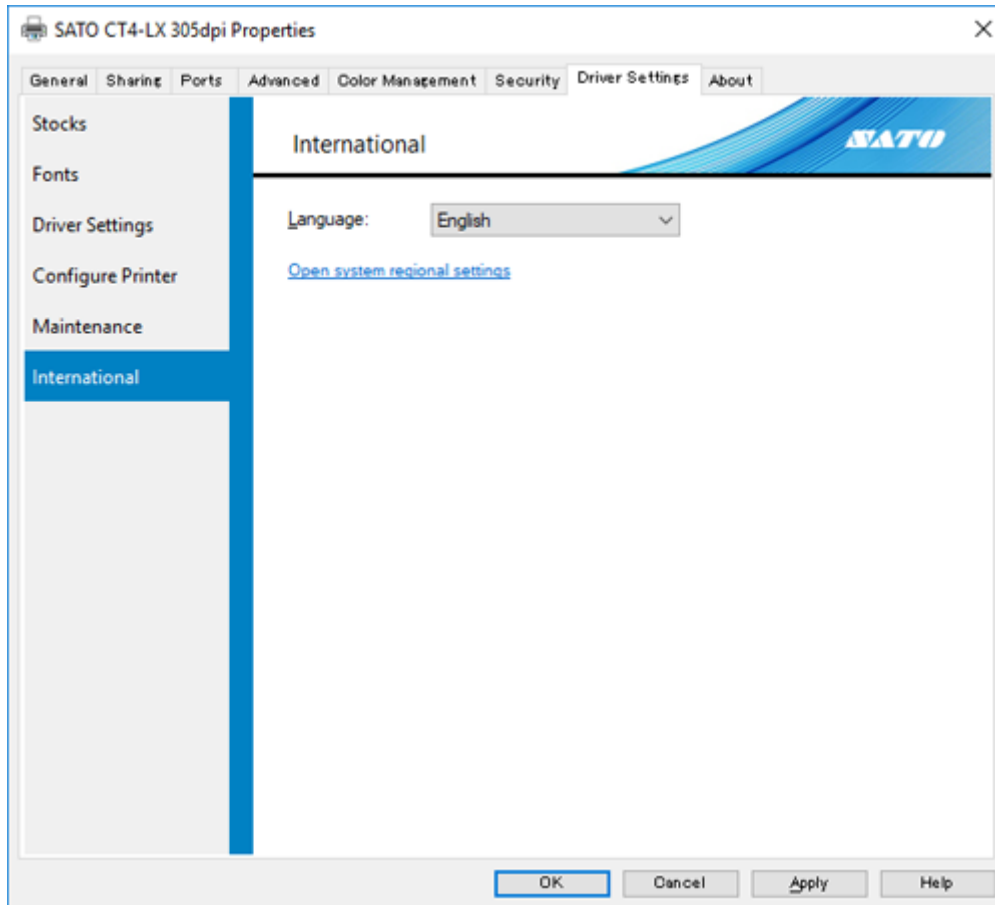
[Stream logging]

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

Speed:	6.0 "/s	<input checked="" type="checkbox"/>
Darkness:	5	<input checked="" type="checkbox"/>
Darkness range:	N/A	<input checked="" type="checkbox"/>
Printing mode:	N/A	<input checked="" type="checkbox"/>

Offset

Top:	N/A	<input checked="" type="checkbox"/>
Left:	N/A	<input checked="" type="checkbox"/>

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](#)".

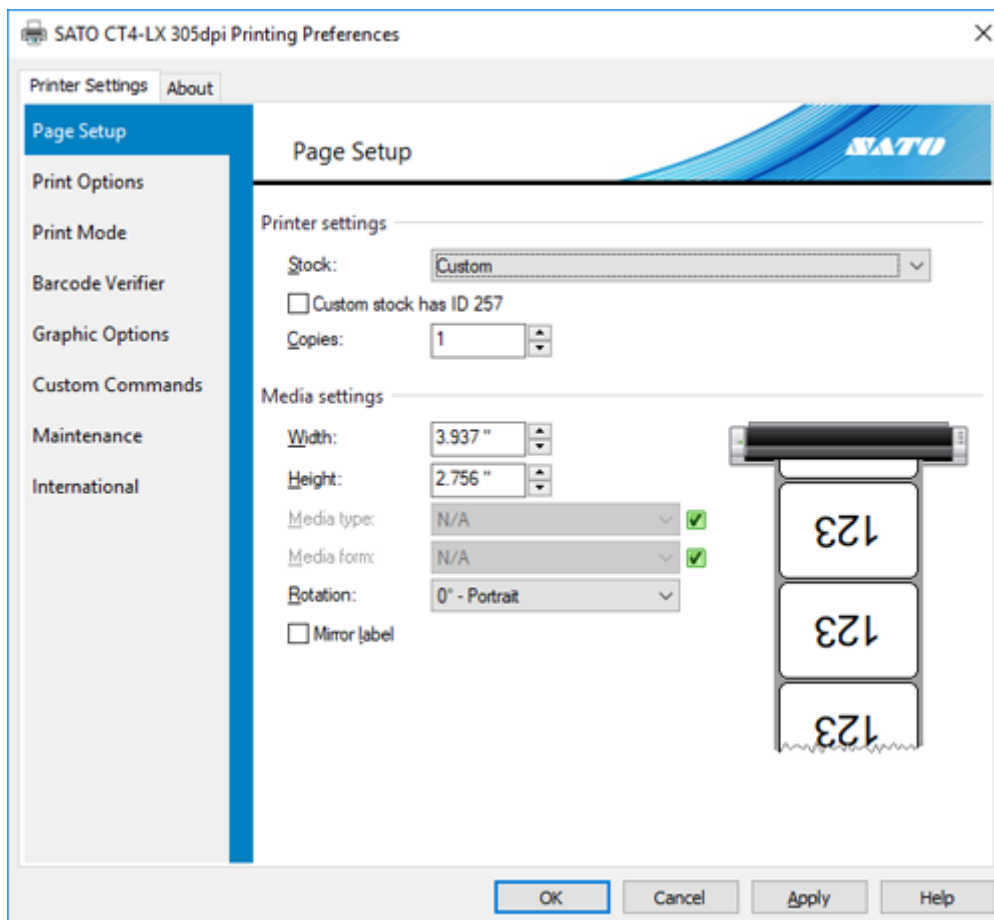
Blue check boxes are always on and cannot be turned off. However, if you select [Let printer control this option], the green check box is selected for the settings that can use the setting values on the product.

Print settings

Speed:	6.0 "/s	▼	<input checked="" type="checkbox"/>
Darkness:	5	▼	<input checked="" type="checkbox"/>
Darkness range:	N/A	▼	<input checked="" type="checkbox"/>
Printing mode:	N/A	▼	<input checked="" type="checkbox"/>

Send this parameter to printer
 Let printer control this option

[Page Setup]

**[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].

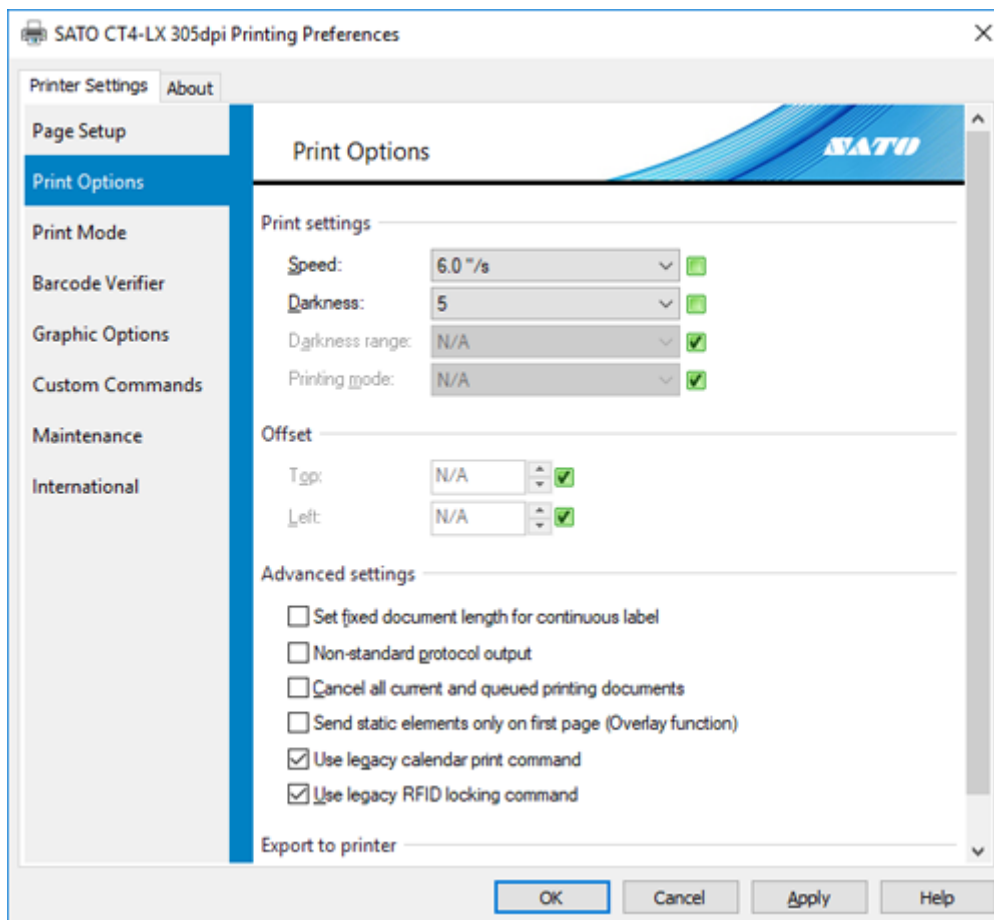
[Rotation]

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]



[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]

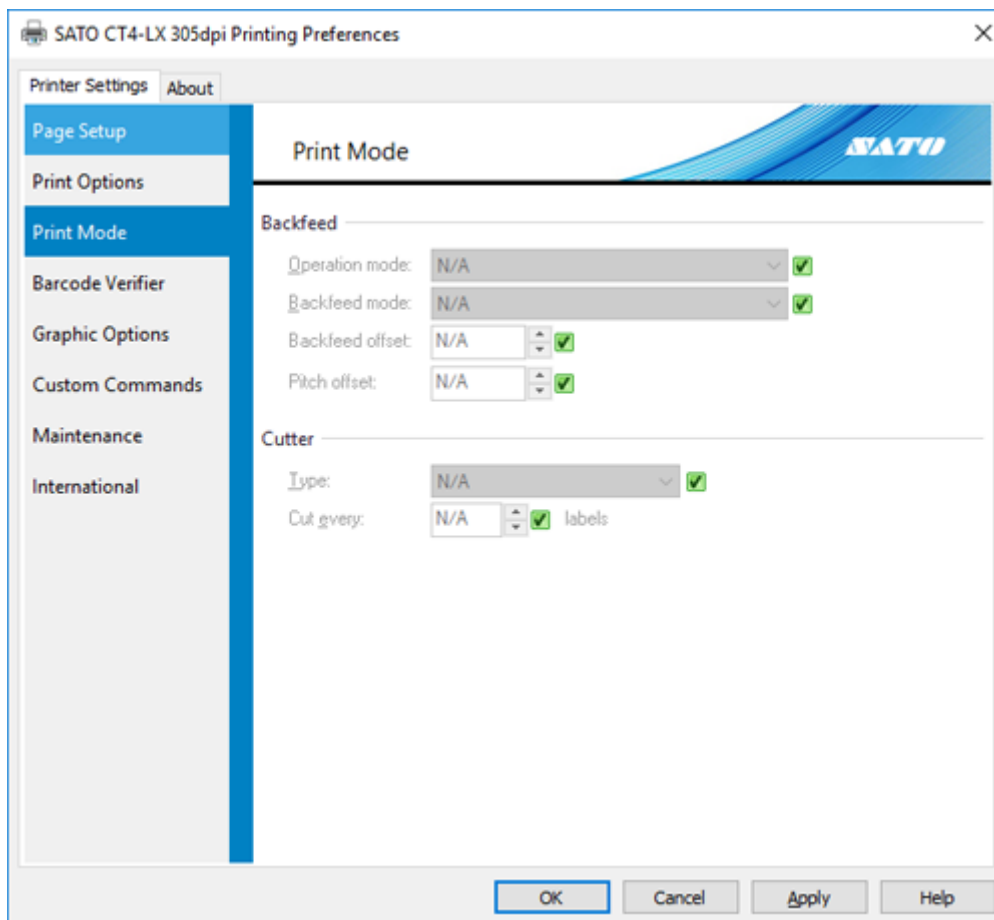
Enable this option to lock the RFID tag using the legacy "lck" command. If disabled, the "lc2" command is going to be used instead.

[Format number]

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

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

[Print Mode]



[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.

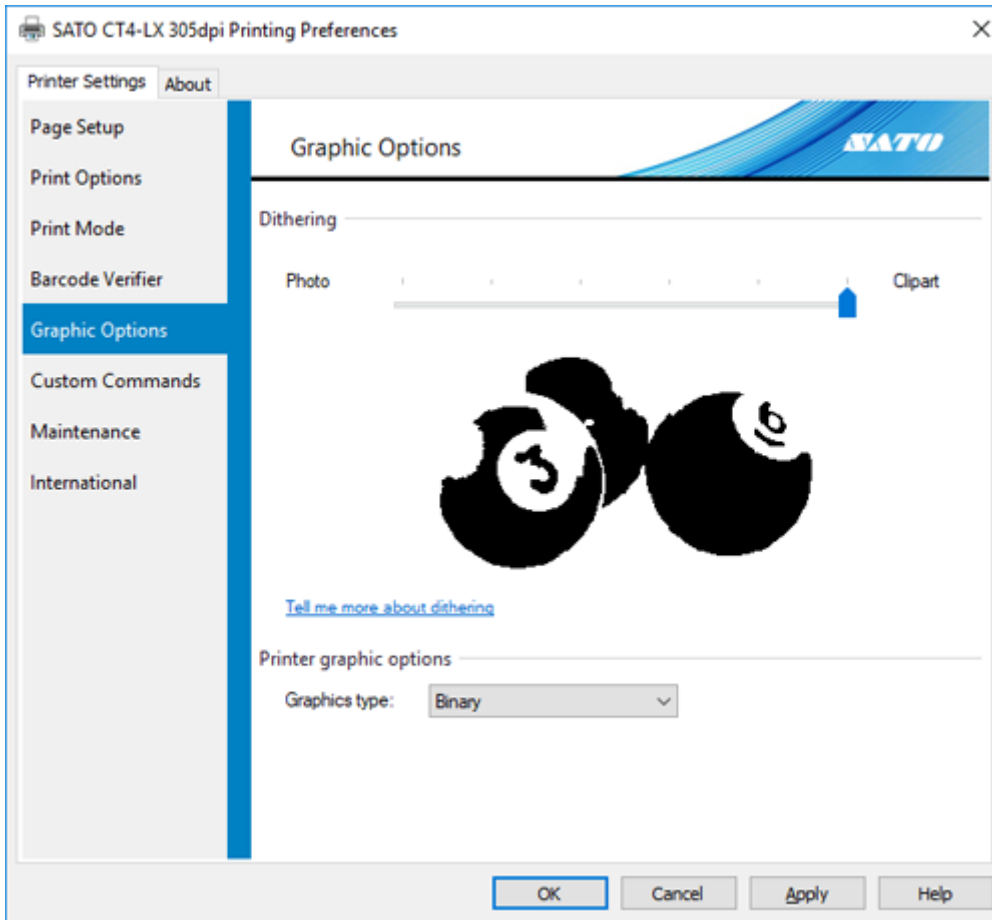
[Type]

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]



[Dithering]

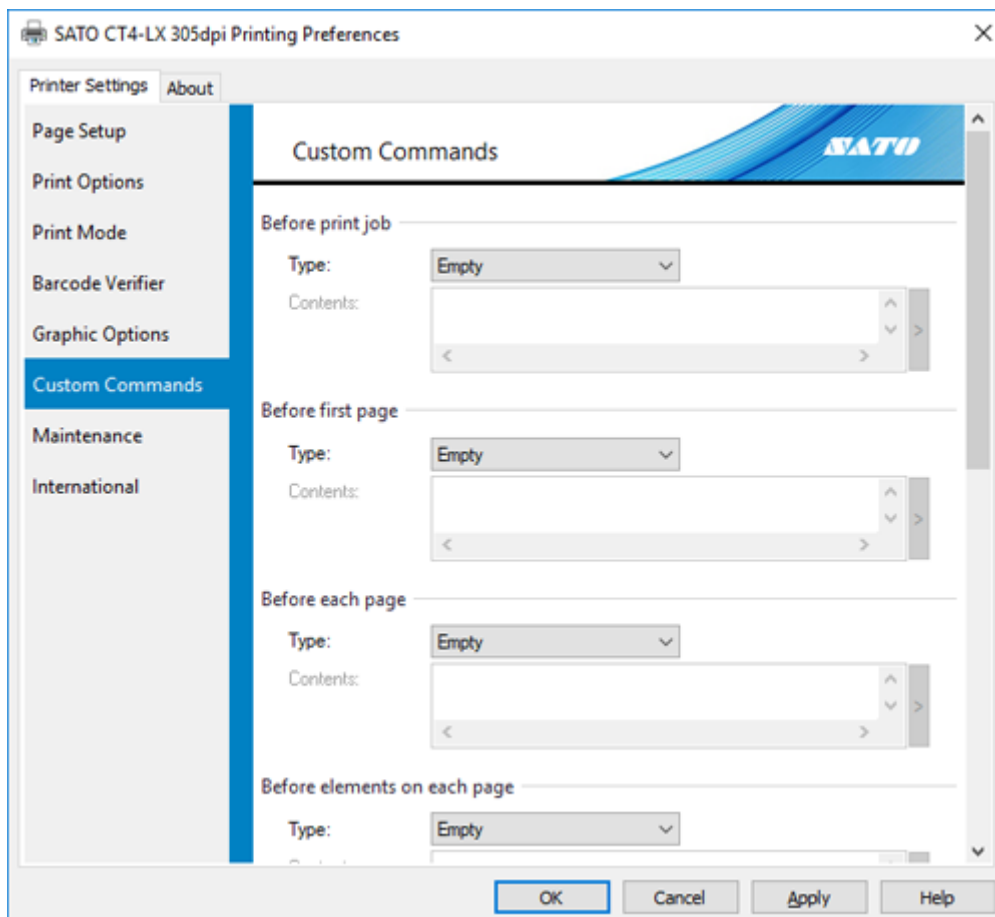
Dithering is the process of expressing image gradation (for color or grayscale images) in the current image for thermal printers that can only express two colors, black and white, by juxtaposing pixels with a certain algorithm to create the illusion of half-tone. Select the dithering algorithm with this 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".



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.

Type**[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.

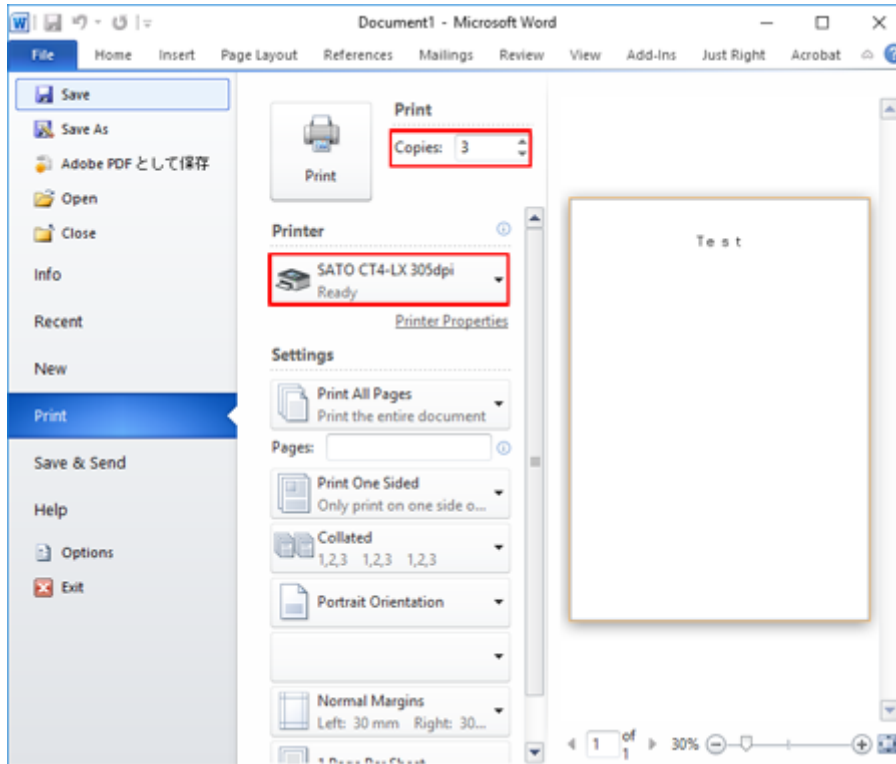
[Parsed file]

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

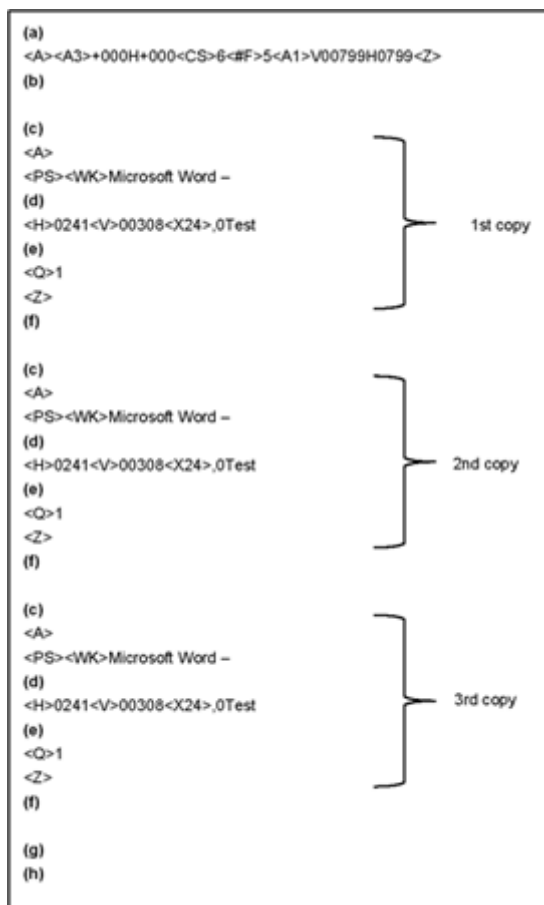
Output example of a custom command using an application

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.



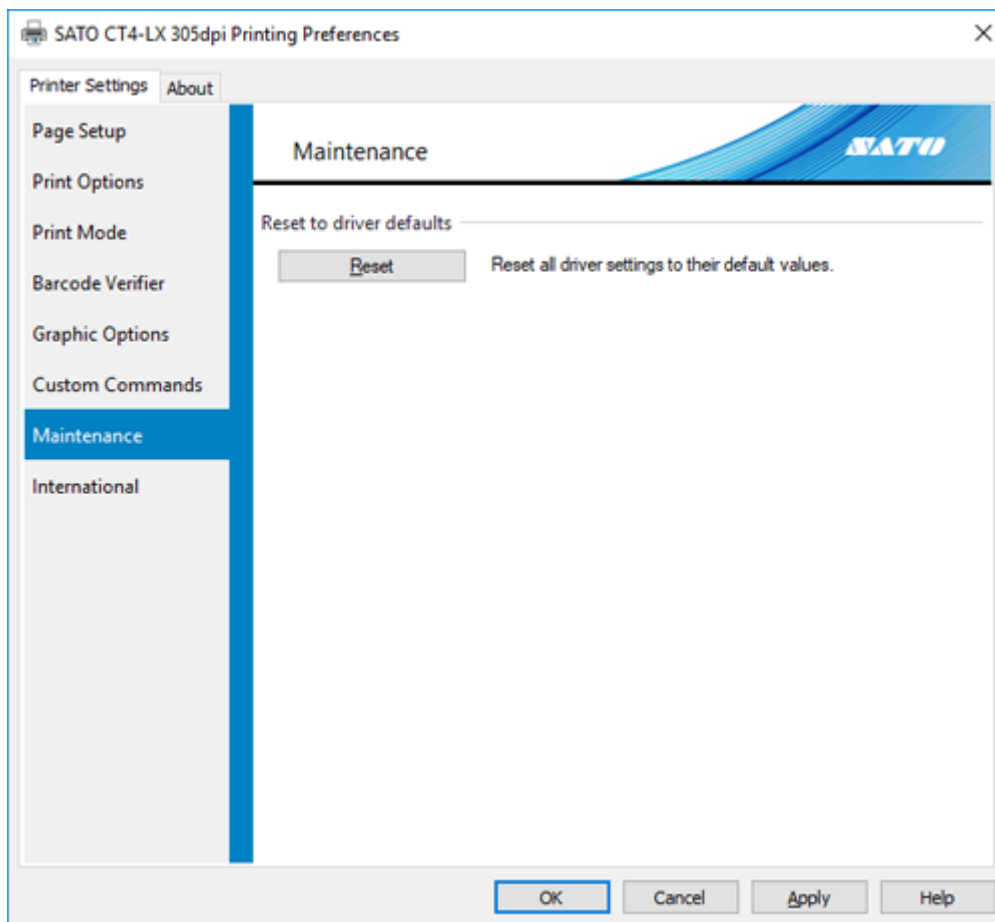
- "Test" in the print layout is set to "SATO X24" device font (the SBPL command is <X24>).
- The number of copies is set to [3].



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

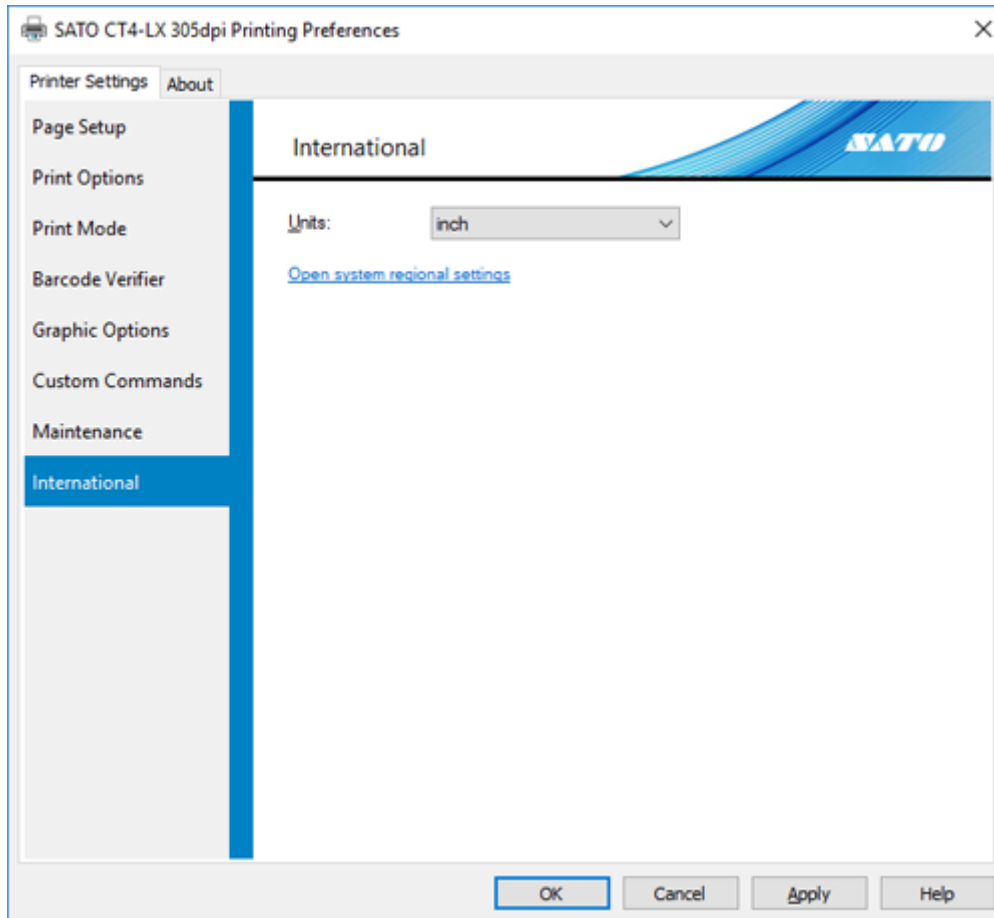
[Maintenance]



[Reset]

Returns the printer driver settings to their default values.

[International]



[Units]

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

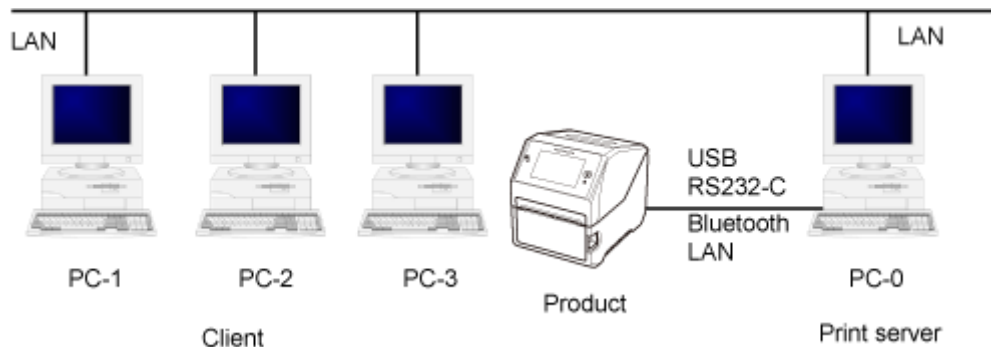
Sharing the Product

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:

1. Install the printer driver
Install the printer driver on the print server and client computers.
Refer to "[Installing the printer driver on the print server](#)" and "[Installing the printer driver on the client computers](#)".
2. Confirm that a label can be output correctly from the product connected to the print server
3. Configure the sharing settings on the product connected to the print server
Refer to "[Configuring Sharing Settings on the Print Server Printer](#)".
4. 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 "[Configuring Sharing Settings on the Client Printer](#)".

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 "[Preparing 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.

- [Connecting via USB cable](#)
- [Installing the driver when connected via USB](#)

- For LAN interface connection

Refer to the following.

- [Connecting via LAN cable](#)
- [Installing the driver when connected via LAN cable or wireless LAN](#)

- For Bluetooth interface connection

Refer to the following.

- [Connecting via wireless LAN or Bluetooth \(when the optional wireless LAN/Bluetooth kit is installed\)](#)
- [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](#)

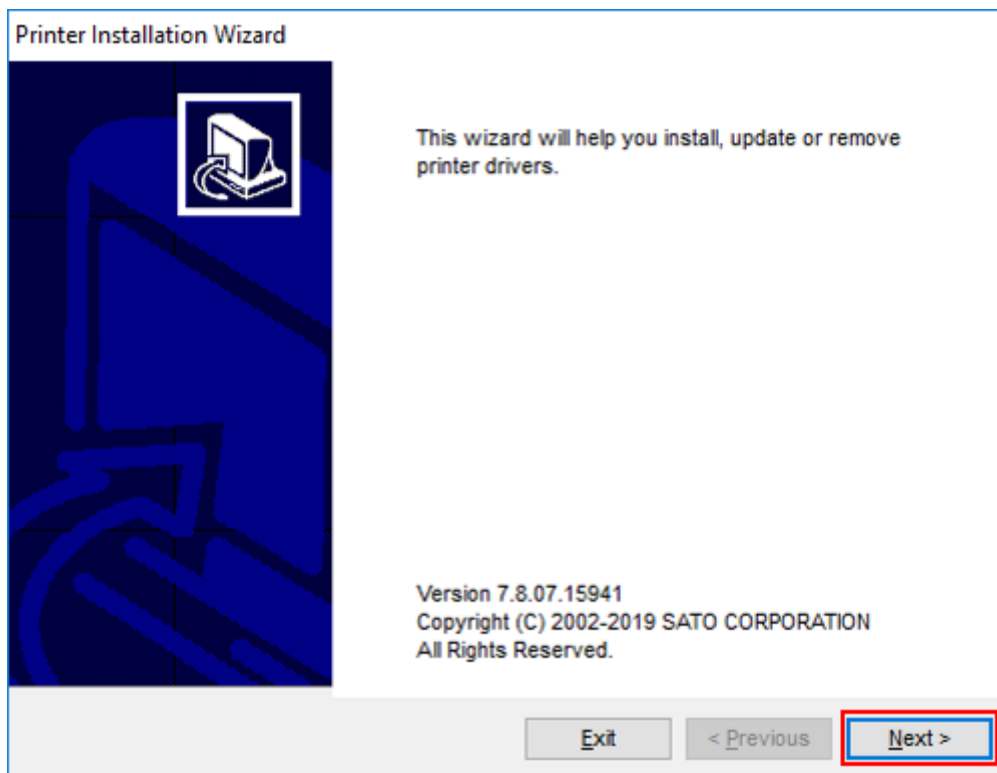
Installing the printer driver on the client computers

Download the printer driver from the SATO download site in advance. For details, refer to "[Preparing the Printer Driver](#)".

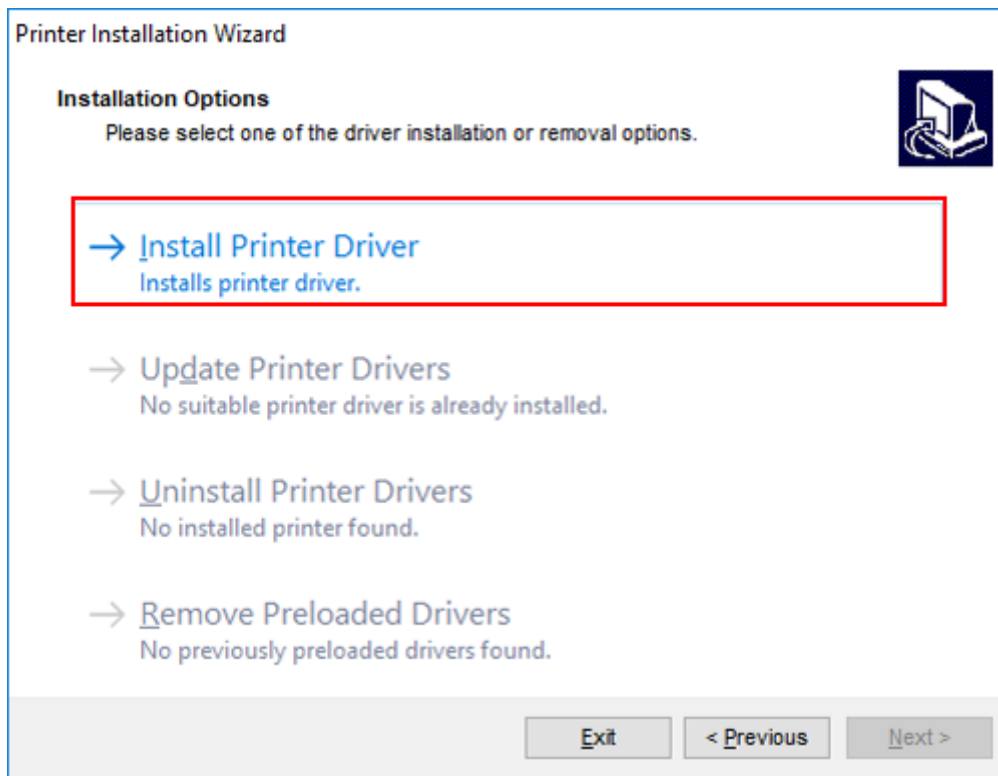
1. Double-click PrnInst.exe.

The printer installation wizard starts.

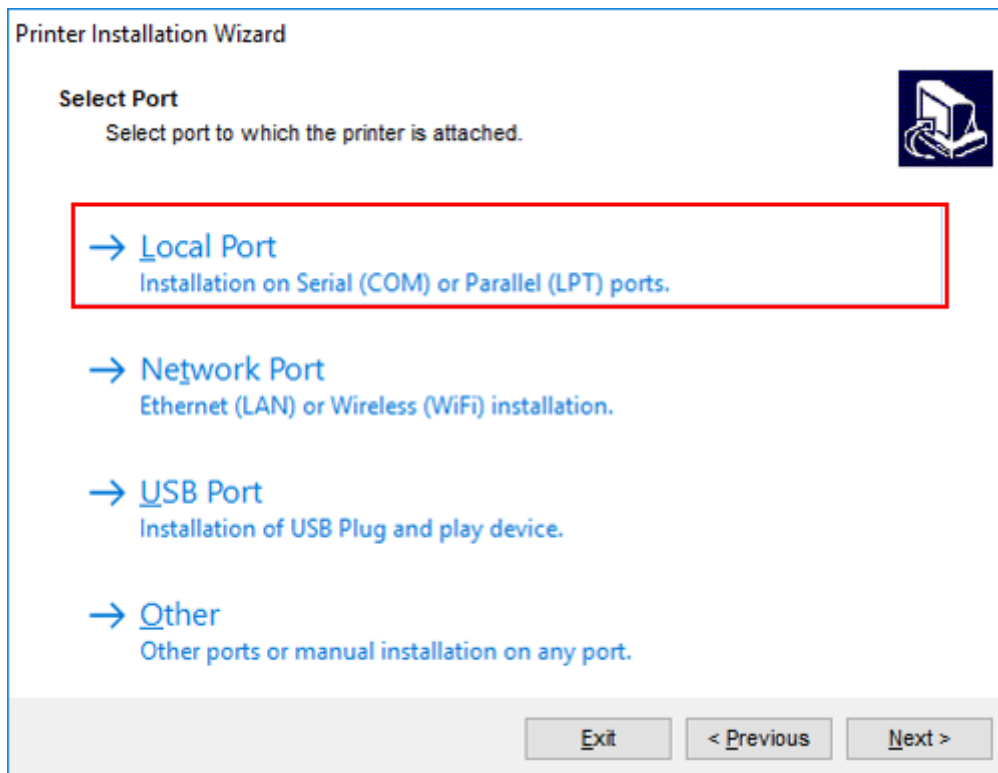
2. Click [Next].



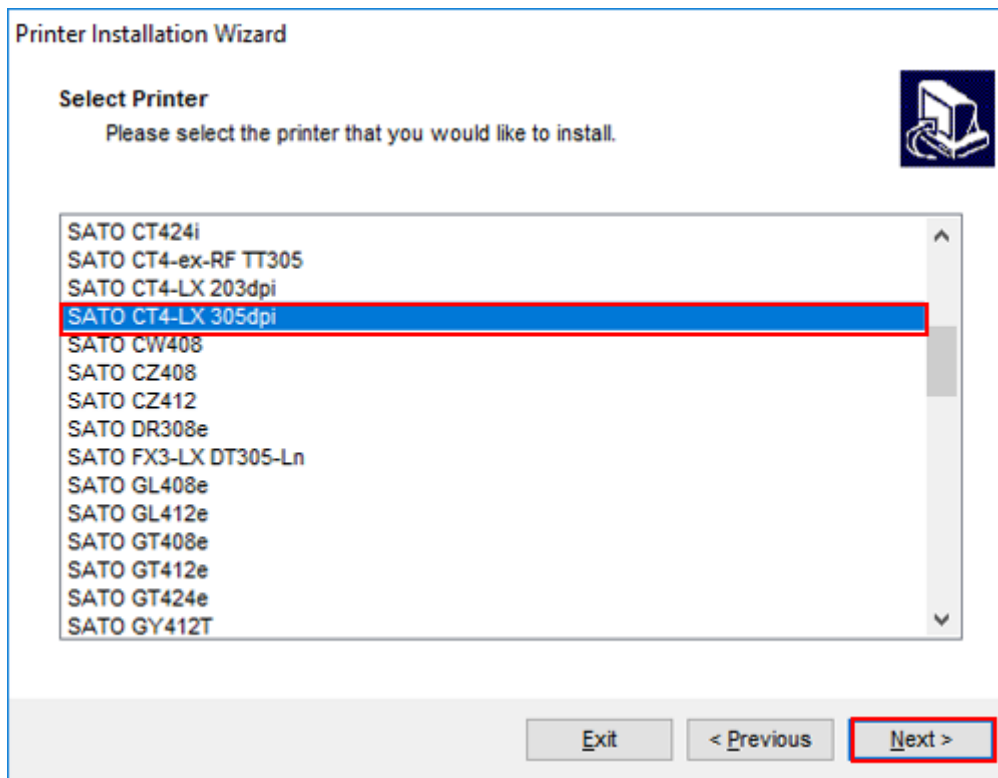
3. Click [Install Printer Driver].



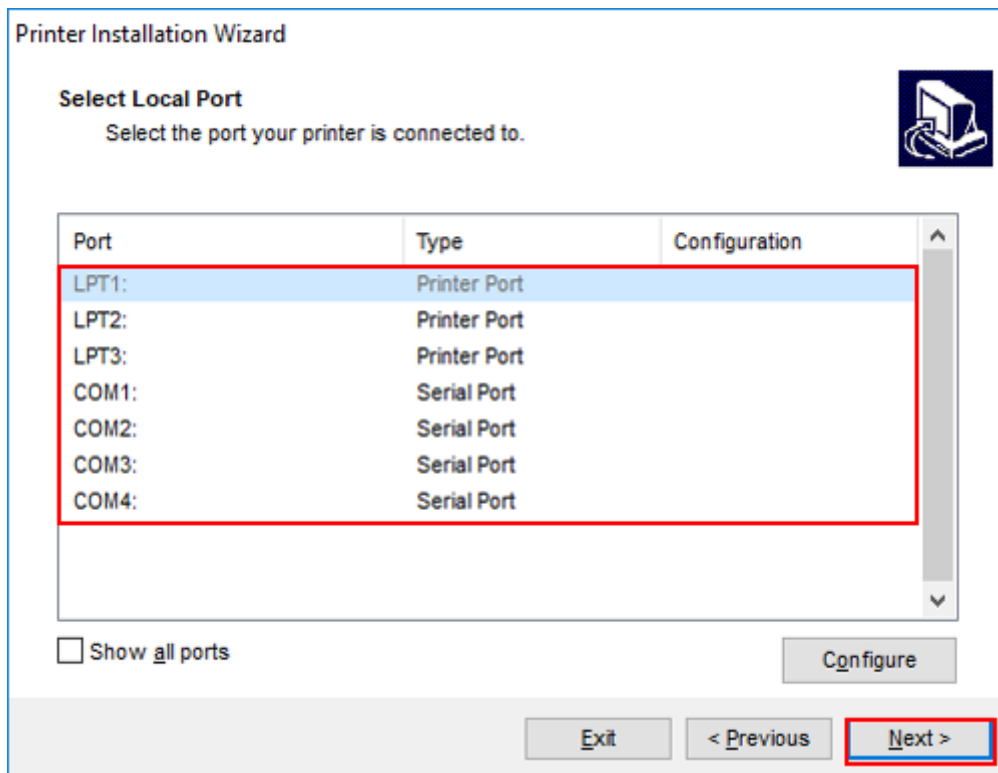
4. Click [Local Port].



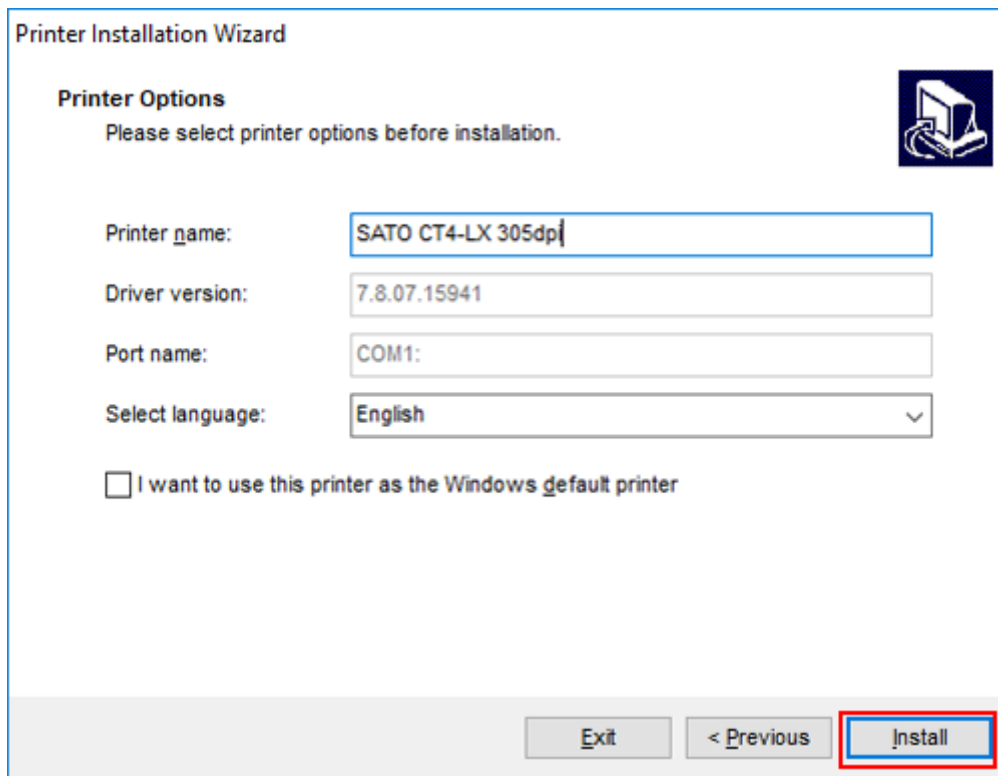
5. Select the product and click [Next].



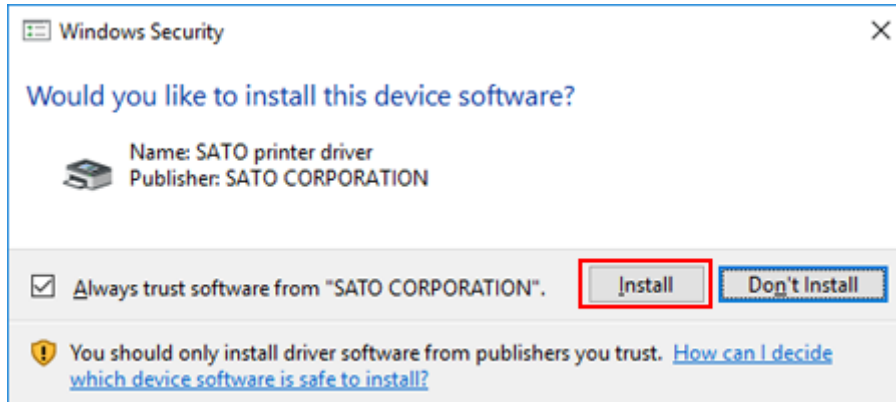
6. Select an LPT or COM port ([COM1] here) and click [Next].



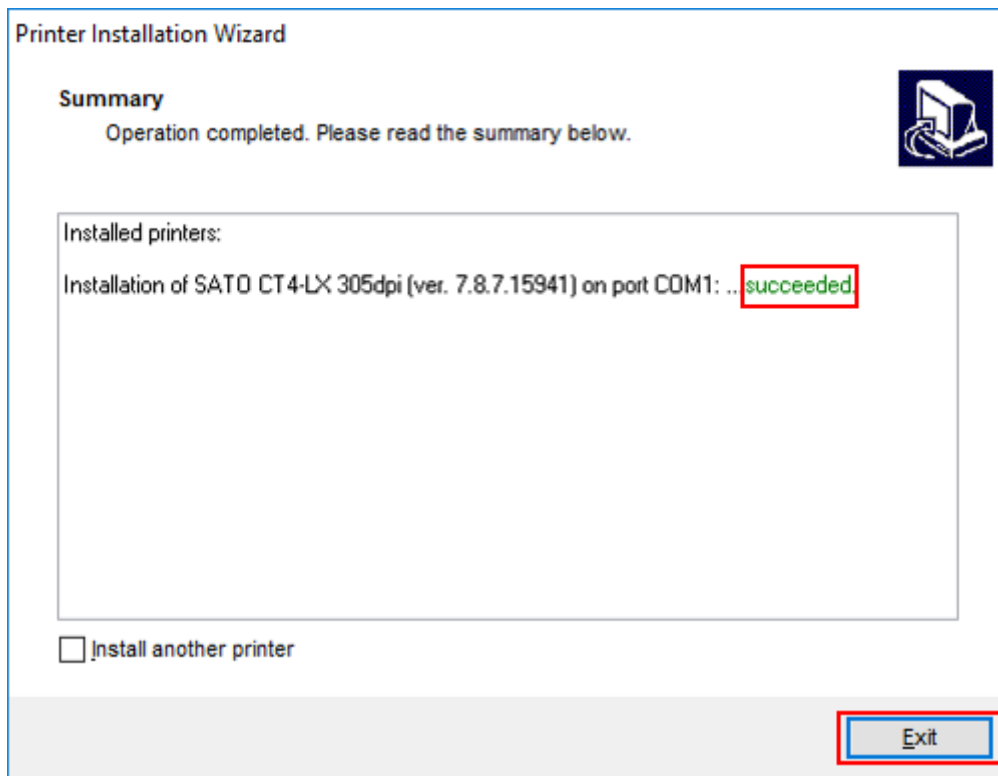
7. Click [Install].



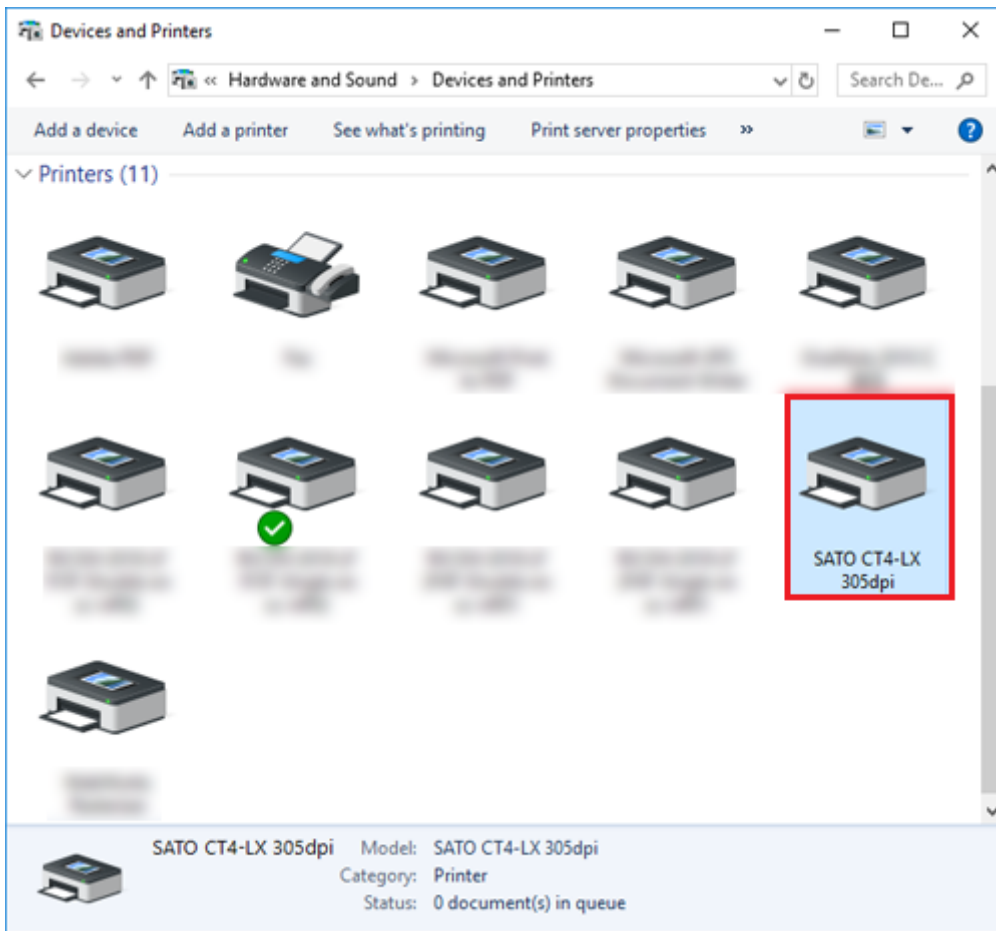
When the [Windows Security] screen appears, click [Install].



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.

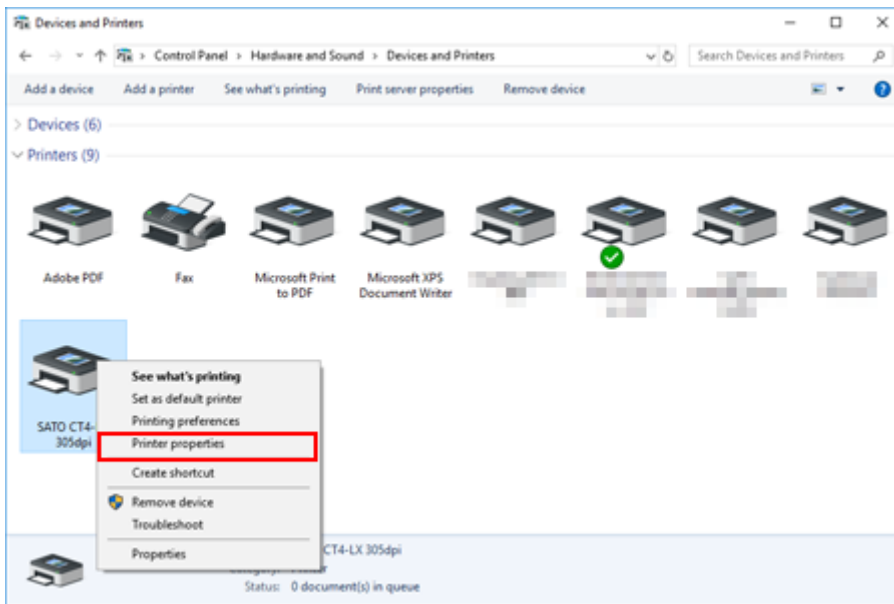


Install the printer driver on all client computers using the above procedure.

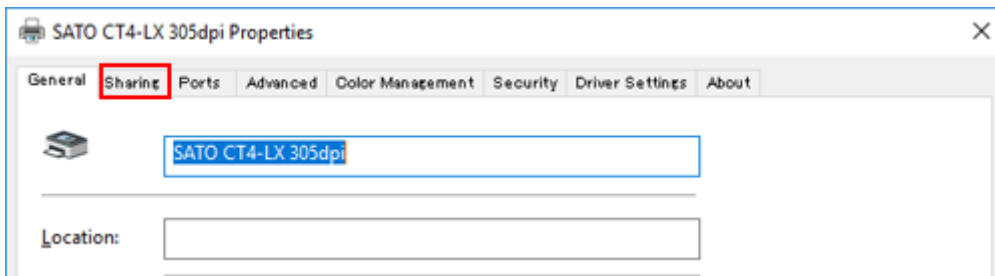
Configuring Sharing Settings on the Print Server Printer

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

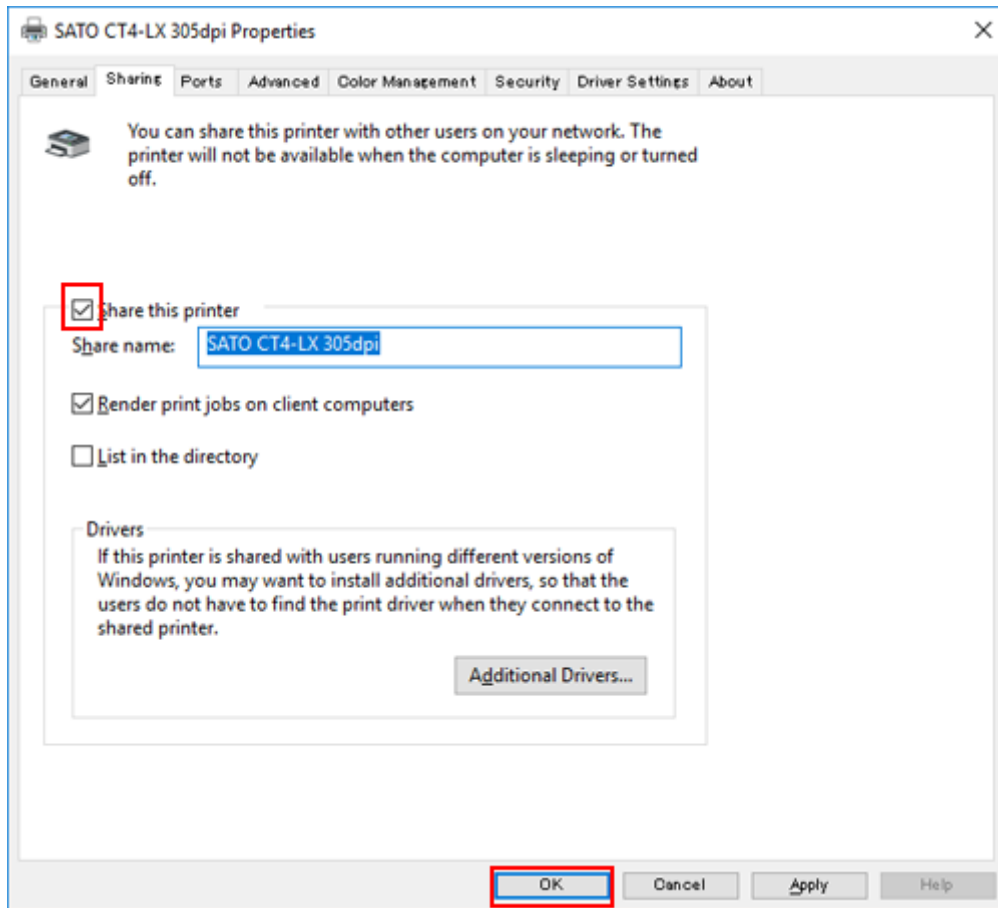
1. Open [Devices and Printers], right-click the installed printer driver, and select [Printer properties].



2. Select the [Sharing] tab.



3. Select the [Share this printer] check box and click [OK].
If necessary, change [Share name].



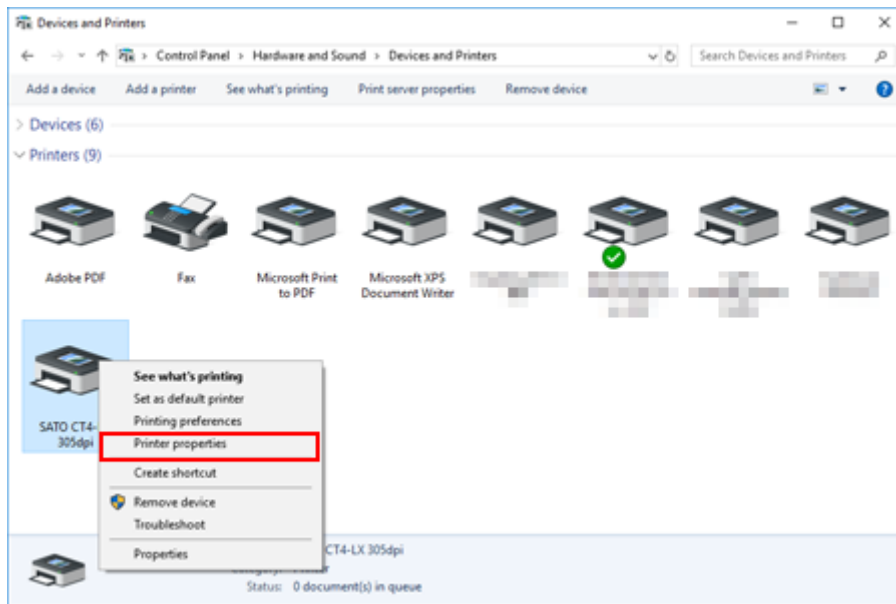
4. Open [Devices and Printers] and confirm that the printer sharing settings have been set.



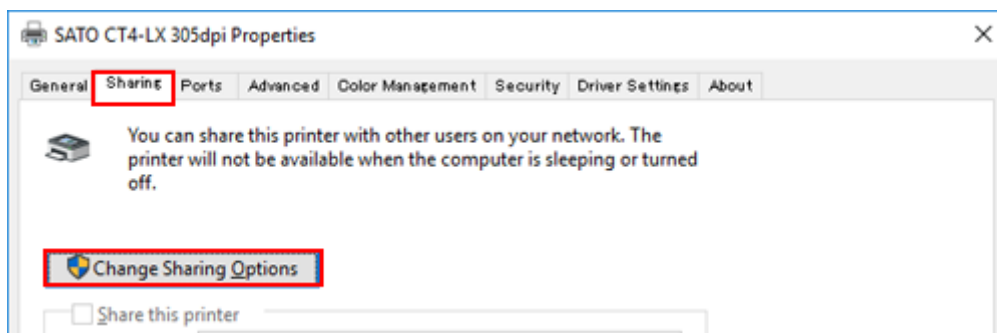
Configuring Sharing Settings on the Client Printer

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].

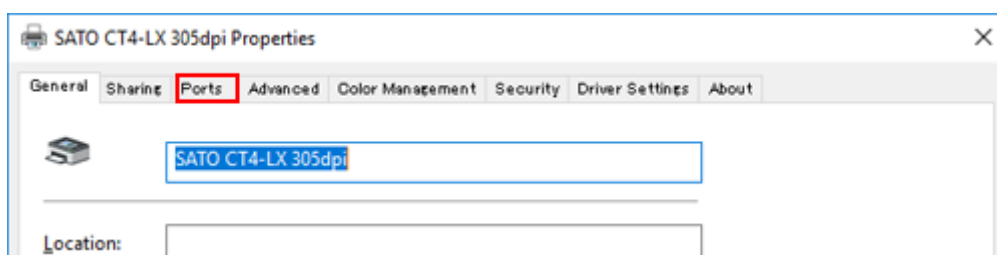


2. For accounts that do not have administrator privileges, click the [Sharing] tab and then [Change Sharing Options].

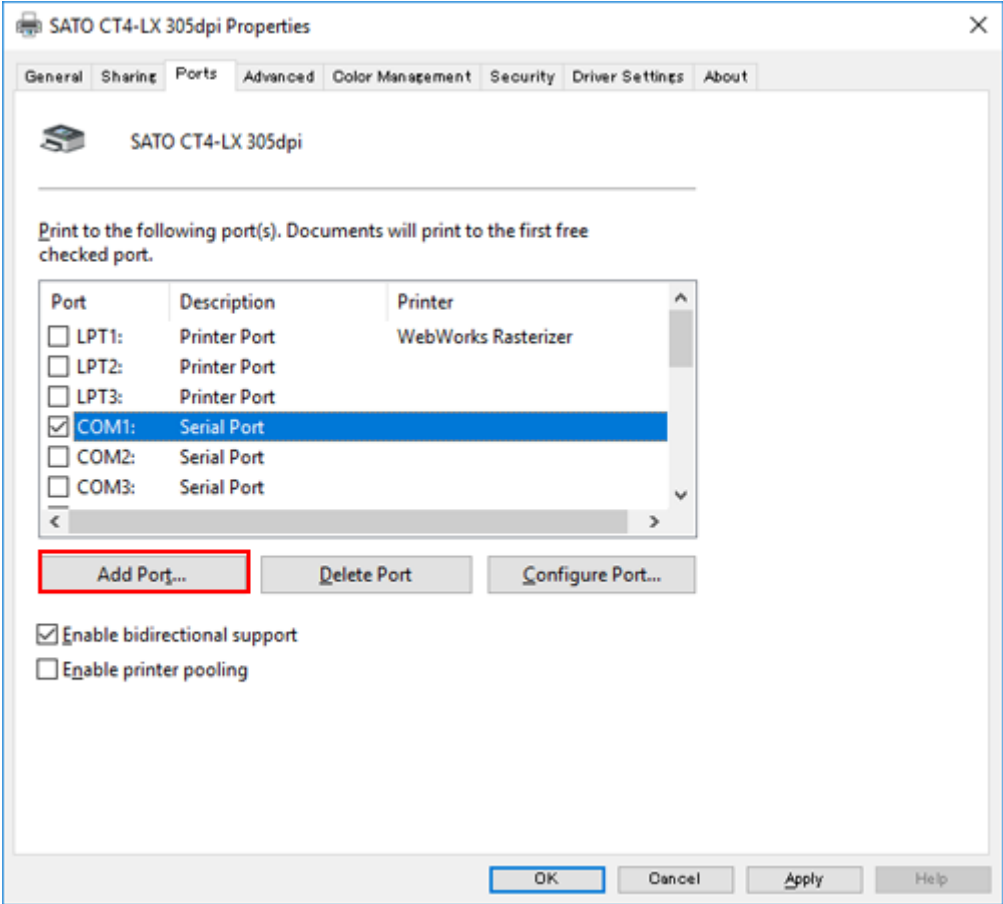


Follow the on-screen instructions.

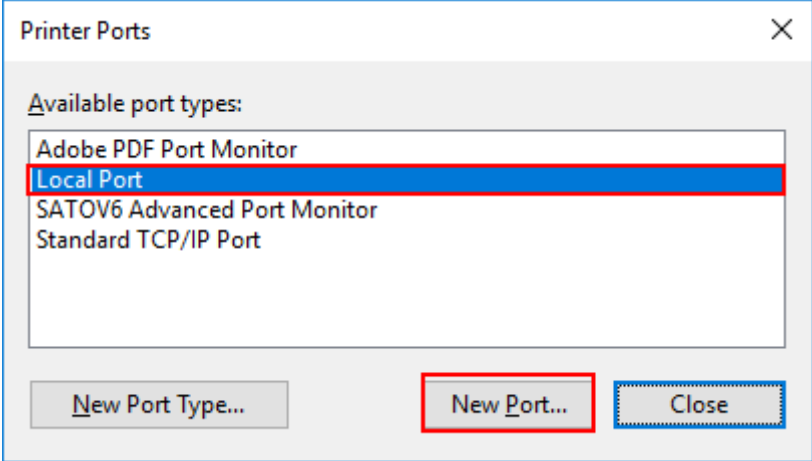
3. Select the [Ports] tab.



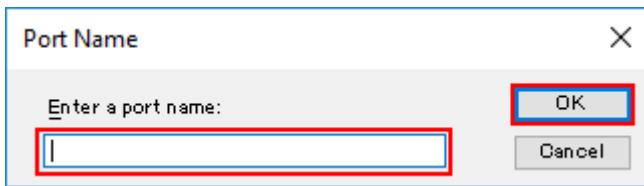
4. Click [Add Port].



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



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



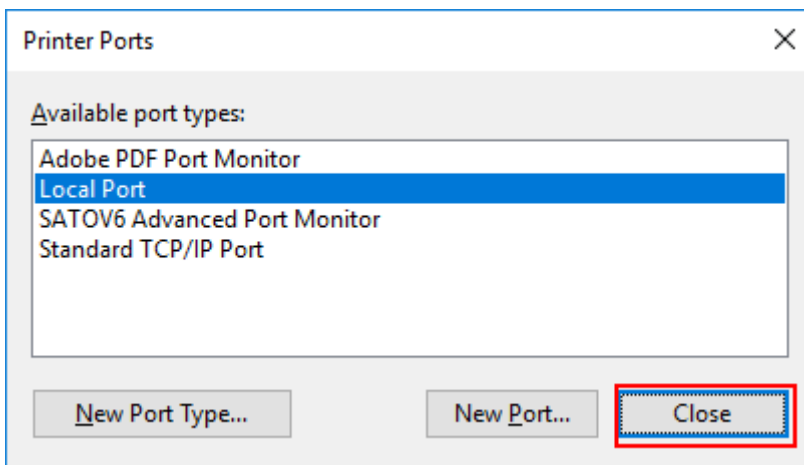
For example, if the print server computer name is "PC-0" and the printer sharing name is "SATO CT4-LX", enter the following:

\\PC-0\SATO CT4-LX

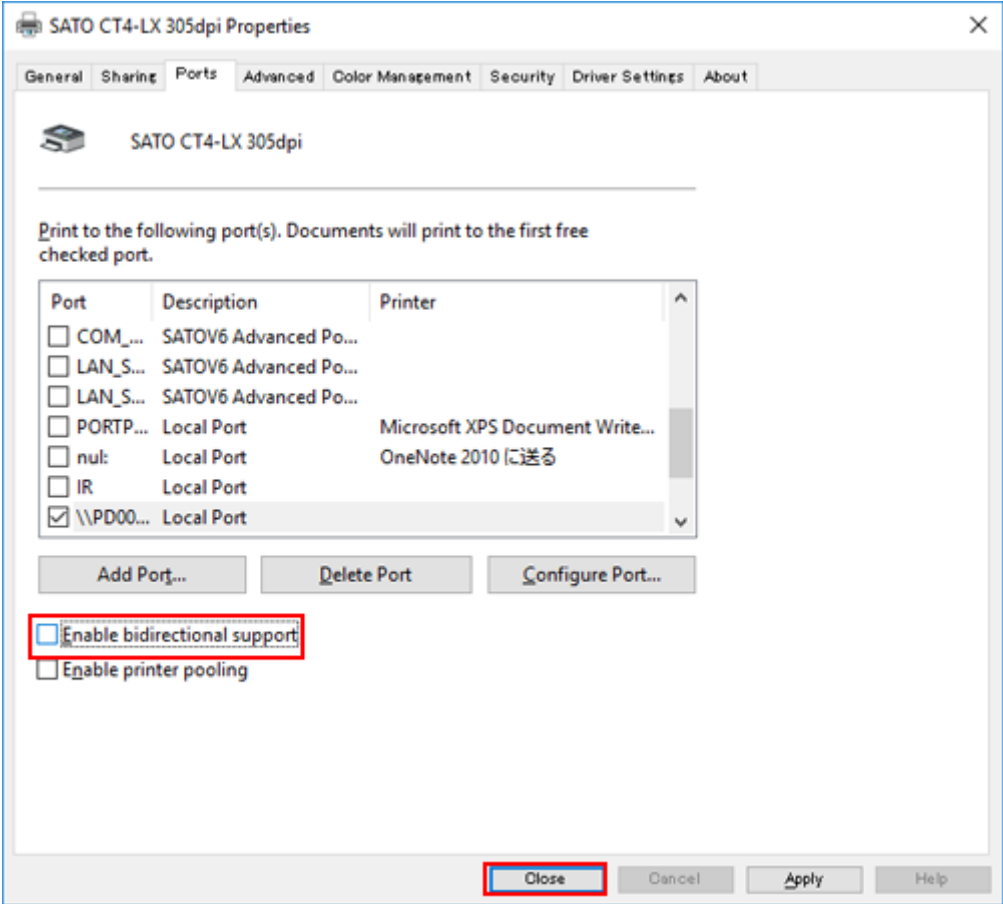


- On Windows 10, you can check the computer name by clicking [Control Panel] > [All Control Panel Items] or [System and Security] > [System] > [Computer name].

7. Click [Close].



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



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](#)".

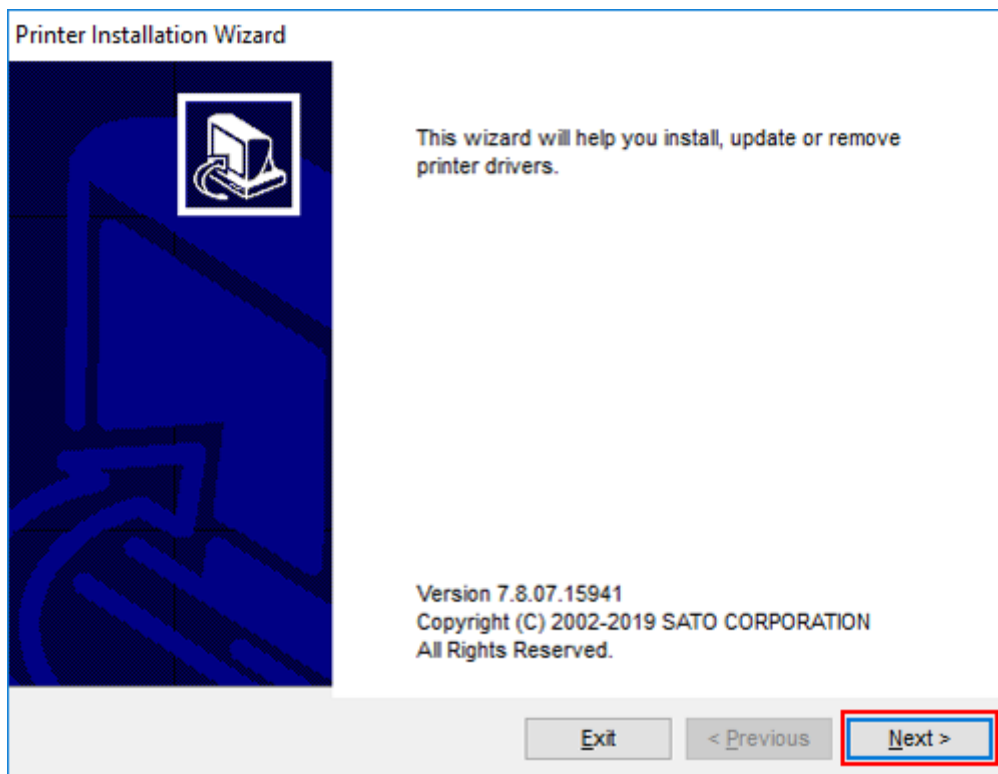
Updating the printer driver

Download the printer driver from the SATO download site in advance. For details, refer to "[Preparing the Printer Driver](#)".

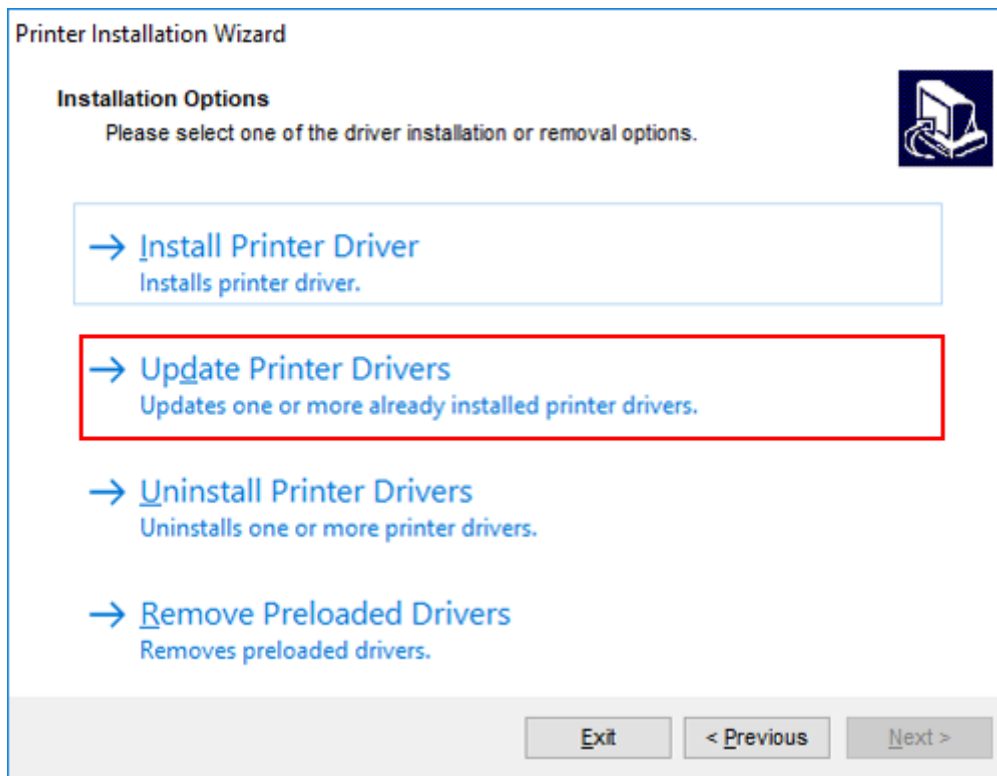
1. Double-click PrnInst.exe for the update version.

The printer installation wizard starts.

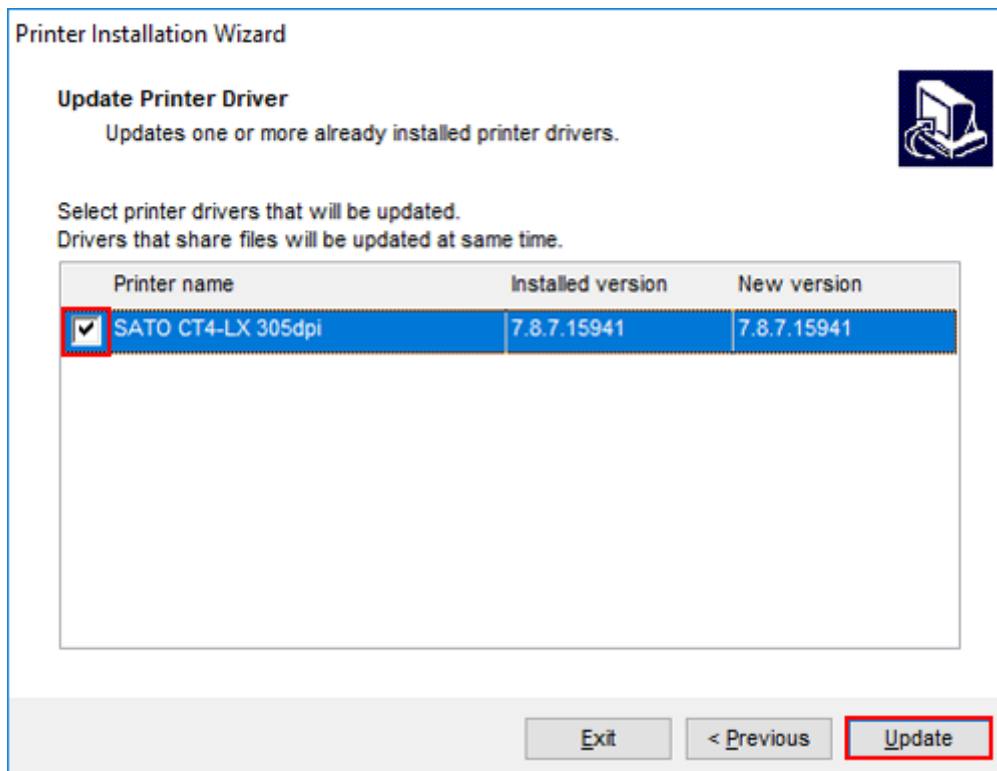
2. Click [Next].



3. Click [Update Printer Drivers].

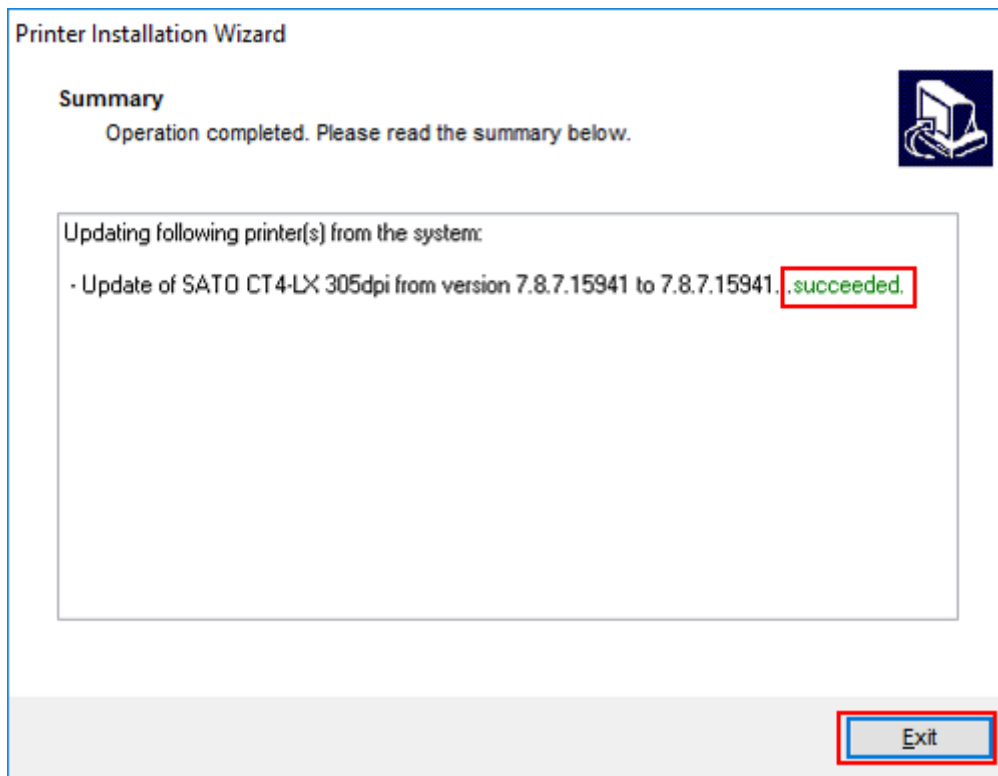


4. Select the printer to update and click [Update].



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.

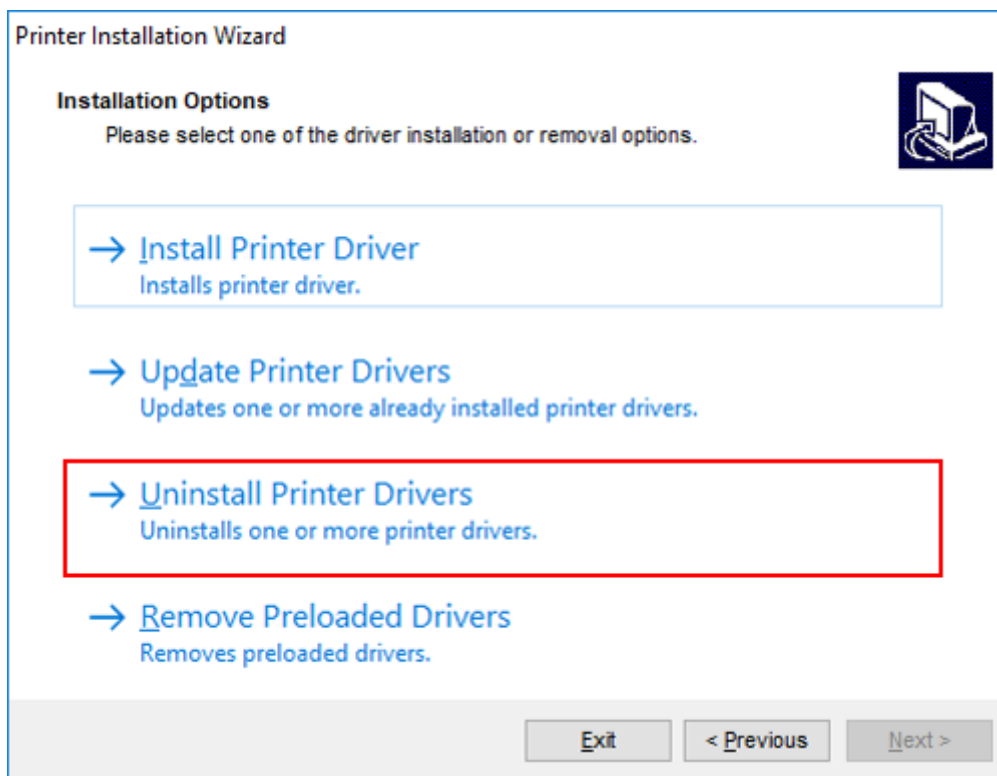
For details of how to import settings, refer to "[Maintenance](#)".

Uninstalling the printer driver

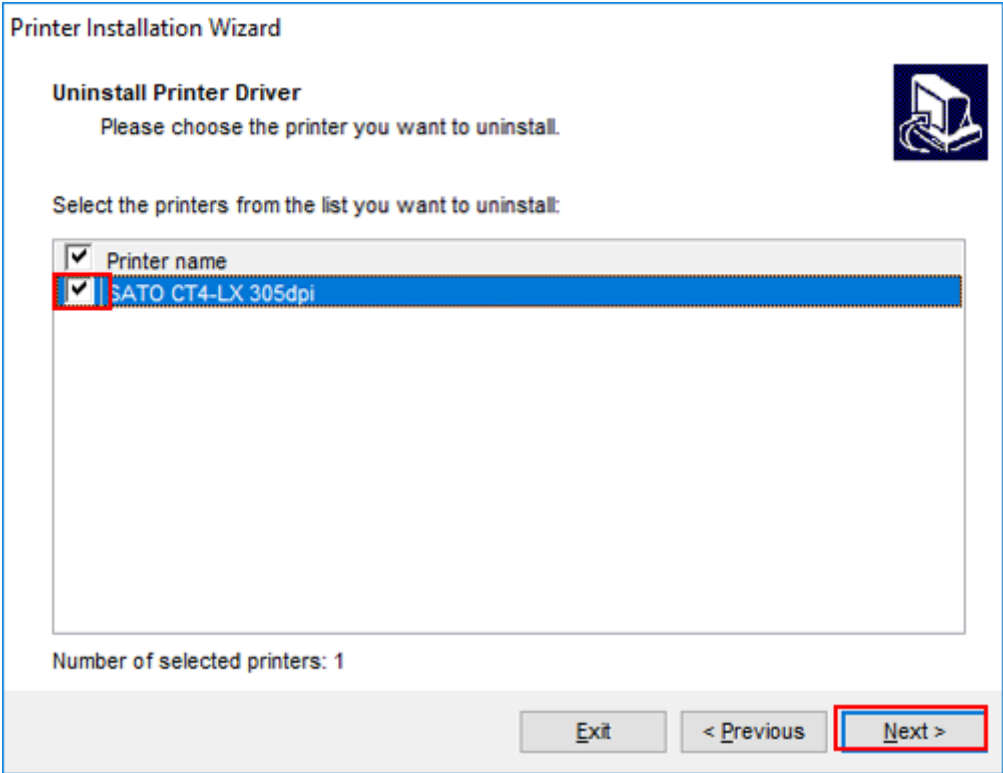
Check the following items before uninstalling the printer driver.

- 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].

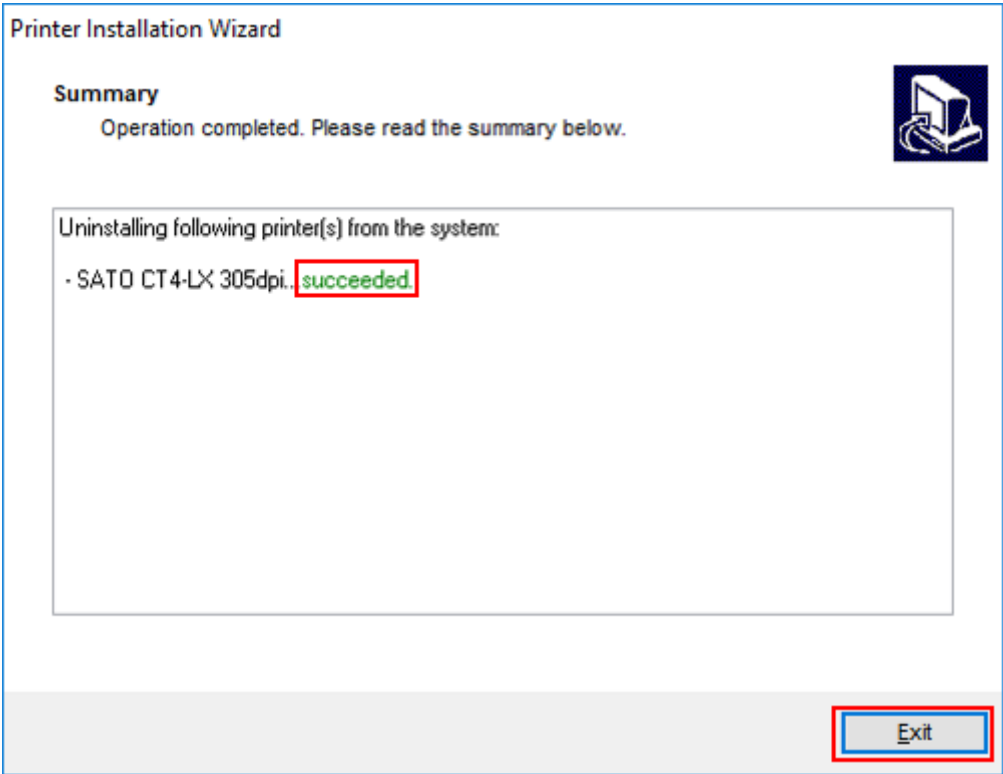


- 4. Select the check box of the printer driver that you want to uninstall and click [Next].



The uninstallation procedure starts.

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

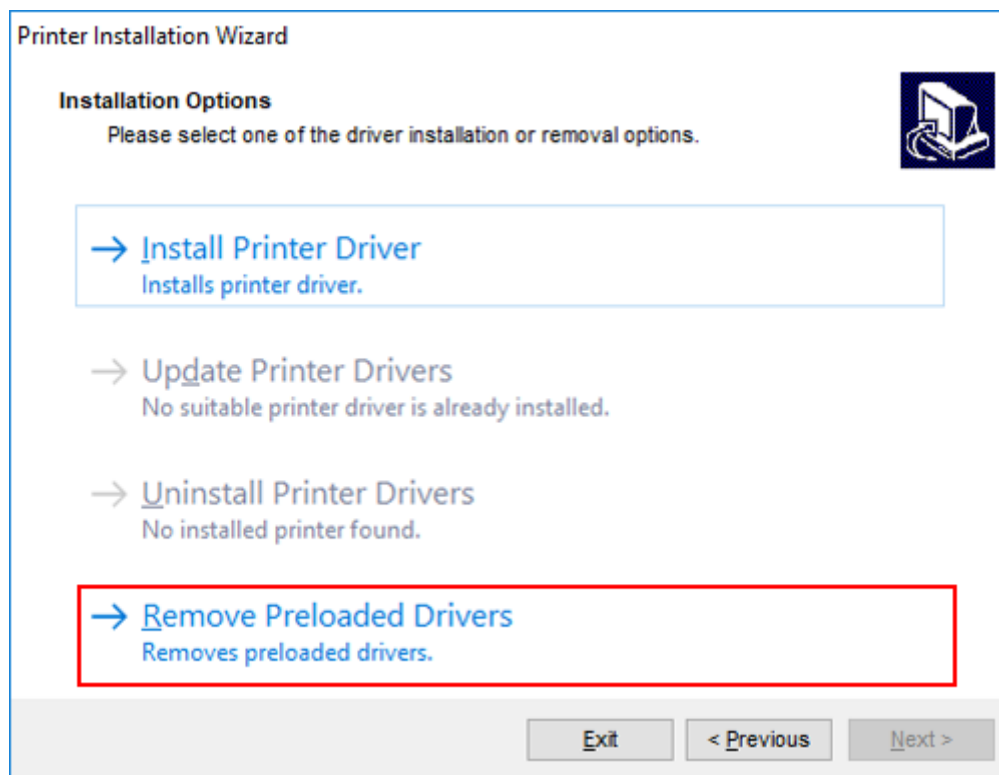


Removing the Printer Driver Data File

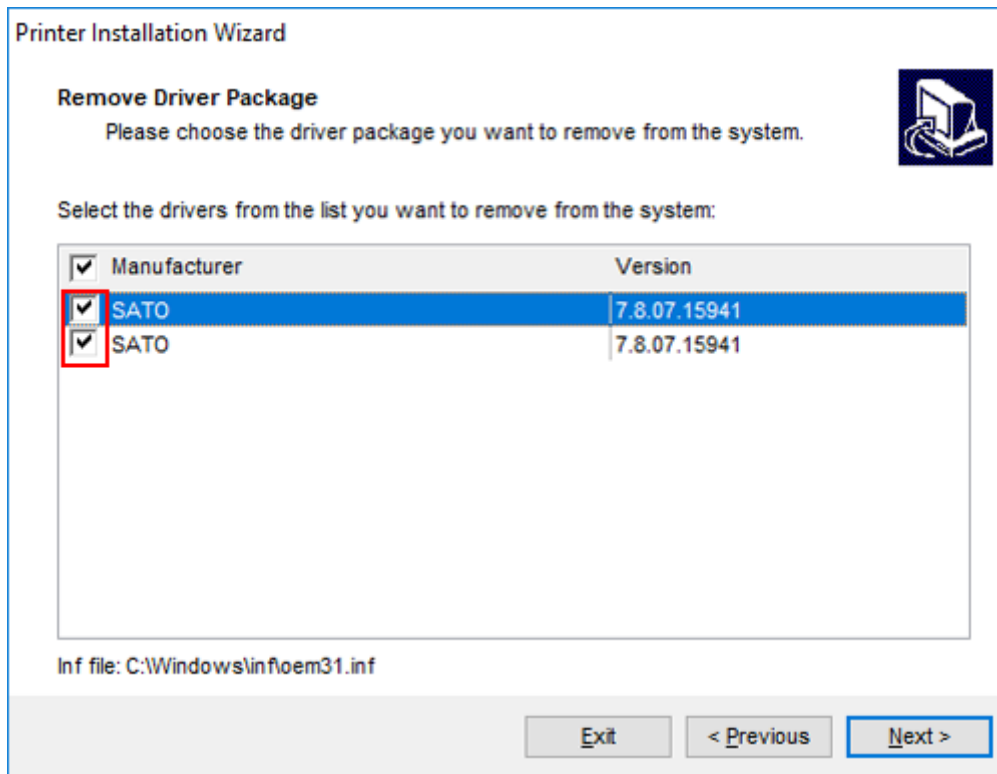
When the printer driver is installed, the printer driver data file is also installed. Even if you uninstall the printer driver, the printer driver data file remains on the computer. If the printer driver data file exists, you can install the printer driver with Plug and Play.

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].**



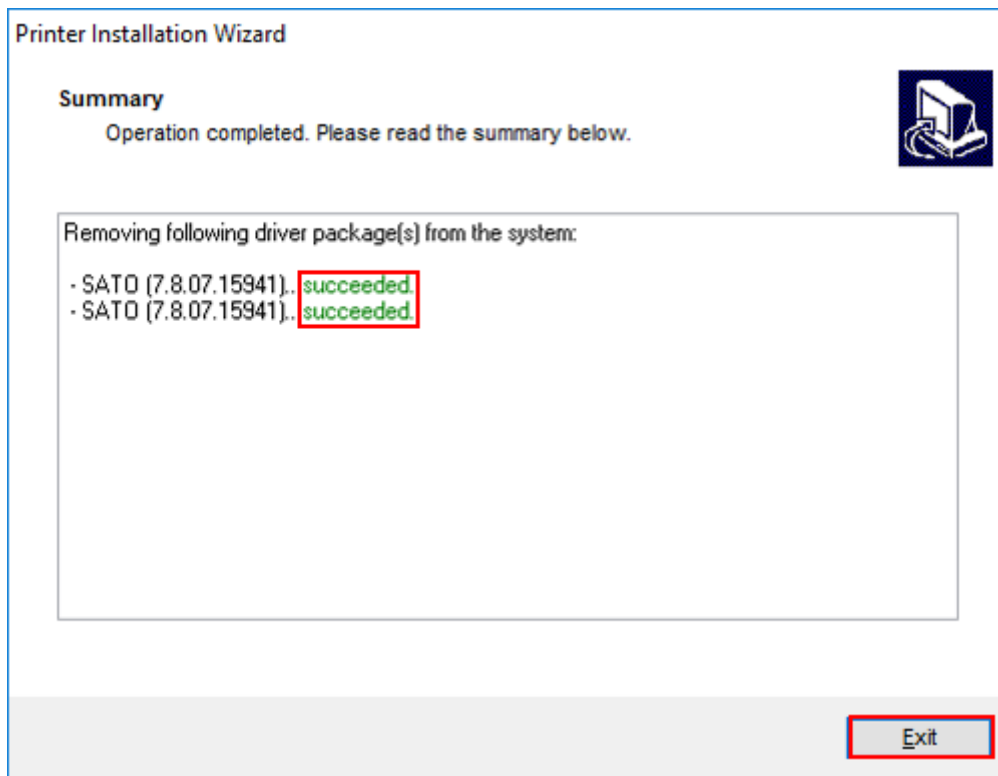
4. Select the check box for the printer driver data that you want to delete and click [Next].



- 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.

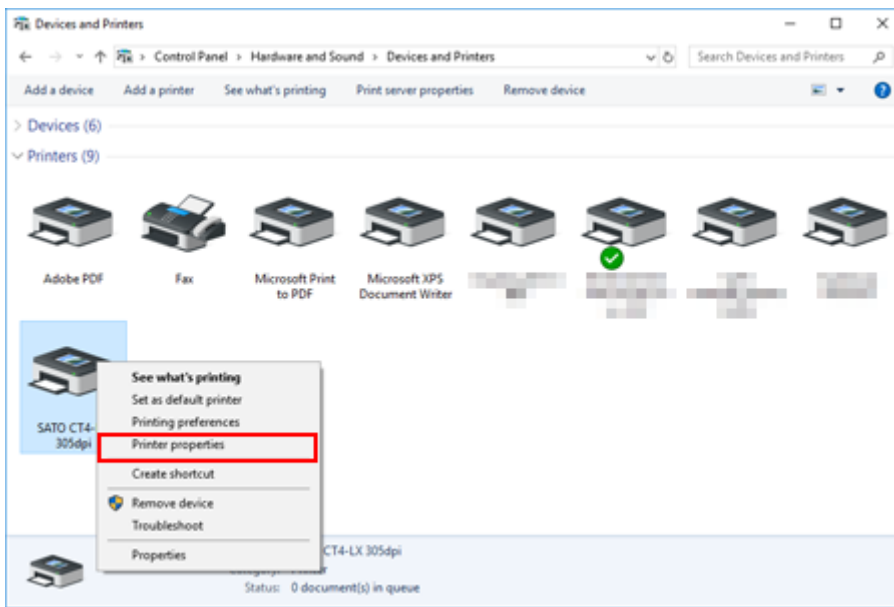
The topics here explain the method in two cases.

- 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)

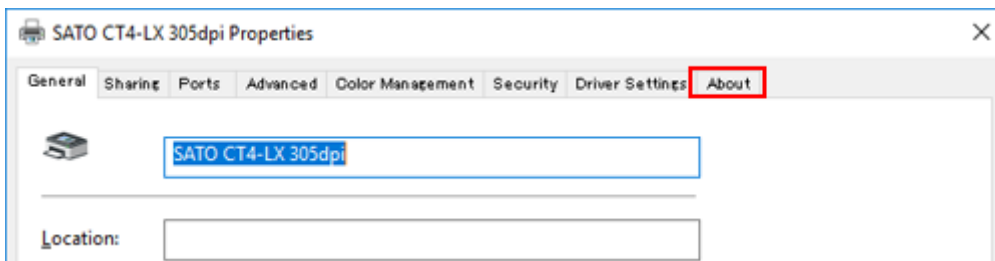
Checking the Printer Driver Version (Normally)

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

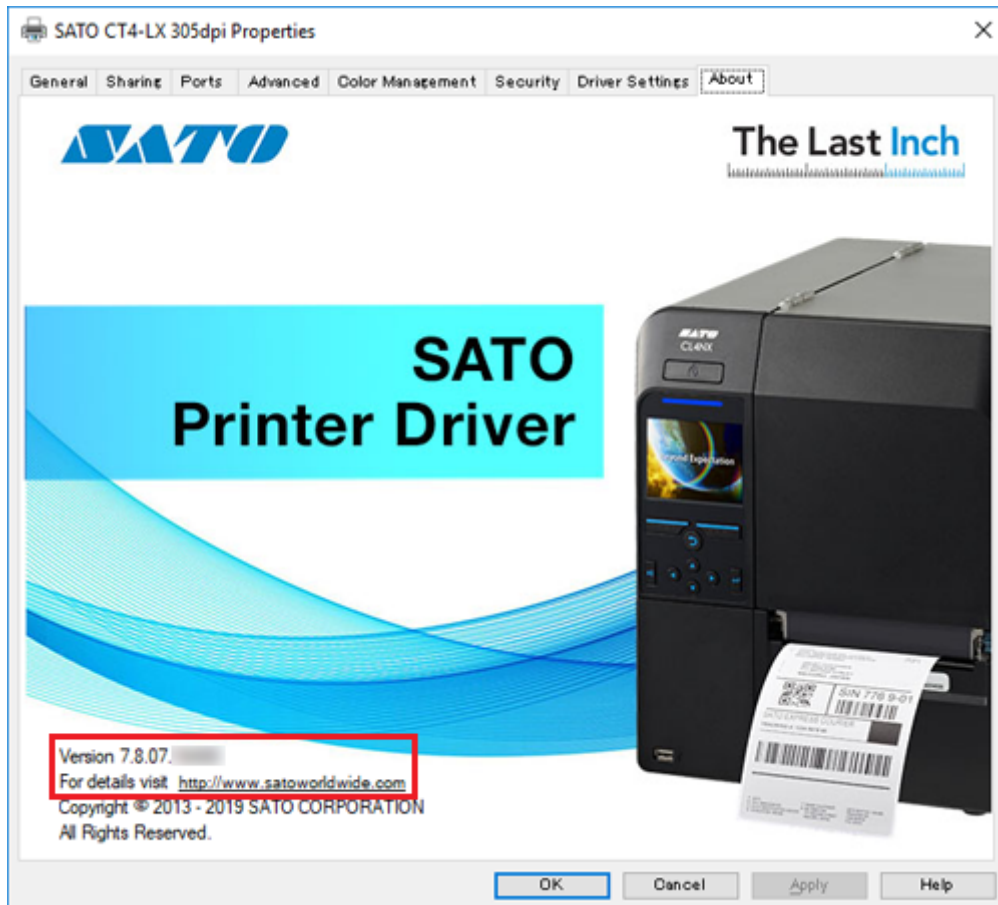
1. Open [Devices and Printers], right-click the desired product, and select [Printer properties].



2. Select the [About] tab.



Version information is shown.



[Version]

This is the version of the currently installed printer driver.

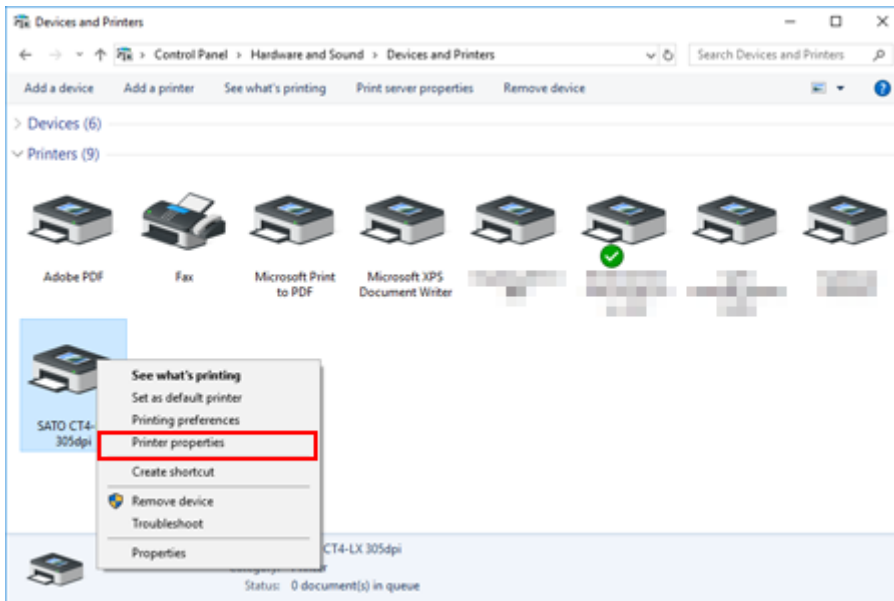
[For details visit]

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.

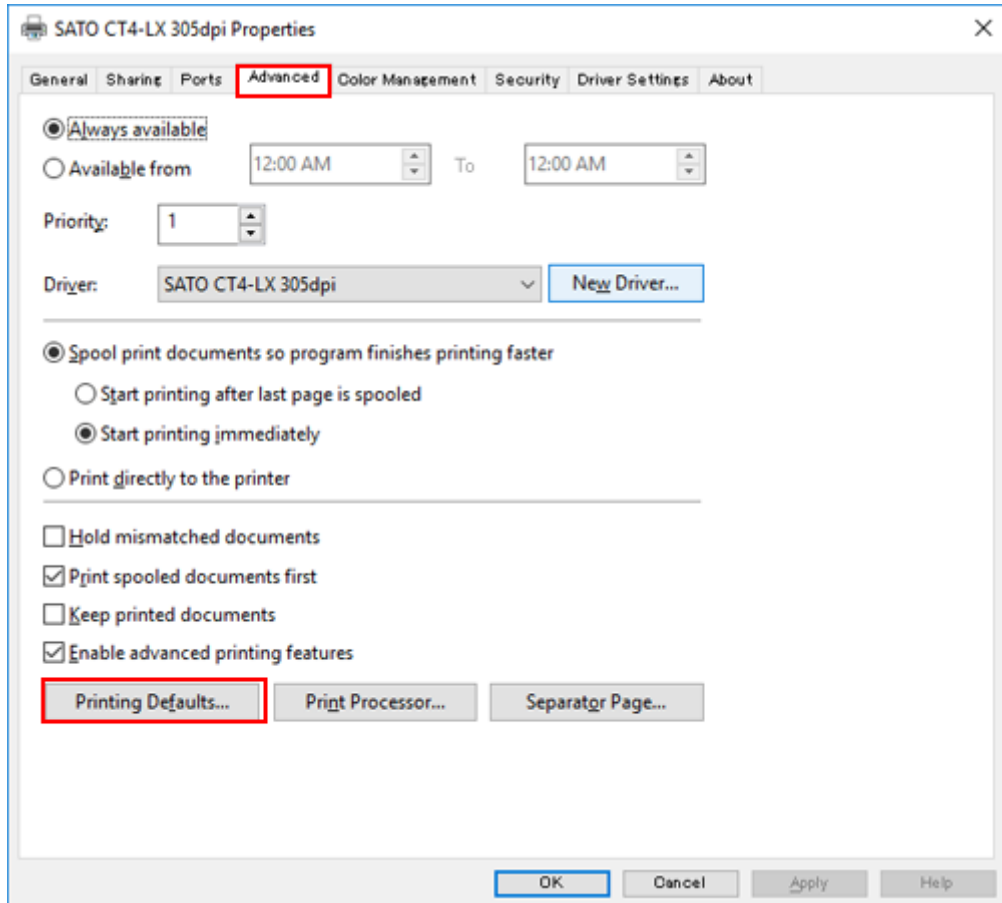
1. Open [Devices and Printers], right-click the desired product, and select [Printer properties].



2. Show the driver settings screen.

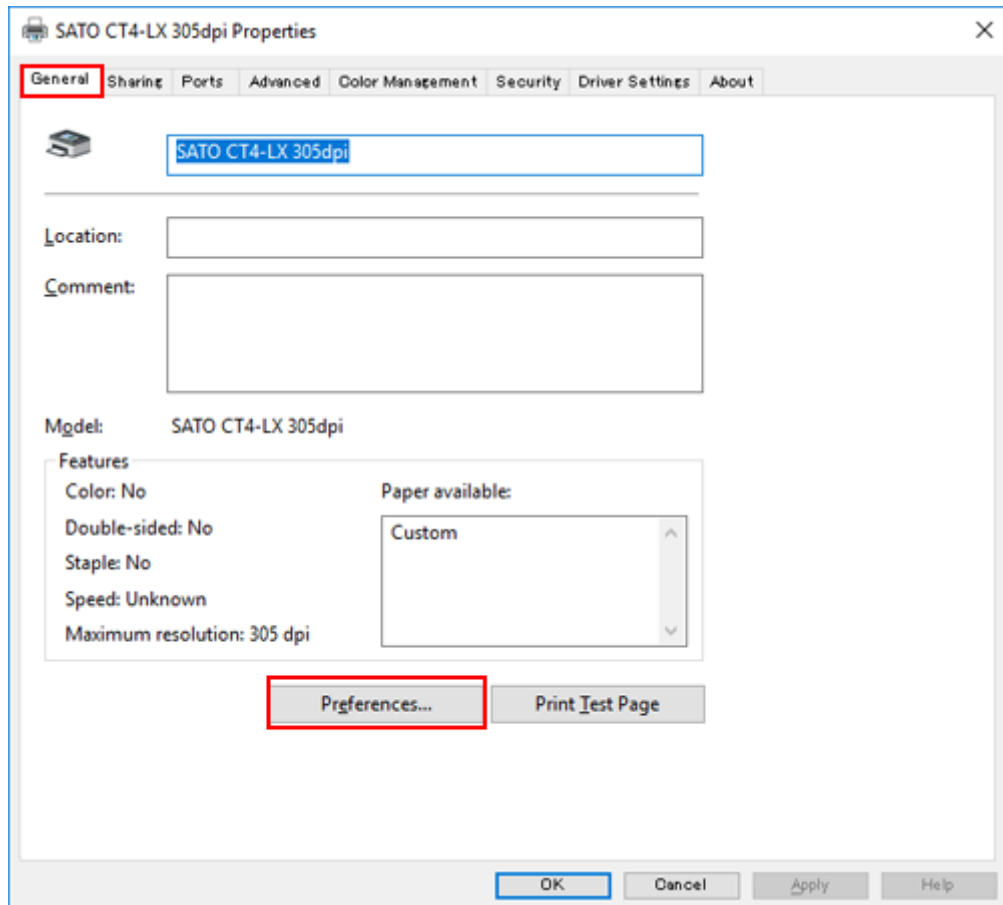
- **When configuring Printing Defaults** (for administrators to manage default settings of all users)

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



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

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



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.

