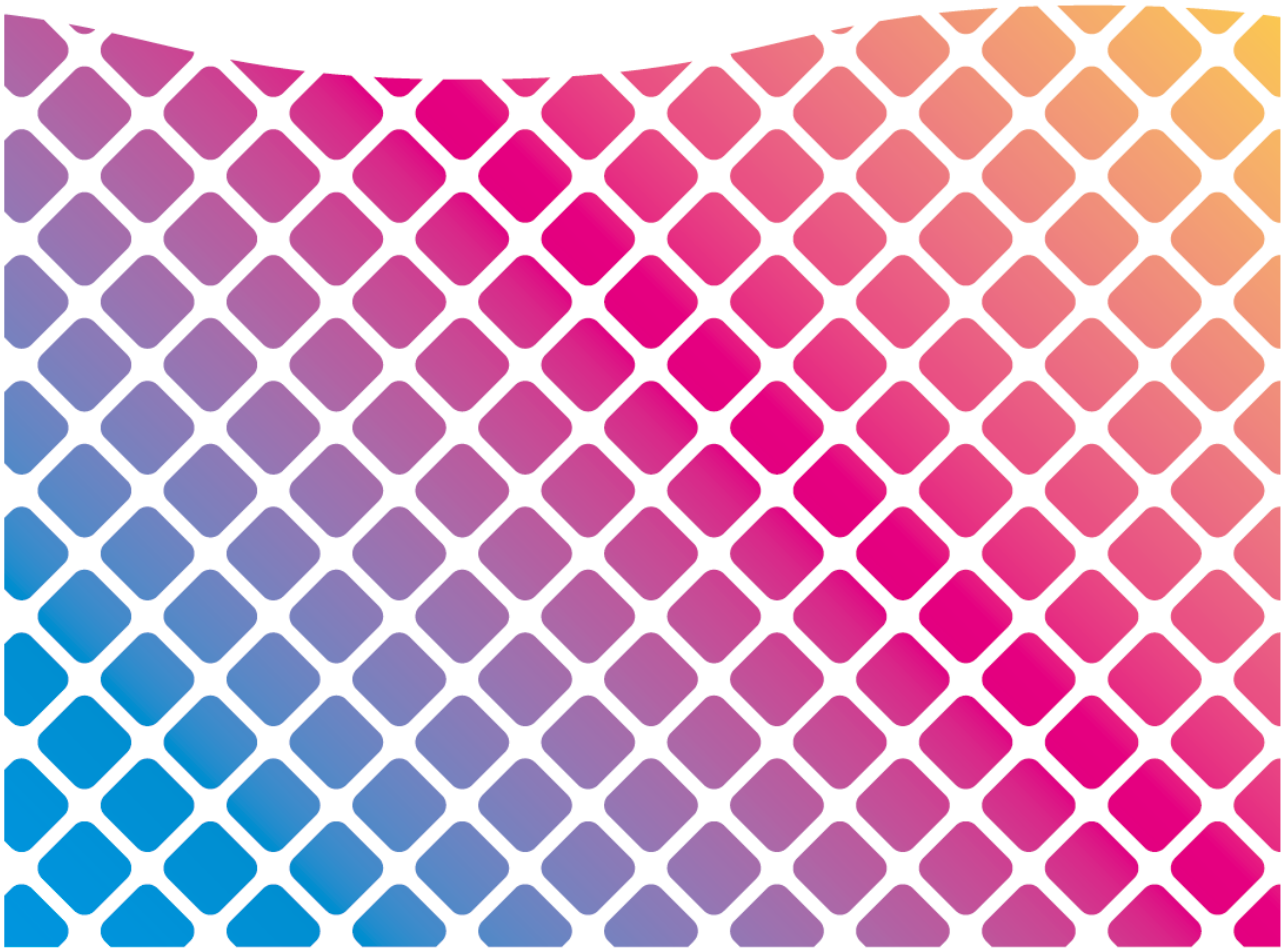
Software RIP

Raster Link 7



Network Connection Guide

MIMAKI ENGINEERING CO., LTD.

https://mimaki.com/

D203520-17

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About this guide

This manual explains the settings for a PC to which RasterLink7 has been installed and the procedures for installing printer drivers to a client PC.

Notations Used in this Manual

- The buttons and items displayed in screens are enclosed in square brackets [ ], such as [Finish] or [Full Color].
- Replace the printer name in this manual with the name of the product you are using.
- "RasterLink PC" is used for the PC to which RasterLink7 is installed.
- "RIP-PC" is used in this manual as the host name of RasterLink PC. Read the procedures for replacing the host name to that of the RasterLink PC being used.
- This manual uses Windows 10 images for illustration.

Symbols Used in this Manual

Description		
	Important	The "Important" symbol represents information you must be familiar with when using RasterLink7.
	Tip	The "Tip" symbol represents useful information to know.
	Reference Information	Indicates a reference page with related information. Click on the lettering to display the corresponding page.

How to obtain this manual and related manuals

The latest versions of this guide and related manuals are available at:

- Mimaki official site (https://mimaki.com/download/software.html)

Chapter 1 About RasterLink7

This chapter

This section provides an overview of RasterLink7.

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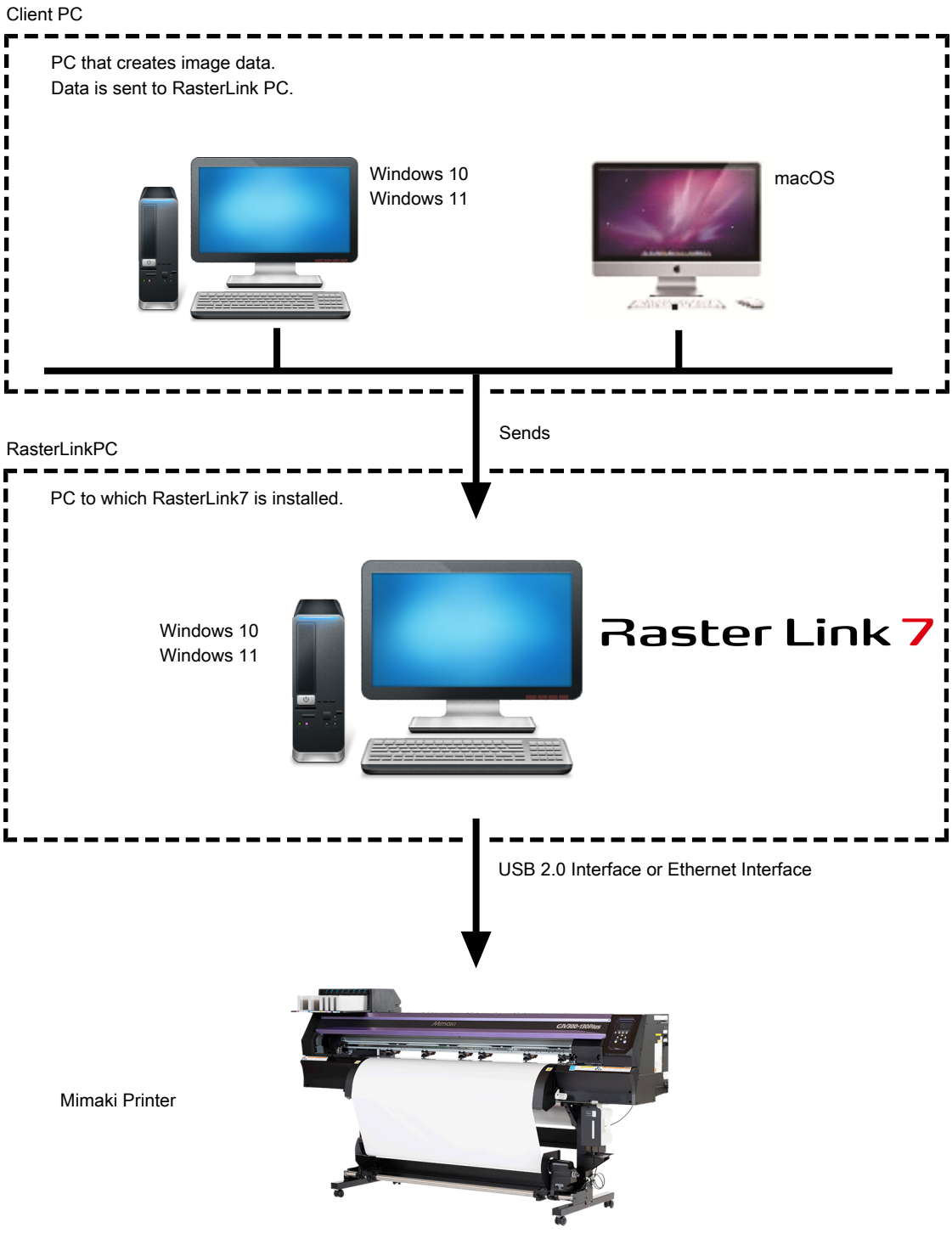
1.1 Introduction

Thank you for purchasing this Mimaki product.

RasterLink7 is application software used for reading various types of image data and sending it as print data to an inkjet printer manufactured by Mimaki Engineering.

System Configuration



1.2 System Requirements

The PC used as the client must be running an OS as described below.

However, connection might not be possible depending on the OS of the PC to which RasterLink is installed (referred to as the "RasterLink PC" hereinafter), or the client PC might limit the functions that can be connected. Refer to the following table for details.

OS for Windows Client PCs

OS	Microsoft® Windows 10® Home (64bit version) Microsoft® Windows 10® Pro (64bit version) Microsoft® Windows 10® Enterprise (64bit version) Microsoft® Windows 11® Home Microsoft® Windows 11® Pro

The printing methods of the RasterLink PC and OS, and client PC and OS are as follows.

OS of RasterLink PC		Printing Method	OS of Client PC	
			Windows 10	Windows 11
			64-bit	-
Windows 10	64-bit	Hot folder	OK	OK
	64-bit	Printer driver	OK	Yes
Windows 11	-	Hot folder	OK	Yes
	-	Printer driver	N/A	Yes

N/A: Not available

OS for Macintosh Client PCs

macOS 10.12 to 14 (Only compatible with SMB connection)

The printing methods of the RasterLink PC and OS, and client PC and OS are as follows.

OS of RasterLink PC	Printing Method	OS of Client PC				
		macOS				
		10.12 to 10.15	11	12	13	14
Windows 10	Hot folder	OK	OK	OK	OK	OK
	Printer driver	OK	OK	OK	OK	N/A
Windows 11 (21H2)	Hot folder	OK	OK	OK	OK	OK
	Printer driver	N/A	N/A	OK	OK	N/A
Windows 11 (22H2 or later)	Hot folder	OK	OK	OK	OK	OK
	Printer driver	N/A	N/A	N/A	N/A	N/A

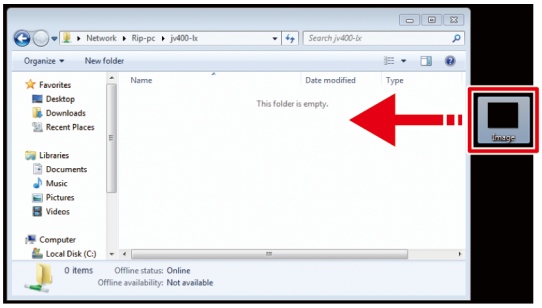
N/A: Not available

1.3 Client PC Printing Methods

Important!
- Be sure to set the user account password using the RasterLink PC.
  If you do not set a password, you cannot connect from the client PC.

Printing Using a Hot Folder

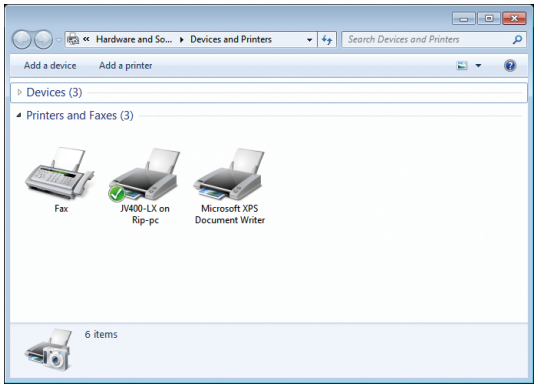
RasterLink7 creates a folder for receiving image data called a "hot folder" on the PC to which it is installed. Drag and drop image data from the client PC to this hot folder to transfer the data to RasterLink7.



Printing by Installing a Printer Driver

If printing by directly connecting with Adobe Illustrator, Adobe Photoshop, or similar application, use the printer driver created by RasterLink7.

Specify the printer driver created by RasterLink7 in the same manner as a regular printer driver.



You can use either of the following methods to create a hot folder and printer driver.
- Create a hot folder and printer driver when registering the printer by use of the [Printer Management] function. (Refer to the separate RasterLink7 installation guide.)
- Use the [Favorite] function to create a hot folder and printer driver. ☞ "Creating a Hot Folder and Printer after Printer Registration"(P. 18)

Important!
When printing does not work even after following the procedures.
- The printing method using a hot folder or printer driver is based on an OS function, and the failure to print can be caused by a problem with the Windows or Macintosh OS or a change in the specifications. If you cannot print even after following the procedure, use a USB memory drive or other storage media to move the data.

Print by using a USB memory drive or other storage media.

The image data can be imported to RasterLink7 by moving it from the client PC to the RasterLinkPC by using a USB memory drive or other storage media.

Chapter 2 RasterLink PC Settings

This chapter

This section describes the settings required to connect RasterLink7 to the network and so that it operates normally.

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2.1 Overview of Settings

About the RasterLink PC

RasterLink PC indicates the PC that installs RasterLink7 and the PC to which the software is installed.

Flow of Settings

The general flow of RasterLink PC settings is as follows.

1. Specify settings before installing RasterLink7.

☞ "Changing the Host Name"(P. 11)
☞ "Workgroup Settings"(P. 13)

2. Install RasterLink7.

RasterLink7 installation printer registration (Refer to the separate "RasterLink7 Installation Guide".)

3. Specify settings after installing RasterLink7.

☞ "Shared and Search Settings"(P. 16)

Change the common settings of the RasterLink PC in order to connect the client PC with the RasterLink PC folders and printers.

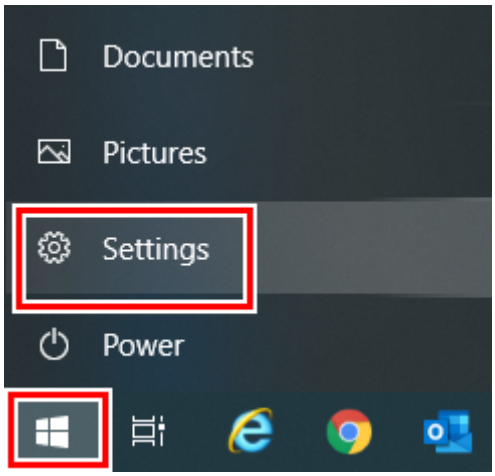
2.2 Changing the Host Name

Specify the host name (computer name) in order to identify the RasterLink PC on the network.

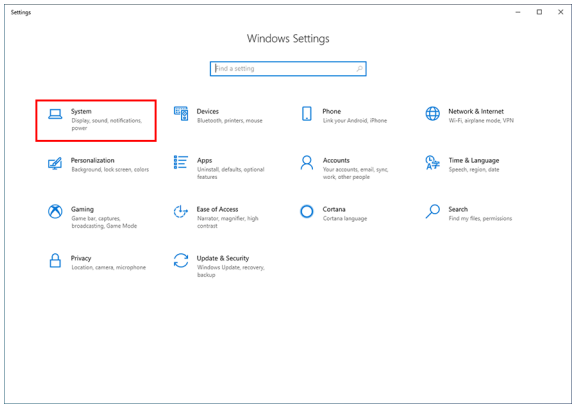
If there are multiple RasterLink PCs on the same network, you must change the names so that the host name is not duplicated.

An example where "RIP-PC" is set as the host name is used for this explanation.

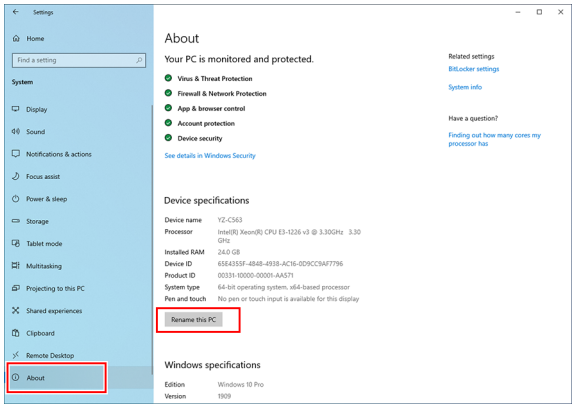
1 **From the [Start] menu, click [Settings].**



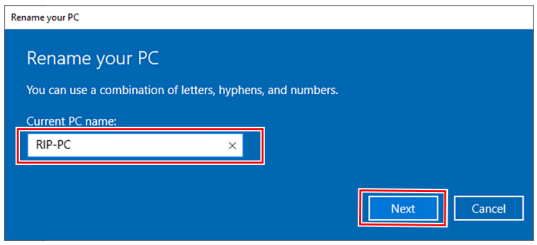
2 **Click [System].**



3 **Click [About], and then click [Rename this PC].**

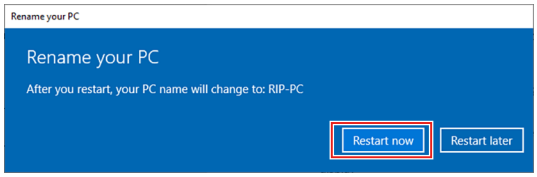


4 **Change the [Current PC name], and then click [Next].**



5 **When the confirmation screen is displayed, click [Restart Now].**

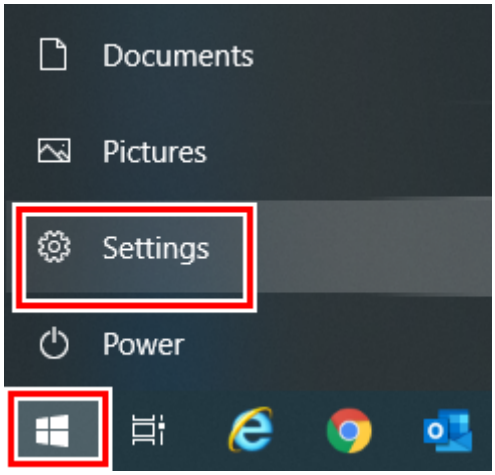
- The PC is restarted.



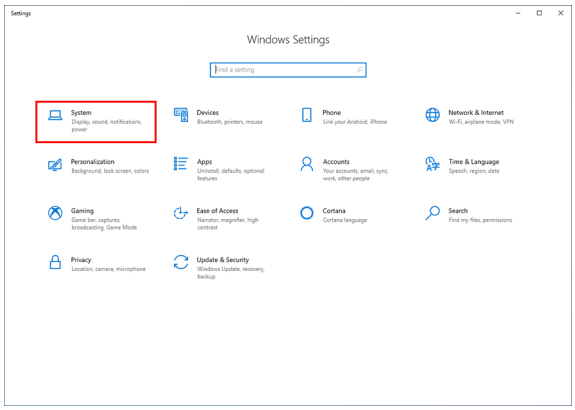
2.3 Workgroup Settings

Set the RasterLink PC so that it can join the workgroup named "WORKGROUP".
If joining a domain network, consult with network administrators regarding the network being used.

1 **From the [Start] menu, click [Settings].**

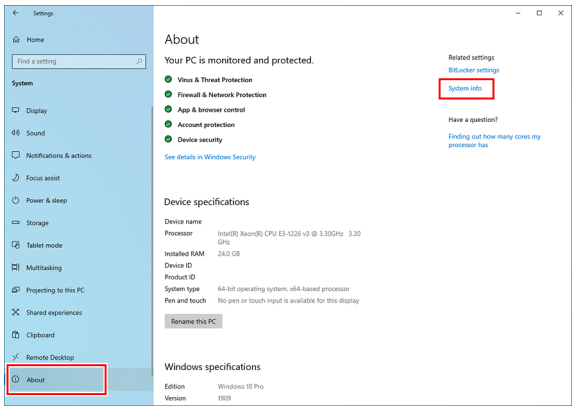


2 **Click [System].**



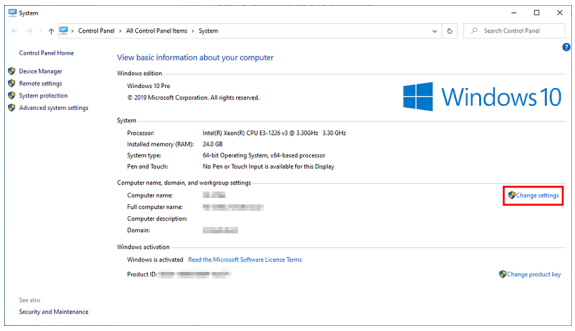
3 **In the left pane, click [About], then click [System info] or [Rename this PC] in the right pane.**

- If you clicked [Rename this PC], go to step 5.

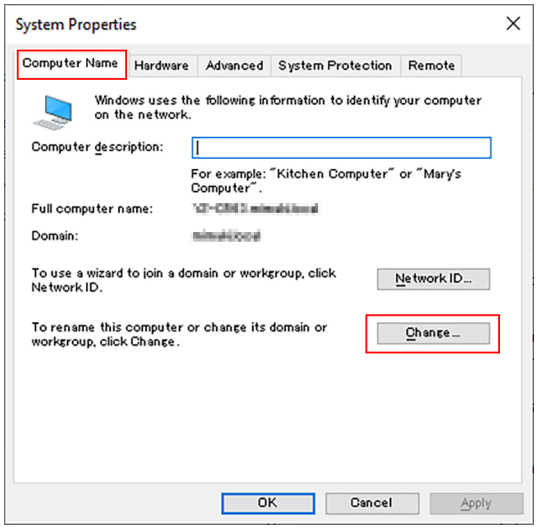


- For Windows 11
  After clicking [About] in the right pane, click [Domain or workgroup] and go to step 5.

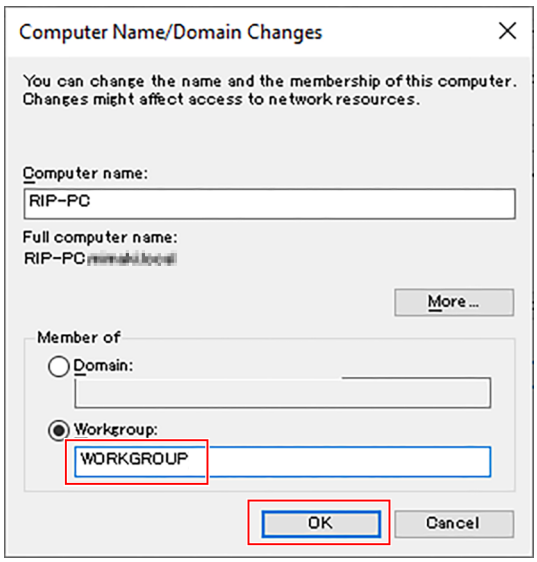
4 Click [Change settings].



5 Click the [Computer Name] tab, and then click [Change].



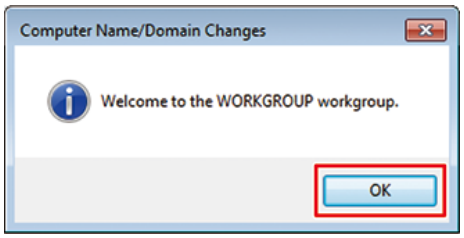
6 Change to [WORKGROUP], and then click [OK].



Important!

- Enter the workgroup name using single-byte alphanumeric characters.
- Input alphabet characters using capital letters.
- It is not necessary to change the [Computer Name].

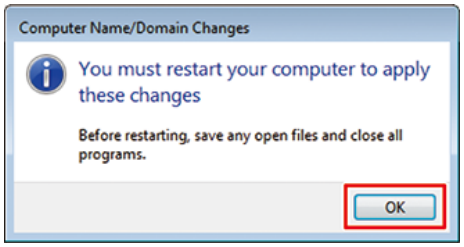
7 **Click [OK].**



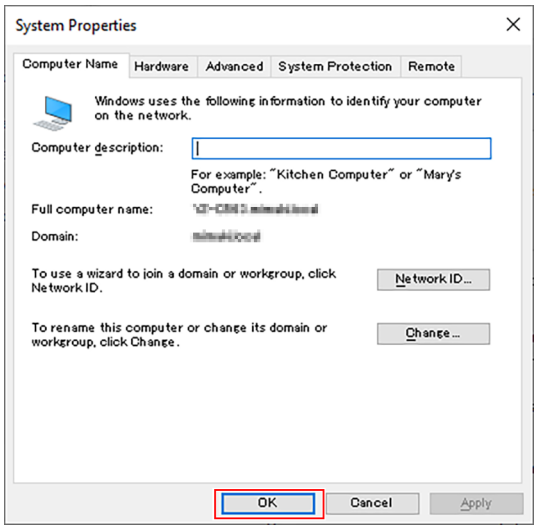
- This screen is not displayed when the workgroup name is not changed.

8 **When the confirmation screen is displayed, click [OK].**

- Do not restart the computer yet.

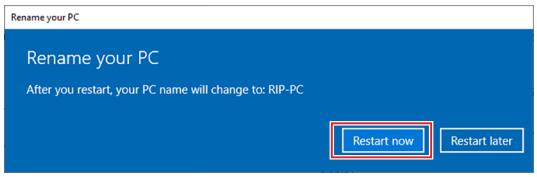


9 **In the [System Properties] screen, click [OK].**



10 **Click [Restart Now].**

- The PC is restarted.



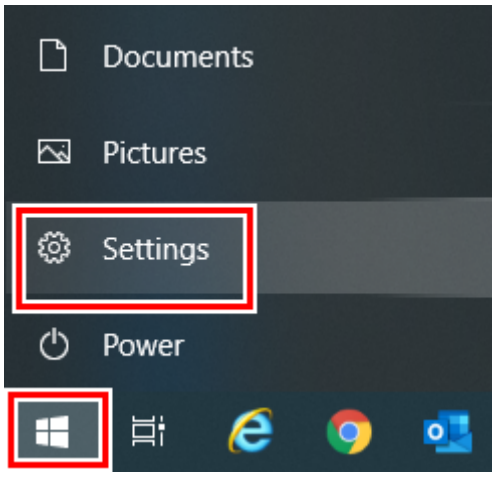
2.4 Shared and Search Settings

Specify settings so that you can access the RasterLink PC from the client PC connected to the network.

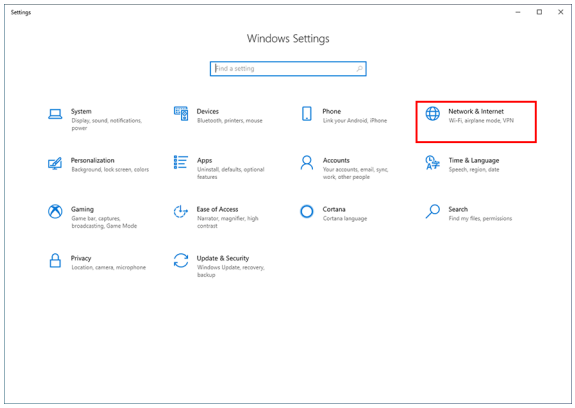
This section describes how to specify settings so that the RasterLink PC joins the workgroup named "WORKGROUP", and you can share and search on a private network.

If joining a domain network, consult with network administrators regarding the network being used.

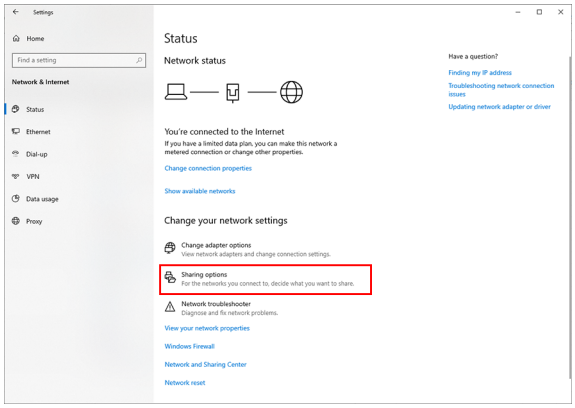
1 **From the [Start] menu, click [Settings].**



2 **Click [Network & Internet].**



3 **Click [Sharing Options].**

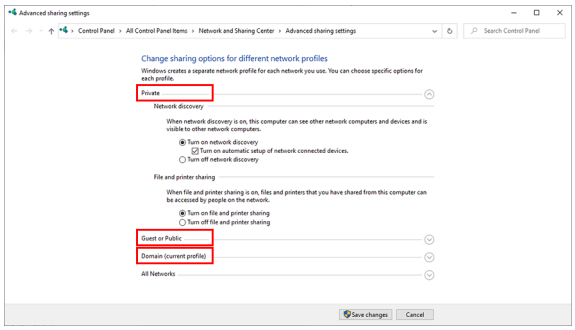


For Windows 11, you can display the settings screen in either of the following ways.

- In File Explorer, with [Network] selected, right-click and select [Properties], then click [Change advanced sharing settings].
- Open [Control Panel] and select [Network and Sharing Center] - [Change advance sharing settings].

4 Select either [Private] or [Guest or Public] according to the network configuration.

- [Domain] may be displayed.



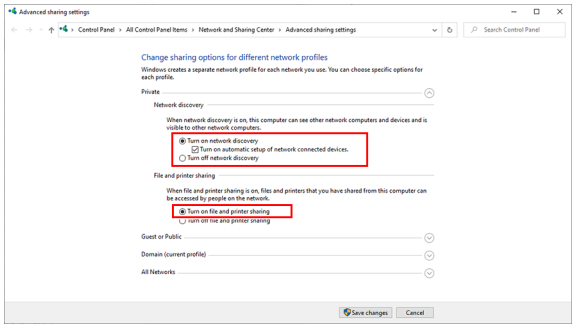
- [Private] needs to be marked as the current profile. Sharing is disabled in public networks.

5 Set the following items.

(1) Select [Turn on network discovery].

- If [Private], select the check box next to [Turn on automatic setup of network connected devices].

(2) Select [Turn on file and printer sharing].



For Windows 11 (22H2 or later)

(1) Turn on [Network discovery].

- If set to [Private], select the [Set up network connected devices automatically] check box.

(2) Turn on [File and printer sharing].

2.5 Creating a Hot Folder and Printer after Printer Registration

If you did not create a hot folder and printer when you registered the printer or created a favorite, you can create it later by following the steps below.

- For printer registration procedures, refer to the separate "RasterLink7 Reference Guide".

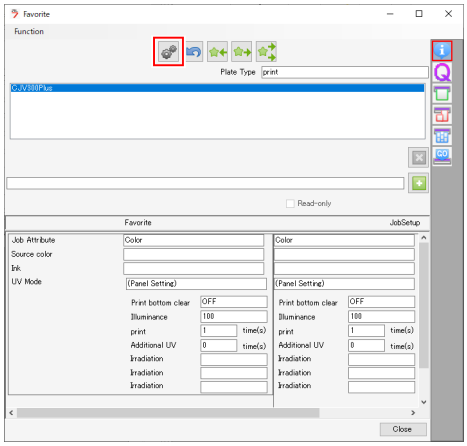
1 **Start RasterLink7.**

- If creating a hot folder and printer, start RasterLink7 with administrator authority.

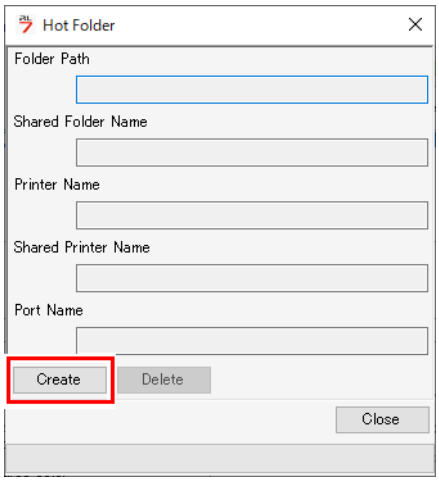
2 **Select the [Favorite] icon.**

3 **Select the favorite for which you want to create a hot folder and printer from the list, and then click on the [ ] icon.**

- The [Hot Folder] dialog box will appear.

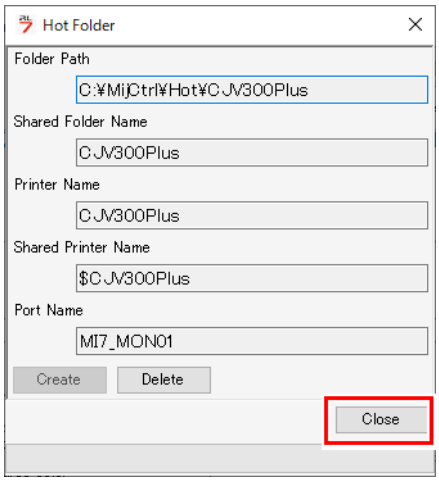


4 **Click [Create].**



5 **Click [Close].**

- The hot folder and printer are created.



Chapter 3 Client PC Settings

This chapter

This section describes the client PC settings for accessing RasterLink7 on the network.

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3.1 Overview of Settings

You can use Windows 10 or 11, or Macintosh on the client PC.

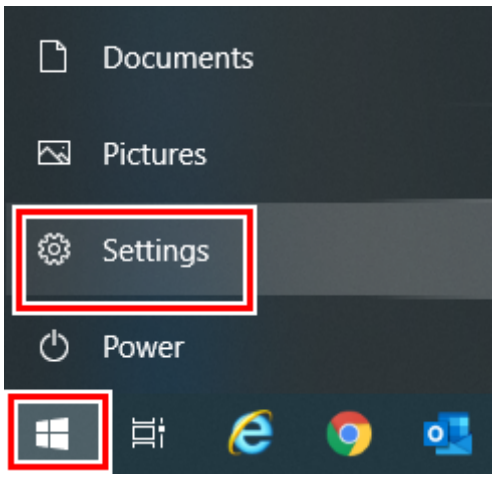
- This section describes printer management of RasterLink7 using a registered CJV300Plus printer. If another printer has been registered, change the printer name before specifying the settings.

3.2 For Windows

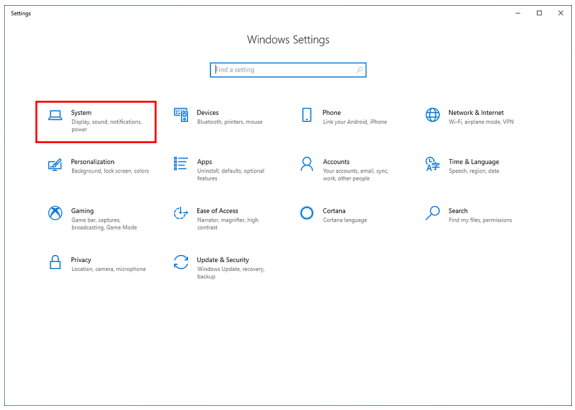
Workgroup Settings

Specify settings so that the client PC can join the workgroup specified by the RasterLink PC.
If joining a domain network, consult with network administrators regarding the network being used.
An example with "WORKGROUP" specified as the workgroup name is used for explaining the settings.

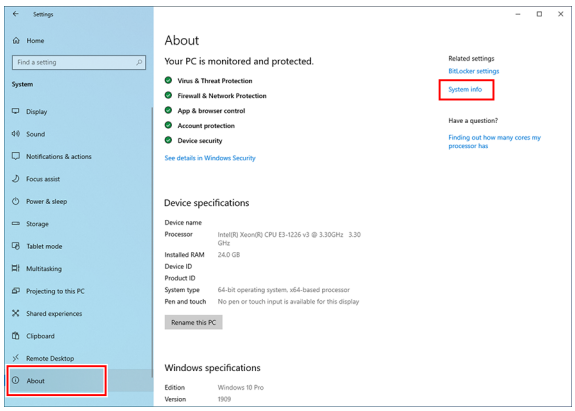
1 **From the [Start] menu, click [Settings].**



2 **Click [System].**

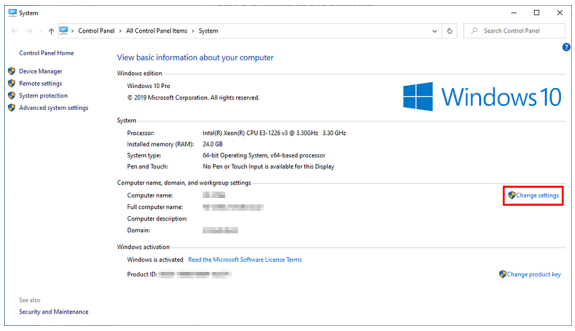


3 **In the left pane, click [About], and then click [System info] in the right pane.**

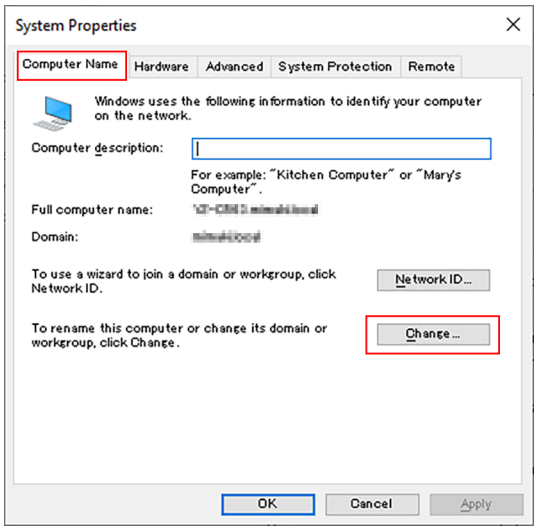


- For Windows 11
  After clicking [About] in the right pane, click [Domain or workgroup] and go to step 5.

4 Click [Change settings].

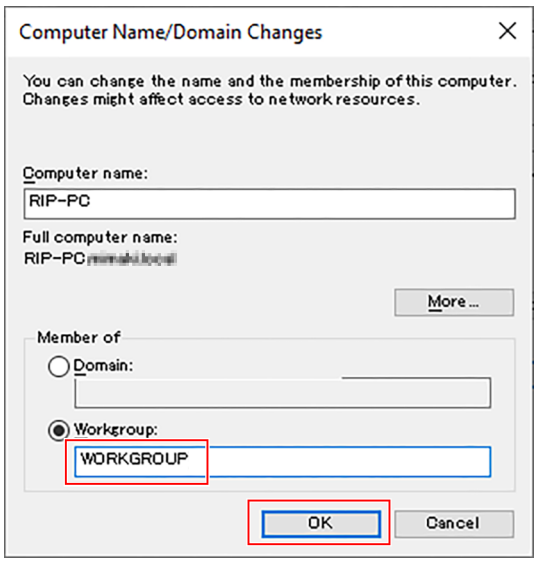


5 Click the [Computer Name] tab, and then click [Change].

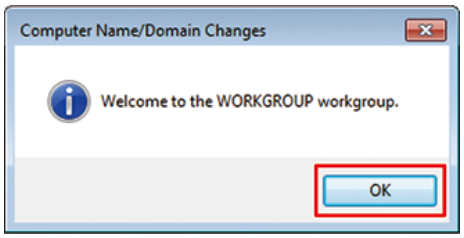


6 Change to [WORKGROUP], and then click [OK].

Important! • Input the same name as the workgroup name set by the RasterLink PC.



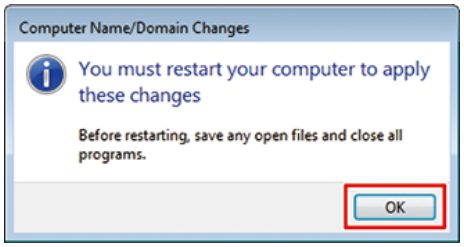
7 **Click [OK].**



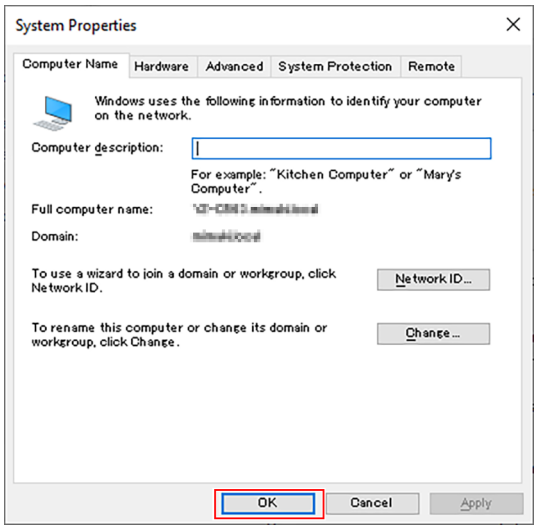
- This screen is not displayed when the workgroup name is not changed.

8 **When the confirmation screen is displayed, click [OK].**

- Do not restart the computer yet.

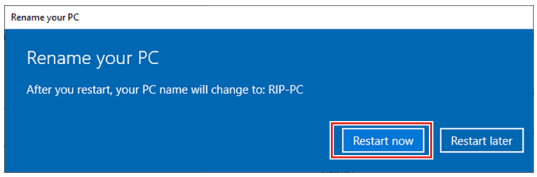


9 **In the [System Properties] screen, click [OK].**



10 **Click [Restart Now].**

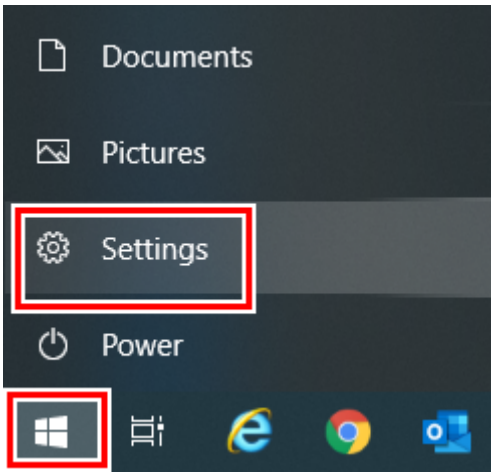
- The PC is restarted.



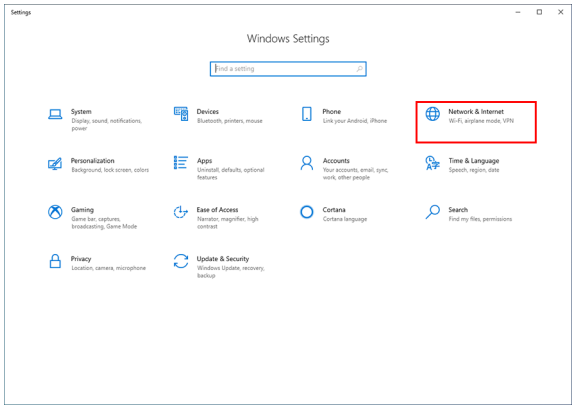
Shared and Search Settings

Have the client PC join the workgroup and then specify settings for sharing and searching on a private network.
If joining a domain network, consult with network administrators regarding the network being used.

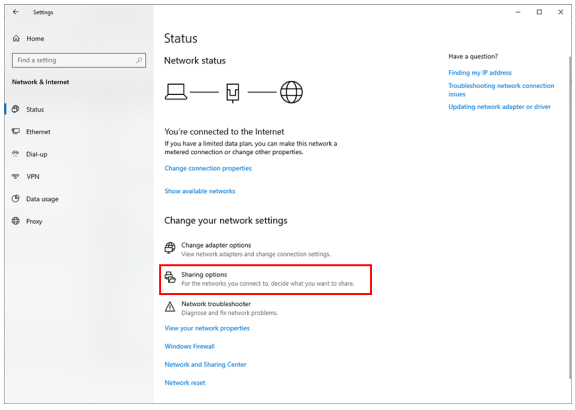
1 **From the [Start] menu, click [Settings].**



2 **Click [Network & Internet].**



3 **Click [Sharing Options].**



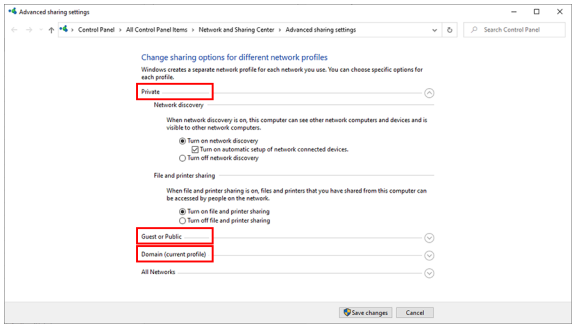
For Windows 11, you can display the settings screen in either of the following ways.

- In File Explorer, with [Network] selected, right-click and select [Properties], then click [Change advanced sharing settings].
- Open [Control Panel] and select [Network and Sharing Center] - [Change advance sharing settings].

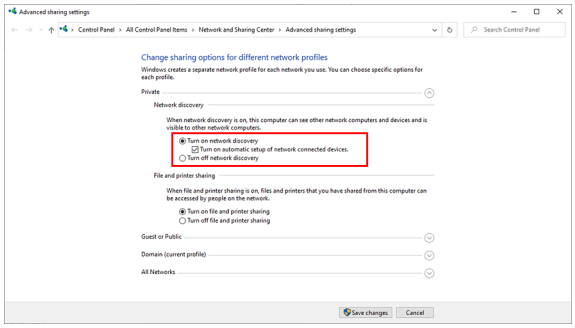
4 Select either [Private] or [Guest or Public] according to the network configuration.

- [Domain] may be displayed.

- If a network administrator is present, check with him/her for which setting should be used.



5 Select [Turn on network discovery].

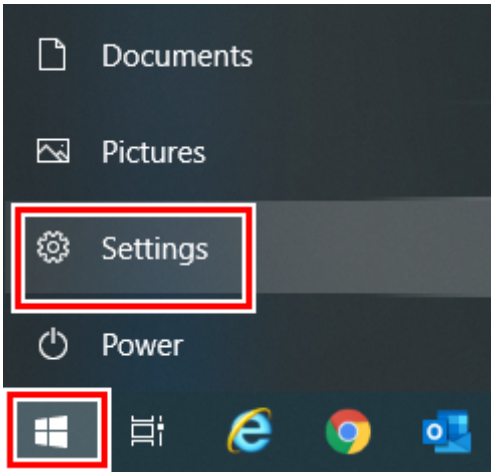


- For Windows 11 (22H2 or later)
  Turn on [Network discovery].

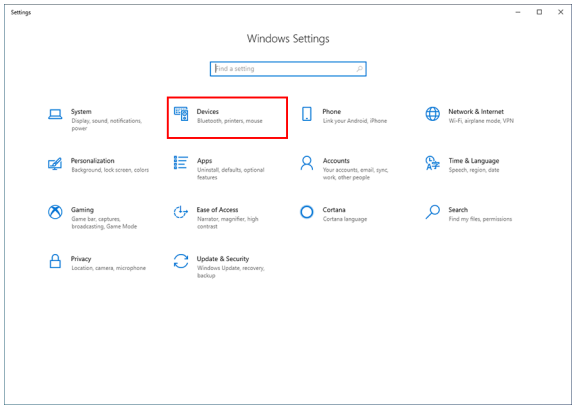
Printer Driver Installation

This section describes how to install a printer driver.

1 **From the [Start] menu, click [Settings].**



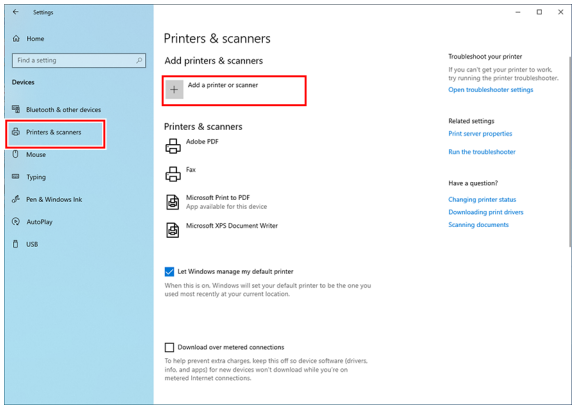
2 **Click [Devices].**



- For Windows 11
  Click [Bluetooth & devices] in the left pane.

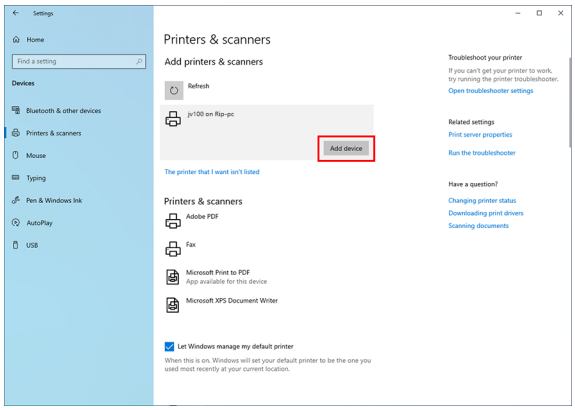
3 **Click [Printers & scanners].**

4 **Click [Add a printer or scanner].**



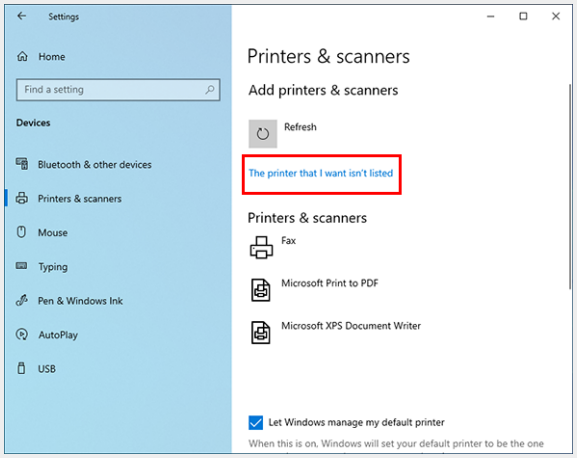
- For Windows 11
  To the right of [Add a printer or scanner], click [Add device].

5 Select the printer of the RasterLink PC you want to share, and then click [Add device].

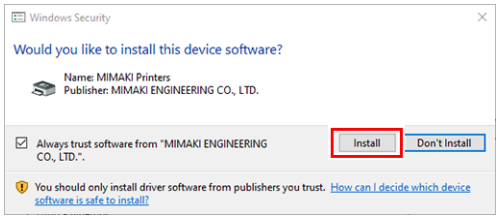


Important!

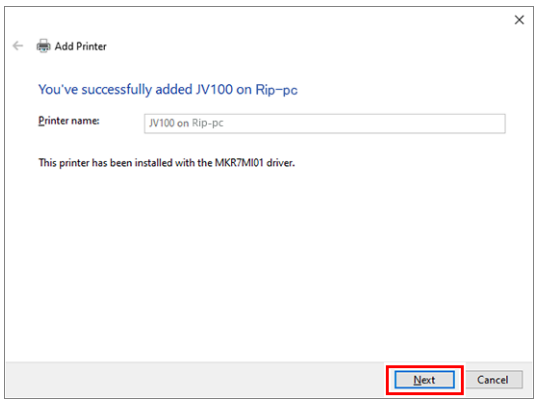
- If the printer does not appear in the list, click [The printer that I want isn't listed] or [Add manually] to the right of [The printer that I want isn't listed], then add the printer as described in "Adding a Printer"(P. 32).



6 Click [Install].

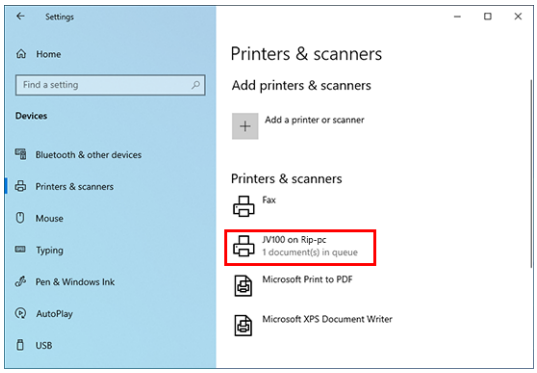


7 Click [Next].



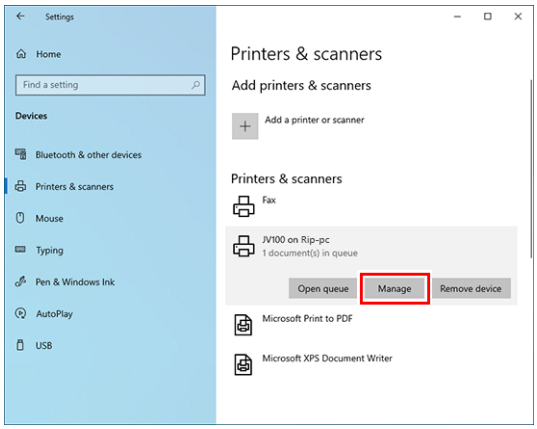
8 Click [Finish].

- The printer is registered.



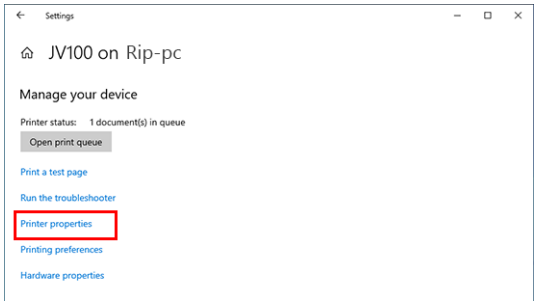
9 Click the printer added in step 8.

10 Click [Manage].

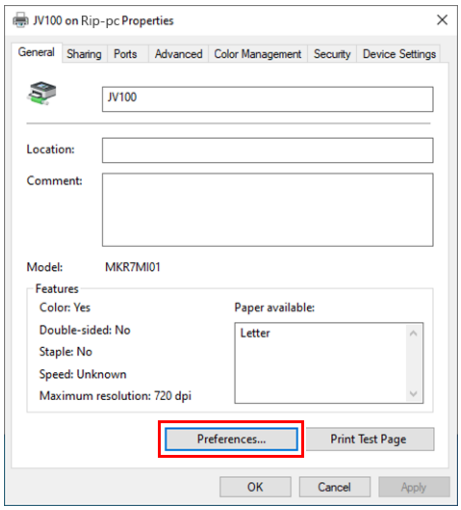


- For Windows 11
  Skip this step and go to the next step.

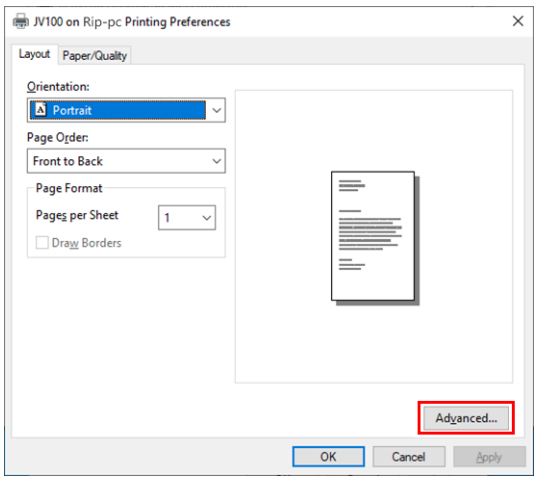
11 Click [Printer properties].



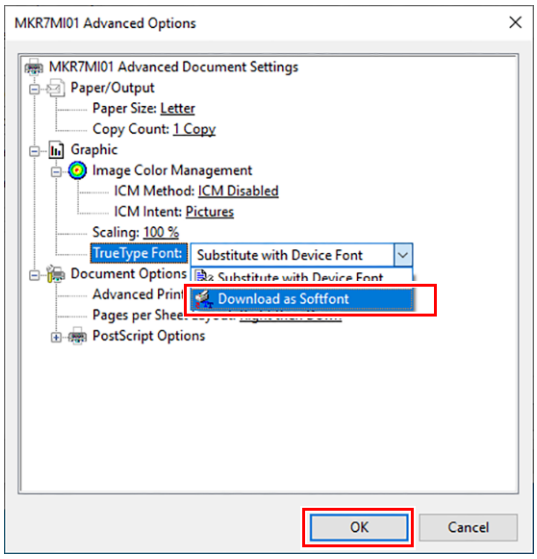
12 Click [Preferences].



13 Click [Advanced].



14 For [TrueType Font], select [Download as Softfont].

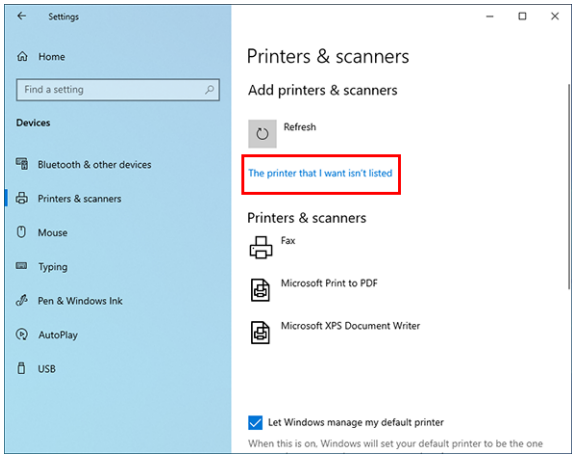


15 Click [OK].

Adding a Printer

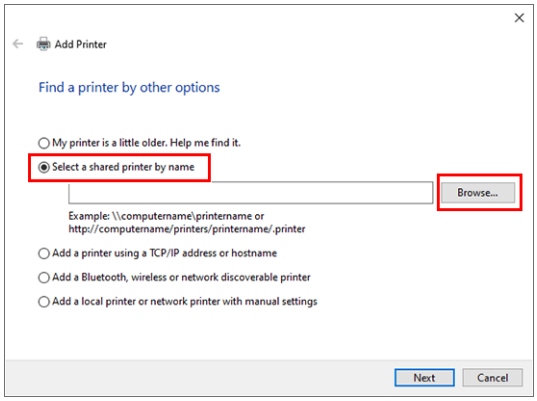
If the printer does not appear in the list, add the printer by following the steps below.

1 **Click [The printer that I want isn't listed].**



- For Windows 11
  Click [Add manually] to the right of [The printer that I want isn't listed].

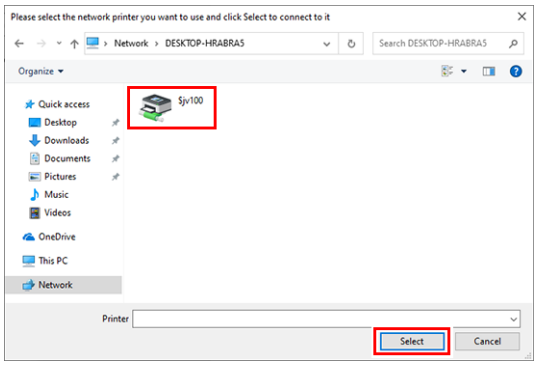
2 **Select [Select a shared printer by name] and then click [Browse].**



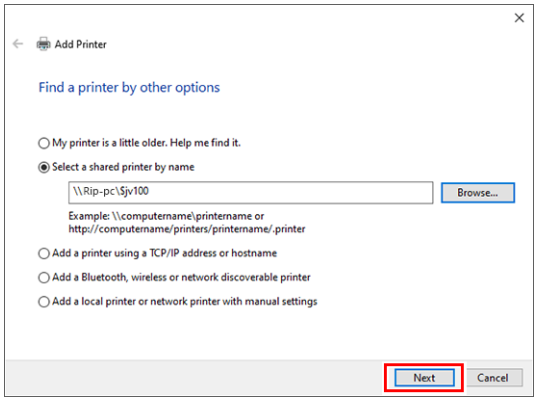
3 **Specify RasterLink PC.**

- The shared printer is displayed.

4 **Select [Shared printer] and then click [Select].**

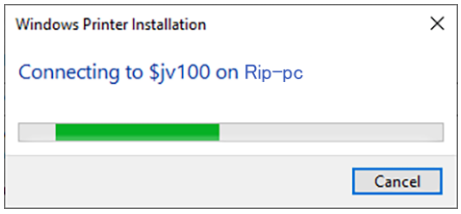


- "\\<RasterLink PC name>\<shared printer name>" is displayed in [Select a shared printer by name].

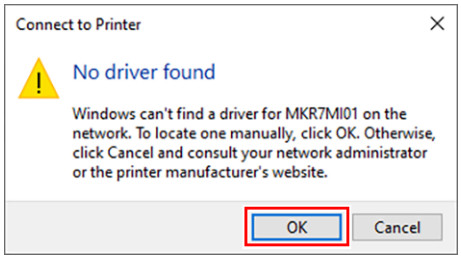


5 **Click [Next].**

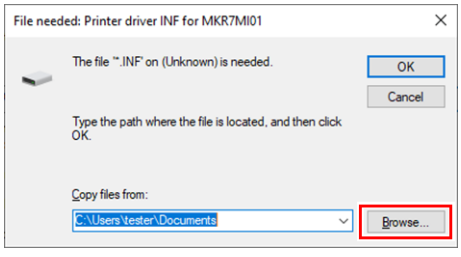
- The Windows printer installation is started.



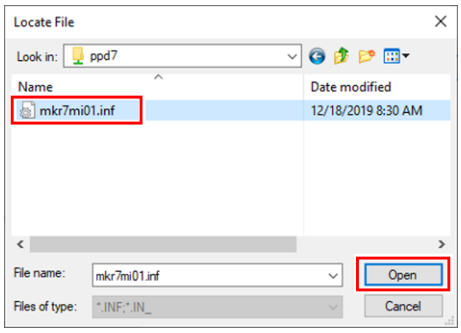
6 **If the client PC architecture is different from that of RasterLink PC, the following dialog box appears. Click [OK].**



7 **Click [Browse].**

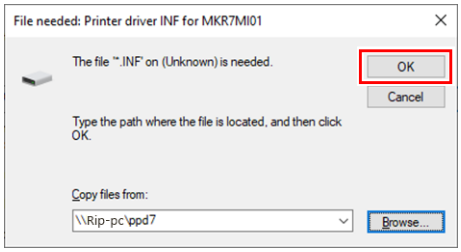


8 Select "mkr7mi01" in the RasterLink PC "ppd7" folder.



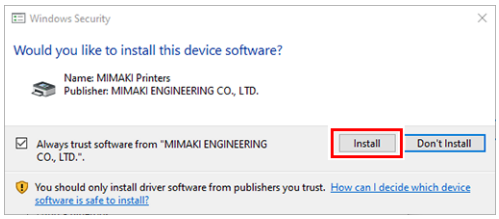
9 Click [Open].

- The path appears in [Copy files from].

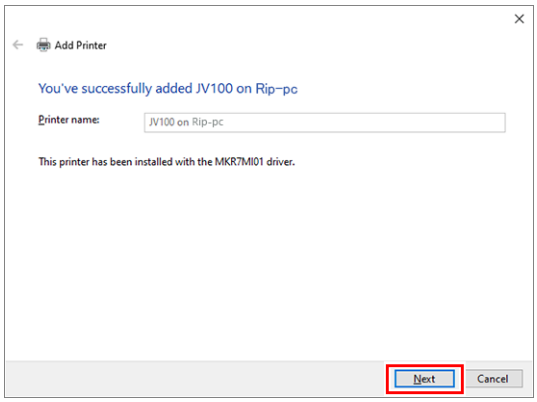


10 Click [OK].

11 Click [Install].

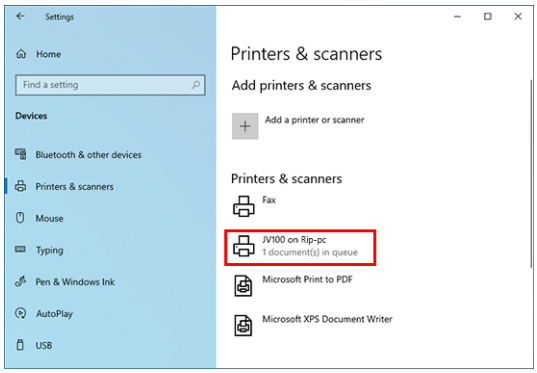


12 Click [Next].



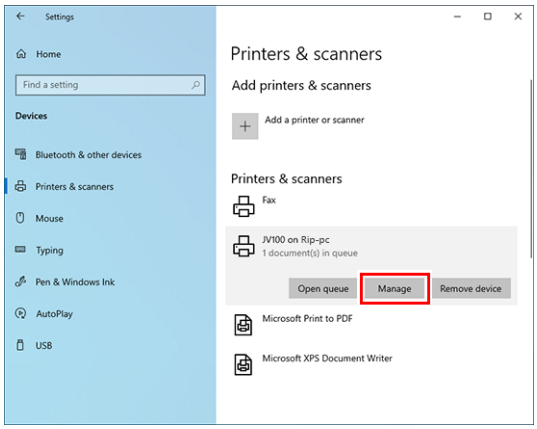
13 Click [Finish].

- The printer is registered.



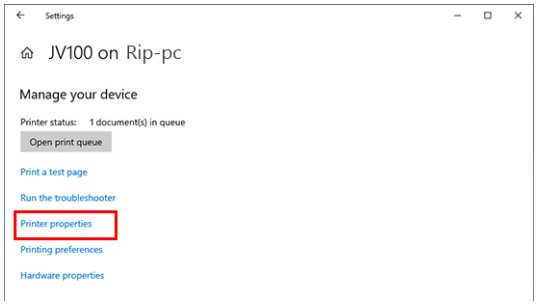
14 Click the printer added in step 13.

15 Click [Manage].

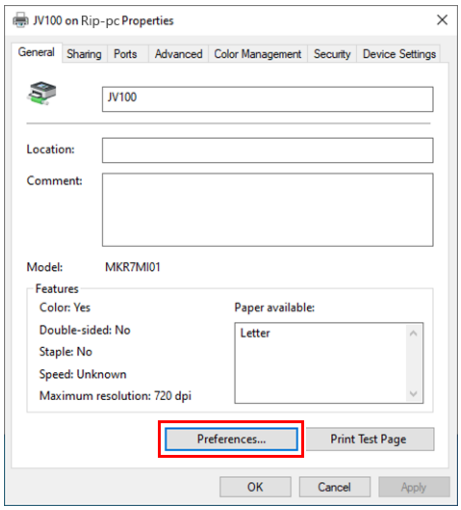


- For Windows 11
  Skip this step and go to the next step.

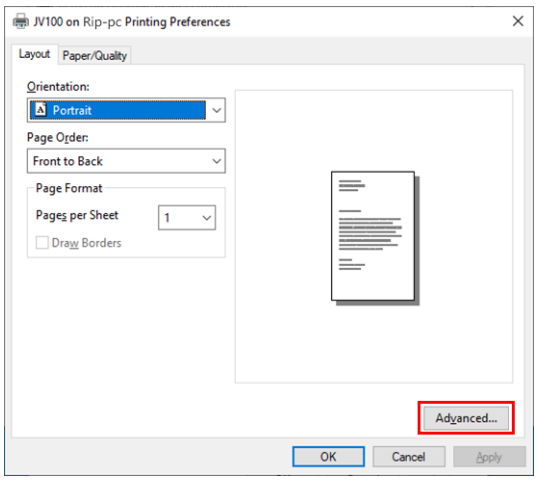
16 Click [Printer properties].



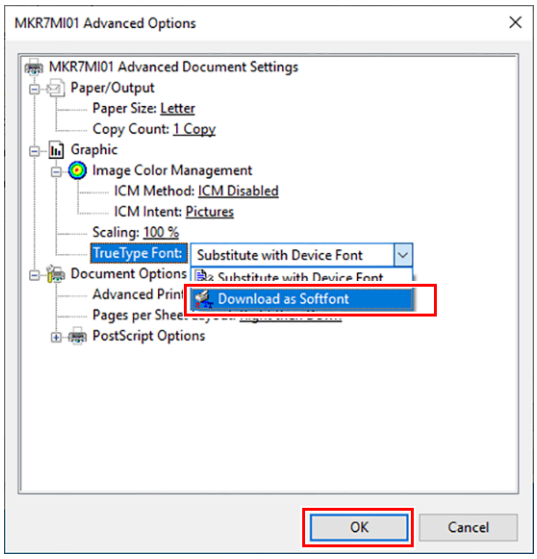
17 Click [Preferences].



18 Click [Advanced].



19 For [TrueType Font], select [Download as Softfont].



20 Click [OK].

3.3 For Macintosh

An example using Mac OS X 10.14 is shown to describe the settings. The procedures are the same for other OS unless specifically indicated otherwise.

Workgroup Settings

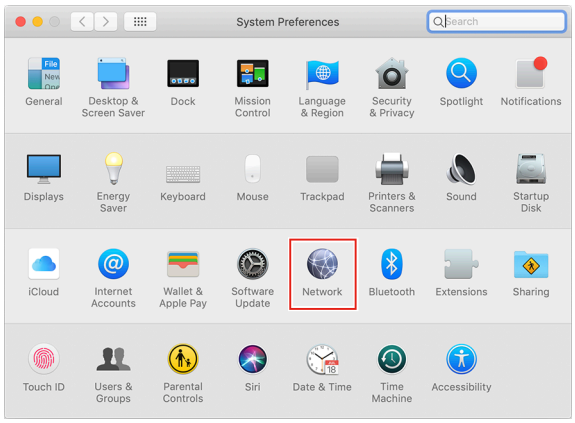
Specify settings so that the client PC can join the workgroup specified by the RasterLink PC.

If joining a domain network, consult with network administrators regarding the network being used.

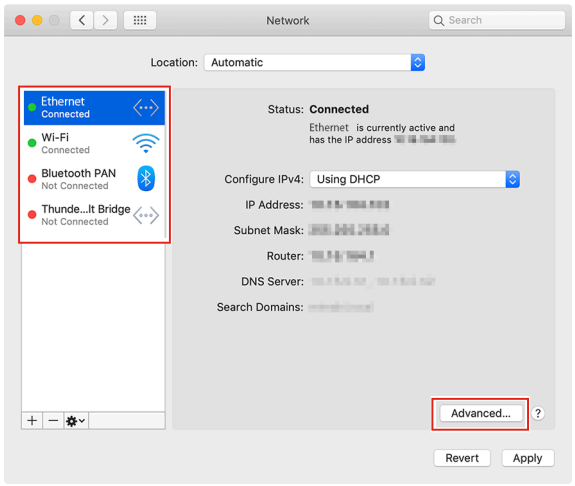
An example with "WORKGROUP" specified as the workgroup name is used for explaining the settings.

Specify the workgroup name as "WORKGROUP" in the RasterLink PC as well.

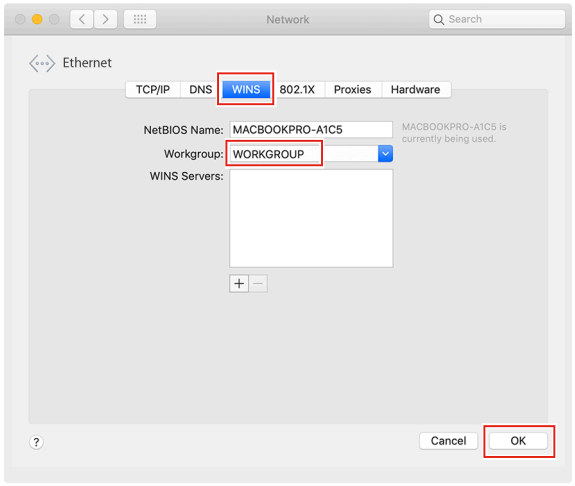
1 **In the [System Preferences] or [System Settings] window, click [Network].**



2 **Select the connected network, and then click [Advanced...].**



3 **Select [WINS], input the same group name as that in the RasterLink PC ("WORKGROUP" in this example) in [Workgroup], and then click [OK].**



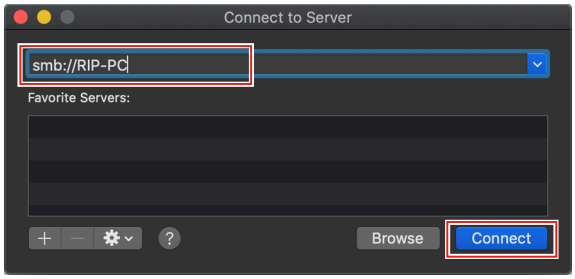
Hot Folder Settings Using the Finder

Select a file user using the Finder in order to access hot folders of RasterLink7 from a Macintosh client PC.

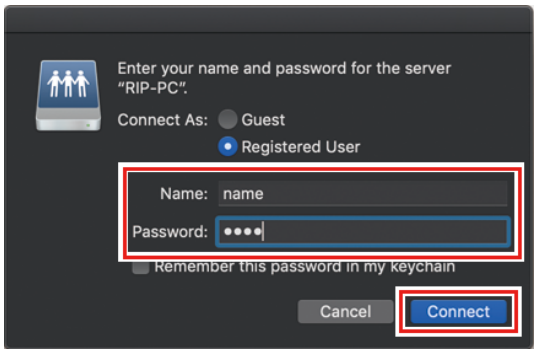
1 **In [Finder], select [Go] - [Connect to Server...].**

2 **Input the following address for the server address, and then click [Connect].**

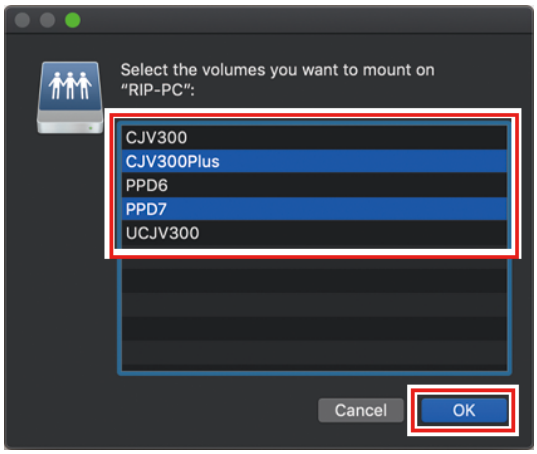
- "Host name of smb://RasterLink7"
  or
- "IP address of smb://RasterLink7"
  ☞ "Checking Host Name and IP Address Settings"(P. 49)



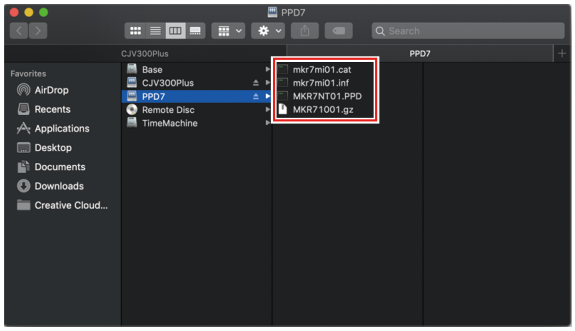
3 **Input the [Name] and [Password] of a user already registered in the RasterLink PC, and then click [Connect].**



4 **Select the hot folder and PPD7 folder being used, and then click [OK].**



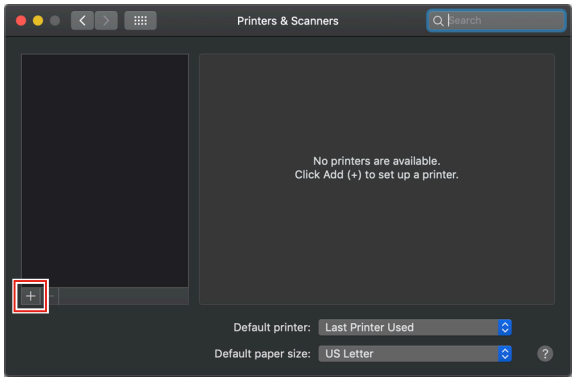
- The hot folder and PPD7 folder are mounted to enable access from the Macintosh client PC.

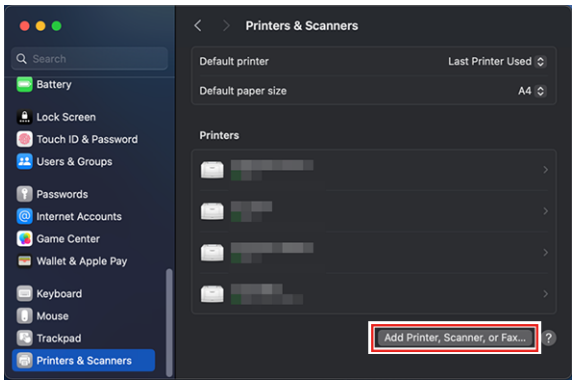


Printer Settings

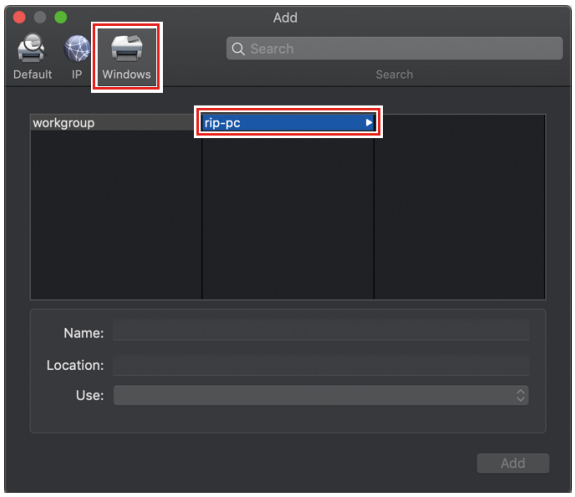
1 **In the [System Preferences] or [System Settings] window, select [Printers & Scanners].**

2 **Click [+] or [Add Printer, Scanner, or Fax].**





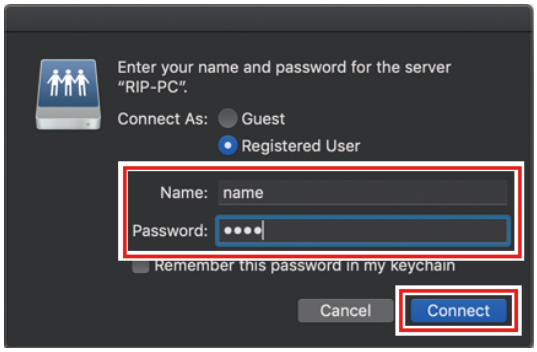
3 **From the icons at the top of the screen, select [Windows], and then select [rip-pc].**



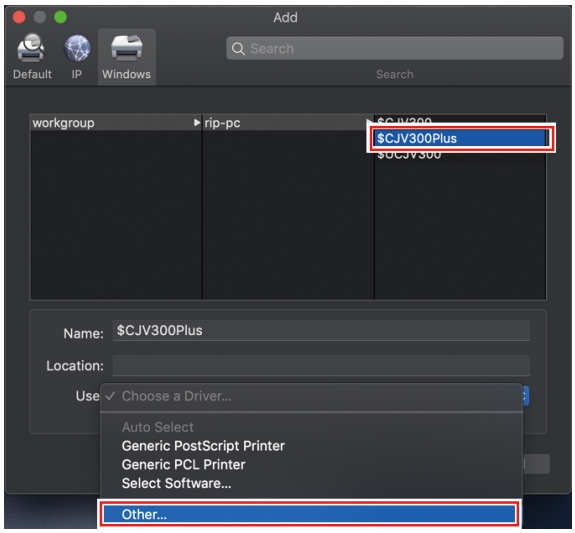
Important! • If you cannot find the RasterLink PC using this screen, refer to ☞ "Manually Adding a Printer"(P. 44) and add the printer accordingly.

4 **Input the [Name] and [Password] of a user already registered in the RasterLink PC, and then click [Connect].**

Important! • If connecting using a guest account, select [Guest] for [Connect as].



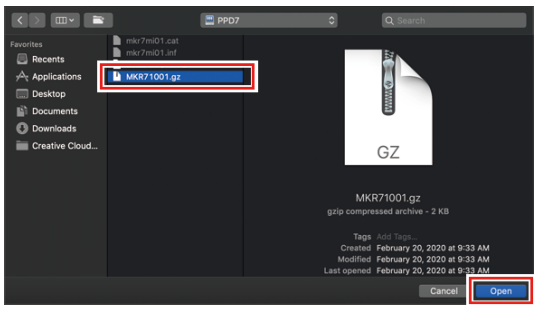
5 **Select the printer to use, and select [Other] for [Use].**



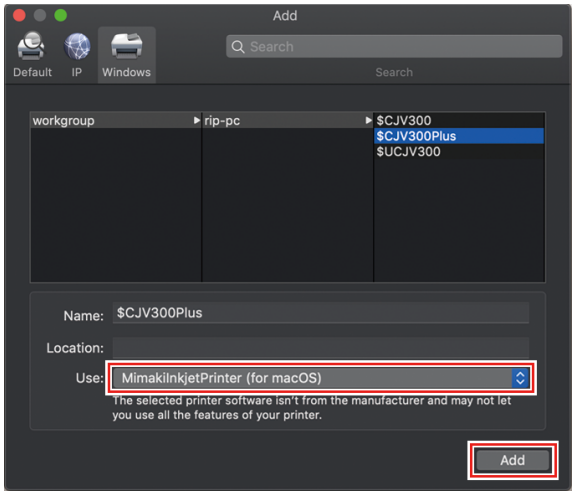
6 In the mounted PPD7 folder, select "MKR71001.gz", and then click [Open].

Important!

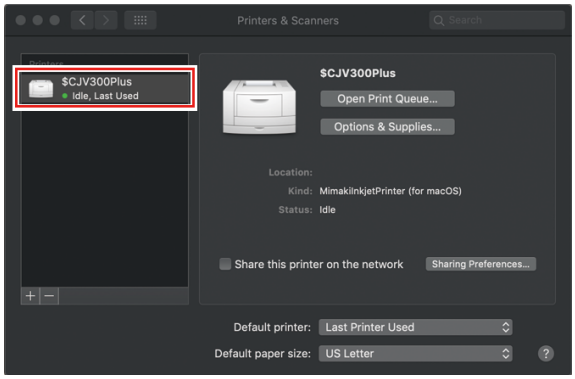
- When "MKR71001.gz" cannot be selected, select the driver referring to ☞ "When "MKR71001.gz" cannot be selected"(P. 47).



7 Check that [MimakiInkjetPrinter(for macOS)] is displayed, and then click [Add].



- The added printer is displayed in the list.



8 Repeat steps 2 to 7 to add more printers as necessary.

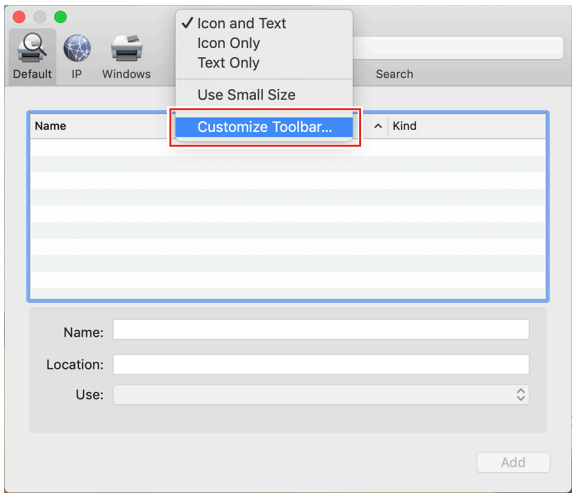
Manually Adding a Printer

If you cannot find the RasterLink PC in the browser list, perform manual installation according to the following procedures.

1 In the toolbar of the [Add Printer] window, select the [] or [] icon (advanced settings).

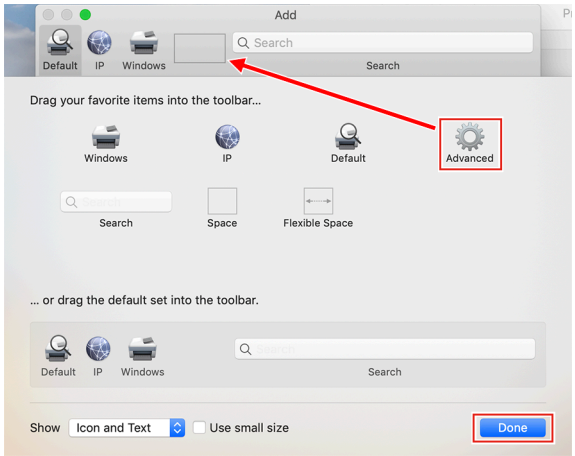
- If there is no [] icon (advanced settings) in the toolbar, add one according to the following procedures.

  (1) Press and hold the [Control] key while clicking on the toolbar, and then select [Customize tool bar] from the displayed pop-up menu.

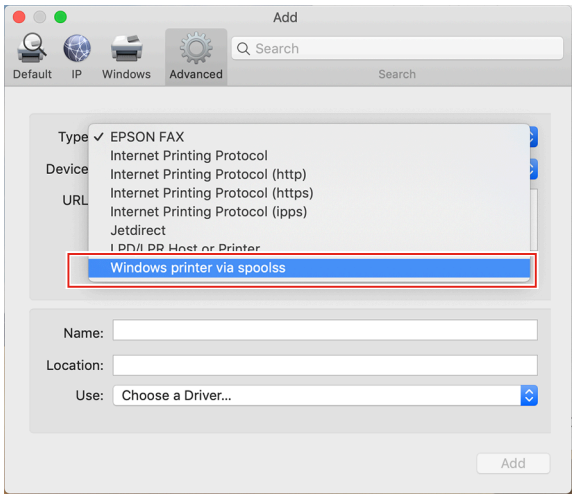


  (2) Drag the [] or [] icon (advanced settings) to the toolbar.

  (3) Click [Done].

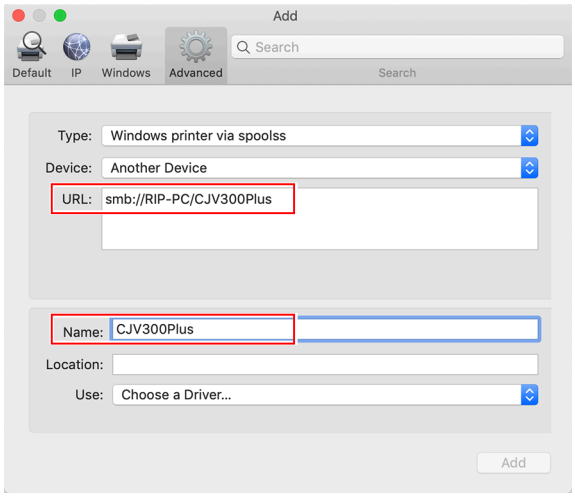


2 **In [Type], select [Windows printer via spoolss].**

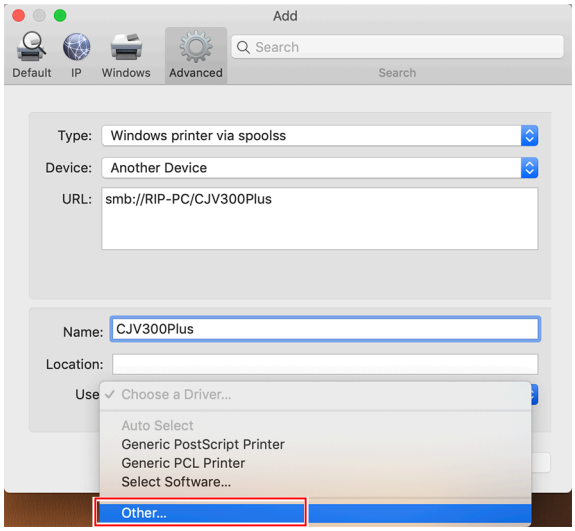


3 **Input the following address for the [URL] and the printer name displayed on the Mac OC for the [Name].**

- "Host name/Shared printer of smb://RasterLink7 name
  or
- "IP address/Shared printer of smb://RasterLink7"
  ☞ "Checking Host Name and IP Address Settings"(P. 49)



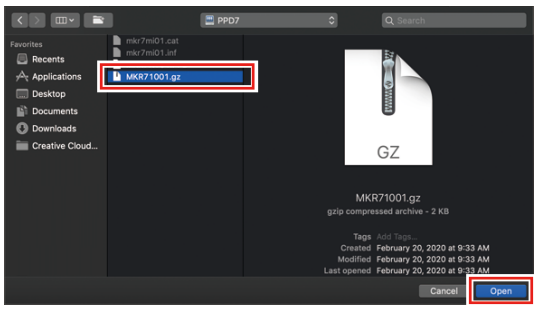
4 **Select [Other] for [Use].**



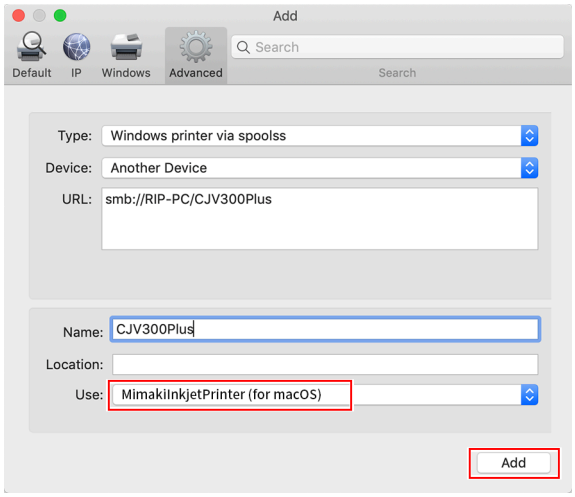
5 In the mounted PPD7 folder, select "MKR71001.gz", and then click [Open].

Important!

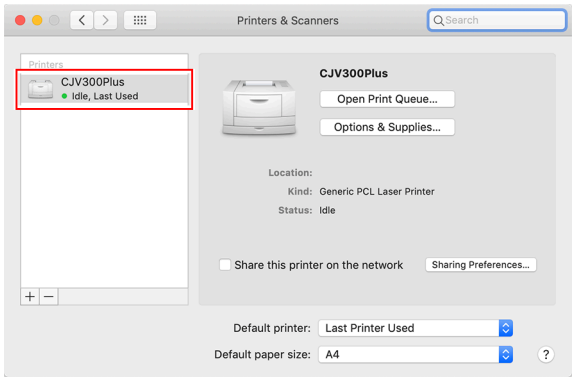
- When "MKR71001.gz" cannot be selected, select the driver referring to ☞ "When "MKR71001.gz" cannot be selected"(P. 47).



6 Check that [MimakiInkjetPrinter(for macOS)] is displayed, and then click [Add].



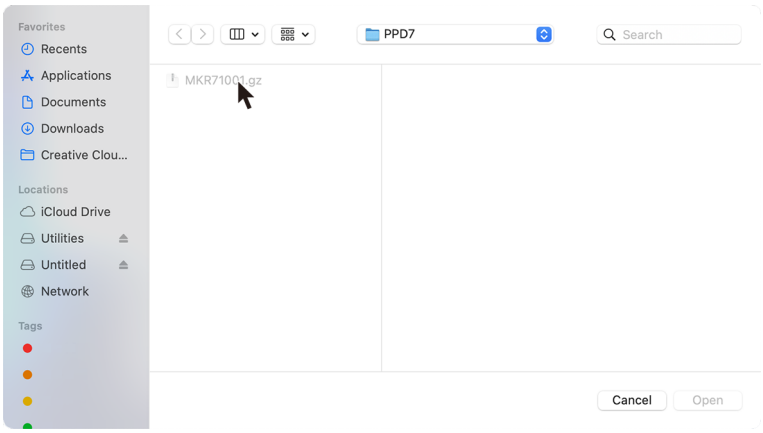
- The added printer is displayed in the list.



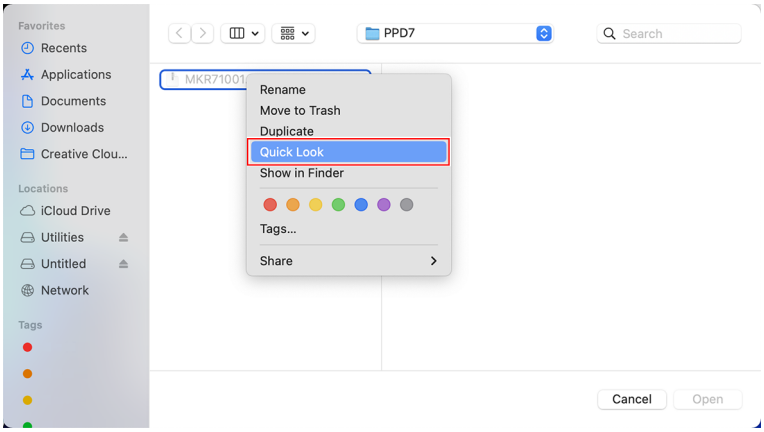
When "MKR71001.gz" cannot be selected

The driver (MKR71001.gz) may not be able to be selected when a printer is added. Please perform the following procedures if this is not possible.

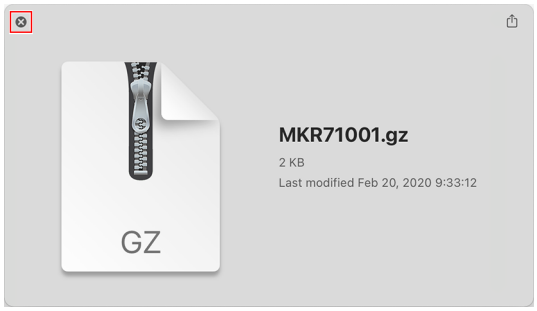
1 **Move the cursor over "MKR71001.gz" and open the context menu ([Control] key + click).**



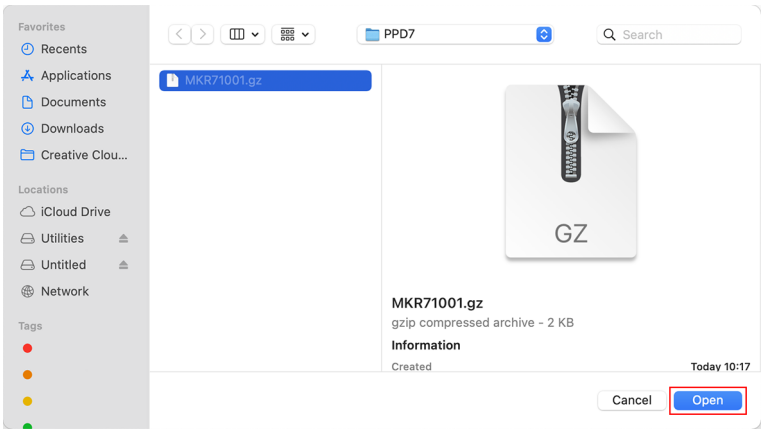
2 **Select [Quick Look].**



3 **Close [Quick Look] window displayed in step 2.**



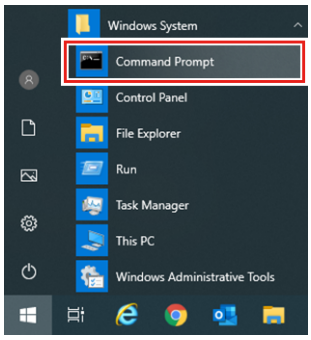
4 Click [Open].


Favorites
Recents
Applications
Documents
Downloads
Creative Clou...
Locations
iCloud Drive
Utilities
Untitled
Network
Tags
PPD7
Search
MKR71001.gz
GZ
MKR71001.gz
gzip compressed archive – 2 KB
Information
Created
Today 10:17
Cancel
Open

3.4 Checking Host Name and IP Address Settings

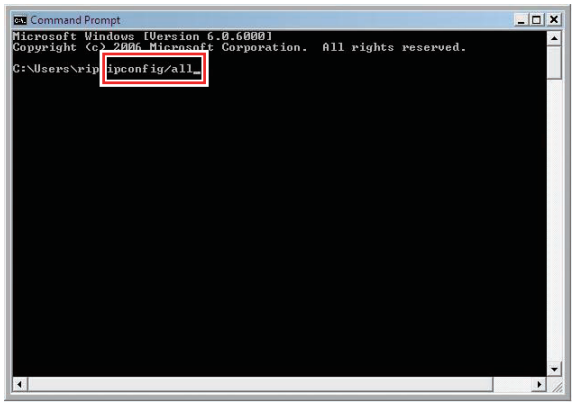
The host name and IP address of the RasterLink PC are needed in order to access RasterLink7. You can check the host name and IP address according to the following procedures.

1 **In the [Start] menu, select [Windows System] - [Command Prompt].**

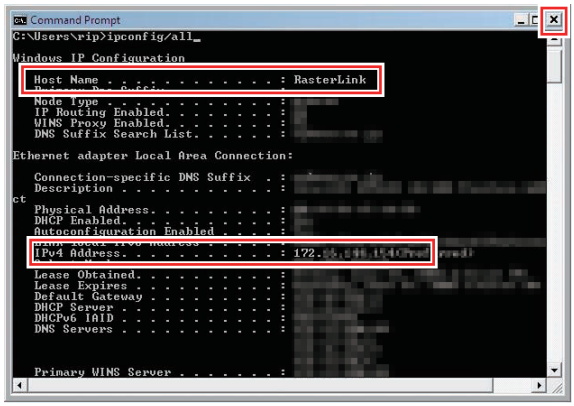


2 **Input the following character string, and then press the [Enter] key.**

- ipconfig/all



- [Host Name] and [IP Address] are displayed.
- When finished, click [X].



RasterLink7 Network Connection Guide

March, 2024

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D203520-17-29032024

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