

UV INKJET PRINTER

JFX600-2513 IFX600-2531

and Job In

Connection

WOrk

Network Connection and Job Import Guide

You can also download the latest manual from official website.

MIMAKI ENGINEERING CO., LTD.

https://mimaki.com/

D203649-21 Original instructions

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Introduction

JFX600-2513, JFX600-2531 (hereafter referred to as "this machine") can import jobs to the "shared folder" of this machine via the network.

This manual describes the network settings when connecting a PC for RIP to the machine and how to handle jobs when printing using a shared folder.

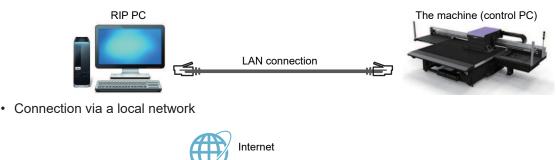
1. Connecting to a Local Network

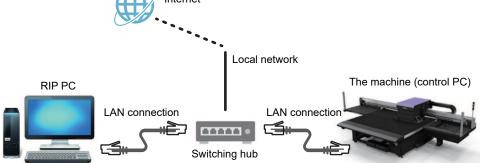
Connect the machine (control PC) and RIP PC via a local network or direct LAN cable to enable jobs (RIP data) to be easily imported. Insert the LAN cable until it clicks into place.

• Machine (control PC) and RIP PC configuration

The machine can be connected using one of the following two methods:

· Connection using a LAN cable





LAN connection precautions

- Set up the control PC and the RIP PC to transfer print data on the same network. Connections via a router or using Wi-Fi are not possible.
- The following connection devices should be used for a local network connection.

Device	Required	Recommended
RIP PC LAN port	1 Gbps or higher	10 Gbps
LAN cable	CAT6A or higher	CAT6A or higher
Switching hub	1 Gbps or higher	10 Gbps

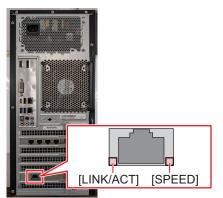
LAN connection checking method

• Check the machine (control PC) status

Check the LAN connector indicators near the bottom on the back of the control PC.

• The LAN connector indicators are illuminated when the system is connected.

• If the indicators are not illuminated, insert the LAN cable until it clicks into place.



LED	Status	Overview		
SPEED	Green	Linked via 10GBASE-T		
Yellow		Linked over a connection other than 10GBASE-T		
LINK/ACT	Flashing green	Data is being sent and received.		
	Green	No network traffic.		



• Do not unplug the cable while data is being transferred.

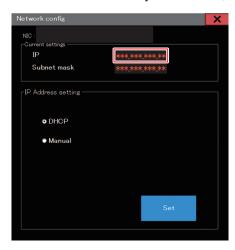
• Check the touch panel

Check [Network setting] on the touch panel.



• Be sure to confirm whether the LAN connector indicator is lit before configuring the following settings.

• From MENU on the touch panel, tap [SETTING 2] > [System setting] > [Network setting]. Check the dialog box. If the LAN connection has been successfully established, the address will be displayed.



2. Setting up an Ethernet connection

Network Sharing and Configuration

For Windows10

1 On the RIP PC, open the Windows start menu and click [Settings].

5	Picture	5			
0	Settings				
Φ	Power				
	م	0	Ħ		

2 Select [Network & Internet].

Settings					- 🗆 ×
		W	/indows Settings		
		Find a setting		R	
口	System Display, sound, notifications, power		Devices Bluetooth, printers, mouse		Phone Link your Android, iPhone
	Network & Internet Wi-Fi, airplane mode, VPN	ų	Personalization Background, lock screen, colors		Apps Uninstall, defaults, optional features
8	Accounts Your accounts, email, sync, work, other people	色 A字	Time & Language Speech, region, date	⊘	Gaming Xbox Game Bar, captures, Game Mode
Ģ	Ease of Access Narrator, magnifier, high contrast	Q	Search Find my files, permissions	A	Privacy Location, camera, microphone

3 Under the "Change your network settings" section, select [Network and Sharing Center].



A Select [Private], [Guest or Public], or [Domain].

• The selection items may vary depending on the network configuration. Please contact your network administrator.

Windows creates a separate network profile for each each profile.	network you use. You can choose specific options for
Private	@
Guest or Public	
Domain (current profile)	0

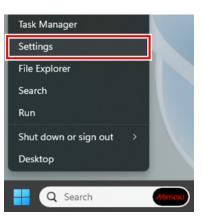
5 Select [Turn on network discovery] and click [Save changes].

Advanced sharing settings	7		
- → - ↑ •\$ « Ne > Adva ~ Č			
Change sharing options for different network profiles			
Windows creates a separate network profile for each network you use. each profile.	/ou can choose specific opt	ions for	
Private			2
Network discovery			-
File and printer sharing When file and printer sharing be ceased by people on the network.	W W WAR 52.7	puter can	
O Turn on file and printer sharing			
Turn off file and printer sharing			
Guest or Public			9
Domain (current profile)		-(0
All Networks		(0
	Save changes		

6 Restart the PC for RIP to apply the settings.

For Windows11

1 On the RIP PC, open the Windows start menu and click [Settings].

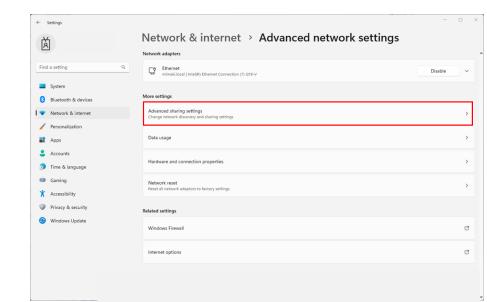


2 Select [Network & Internet].

← Settings		- 🗆 ×
Ř	System	
Find a setting Q.	\$1).	Windows Update Last checked: 3 hours ago
Bluetooth & devices Network & internet	Display Monitors, brightness, night light, display profile	>
Personalization Apps	Sound Volume levels, output, input, sound devices	>
Accounts	Notifications Alerts from apps and system, do not disturb	>
 Time & language Gaming 	Focus Reduce distractions	· · · · ·
 Accessibility Privacy & security 	U Power Screen and sleep, power mode	>
Windows Update	Storage space, drives, configuration rules	>
	Nearby sharing Discoverability, received files location	>
	Multitasking Snap windows, task switching	>
	M For developers	

3 Select [Advanced Network Settings].

← Settings		- • ×
菡	Network & internet	
Find a setting	Connected Connected Connected Connected Connected	
System		
 Bluetooth & devices Network & internet 	Authentication, IP and DNS settings, metered network	>
Personalization	VPN Add, connect, manage	>
Apps Accounts	Proxy Proxy server for Wi-Fi and Ethernet connections	>
 Time & language Gaming 	Dial-up Set up a dial-up internet connection	>
 Accessibility Privacy & security 	Advanced network settings View all network satispiers, network reset	>
Windows Update		



4 Select [Advanced Sharing Settings].

5 Select [Network Private], [Public Network], or [Domain Network].

• The selection items may vary depending on the network configuration. Please contact your network administrator.

···· > Advanced network settings > Advanced sharing settings		
Private networks		×
Public networks		~
Domain networks	Current profile	~
All networks		~

6 Turn [Network Discovery] to "On".

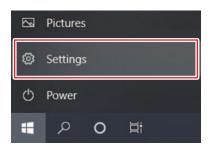
Private networks	
Private networks	^
Network discovery Your PC can find and be found by other devices on the network	On 🌑
Set up network connected devices automatically	
File and printer sharing Allow others on the network to access shared files and printers on this device	Off

7 Restart the PC for RIP to apply the settings.

Setting up an Ethernet connection

For Windows10

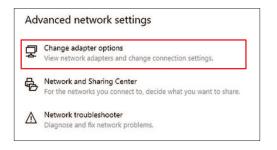
1 On the RIP PC, open the Windows start menu and click [Settings].



2 Select [Network & Internet].

Settings					- 🗆 ×
		W	indows Settings		
		Find a setting		Q	
旦	System Display, sound, notifications, power		Devices Bluetooth, printers, mouse		Phone Link your Android, iPhone
	Network & Internet Wi-Fi, airplane mode, VPN	ų	Personalization Background, lock screen, colors		Apps Uninstall, defaults, optional features
8	Accounts Your accounts, email, sync, work, other people	(D) A字	Time & Language Speech, region, date	⊘	Gaming Xbox Game Bar, captures, Game Mode
Ģ	Ease of Access Narrator, magnifier, high contrast	Q	Search Find my files, permissions	≙	Privacy Location, camera, microphone

3 Select [Change adapter options].



4 Right-click [Ethernet], and then select [Properties].

- If there are multiple [Ethernet] icons, select the properties for the port you wish to use.
- The names may vary depending on the PC.

ections				-			×
😰 « Net > Network Co	nnect > v	õ					٩
Disable this network device	Diagnose this conne	ection	>>		•		•
Diag Diag Diag Creat Diag	e Connections						
	Disable this network device et Stati Diag Bridg Creat S Delet	Disable this network device Diagnose this conne et Local Area (Network cal	Disable this network device Diagnose this connection et Cocal Area Connection Network cable unplot Status Diagnose Status Diagnose Status Diagnose Diagnose Diagnose Diagnose Diagnose	Disable this network device Diagnose this connection ** et Cocal Area Connection Petwork cable unplugged Petwork cable unplugg	Disable this network device Diagnose this connection >> et	Disable this network device Diagnose this connection >> et Local Area Connection Network cable unplugged status Diagnose Bridge Connections Create Shortcut Solutions Create Shortcut Create Sho	Disable this network device Diagnose this connection >> et Cocal Area Connection Local Area Connection Locat Area Connection Loca

5 On the Networking tab, select the [Internet Protocol Version 4 (TCP/IPv4)] item, then click [Properties].

	Authenticatio	on Sharing		
Connect us	ing:			
🚽 Intel	(R) Ethemet C	Connection 1217-L	м	
			Conf	igure
This conne	ction uses the	following items:		
🗹 투 🛛	ient for Micros	oft Networks		^
🗹 🖳 Fi	e and Printer S	Sharing for Micros	soft Networks	
		IS 6.0 Filter Drive		
	oS Packet Sch			
	DS Packet Sci	Contraction of the second s		
🗹 💶 In	ternet Protoco	I Version 4 (TCP)	1FV4)	
		ork Adapter Multip		~
				>
L . M	ICROSOTE INETWO		Nexor Protocol	> erties
<	ICROSOTE INEEWO	nk Adapter Multip	Nexor Protocol	
Insta	all	<u>U</u> ninstall	Ptop	erties
L _ M < Insta Description Transmis	Icrosoft ivetwo	<u>U</u> ninstall	Protocol. The d	erties lefault
Linsta Description Transmis wide are	ICROSOTE INEEWO	In Adapter Multip	Protocol. The d	erties lefault
Linsta Descriptio Transmis wide are	ICROSOTE INEEWO	Uninstall	Protocol. The d	erties lefault
Linsta Description Transmis wide are	ICROSOTE INEEWO	In Adapter Multip	Protocol. The d	erties lefault
Linsta Description Transmis wide are	ICROSOTE INEEWO	In Adapter Multip	Protocol. The d	erties lefault

6 Configure the network settings.

- Configure the network according to the network settings of the control PC.
- For more information regarding the network settings of the control PC and RIP PC, contact your network administrator.

nternet Pro	otocol Version 4 (TCP/IPv4)	Propertie	s		
General A	Alternate Configuration				
this capab	et IP settings assigned auton olity. Otherwise, you need to opropriate IP settings.				
Obta	ain an IP address automatical	ly			
OUse	the following IP address:				
IP addr	ess:	4	4	×.	
Subnet	mask:	14			
Default	gateway:		-0		
) Obta	ain DNS server address auton	natically			
OUse	the following DNS server add	resses:			
Preferr	ed DNS server:) (A.	•		
Alterna	ate DNS server:			×.	
Vali	date settings upon exit			Adv	vanced
			ОК		Cancel

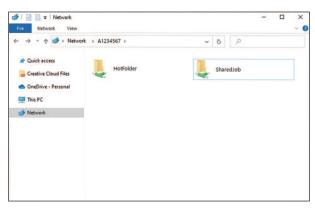
7 Restart the RIP PC.

8 Confirm that the connection has been established.

- Connect the RIP PC and control PC via a LAN cable. (2) "Connecting to a Local Network" (P. 4)
- **Q** Open Explorer on the RIP PC and enter [\\machine serial number] in the address bar.
 - The machine serial number can be checked on the touch panel (MENU > [SYSTEM] > [System information]).

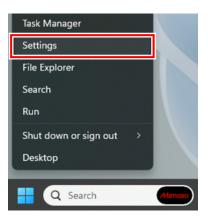
1 O Check the Explorer display.

• Check whether two folders, [HotFolder] and [SharedJob], are displayed. If they are displayed, configuration is complete.



For Windows11

1 On the RIP PC, open the Windows start menu and Select [Settings].



2 Select [Network & Internet].

← Settings		- 0 ×
Ă	System	
Find a setting Q	57.	G Windows Update Last checked: 3 hours ago
System		
 Bluetooth & devices Network & internet 	Display Monitors, brightness, night light, display profile	>
Personalization	Sound Volume levels, output, input, sound devices	>
Accounts	Q Notifications Alerts from apps and system, do not disturb	>
 Time & language Gaming 	Focus Reduce distractions	>
 Accessibility Privacy & security 	O Power Screen and sleep, power mode	>
Windows Update	Storage Storage space, drives, configuration rules	>
	Mearby sharing Discoverability, received files location	>
	Multitasking Snap windows; desktops, task switching	>
	even for developers	, ,

3 Click [Ethernet].

- If there is more than one [Ethernet], open the properties of the port to be used.
- The names may vary depending on the PC.

À	Network adapters	
ind a setting	C Ethernet mimaki.local Intel(R) Ethernet Connection (7) I219-V	Disable
System Bluetooth & devices	More settings	
Network & internet	Advanced sharing settings Change network discovery and sharing settings	
Personalization Apps	Data usage	
Accounts Time & language	Hardware and connection properties	
Gaming Accessibility	Network reset Reset all network adaptors to factory settings	
Privacy & security	Related settings	
Windows Update	Windows Firewall	
	Internet options	

4 Select [Edit] of [Other adapter options].

à	Network & internet	
ind a setting	Q, C Ethernet	Disable
System Bluetooth & devices Network & internet Personalization	Media state: Enabled Bytes serceived: 285,078 Bytes received: 310,504 Link speed: 1000 (Mbps) Duration: 00.06.34	
Apps	Rename this adapter	Rename
Accounts	View additional properties	
Time & language	More adapter options	Edit
Accessibility	More settings	
 Privacy & security Windows Update 	Advanced sharing settings Change network discovery and sharing settings	
	Data usage	
	Hardware and connection properties	

5 Select the [Internet Protocol Version 4 (TCP/IPv4)] on setup item, then click [Properties].

	9						
Connect	using:						
👮 Int	el(R) Ether	net Con	nection	(7) 21	9-V		
						Conf	igure
This con	nection use	s the fo	llowing	items:			
V V V	Client for M File and Pri QoS Packe Internet Pro	nter Sh et Sche	aring for duler	r Micros		works	
	Microsoft N				lexor P	rotocol	1
	Microsoft L Internet Pro				IPv6)		
In	stall		Unins	tall		Prop	erties
	mission Con Irea networ	k protoc		provide	s com		of Grent

6 Configure the network settings.

- Configure the network according to the network settings of the control PC.
- For more information regarding the network settings of the control PC and RIP PC, contact your network administrator.

General	Alternate Configuration				
this cap	n get IP settings assigned auto pability. Otherwise, you need appropriate IP settings.				
٥0	btain an IP address automatic	ally			
OU	se the following IP address:				
IP a	ddress:	- 14 -	- 41	14	
Sub	net mask:	14	1		
Defa	ault gateway:		- 6	+	
00	btain DNS server address auto	matically			
-	se the following DNS server ad				
Pref	erred DNS server:	1.04			
Alte	mate DNS server:				
	/alidate settings upon exit			Advanc	-ad

Restart the RIP PC.

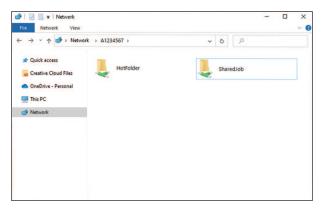
- **8** Confirm that the connection has been established.
 - Connect the RIP PC and control PC via a LAN cable. (Connecting to a Local Network" (P. 4)

Q Open Explorer on the RIP PC and enter [\\machine serial number] in the address bar.

The machine serial number can be checked on the touch panel (MENU > [SYSTEM] > [System information]).

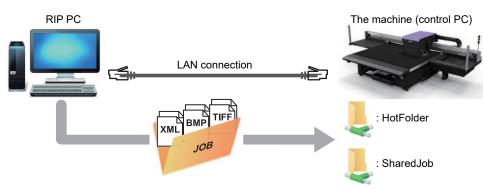
10 Check the Explorer display.

• Check whether two folders, [HotFolder] and [SharedJob], are displayed. If they are displayed, configuration is complete.



3. With output port set to [Ethernet]

Import jobs (RIP data) to the machine (control PC) using a local network. (Connecting to a Local Network" (P. 4)



The shared folder for the machine (control PC) includes the following two types: These should be used as necessary, as the operation differs depending on the data saving destination.

ltem	Overview
SharedJob	 Saving data in [SharedJob] adds the jobs to the MPC job list. If "When saved to [SharedJob]" (P. 19)
	 Jobs can be printed by selecting from the job list.
HotFolder	 Saving data in [HotFolder] starts printing immediately. If "When saved to [HotFolder]"(P. 19)
	 Printing is not always started immediately, even if you save to [HotFolder].

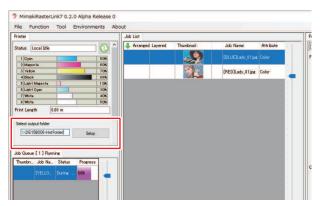
Creating RIP Data

1 Launch RasterLink.

• Click the icon on the RIP PC desktop.



- 2 Select the shared folder from [Select output folder].
 - SharedJob: To print from [JOB LIST] on the touch panel (Example: [******\SharedJob])
 - HotFolder: To print automatically (Example: [******\HotFolder])



3. With output port set to [Ethernet]

- Please change "******* to the serial number of the printer.
 - From MENU on the touch panel, tap [SYSTEM] > [System information] to display the serial number on the browser screen at right.



- (1) Select [File] > [Open].
- (2) Select the desired image data, then click [Open].
 - If multiple printers are registered, select JFX550-2513, JFX600-2513 in "Printer Name".

Select file name to print				>
← → • ↑ 🗎	> This PC > Local I	Disk (C:) > test	✓ C	h test
Organize 👻 New folder				= • 🔟 😗
Ouick access	Name	Date modified	Туре	Size
• •	n 1	12/2/2019 9:14 AM	Encapsulated PostScript	2,119 KB
Creative Cloud Files	2	12/2/2019 9:15 AM	Encapsulated PostScript	2,153 KB
 OneDrive 	m 3	12/2/2019 9:15 AM	Encapsulated PostScript	2,151 KB
This PC	🖻 4	12/2/2019 9:16 AM	Encapsulated PostScript	2,146 KB
> 🛄 Desktop	it 5	12/2/2019 9:16 AM	Encapsulated PostScript	2,142 KB
> 📓 Documents				
> 🛓 Downloads				
> 🕖 Music				
> 🔀 Pictures				
> 🔛 Videos				
> 🟪 Local Disk (C:)				
🚈 Network				
File <u>n</u> ar	me:		 ✓ All Files 	~
			ОК	Cancel

A Select the image data imported.

• The image is displayed in the tab for JFX550-2513, JFX600-2513 selected in "Printer name".

MimakiRasterLink7 0.2.0 Alpha Release 0								- 0	×
File Function Tool Environments Ab	out							Min	JUNI
Printer	Job List					l operties			A
Status Local Idle	I Arranged Layered	Thumbnail	Job Name	Attribute	- 1] Lock		^	Y
1 Oyan 50N			[BLUE]Lady_01.jpe		-	le			
2 Magenta 60N						Job Name	[BLUE]Lady_01 jpg R	ename	Ä
3 Yellow 70%			[RED]Lady_01.jpc	Color		File Name	[BLUE]Lady_01 jpg		Q.
5 Light Magenta 10N					:	Format	JPEG		11
5 Light Oyan 30% 7 White 40%						Image Size	1010.17 KB		
8 White 50N					1	Pages	1		U
Print Length 0.00 m						Page size	1606.20 × 1071.03 mm		37
Media Size						Favorites at the spool	ucjv300		
Scan Auto Detection					:	Job Attribute	Full Color v S	Setup	Π
● Manual Input 1620.0 ÷ mm						Use special color name:	Not Exist		B.
Feed Roll Media					-	Image Edit			\$00
Warning Line 300.0 🗘 mm						Color Adjustment Set	Normal		00
•						Jality			
Job Queue [1] Running Thumbn Job Na Status Progress	1				:	Media	3M 40C-114 v8.5		*
						Resolution	600×1200 VD		
DYELLO Durine 686						Input Profile (ICC)	MimakiHiContrast.icm		
						Profile Name	UCJV3008CLUS1706C_3M-40C-1	14_v35_F	8
						Overprint times	1		
					:	Pass	32		V
						Pass quality setting Fast Print	Speed High	_	*
					-	Print Direction	Bindirection		
						Special Color Over Print			P
1						ssults	omardieousty	_	<u>97</u>
					:	Ink Consumption			
							0.000 cc		
							0.000 cc		
-							0.000 cc		
						Black	0.000 cc		
ucjv800_8c_lsu170cmyk_clckww [6] ujf6042mk2_8c_lus		lus_8c_ss21cmyk.lc1m	_www.[0] ucjv300[2]						

5 Check the settings and alter as necessary.

 Specify the following settings by clicking the function icons shown on the right-hand side of the screen:

oxdot (General Print): Specifies settings like enlargement/reduction and number of copies.

Q (Print Condition): Selects a color profile for the media and ink set loaded in the machine.



For more information, refer to the RasterLink reference guide. https://mimaki.com/ download/software.html Prepare a job (RIP data) from image data.

- Click 🤐 (Execute) from the function icons on the right-hand side of the screen. Select "RIP and Print", then click [Start].
- When the output destination folder is [SharedJob]: The RIP job is added to the MPC job list. "When saved to [SharedJob]"(P. 19)
- When the output destination folder is [HotFolder]: "Job receiving" is displayed in the lower-left corner of the MPC screen, and printing starts. (P "When saved to [HotFolder]"(P. 19)



 When the output port is set to [Ethernet], the job is saved in the specified shared folder with the job name determined automatically by RasterLink.

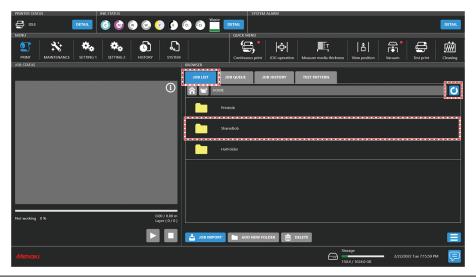
When saved to [SharedJob]

Saving data in [SharedJob] adds the jobs to the MPC job list.

• Job checking procedure

Jobs that have been successfully loaded are saved in [SharedJob].

• From MENU on the touch panel, tap [PRINT] > [JOB LIST] > [SharedJob].





If a job is not displayed, tap the refresh button.

When saved to [HotFolder]

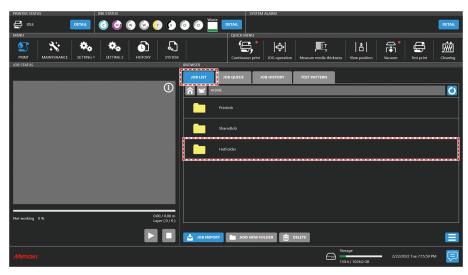
Saving data in [HotFolder] starts printing immediately.

- [QUICK MENU] > [Continuous print] setting
 - When continuous print mode is on: Printing starts immediately.
 - When continuous print mode is off: The job is added to the queue. Please turn on continuous print mode to start printing.
- · If another job is currently being printed
 - The job is added to the queue. Printing starts automatically when the other job print is complete.
 Please note that when automatic operation mode or work change mode are turned on, continuous print mode will turn off and printing will not start once the other job print is complete.

• Job checking procedure

Jobs that have been successfully loaded are saved to [HotFolder].

• From MENU on the touch panel, tap [PRINT] > [JOB LIST] > [HotFolder].



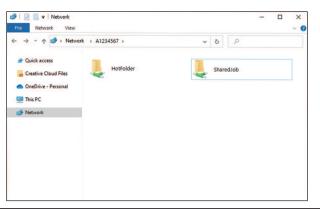


Up to 100 jobs can be saved to [HotFolder] by default. If the number exceeds 100 jobs, the
oldest jobs in the print history are deleted. The number of jobs that can be saved can be
changed as follows:
Setting 2 Menu[System setting] > [HotFolder setting]

Copying jobs to a shared folder at any time

Jobs can be created in advance on the RIP PC, and then copied to the shared folder at any time for importing to MPC.

- Create a job on the RIP PC in advance.
- **2** Copy the job created on the RIP PC to the shared folder (SharedJob or HotFolder) to be used.
 - Enter [******] in the Explorer address bar to open the shared folder of the machine.



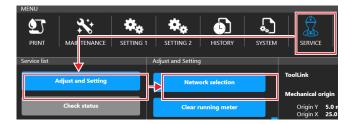
- Please change "******* to the serial number of the printer.
- From MENU on the touch panel, tap [SYSTEM] > [System information] to display the serial number on the browser screen at right.

4. Selecting the RIP Network Card

Check to confirm that the RIP network card is selected in the [SERVICE] menu.

In the MPC menu, tap [SERVICE] > [Adjust and Setting] > [ToolLink].

• A dialog box appears.



- 2 Check to confirm that the RIP network card is selected.
 - Check to confirm that "Select" appears in the [Selection] field for the network card for which [Link Status] field has "Up".

Link Status			
Status	Speed	Info	Selection
Up	1GB	IP:10:10.02114	Select
Down		P.MIKPM.W187	



 Make sure that the LAN cable is connected to the RIP network card when performing this check.

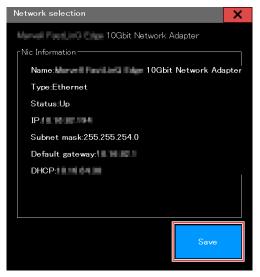
• When "Select" does not appear for the corresponding network card, select the network card using the following procedure.

• Selecting the network card

- (1) Click to select the corresponding network card.
 - A dialog box appears.

IP:10:10.02104	
P.100304.00107	

(2) Check the message and click the [Save] button.



- (3) Check to confirm that "Select" appears for the corresponding network card.
- (4) Restart the machine and control PC.
 - For details of how to restart, refer to Operation Manual > Chapter 3 Settings (MPC) > "Power Supply".
- (5) Check to confirm that the machine and the control PC can be connected via RIP.

NetworkConnection & Job Import Guide

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