

Reissued: 2-June-16

Model: Enhanced Locked Print NX v2	Date: 12-Mar-12	No.: RD602008I
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RTB ReissueThe items in ***bold italics*** were corrected or added.

Subject: Enhanced Locked Print NX v2 Installation Manual		Prepared by: Kohsuke Tomoyama	
From: Solution Support Sect., Solution Support Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input type="checkbox"/> Other ()	<input type="checkbox"/> Tier 2

This RTB has been issued to announce the release of the Enhanced Locked Print NX v2 Installation Manual.

Reissued: 28-January-16

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**Enhanced Locked Print NX v2
Installation Manual**

Document version: 1.3.1

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Installation

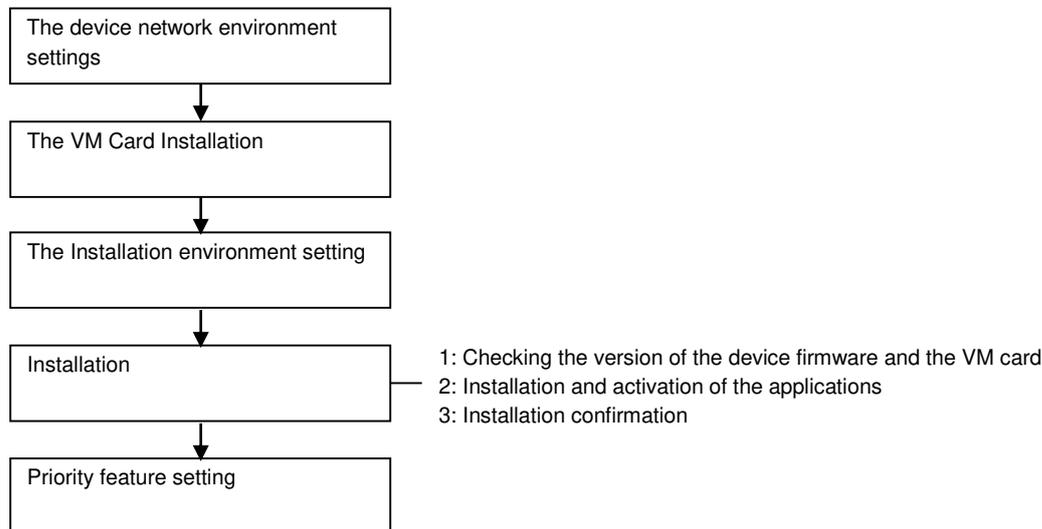
Installation

Before installation, please make sure all firmwares (GW firmware, Smart Operation Panel firmware, and Smart Operation Panel applications) are the latest version. Regarding the firmware update procedures, please refer to the device service manual.

Installation (WVGA/4.3-inch operation panel models)

- Depending on the device model, the actual operation panel screen may look different from the screenshots used in this document.

Installation Flowchart



Installation Environment Settings

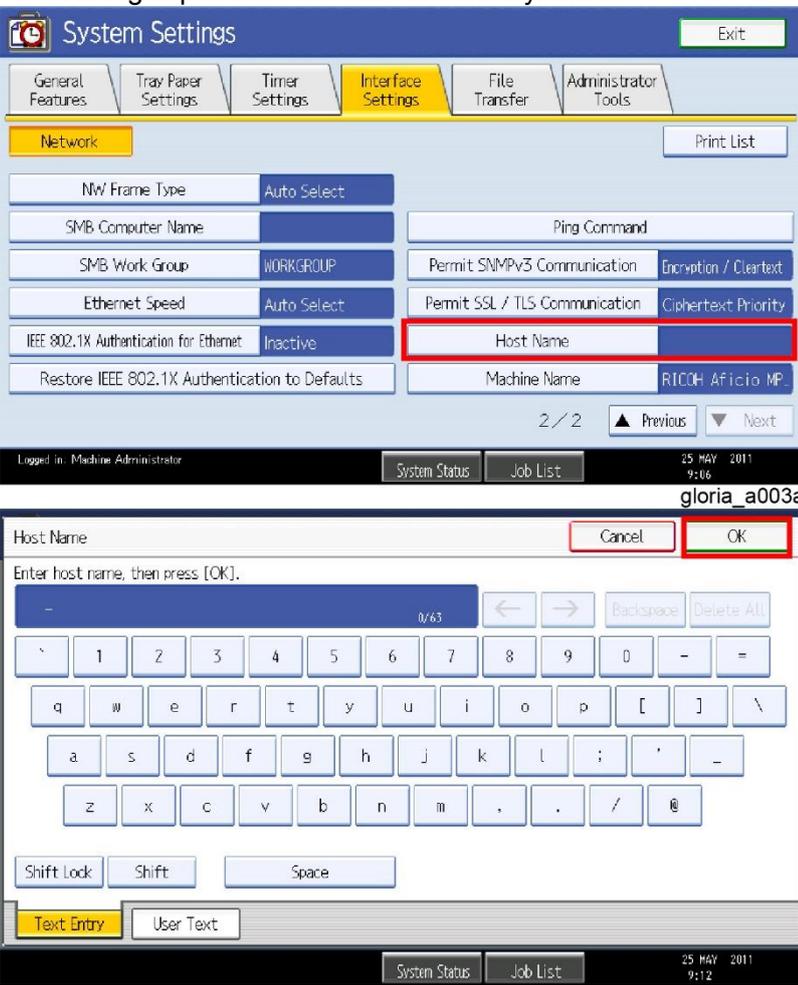
1. Network information

* Setting from [System Settings] on [User Tools / Counter / Enquiry] screen of the device.

* In the case of Smart Operation Panel models, [User Tools] must be selected first and then the [User Tools / Counter / Enquiry] screen is displayed.

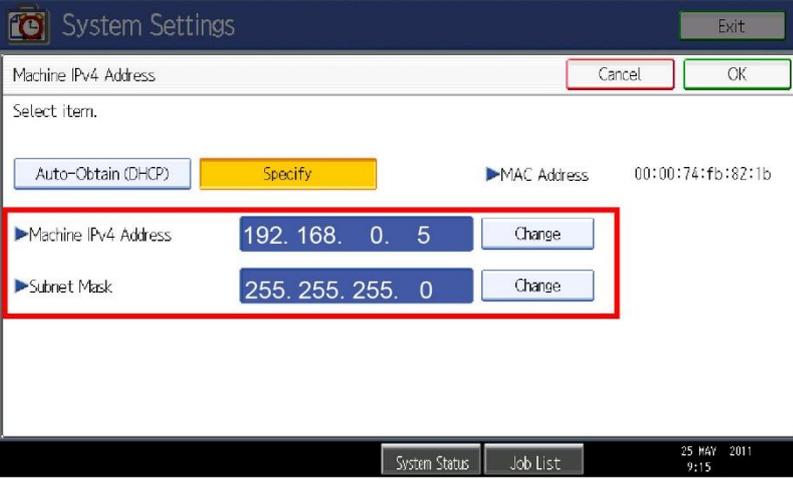
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Item	Detailed descriptions	Default/Remarks
Host Name	<p>Set the host name shown on [Interface Settings] tab. This setting is performed on the screen keyboard.</p>  <p>The screenshot shows the 'System Settings' application with the 'Interface Settings' tab selected. Under the 'Network' section, the 'Host Name' field is highlighted with a red border. Below this, a dialog box for entering the host name is shown, with the 'OK' button also highlighted in red. The interface includes various other settings like 'SMB Computer Name', 'SMB Work Group', and 'Ethernet Speed'.</p>	-

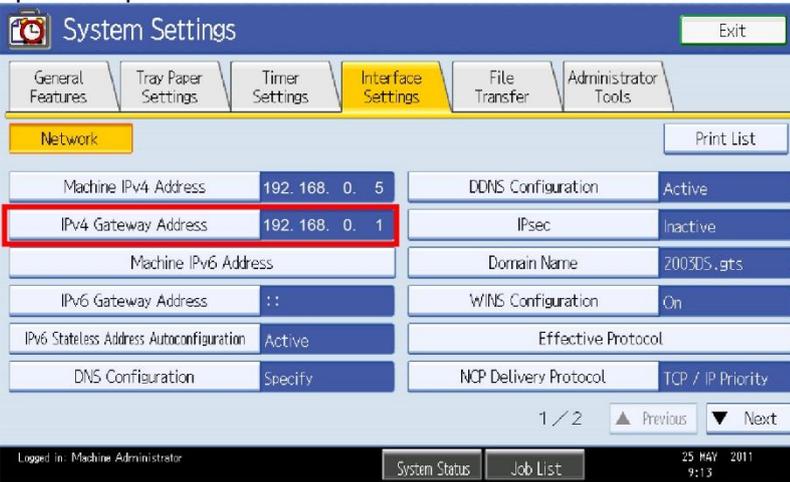
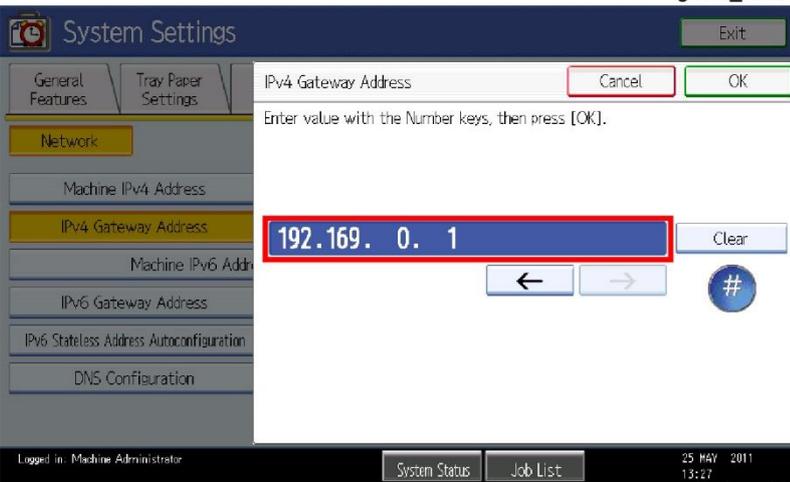
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Item	Detailed descriptions	Default/Remarks
<p>IP Address/ Subnet Mask</p>	<p>Set the IP address and the subnet mask that appear when [Machine IPv4 Address] in [Interface Settings] tab is selected. For setting, press [Specify] and [Change], and then enter the addresses with the numeric keys on the operation panel.</p>  	<p>-</p>

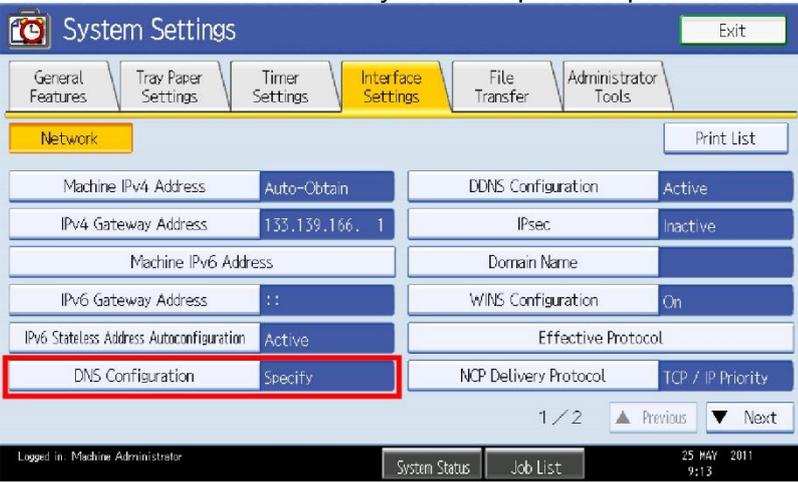
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Item	Detailed descriptions	Default/Remarks
Default Gateway	<p>Set the address that appears when [IPv4 Gateway Address] in [Interface Settings] tab is selected. For setting, enter the address with the numeric keys on the operation panel.</p>  <p>The screenshot shows the 'System Settings' application with the 'Interface Settings' tab selected. Under the 'Network' section, the 'IPv4 Gateway Address' is highlighted with a red box and set to '192.168.0.1'. Other settings include Machine IPv4 Address (192.168.0.5), IPv6 Gateway Address (::), and various protocol configurations.</p>  <p>The second screenshot shows the 'IPv4 Gateway Address' input dialog. The text '192.168.0.1' is entered into the input field and is highlighted with a red box. The dialog includes 'Cancel' and 'OK' buttons and a numeric keypad.</p>	-

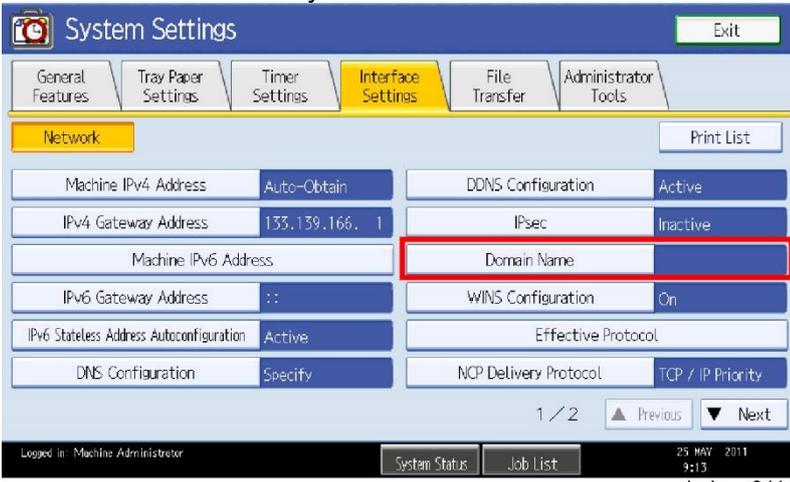
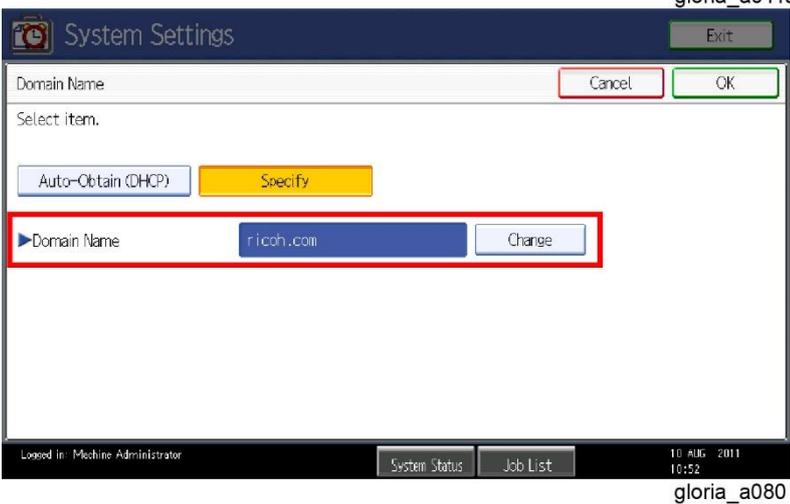
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Item	Detailed descriptions	Default/Remarks
DNS Server 1/DNS Server 2/DNS Server 3	<p>Set the server addresses that appear when [DNS Configuration] in [Interface Settings] tab is selected. For setting, press [Specify] and [Change], and then enter the addresses with the numeric keys on the operation panel.</p>  <p>The screenshot shows the 'System Settings' application with the 'Interface Settings' tab selected. Under the 'Network' section, the 'DNS Configuration' option is highlighted with a red box and has a 'Specify' button next to it.</p>  <p>The second screenshot shows the 'DNS Configuration' dialog box. The 'Specify' button is highlighted in yellow. Below it, three DNS server entries are listed: 'DNS Server 1', 'DNS Server 2', and 'DNS Server 3'. Each entry has a numeric input field (currently showing '0.0.0.0') and a 'Change' button. The entire row for 'DNS Server 1' is highlighted with a red box.</p>	-

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Item	Detailed descriptions	Default/Remarks
Domain Name	<p>Set the name that appears when [Domain Name] in [Interface Settings] tab is selected. For setting, press [Specify] and [Change], and then enter the name with the screen keyboard.</p>  	-

1. Timer Setting

* Setting from [System Settings] on [User Tools / Counter / Enquiry] screen of the device.

Item	Detailed descriptions	Default/Remarks
Auto Logout Timer	<p>The default value is [Off], however press [Auto Logout Timer] in [Timer Settings] tab and select [On] to enter the logout time if necessary to change it. The range of entering the automatic logout time is from 60 to 999 seconds.</p>	Default: [Off]

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VM Card Installation

↓ Note

- If the JavaVM is installed to the device's Flash Memory (FM), this procedure is not necessary. In this case, please proceed to the "JavaVM Configuration"

1. Set [Auto Off Timer] to 5 minutes in [User Tools / Counter / Enquiry] screen → [System Settings] → [Timer Settings] tab.

↓ Note

- [Auto Off Timer] at the device side should be set to 5 minutes to prevent the device from entering the Auto Off mode while the Java™ Platform is installing or activating.

2. Set [System Auto Reset Timer] to [Off] in [User Tools / Counter / Enquiry] screen → [System Settings] → [Timer Settings] tab.

↓ Note

- This setting should be restored after the installation.

3. The main power of the device is turned off.

4. Insert the VM card into the SD card slot.

↓ Note

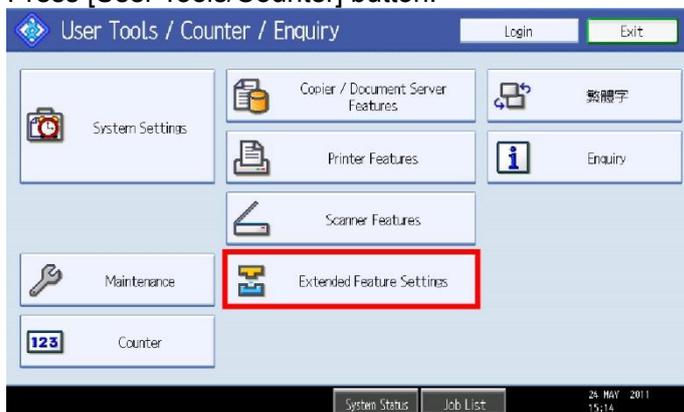
- For which the SD card slot should be inserted into, see the service manual of each machine.

5. Turn on the main power of the device.

↓ Note

- The Java™ Platform is installed automatically if the main power of the device is turned on after the VM card insertion.
- It takes for approx. 3 to 4 minutes to install it automatically.
- Never turn off the power of the device during the installation, otherwise the VM card may be damaged. Turn off the power after the confirmation in step 8 has been done.

6. Press [User Tools/Counter] button.

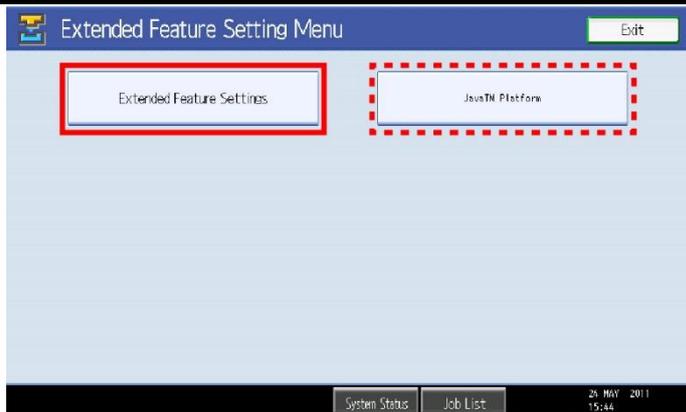


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7. Press [Extended Feature Settings] after [User Tools / Counter / Enquiry] screen appears.

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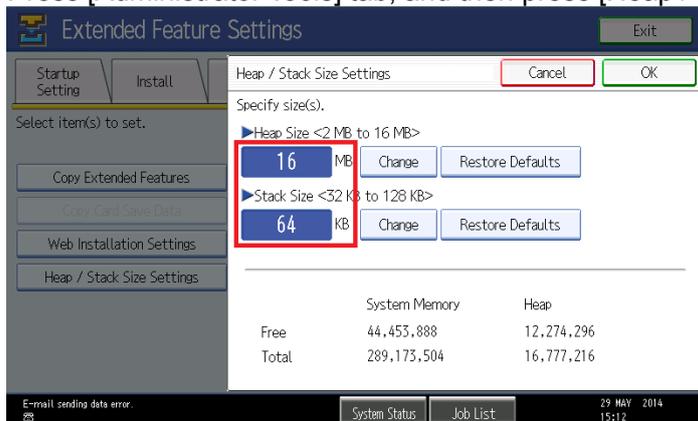


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- Confirm on [Extended Feature Setting Menu] screen that [Java™ Platform] appears after the installation is completed normally.

JavaVM Configuration

- Press [User Tools/Counter] button.
- Press [Extended Feature Settings] after [User Tools / Counter / Enquiry] screen appears.
- Press [Extended Feature Settings].
- Press [Administrator Tools] tab, and then press [Heap / Stack Size Settings].



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- Set the heap size and the stack size.

Model	Heap size	Stack size
11S or earlier	16MB (Default: 10MB)	64KB (Default: 64KB)
11A or later	48MB (Default: 16MB)	Do not change from default size (Default: 256KB)

- Finish the initial settings.
- Push the power button at the side of the operation section. After the power indicator has finished blinking, turn off the main power.

Note

- The VM card should be operated with setting in the SD card slot.
- Restore the original setting after installation if [System Auto Reset Timer] is changed.

Enhanced Locked Print NX V2 Installation

Install the following applications using Remote Install Manager to install Enhanced Locked Print NX v2. For the installations procedures of these applications, see the service manual of Remote Install Manager. (Remote Install Manager)

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↓ Note

- Regarding the installation method for Smart Operation Panel models (Compatibility mode), it is necessary to perform offline installation via RIM. It is not possible for the eDC-I system to judge which application module type (MP**: Compatibility mode / Z**: Hybrid mode) should be installed to devices equipped with the Smart Operation Panel. It is possible for Hybrid mode to perform online/offline installation via RIM.

↓ Note

- In the case of 12A models (MET-C1, CH-C1, OR-C2), before installing ELP-NX v2, make sure that at least one SD card slot located on the rear side of the device (option slot or service slot) is empty. For details, please refer to the “Enhanced Locked Print NX v2 Installation to 12A Models (MET-C1, CH-C1, OR-C2)” RTB. Other models (11A or earlier and 12A or later models) are not affected.

In the case of Standard Operation Panel and Smart Operation Panel (Compatibility mode):

Application	Version	Note
ELP-NX V2 MP11/MP12/MP31/SP31 /MP33/SP13	V2.x	MP11 (12S or older WVGA models) MP12 (12A or later WVGA models) MP31 (12A or older 4.3-inch operation panel MFP models) SP31 (12S or later 4.3-inch operation panel LP models) MP33 (15S or later 4.3-inch operation panel LP models) SP13 (15S or later 4-line LCD LP models)
ELP NX	V2.x	
FR Filter	V1.x	08S or older models must install the FR Filter manually.

In the case of Smart Operation Panel (Hybrid mode):

Application	Version	Note
ELP-NX V2 Z12	V2.x	
ELP Service	V2.x	
FR Filter	V1.x	
ELP NX	V1.x	Smart Operation Panel application.

FR Filter Installation

↓ Note

- Note that using Remote Install Manager will install the FR Filter automatically for 08A or later models.

- Press [User Tools/Counter] button.
- Press [Extended Feature Settings] in [User Tools / Counter / Enquiry] screen.
- Confirm on [Extended Feature Setting Menu] screen that [Java™ Platform] appears.

↓ Note

- If [Java™ Platform] is not shown, the Java™ Platform has not activated yet. Wait for a while until [Java™ Platform] appears.

- Press [Extended Feature Settings].

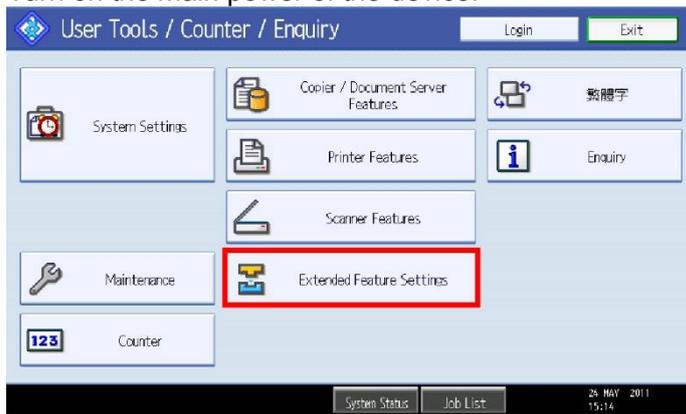
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5. Press [Install] tab and then press [SD card].
6. Select [FR Filter] in the applications list.
7. Select [Machine HDD] for the install location and press [Next].
8. Confirm the information on the screen and press [OK] to start the installation.
9. Press [Exit] on the installation completion screen.
10. Push the power button at the side of the operation section. After the power indicator has finished blinking, turn off the main power.

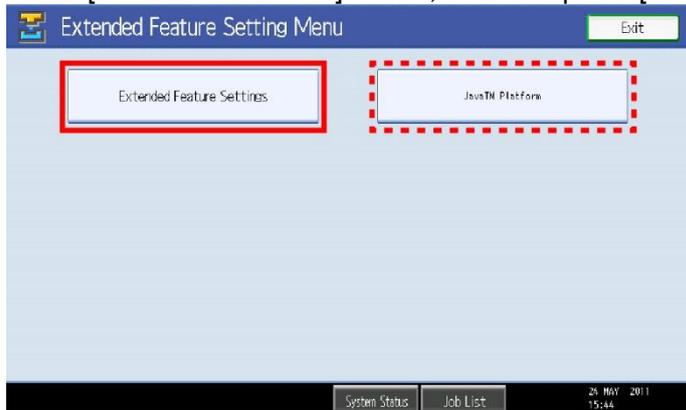
Activation Check

1. Turn on the main power of the device.



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2. Press [User Tools/Counter] button, and then press [Extended Feature Settings].



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3. Confirm on [Extended Feature Setting Menu] screen that [JavaTM Platform] appears.

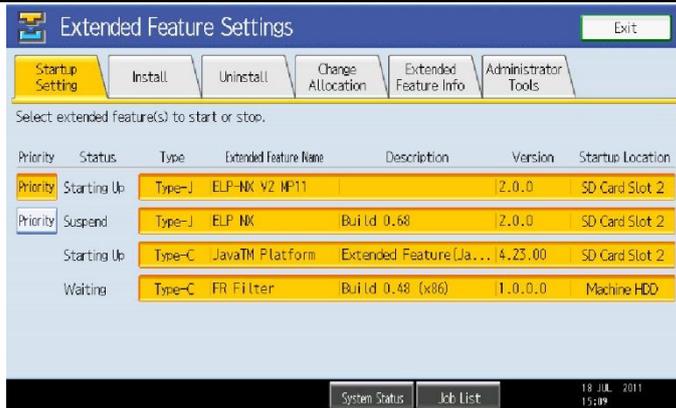
Note

- If [JavaTM Platform] is not shown, the Java™ Platform has not activated yet. Wait for a while until [JavaTM Platform] appears.

4. Press [Extended Feature Settings].

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- Confirm on [Startup Setting] tab that the condition of each application is the same as below:
In the case of Standard Operation Panel and Smart Operation Panel (Compatibility mode):

Application	Status
ELP-NX V2 MP11/MP12/MP31/SP31	Starting Up
ELP NX	Suspend
JavaTM Platform	Starting Up
FR Filter	Waiting

In the case of Smart Operation Panel (Hybrid mode):

Application	Status
ELP-NX V2 Z12	Starting Up
ELP Service	Starting Up
JavaTM Platform	Starting Up
FR Filter	Waiting

In the case of Smart Operation Panel (Hybrid mode), please also check whether the following application is installed in Screen Features → Screen Device Settings Information → Software Version List:

Application
ELP NX

Priority Feature Setting

- Press [User Tools/Counter] button, and then press [System Settings].

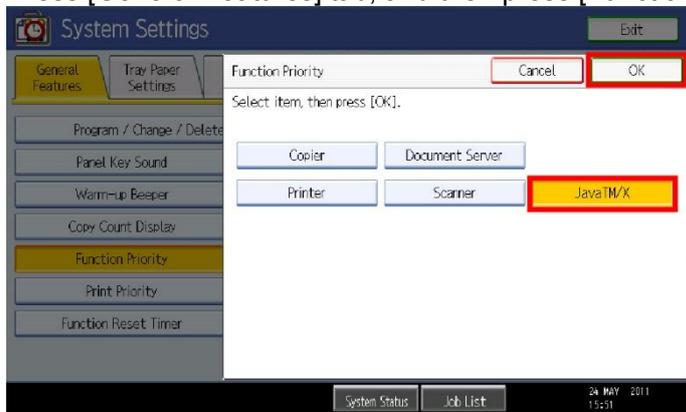
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2. Press [General Features] tab, and then press [Function Priority].



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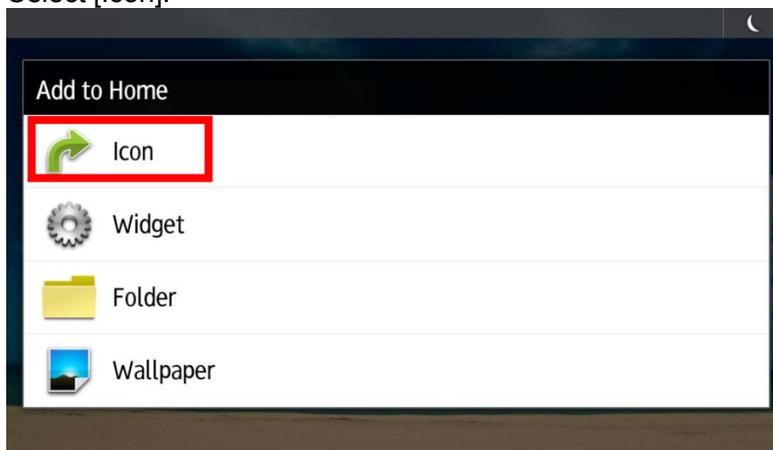
3. Select [Java TM/X] and press [OK].

Smart Operation Panel model specific settings

Icon Setting (Only for Hybrid mode):

To display ELP-NX icon on the Home screen, please perform the following.

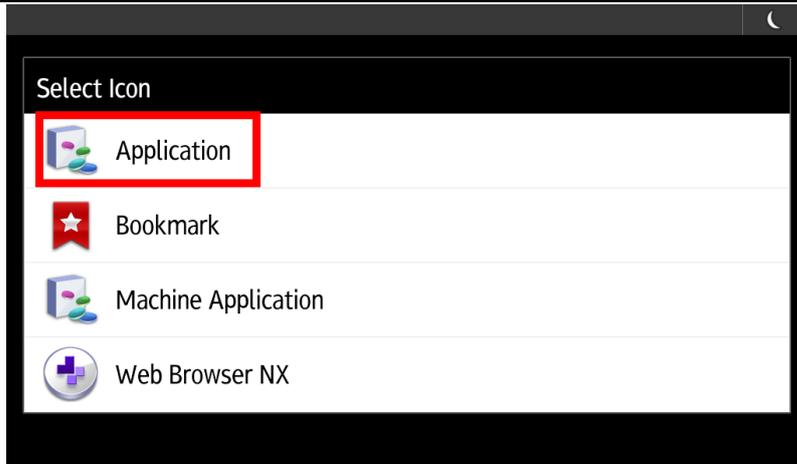
1. Press and hold the Home screen. The [Add to Home] screen will appear.
2. Select [Icon].



3. Select [Application].

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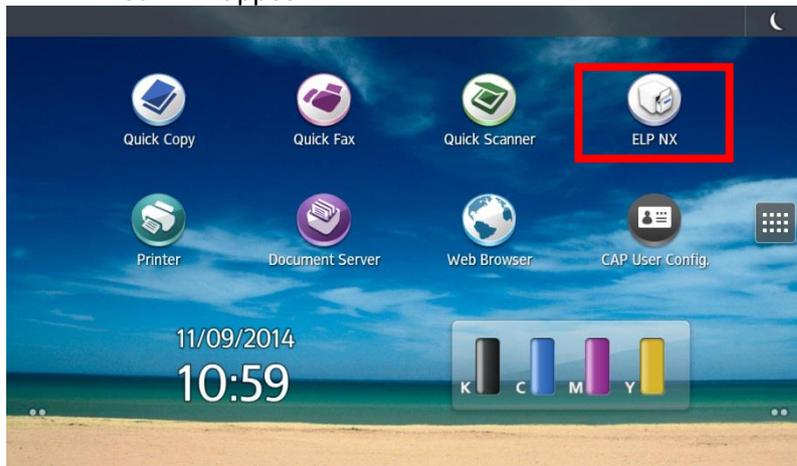
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4. Select [ELP NX].



5. ELP NX icon will appear.



Screen device always-connection Setting (15S or later models)

- 1. Shift to Screen service mode.

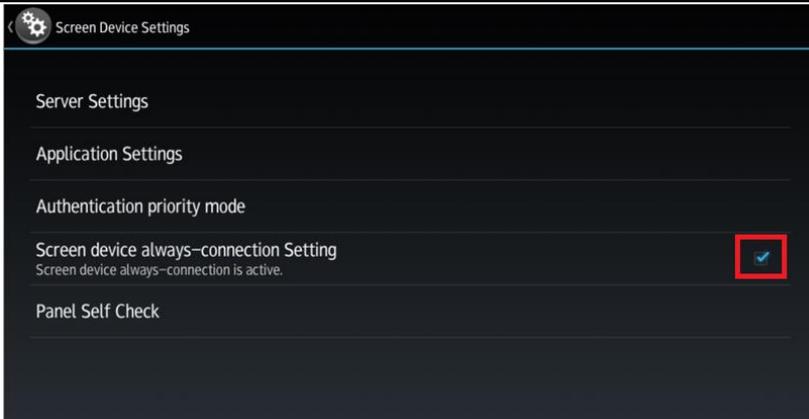
Note

For information on how to enter Screen service mode, contact the supervisor in your branch office.

- 2. Select [Screen Device Settings].
- 3. Enable [Screen device always-connection Setting].

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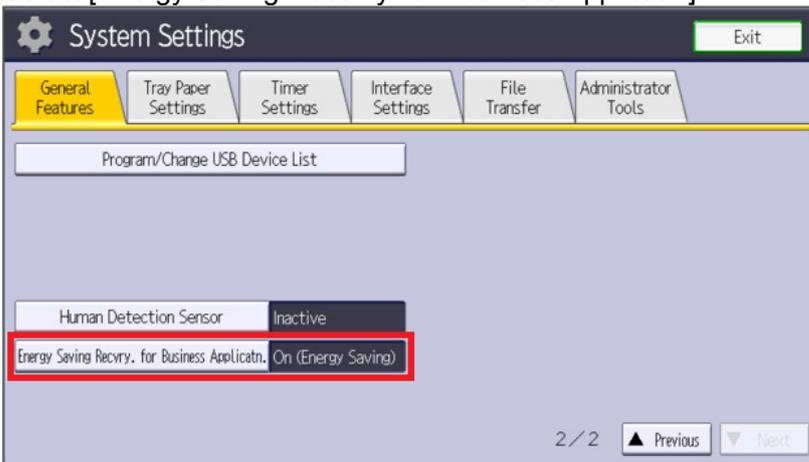
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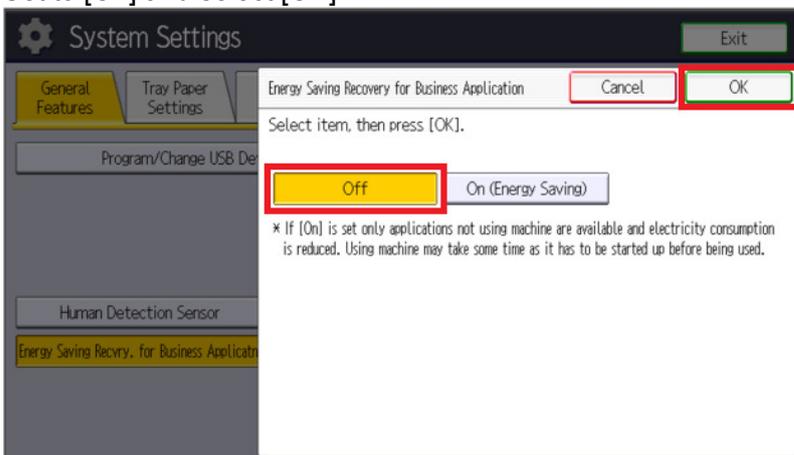
Recommendation: Energy Saving Recovery for Business Application setting (15S or later models)

If the setting is "On", job list may be obtained slowly at the first time after recovering the energy saving. We recommend setting this as "Off".

1. Log in to the MFP as an Administrator.
2. Select [User Tools].
3. Select [Machine Features].
4. Select [System Settings].
5. Select [Energy Saving Recovry. for Business Applicatn.].



6. Set to [Off] and select [OK].

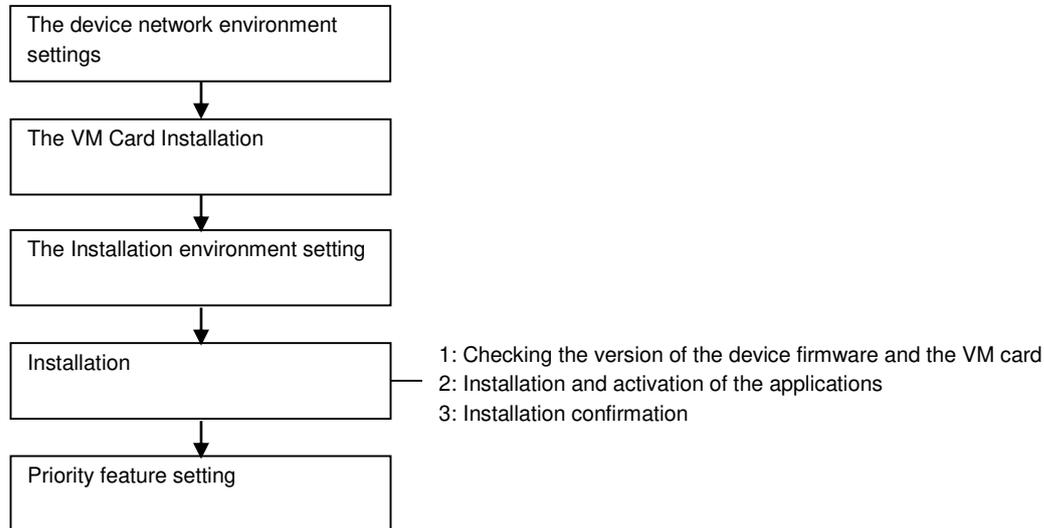


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Installation (4-line MFP/4-line LP/LP)

Installation Flowchart



Installation Environment Settings

Set the following network information from system settings in the device.

- Host Name
- IP Address
- Subnet Mask
- Default Gateway
- DNS Server 1
- DNS Server 2
- DNS Server 3
- Domain Name

VM Card Installation

1. Set [Energy Saver Timer] to 5 minutes in [User Tools / Counter / Enquiry] screen → [System Settings] → [Timer Settings] tab.
 - ↓ Note
 - [Energy Saver Timer] at the device side should be set to 5 minutes to prevent the device from entering the Energy Saver mode while the Java™ Platform is installing or activating.
2. Turn off the main power of the device.
3. Insert the VM card into the SD card slot.
 - ↓ Note
 - For which the SD card slot should be inserted into, see the service manual of each machine.
4. Turn on the main power of the device.
 - ↓ Note
 - The Java™ Platform is installed automatically if the main power of the device is turned on after the VM card insertion.
 - It takes for approx. 3 to 4 minutes to install it automatically.
 - Never turn off the power of the device during the installation, otherwise the VM card may

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be damaged. Turn off the power after the confirmation in step 9 has been done.

5. Access to the device through Web Image Monitor.
6. Log in to Web Image Monitor as an administrator.

Note

- The initial value of login is as follows:
- Login user name: admin
- Password: [blank]



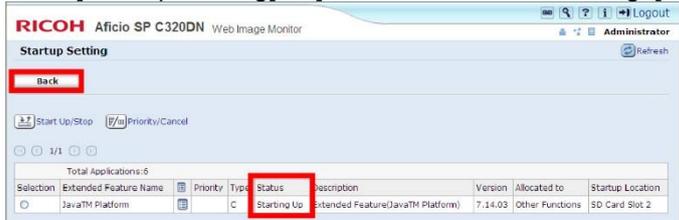
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7. Click [Configuration] in the left menu.



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8. Click [Startup Setting] in [Extended Feature Settings] menu.



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9. Confirm that the status of [JavaTM Platform] is [Starting Up].
10. Click [Back].



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11. Click [Administrator Tools] in [Extended Feature Settings] menu.



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12. Set [Heap Size] to 16 MB, [Stack Size] to 64 KB.
13. Click [Apply].
14. Log out from Web Image Monitor.
15. Select [Shutdown] from the menu of the device.

Note

- Never turn off the power of the device before the shutdown, otherwise the HDD may be

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- damaged.
16. Turn off the main power.

Note

- The VM card should be operated with setting in the SD card slot.

Enhanced Locked Print NX V2 Installation

For the Enhanced Locked Print NX V2 installation, install it with Remote Install Manager. See the service manual of Remote Install Manager. (Remote Install Manager)

FR Filter Installation

Note

- Note that using Remote Install Manager will install the FR Filter automatically for 08A or later models.

- Open Web Image Monitor.
- Log in to Web Image Monitor as an administrator.

Note

- The initial value of login is as follows:
- Login user name: admin
- Password: [blank]



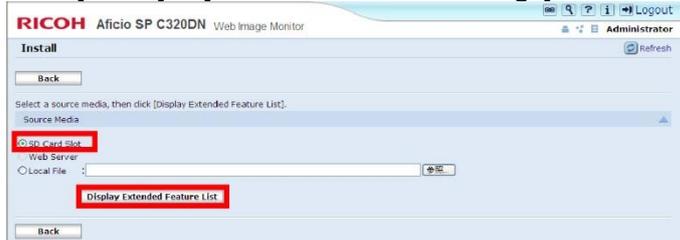
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- Click [Configuration] in the left menu.



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- Click [Install] in [Extended Feature Settings] menu.



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- Check [SD Card Slot] and click [Display Extended Feature List].

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6. Select [Device HDD] for the install location and check [FR Filter] in the list, and then click [Install].



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7. Click [OK] on confirmation screen.

Installation Check

1. Turn on the main power.
2. Log in to Web Image Monitor as an administrator.



- The initial value of login is as follows:
 - Login user name: admin
 - Password: [blank]



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3. Click [Configuration] in the left menu.



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4. Click [Extended Feature Info] in [Extended Feature Settings] menu.
5. In the lists on [Extended Feature Info] screen, confirm that each status of the application is as in the following.

Application name	Status
ELP-NX V2 MP21/SP11	Starting Up

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Application name	Status
ELP NX	Suspend
Java™ Platform	Starting Up
FR Filter	Waiting

Priority Feature Setting

1. Press [Maintenance] → [General Settings] → [Function Priority] from the menu of the device.
2. Select [Java™/X].

 **Note**

- The procedure of this setting differs from devices so that see the service manual of the device.

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Uninstallation

Uninstallation

Uninstallation (WVGA/4.3-inch operation panel models)

- Depending on the device model, the actual operation panel screen may look different from the screenshots used in this document.

Priority Feature Cancellation

In the case of Normal Operation Panel models:

1. Press [User Tools/Counter] button, and then press [System Settings].
2. Press [General Features] tab, and then press [Function Priority].
3. Select an item on the screen other than [Java TM/X] and press [OK].

In the case of Smart Operation Panel models:

1. Press [Screen Features] button, and then press [System Settings].
2. Press [Function Priority].
3. Select an item on the screen other than [ELP NX] and press [OK].

Enhanced Locked Print NX V2 Uninstallation

For the Enhanced Locked Print NX V2 uninstallation, uninstall it with Remote Install Manager. See the service manual of Remote Install Manager. (🖨 Remote Install Manager)

 **Note**

If “RTY-003 : Communication timeout has occurred between the devices. (N002)” is displayed on Remote Install Manager after uninstallation, please try to restart the device manually and perform [Re-execute Errored Operation...] from the Device Operation menu. If the error still appears even though the operation is performed, check the error for troubleshooting in Remote Install Manager Service Manual.

FR Filter Uninstallation

 **Note**

- Note that using Remote Install Manager will uninstall the FR Filter automatically for 08A or later models.

1. Press [User Tools/Counter] button.
2. Press [Extended Feature Settings].
3. Confirm on [Extended Feature Setting Menu] screen that [JavaTM Platform] appears.

 **Note**

- If [JavaTM Platform] is not shown, the Java™ Platform has not activated yet. Wait for a while until [JavaTM Platform] appears.

4. Press [Extended Feature Settings].
5. Press [Uninstall] tab and then select [FR Filter] in the applications list.
6. Press [Yes].
7. Press [Yes].
8. Press [Exit].

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9. Push the power button at the side of the operation section. After the power indicator has finished blinking, turn off the main power.
10. Turn on the main power.
11. Press [User Tools/Counter] button.
12. Press [Extended Feature Settings] on [User Tools / Counter / Enquiry] screen.
13. Press [Extended Feature Settings] on [Extended Feature Setting Menu] screen.
14. Press [Uninstall] tab.
15. Confirm that [FR Filter] is not shown in the applications list.

↓ Note

- The main power should be turned off and on after the uninstallation. Otherwise the application may be reinstalled incorrectly.

Uninstallation (4-line MFP/4-line LP/LP)

Priority Feature Cancellation

1. Press [Maintenance] → [General Settings] → [Function Priority] from the menu of the device.
2. Select an item on the screen other than [Java TM/X].

↓ Note

- The procedure of this setting differs from devices so that see the service manual of the device.

Enhanced Locked Print NX V2 Uninstallation

For the Enhanced Locked Print NX V2 uninstallation, uninstall it with Remote Install Manager. See the service manual of Remote Install Manager. (Remote Install Manager)

↓ Note

If “RTY-003 : Communication timeout has occurred between the devices. (N002)” is displayed on Remote Install Manager after uninstallation, please try to restart the device manually and perform [Re-execute Errored Operation...] from the Device Operation menu. If the error still appears even though the operation is performed, check the error for troubleshooting in Remote Install Manager Service Manual.

FR Filter Uninstallation

1. Open Web Image Monitor.
2. Log in to Web Image Monitor as an administrator.

↓ Note

- The initial value of login is as follows:
 - Login user name: admin
 - Password: [blank]



gloria_a061

3. Click [Configuration] in the left menu.

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4. Click [Uninstall] in [Extended Feature Settings] menu.
5. Select [FR Filter] in the applications list.
6. Reboot the device.

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Appendix

VM Card Update

↓ Note

- The steps below should be followed when updating the VM card if ELP-NX v2 and CAPv2 are installed.

1. Disable Enhanced Authentication Management (SP5-401-160: [1] → [0]).

↓ Note

- Proceed to step 2 without rebooting the device.
2. Update the VM card using Remote Install Manager.
 3. Reboot the device two times (some settings are automatically set during the 1st reboot that require a 2nd reboot to enable).

Procedure for changing the HDD

1. Export the user/device settings via the Configuration Tool for back up. (If possible)
File --> Export --> Select User Information and Device Settings for export --> Click the "Export" button.
2. Uninstall all the applications (ELP) using Remote Install Manager.
3. Change out the HDD.

↓ Note

- Please refer to the device service manual to change out the HDD.

4. Reinstall all the applications (ELP) using Remote Install Manager.
5. Import the user/device setting in Configuration Tool.
File --> Import --> Browse for the User Information and Device Settings --> Click the "Import" button.

Procedure for changing the controller board

This procedure is available in the case that Java VM is installed to the device's flash memory (FM) on the controller board.

1. Export the user/device settings via the Configuration Tool for back up. (If possible.)
File --> Export --> Select User Information and Device Settings for export --> Click the "Export" button.
2. Uninstall all applications (ELP) via Remote Install Manager.

↓ Note

- In the case that the controller board needs to be replaced when using Hybrid mode:
If it is necessary to replace the controller board, the Smart Operation Panel applications will remain. Therefore, the applications should be uninstalled using RIM.

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3. Disable the Java VM (SP5-730-001: [1] -> [0]). Then restart the device.
4. Change out the controller board.
 - ↓ Note
 - Please refer to the device service manual to change out the Controller Board.
5. Reinstall all the applications (ELP) using Remote Install Manager.
6. Import the user/device setting in configuration tool.
 - File --> Import --> Browse for the User Information and Device Settings --> Click the "Import" button.

Procedure for changing the Smart Operation Panel

This procedure is available when changing to a Smart Operation Panel from a Standard Operation Panel or if a Smart Operation Panel needs to be replaced.

1. Export the user/device settings via the Configuration Tool for back up. (If possible.)
 - File --> Export --> Select User Information and Device Settings for export --> Click the "Export" button.
2. Uninstall all applications (ELP) via Remote Install Manager.
 - ↓ Note
 - In the case that the Smart Operation Panel needs to be replaced when using Hybrid mode: If it is necessary to replace the Smart Operation Panel, the DSDK applications installed in the Java VM will remain. Therefore, these applications should be uninstalled via Web image Monitor. The uninstallation method via Web Image Monitor is as follows.
 - WIM -> Configuration -> "Uninstall" in Extended Feature Settings
 - The reason for why the DSDK applications must be uninstalled via WIM is as follows: As per the specification for the eDC-i system, the DSDK applications installed in the Java VM and the Smart Operation Panel applications are regarded as 1 application. When the Smart Operation Panel is replaced (the DSDK applications are left and the Smart Operation Panel applications disappear), the eDC-i system will judge that both the DSDK applications and the Smart Operation Panel applications are deleted. This will cause an error to occur when uninstalling via RIM. Therefore, it is necessary to uninstall the remaining DSDK applications via WIM in order to clear the error in RIM.
 - In the case that the Smart Operation Panel needs to be replaced when using Hybrid mode: It is necessary to forcibly deactivate the license key in advance. Please contact the marketing section in your branch office regarding the deactivation method.
3. Reinstall all applications (ELP).
4. Import the user/device settings via the Configuration Tool.
 - File --> Import --> Browse for the User Information and Device Settings --> Click the "Import" button.