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Model: Card Authentication Package v2	Date: 12-Mar-12	No.: RD602007I

### **RTB Reissue**

The items in *bold italics* were corrected or added.

Subject: Card Authentication Package v2 Installation Manual			Prepared by: Kohsuke Tomoyama
From: Solution Support Sect., Solution Support Dept.			
Classification:	<ul> <li>Troubleshooting</li> <li>Mechanical</li> <li>Paper path</li> <li>Product Safety</li> </ul>	Part informat	Service manual revision

This RTB has been issued to announce the release of the Card Authentication Package v2 Installation Manual.

#### Reissued: 26-Dec-18



### Card Authentication Package v2 Installation Manual

Document version: 1.4.0

### **Main Chapters**

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

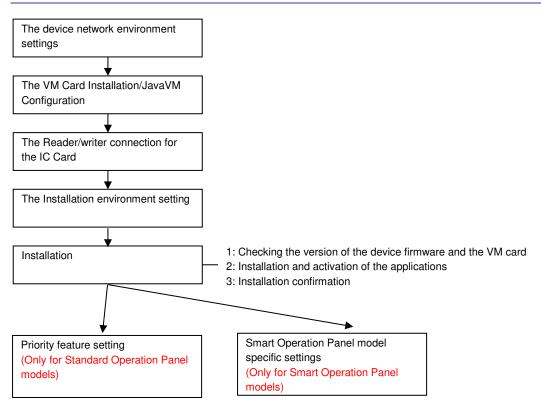
### Installation

Before installation, please make sure all firmware (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 (Smart Operation Panel/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 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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Model: C	Card Authentication Package v2		Date: 12-Mar-12	<u> </u>	No.: RD6020	0071
Item	Detailed de	escriptions		Defau	ılt/Remarks	
Host Name	Set the host name shown on [Int This setting is performed on the s System Settings	screen keyboa	ard. Exit		-	
	Features     Settings     Settings       Network		Tools Print List			
	SMB Computer Name		g Command	Į		l
	SMB Work Group NORKGROUP	Permit SNMPv3 Comm		ļ		I
	Ethernet Speed Auto Select IEEE 802.1X Authentication for Ethernet Inactive	Permit SSL / TLS Comm Host Name	nunication Ciphertext Priority	ļ		I
	Restore IEEE 802.1X Authentication for Emerged Inactive	Host Name Machine Name	e RICOH Aficio MP_	ļ		l
		2/2		Į		l
	Logged in. Machine Administrator	övstem Status 🛛 Job List	25 MAY 2011 9:06 gloria_a003a			
	Host Name	[	Cancel OK	1		l
	Enter host name, then press [OK].		<ul> <li>Backspace Delete All</li> </ul>	Į		l
	` 1 2 3 4 5 6 q w e r t y	0/63 7 8 9 u i o	P [ ] \			
	a s d f g h z x c v b n	j k l	; ' _			
	Shift Lock Shift Space			ļ		l
	Text Entry User Text			ļ		l
		öystem Status 🦳 Job List	25 MAY 2011 9:12 gloria_a004a			

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Model: Ca	rd Authentication Package v2	Date	: 12-Mar-12	No.: RD60200	)71
Item	Detailed de	scriptions		Default/Remarks	
IP Address/ Subnet Mask	Set the IP address and the subre [Machine IPv4 Address] in [Interfa For setting, press [Specify] and [ addresses with the 10-key.	selected.	-		
	🔞 System Settings		Exit		
	General Tray Paper Timer Interfa Features Settings Settings		tor		
	Network		Print List		
	Machine IPv4 Address 192, 168, 0, 1	DDNS Configuration	Active		
	IPv4 Gateway Address 133.139.166. 1	IPsec	Inactive		
	Machine IPv6 Address	Domain Name WINS Configuration	2003DS.gts On		
	IPv6 Stateless Address Autoconfiguration         Active	Effective Proto			
	DNS Configuration Specify	NCP Delivery Protocol	TCP / IP Priority		
		1/2	Previous 🔍 Next		
	Logged in: Machine Administrator	vsten Status 🦳 Job List	25 MAY 2011 9:13 gloria_a005a		
	C System Settings		Exit		
	Machine IPv4 Address	Cancel	L OK		
	Select item.				
	Auto-Obtain (DHCP) Specify	MAC Address 0	00:00:74:fb:82:1b		
	Machine IPv4 Address 192. 168. 0.	5 Change			
	►Subnet Mask 255, 255, 255,	0 Change			
	J. Sv	ystem Status Job List	25 MAY 2011 9:15 gloria_a006		

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Model: Ca	rd Authentication Package v2		Date: 12-Mar-12		No.: RD60200	)71
Item	Detailed d	escriptions		Def	ault/Remarks	
Default Gateway	Set the address that appears when [IPv4 Gateway Address] in [Interface Settings] tab is selected. For setting, enter the address with the 10-key.				-	
	System Settings					
	General Tray Paper Timer Interf Features Settings Settings Setti		Administrator Tools			
	Network		Print List			
	Machine IPv4 Address 192, 168, 0, 5	DDNS Configura	ation Active			
	IPv4 Gateway Address 192. 168. 0. 1	IPsec	Inactive			
	Machine IPv6 Address	Domain Nam				
	IPv6 Gateway Address ::	WINS Configur				
	IPv6 Stateless Address Autoconfiguration Active DNS Configuration Specify		active Protocol			
	DNS Configuration Specify NCP Delivery Protocol TCP / IP Priority           1/2         A Previous         V Next					
	Loged in: Mechine Administrator 25 MV 2011 9:13 gloria_a007a					
	System Settings					
	General Tray Paper Peatures Peatures Patients Enter value with the Network	rss e Number keys, then press	Cancel OK [OK].			
	Machine IPv4 Address IPv4 Gateway Address 192.169. 0. 1 Clear					
	Machine IPv6 Addr	←	_→ (#)			
	IPv6 Stateless Address Autoconfiguration		-			
	DNS Configuration					
	Logged in: Machine Administrator	System Status Job List	25 HAY 2011 13:27 gloria_a008			

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Model: C	Card Authentication Package v2		Date: 12-Mar-12	No.: RD602007I
Item	Detailed de	escriptions		Default/Remarks
DNS Server 1/DNS Server	Set the server address that apper in [Interface Settings] tab is select For setting, press [Specify] and [ address with the 10-key.	cted.		-
2/DNS Server 3	General Tray Paper Settings		Exit dministrator Tools	
	Network		Print List	
	Machine IPv4 Address Auto-Obtain	DDNS Configurat	ion Active	
	IPv4 Gateway Address 133.139.166. 1	IPsec	Inactive	
	Machine IPv6 Address	Domain Name WINS Configurat	ion On	
	IPv6 Stateless Address Autoconfiguration Active		tive Protocol	
	DNS Configuration Specify	NCP Delivery Prot	ocol TCP / IP Priority	
		1/2	Previous Vext	
	Logged in Machine Administrator	ystem Status 🛛 Job List	25 MAY 2011 9:13 gloria_a009b	
	System Settings		Exit	
	DNS Configuration		Cancel OK	
	Enter value with the Number keys, then press $\oplus$ .			
	Auto-Obtain (DHCP) Specify			
	►DNS Server 1 0. 0. 0.	0 Change	$\leftarrow \rightarrow$	
	►DNS Server 2 0. 0. 0.	() Change		
	►DNS Server 3 0. 0. 0.	0 Change		
			Clear #	
	Logged in: Muchine Administrator	ystem Status 🛛 Job List	25 May 2011 9:38 gloria_a010	

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Model: C	Card Authentication Package v2		Date: 12-Mar-12	No.: RD602007I	
Item	Detailed de	escriptions		Default/Remarks	
Domain Name	Set the name that appears when Settings] tab is selected. For setting, press [Specify] and [ name with the screen keyboard.	-			
	General Tray Paper Timer Interfa Features Setting Setting		Exit Exit		
	Network		Print List		
	Machine IPv4 Address Auto-Obtain	DDNS Configuration	on Active		
	IPv4 Gateway Address 133.139.166. 1	IPsec	Inactive		
	Machine IPv6 Address	Domain Name			
	IPv6 Gateway Address ::	WINS Configuration	on On		
	IPv6 Stateless Address Autoconfiguration Active		ive Protocol		
	DNS Configuration Specify	NCP Delivery Proto			
		1/2	A Previous V Next		
	Logged in: Machine Administrator	rstem Status 🦳 Job List	25 #4¥ 2011 9:13 gloria_a011a		
	C System Settings		Exit		
	Domain Name		Cancel OK		
	Select item.				
	Auto-Obtain (DHCP) Specify				
	►Domain Name ricoh.com	Change	]		
	Loged in: Moshine Administrator	stem Status Job List	10 AUG 2011 10:52 gloria_a080		

2) Timer Setting \* Setting in [Timer Settings] of [System Settings]

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

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#### Installation of VM Card

Vote 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".
- If JavaVM is not installed to the device, this procedure is not necessary. In this case, please proceed to the "IC Card Reader/Writer Connection (NFC R/W)".
- 1. Set [Auto Off timer] to 5 minutes in [User Tools / Counter / Enquiry] screen → [System Settings] → [Timer Settings] tab.

Vote 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 <sup>™</sup> 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

3.

- This setting should be restored after the installation.
- Turn off the main power of the device.
- 4. Insert the VM card into the SD card slot.

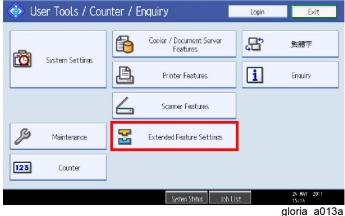
🔸 Note

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

#### 6. Press [User Tools/Counter] button.



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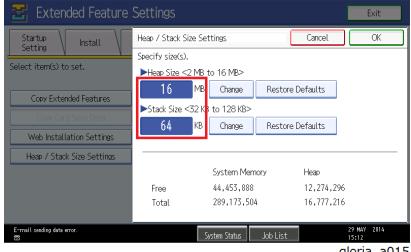
7. Press [Extended Feature Settings] after [User Tools / Counter / Enquiry] screen appears.



8. Confirm on [Extended Feature Setting Menu] screen that [JavaTM Platform] appears after the installation is completed normally.

#### JavaVM Configuration

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



gloria\_a015

5. Set the heap size and 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)

6. Press the [Administrator Tools] tab, and then press [Select Available Functions].

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Model: Card Authentication Package v2	Date: 12-Mar-12	No.: RD602007I

7. Set [PanelService API] as [Active].

Select Available Functions		G	ancel OK	
Select [Active] or [Inactive] for e	each function.			
▶ PanelService API	Active	Inactive		
▶ Kerberos	Active	Inactive	]	
► PC/SC	Active	Inactive	]	
▶ JNDI/LDAP	Active	Inactive	]	
Activation	Active	Inactive		

- 8. Finish [User Tools].
- 9. Push the power button at the side of operation section, and turn off the main power after the power indicator has finished blinking.

Vote Note

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

#### IC Card Reader/Writer connection

#### V Note

The Installation should be executed after the main power is turned off.

Connect the IC card Reader/Writer to the device.

🔸 Note

- Connect the USB cable to the left USB port for Aficio MP C5000/C4000/C3300/C2800, Aficio MP C2550/2050.
- For other machines, either port can be connectable.
- Regarding NFC Card Reader installation, please refer to the service manual for each model.
- With Smart Operation Panel models, connect to the USB port of the device as with Standard Operation Panel models.
- If your customer uses a NFC card reader, please refer to "IC Card Reader/Writer Connection (NFC R/W)" section for how to connect.

#### IC Card Reader/Writer connection (NFC R/W)

#### 🔸 Note

NFC R/W can be used with 15S or later Smart Operation Panel models.

1. Remove the cover at the right side of the Panel.



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Model: Card Authentication Package v2	Date: 12-Mar-12	No.: RD602007I
2. Connect a NFC R/W to the micro USB port.		

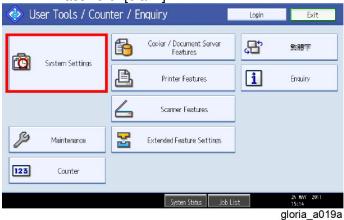


#### Authentication Management Settings

1. Log in the device as an administrator.

Vote Note

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



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

🛐 System Settings	Exit
	erface File Administrator Transfer Tools
User Authentication Management	Extended Security
Enhanced Authentication Management	Auto Delete File in Document Server 3 day(s)
Administrator Authentication Management	Delete All Files in Document Server
Program / Change Administrator	
Key Counter Management	
External Charge Unit Management	
Enhanced External Charge Unit Management	
	2∕4 🔺 Previous 🛡 Next
	System Status Job List 24 HAY 2011 15:23
	gloria a020

3. Press [Administrator Tools] tab, and set items below: [Administrator Authentication Management] [User Authentication Management]

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Model: Card Authentication Package v2	Date: 12-Mar-12	No.: RD602007I
) Administrator Authentication Management		
Jser management]		
System Settings		
Administrator Authentication Management Cancel OK		
velect items to manage, then press [OK].		
User Management Machine Management Network Management File Management		
►Admin. Authentication On Off		
►Available Settings Administrator Tools		
System Status Job List 24 Hay 2011 15:25		
gloria_a02 Set [Admin. Authentication] to [On].	1a	
. Set [Admin. Authentication] to [On].		
<ul> <li>Press [Administrator Tools] of [Available Settings</li> </ul>	s].	
<ul> <li>Press [Administrator Tools] of [Available Settings</li> <li>Press [OK] of the upper right, and enable the characteristic settings</li> </ul>		
Press OK of the upper right, and enable the cha Achine Management		
. Press OK of the upper right, and enable the cha Machine Management		
Press [OK] of the upper right, and enable the cha Aachine Management]     System Settings     Initiative Authentication Management     Carcel     CK		
Press [OK] of the upper right, and enable the cha Aachine Management]     System Settings     Initiative Authentication Management     Carcel     CK		
Press [OK] of the upper right, and enable the cha Aachine Management]     System Settings     Initiative Authentication Management     Carcel     CK		
Press [OK] of the upper right, and enable the cha Machine Management]  System Settings Exit dministrator Authentication Management Cancel OK elect items to management User Management Machine Management Network Management File Management		
Press [OK] of the upper right, and enable the chat     Aachine Management]     System Settings     withinistrator Authentication Management     Cancel     OK     ielect items to management     Machine Management     Network Management     File Management     Admin. Authentication     On     Off		
Press [OK] of the upper right, and enable the cha     Aachine Management]     System Settings     with     dministrator Authentication Management     Cancel     OK     elect items to management     Machine Management     Network Management     File Management     Admin. Authentication     On     Off		
Press [OK] of the upper right, and enable the charachine Management]         System Settings         Indinistrator Authentication Management         Idministrator Authentication Management         Idministrator Authentication Management         Idea Management         Idea Management         Idea Management         Network Management         File Management         Machine Management         Network Management         File Management         Admin. Authentication         On         Off         Available Settings         General Features         Interface Settings         File Transfer         Administrator Tools		
Press [OK] of the upper right, and enable the chat Machine Management]     System Settings     Evit Administrator Authentication Management     Cancel     OK Select items to management     Machine Management     Network Management     File Management     Admin. Authentication     On     Off Available Settings     General Features     Tray Paper Settings     Timer Settings		
Press [OK] of the upper right, and enable the char Machine Management]  System Settings  With inistrator Authentication Management  Cancel  CK  identification  Machine Management  Network Management  File Management  Ketwork Management  File Management  Machine Man	ange.	
Press [OK] of the upper right, and enable the char Machine Management]     System Settings     Exit  Administrator Authentication Management Cancel OK  Administrator Authentication On Off Available Settings Interface Settings File Transfer Administrator Tools Maintenance	ange.	

- Settings], [Timer Settings], [Interface Settings], [File Transfer], [Administrator Tools] and [Maintenance].
  Press [OK] of the upper right, and enable the change.

#### [Network Management]

🔟 System Setti	ngs			Ex	it	
Administrator Authenticatio	n Management		Cancel	(	Ж	
Select items to manage, then press [OK].						
User Management	Machine Management	Network Management	File Management			
►Admin. Authentication	On	Off	]			
►Available Settings	Interface Settings	File Transfer	Administrator To	ols		
		System Status Job L	ist	24 MAY 2 15:29	2011	
			a	oria	a023a	

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- 1. Set [Admin. Authentication] to [On].
- 2. For setting all items in [Available Settings] to values, press [Interface Setting], [File Transfer], and [Administrator Tools].
- 3. Press [OK] of the upper right, and enable the change.

#### [File Management]

System Sett	ings			Exit		
Administrator Authenticatio	n Management		Cancel	OK		
Select items to manage, then press [OK].						
User Management	Machine Management	Network Management	File Management			
Admin. Authentication	On	Off	]			
►Available Settings	Administrator Tools					
		System Status Job	List	24 MAY 2011 15:30		
			glo	oria_a024a		

- 1. Set [Admin. Authentication] to [On].
- 2. Press [Administrator Tools] of [Available Settings].
- 3. Press [OK] of the upper right, and enable the change.

#### 2) User Authentication Management

1. Confirm whether the method of the authentication is "Custom" or "LDAP". <u>\* The displayed authentication type changes depending on a model.</u>

Jser Authentication	Managomost			ſ	Cancel	OK
JSB AUDIENTICATION	rmanagement			L	cartet	
Select an authentic	ation method, the	en press [OK].				
User Code Auth.	Basic Auth.	Windows Auth.	LDAP Auth.	Integrat	ion Svr. Auth.	Off
LDAP Servers		* Not Programme	d	<b>≭</b> Not	Programmed	
		* Not Programme	d	ж Not	Programmed	
		₩ Not Programme	d			
SSL setting for end	rypted communica	ition can be changed	in Program / Change	e LDAP Se	erver sareen.	1/3
▶Printer Job Authentic	ation	Entire	Simple (Limitation)		Simple (All)	🔺 Previou
						▼ Next

2. Set [Printer Job Authentication] to [Entire].



#### Reissued: 26-Dec-18 Model: Card Authentication Package v2 Date: 12-Mar-12 No.: RD602007I 3. Set [Available Functions: Copier] to [None]. 🔯 System Settings User Authentication Management Cancel OK Select an authentication method, then press [OK]. User Code Auth. Basic Auth. Windows Auth. LDAP Auth. Integration Svr. Auth. Off Colour / Black & White Black & White Printer None Other Functions Document Server Facsimile Scanner JavaTM/X 3/3 ▶Login Name Attribute Change Previous ►Unique Attribute Change ¥ Next ogged in: Machine Adm

- 4. Set [Available Functions: Printer] to [None].
- 5. Reset [Document Server], [Facsimile], [Scanner] and [JavaTM/X] in [Available Functions: Other Functions].

gloria a026a

6. Press [OK] of the upper right, and enable the change.

System Status Job List

Turn the power off and on after the settings of [Administrator Authentication Management] and [User Authentication Management] are finished.

# With 15S or later Smart Operation Panel models, cancel the all items beside [Available Functions] (Do not follow Step 3-6 above).

System Settings	Re	eset	\$
User Authentication Management Cancel OK	1	2	3
Select an authentication method, then press [OK].           User Code Auth.         Basic Auth.         Windows Auth.         LDAP Auth.         Off	4	5	6
Available Functions     Copier     Document Server     Fax	7	8	9
Printer Scanner Browser	./*	0	#
►Login Name Attribute 2/2	С		
Hinique Attribute     Change     Vient			
		Start	
Check Status 🕤 🗥 🗏	0	Sto	p

#### Installation of Card Authentication Package v2

Install the following applications using Remote Install Manager to install Card Authentication Package v2. For the installations procedures of these applications, see the service manual of Remote Install Manager. (IF Remote Install Manager)

Vote Note

- In the case of Smart Operation Panel models (Hybrid mode), it is necessary to install 3 modules for CAP before activation when conducting offline installation:
  - CAP V2 Z11
  - CAP User Config.\*1
  - CAP NFC Plug-in \*2

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\*1 The CAP User Config. Tool is used only when the authentication type is Local DB or CAP-ES (Internal user). If the authentication type is AD, LDAP, or CAP-ES (only external user), it is not necessary to install the module for CAP User Config. Tool. \*2 CAP NFC Plug-in is used for the card authentication between a NFC card reader and 15S or later Smart Operation Panel models.

 If installing CAP (F12) (Full Native mode), "Remote Install Manager v1.7.4" or later version is required.

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

Application	Version	Note
CAP V2 MP11/MP21/MP31/SP31	V2.x	MP11 (WVGA models) MP21 (4-line LCD LP models) MP31 (12A or older 4.3-inch operation panel MFP models) SP31 (12S or later 4.3-inch operation panel LP models)
CAP LAUNCHER	V2.x	
САР	V2.x	
CAP REG	V2.x	

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

Application	Version	Note
CAP V2 Z11	V2.x	
САР	V2.x	
CAP V2 Auth. UI	V1.x	Smart Operation Panel application.
CAP User Config.	V1.x	Smart Operation Panel application.
CAP NFC Plug-in	V1.x	Smart Operation Panel application. Only for v2.3.0 or later.

In the case of Smart Operation Panel (Full Native mode):

Application	Version	Note
CAP V2 Auth. UI	V1.x	Smart Operation Panel application.
CAP User Config.	V1.x	Smart Operation Panel application.
CAP NFC Plug-in	V1.x	Smart Operation Panel application.
CAP Java Card Plug-in	V1.x	Smart Operation Panel application.

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Activation Chook		

- Activation Check
- 1. In the case of CAP v2 (Hybrid mode/ Full Native mode), restart the device manually to enable authentication internally.
- 2. Press [User Tools/Counter] button, and then press [Extended Feature Settings].



- 3. Confirm on [Extended Feature Setting Menu] screen that [JavaTM Platform] appears.
  - If [JavaTM Platform] is not shown, the Java <sup>™</sup> Platform has not been activated yet. Wait for a while until [JavaTM Platform] appears.

#### 4. Press [Extended Feature Settings].

Z	🚼 Extended Feature Settings 🛛 🛛 🔤						
	Starbue Setting Install Uninstall Change Allocation Feature Info Administrator						
Select	extended feat	ture(s) to sta	rt or stop.				
Priority	Status	Туре	Extended Feature Name	Description	Version	Startup Location	
Priority	Starting Up	Type-J	CAP V2 MP11		2.0.0	SD Card Slot 2	
Priority	Suspend	Type-J	CAP LAUNCHER		2.0.0	SD Card Slot 2	
Priority	Starting Up	Type-J	CAP		2.0.0	SD Card Slot 2	
Priority	Stop	Type-J	CAP REG	Card Registration T	2.0.0	SD Card Slot 2	
	Starting Up	Туре-С	JavaTM Platform	Extended Feature(Ja	. 4.23.00	SD Card Slot 2	
					A Pre	vious 🔽 Next	
				System Status 🛛 Job List		24 MAY 2011 15:46	
						gloria_a057a	

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5. Press [Startup Setting] tab, and confirm 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
CAP V2 MP11/MP21/MP31/SP31	Starting Up
CAP LAUNCHER	Suspend Note The Launcher is disabled by default. Please set it as the "Priority". The Launcher is not supported on 4.3-inch operation panel models.
CAP	Starting Up
CAP REG	Stop
JavaTM Platform	Starting Up

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

Application	Status
CAP V2 Z11	Starting Up
САР	Starting Up
JavaTM Platform	Starting Up

In the case of Smart Operation Panel (Hybrid mode / Full Native Mode), please also check whether the following applications are installed in Home screen  $\rightarrow$  Screen Features  $\rightarrow$  Screen Device Settings Information  $\rightarrow$  Software Version List:

Application	Note
CAP V2 Auth. UI	
CAP User Config.	
CAP NFC plug-in	Only for v2.3.0 or later.

#### In the case of Smart Operation Panel (Full Native mode):

Application	Note
CAP V2 Auth. UI	
CAP User Config.	
CAP NFC plug-in	
CAP Java Card Plug-in	Only for CAP v2.5.0 or later.

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#### V Note

The following SP modes are automatically set whenever the applications are started up (Every time when the machine power is turned on). In the case of Smart Operation Panel models, press the [x] button on the login screen and select the [Printer] icon after logging out, and then go into SP mode. It is not possible to log in to SP mode from User Tools or Quick application (such as Quick Copy) and when logged in to the device.

- SP5-401-103: [0] → [3] .
- SP5-401-162\*1: bit0 [0] → [1], bit3 [0] → [1] \*2, bit5 [0] → [1] •
- SP5-401-230: bit0 [0] → [1], bit3 [0] → [1] \*3 .
- SP5-401-240: bit0 [0] → [1]

\*1 The bit6 of SP5-401-162 is changed from [0] to [1] at the first time when an IC card is touched. However, this is a normal action.

The value of SP5-401-162 will not be changed by installing CAP (F12)

<sup>\*2</sup> It changes automatically when "Card Login Method" is set to "Enter Password from the Control Panel".

<sup>\*3</sup> It changes automatically when the Billing Code function is used.

#### [Standard Operation Panel model] Priority Feature Setting

This setting is not required with Smart Operation Panel model.

Press [User Tools/Counter] button, and then press [System Settings]. 1.



gloria a027

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

System Status

C System Settings			Exit
General Tray Paper Features Settings	Function Priority	Cancel	OK
	Select item, then press [OK].		
Program / Change / Delete			
Panel Key Sound	Copier Document Serv	er	
Warm-up Beeper	Printer Scanner	Ja	vaTM/X
Copy Count Display			
Function Priority			
Print Priority			
Function Reset Timer			
	System Status Job List		24 MAY 2011 15:51
		al	oria a028

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

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[Smart Operation Panel model] Specific settings

### *Icon Setting (Only for 15S or later Smart Operation Panel models):*

CAP User Config. Tools can be displayed on Home screen.

- 1. Log in to the MFP as an Administrator.
- 2. Press the square button on the right side of the panel.



3. Press and hold the CAP User Config icon under [APPS] tab. This operation will locate the icon on Home Screen.



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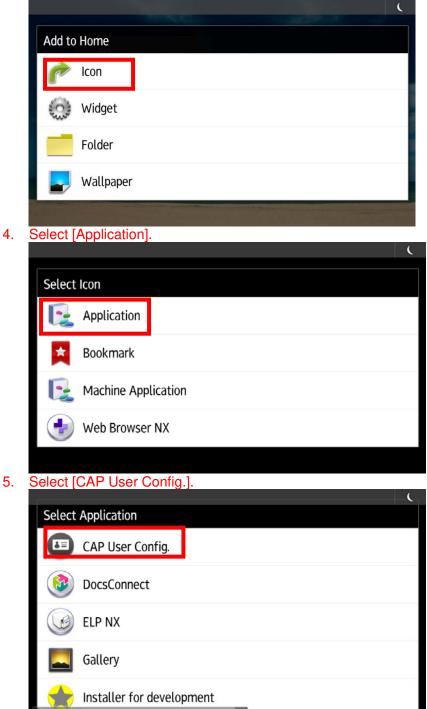
#### Reissued: 26-Dec-18

Model: Card Authentication Package v2	Date: 12-Mar-12	No.: RD602007I
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#### Icon Setting (Only for 15S or before Smart Operation Panel models):

CAP User Config. Tool can be displayed on Home screen.

- 1. Log in to the MFP as an Administrator.
- 2. Press and hold Home screen. The [Add to Home] screen will appear.
- 3. Select [lcon].



Re	issued: 26-Dec	:-18				
Μ	odel: Card Authe	ntication Packag	ge v2		Date: 12-Mar-12	No.: RD602007I
6.	CAP User Config	g. icon will appe	ar. Web Browser	ELP NX ELP NX CAP User Co	nfig	
		09/2014 ):59	KD cD N			

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

- Shift to Screen service mode.
   Note
   For information on how to enter Screen service mode, contact the supervisor in your branch office.
- Select [Screen Device Settings].
   Enable [Screen device always-cordinates]

Server Settings	
Application Settings	
Authentication priority mode	
Screen device always-connection Setting Screen device always-connection is active.	
Panel Self Check	

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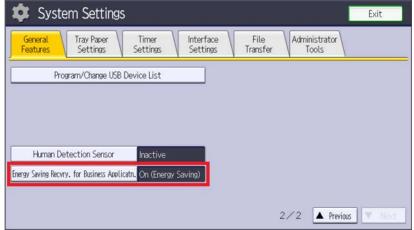
Model: Card Authentication Package v2 Date: 12-Mar-12

No.: RD602007I

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

If the setting is "On", login may be little slow 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].

System Settings			Exit
General Features	Energy Saving Recovery for Business Application	Cancel	ОК
Program/Change USB Der	Select item, then press [OK].		
Human Detection Sensor Energy Saving Recyry, for Business Application	Off     On (Energy Sav     If [On] is set only applications not using machine a     is reduced. Using machine may take some time as it h	re available and electri	

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### Priority Feature Setting (Compatibility mode):

It is possible to select CAP LAUNCHER as a default application when a user logs in to the device.

How to configure Function Priority:

1. Log in to the MFP as an Administrator.

2.	Select [Screen Features].	Logout 🕻
	Copier Fax Scanner	Browser
	User Guide Address Book Management User Tools	Screen Features
		ing lish
3.	Failed to write logs to the log collection server.     Select [Screen Device Settings].     ▲ Machine Administrator Screen Features	Logout C
	▲ Security	
	Storage	
	Keyboard	
	Screen Device Settings Information	
	Screen Device Settings	
4.	Select [Function Priority].	Logout <b>(</b>
	Screen Device Settings	
	Export Screen Setting Information	
	Import History	
	Server Settings	
	Function Priority	
	Initialize Screen Features Settings	

#### Reissued: 26-Dec-18

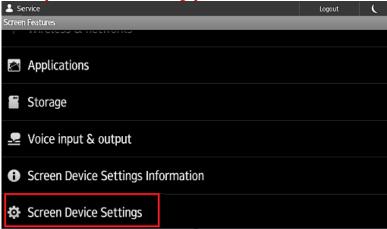
Model: Card Authentication Package v2	Date: 12-Mar-12	No.: RD602007I
5. Select [CAP LAUNCHER].		
L Machine Administrator	Logout 🤇	
Function Priority Scaliner		
Browser		
Browser		
Browser		
Fax		
Printer		
CAP LAUNCHER		

#### Authentication priority mode (For Hybrid mode / Full Native mode):

When a device is in sleep mode, it takes more time for a user's job list to be displayed after the user swipes their IC card on Smart Operation Panel models for Hybrid mode than it does on Standard Operation Panel models and Smart Operation Panel models (Compatibility mode).

By setting the Authentication priority mode via the Screen service mode, the print job display for Hybrid mode is about as fast as the Standard Operation Panel models and Smart Operation Panel models (Compatibility mode). This setting means the HDD always starts within a designated time and it takes little time to authenticate the user information. However, this may negatively affect the TEC value (TEC = Typical Electricity Consumption). The procedure for setting it is as follows.

- 1. Shift to Screen service mode.
  - Vote
    - For information on how to enter Screen service mode, contact the supervisor in your branch office.
- 2. Select [Screen Device Settings].



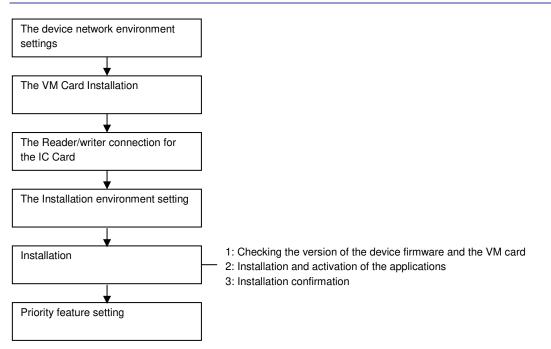
Re	Reissued: 26-Dec-18				
M	odel: Card Authentication Package v2	Date: 12-Mar-12	No.: RD602007I		
3.	Select [Authentication priority mode].	Logout (			
	Screen Device Settings				
	Server Settings				
	Application Settings				
	Authentication priority mode				
	Panel Self Check				
4.	Select [Start time(hhmm)] and enter the dest time(hours)] and enter the desired expiratio which is value of 1-10 hour(s). Their settings mean that it is time for Auther	on time(hours). It is possible to in	put the desired hour		
	Authentication priority mode				
	Authentication priority mode				
	Start time(hhmm)				
	Expiration time(hours)				
5.	Check [Authentication priority mode].				
	Authentication priority mode	Logout C			
	Authentication priority mode				
	Start time(hhmm)	$\bigcirc$			
	Expiration time(hours)	$\odot$			
6.	Logout.				

#### Reissued: 26-Dec-18

Model: Card Authentication Package v2	Date: 12-Mar-12	No.: RD602007I

#### 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.

V 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 <sup>™</sup> Platform is installing or activating.
- 2. 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.
- 3. Turn on the main power of the device.

Vote Note

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- The Java <sup>TM</sup> Platform is installed automatically if the main power of the device is turned on after the VM card insertion.
- It takes for approx. from 3 to 4 minutes to install it automatically.
- Never turn off the power of the device during the installation, otherwise it may damage the VM card. Turn off the power after the confirmation in step 8 has been done.
- 4. Access to the machine with Web Image Monitor.
- 5. Log in the machine as an administrator.

🔸 Note

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



6. Click [Configuration] in the left menu.

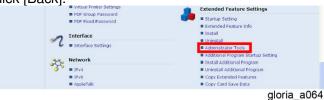


7. Click [Startup Setting] in [Extended Feature Settings] menu.

RICOH Aficio SP C320DN Web Image Monitor						🛔 📬 🗏 Administr			
Startu	p Setting								Refre
Back	-								
<u>₽₹</u> Start	Up/Stop	ancel							
_	_	ancel							
_	1 🖸 🗇	ancel							
3 (* 1/	1 💿 🕑 Total Applications:6								
_	1 🖸 🗇		Priority	Туре	Status	bescription	Version	Allocated to	Startup Location

8. Confirm that the status of [JavaTM Platform] is [Starting Up].

#### 9. Click [Back].



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

Web Installation Settings			
Web Installation Settings HTTP Proxy Server Port User Name	: ○ On ④ Off : ○ on ④ off :		
Password URL Heap / Stack Size Settings	: Change		
URL	: Change	MB (5 - 32 MB)	

- gloria\_a065
- 11. Set [Heap Size] to 16 MB, and set [Stack Size] to 64 KB.
- 12. Click [Apply].

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Model: Card Authentication Package v2	Date: 12-Mar-12	No.: RD602007I

- 13. Log out from Web Image Monitor.
- 14. 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 damaged.
- 15. Turn off the power.

Vote Note

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

#### IC Card Reader/Writer connection

#### Vote Note

• The installation should be executed after the main power is turned off. Connect the IC card Reader/Writer to the device.

#### Authentication Management Settings

- 1. Open Web Image Monitor.
- Log in Web Image Monitor as an administrator.
  - The initial value of login data is as follows:
  - Login user name: admin
  - Password: [blank]



3. Click [Configuration] in the left menu.



4. Click [Administrator Authentication Management] in [Device Settings] menu.



gloria\_a073

5. Check [On] at the following items. [User Administrator Authentication] [Machine Administrator Authentication]

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#### Reissued: 26-Dec-18 Model: Card Authentication Package v2 Date: 12-Mar-12 No.: RD6020071 [Network Administrator Authentication] [File Administrator Authentication] Click [OK], and enable settings. 6. 📼 🍳 ? i 🕂 Logout RICOH Aficio SP C320DN Web Image Monitor 🛔 🎲 🗏 Administrator Home Configuration Refresh ? Job Device Settings System Paper Date/Time Date/Time Logs Download Logs Down Security Configuration Network Secure Access Contro IPP Authentica SSL/TLS ssh Site Certificate Site Certificate Device Certificate IPsec User Lockout Polic uto E-mail Notific User Lockou IEEE 802.1X RC Gate gloria a074 7. Click [User Authentication management] in [Device Settings] menu. 9 ? i • Lo RICOH Aficio SP C320DN Web Image Monitor a 😭 1 🗉 Administrator @ Mask Mask Length 128 USB (Simple) : C Apply C Do not Apply LDAP Authentication Settings LDAP Authentication · · Not programmed C Not programmed C Not programmed C Not programmed Not programmed sAMAccountName Login Name Attribute Unique Attribute Available Function Copier Black & White Single Color Two-color Full Color Control of Annual Control Other Function(s) OK Cancel

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- 8. Remove all check marks in [Available Function: Printer] of [LDAP Authentication Settings] or [Custom Authentication Settings].
- 9. Click [OK], and enable settings.
- 10. Log out from Web Image Monitor.
- 11. Select [Shutdown] from the menu of the device.
- 12. Turn off and on the power of the device.

#### Card Authentication Package V2 Installation

For the Card Authentication Package V2 installation, install it with Remote Install Manager. See the service manual of Remote Install Manager. (IF Remote Install Manager)

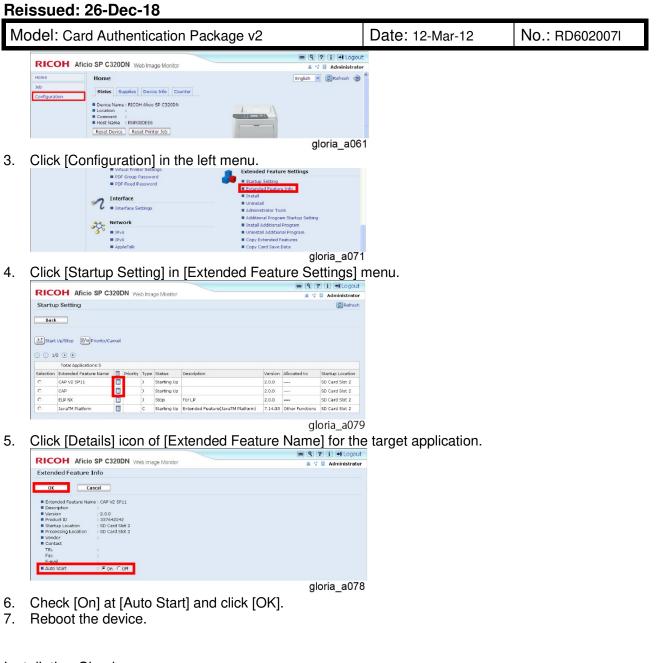
#### Automatic Startup Settings

The following applications should be set to start up automatically.

- CAP
- CAP LAUNCHER
- CAP V2 MP21/SP11
- 1. Open Web Image Monitor.
- 2. Log in to Web Image Monitor as an administrator.

Vote

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



#### Installation Check

- 1. Turn on the power of the device.
- 2. Log in Web Image Monitor as an administrator.
  - Vote 🗸
    - The initial value of login data is as follows:
    - Login user name: admin



3. Click [Configuration] in the left menu.

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- 4. Click [Extended Feature Info] in [Extended Feature Settings] menu.
- 5. Refer to the application list, and confirm that the condition of each application is the same as below:

Application	Status
CAP V2 MP21/SP11	Starting Up
CAP LAUNCHER	Suspend
САР	Starting Up
CAP REG	Stop
JavaTM Platform	Starting Up

#### **Priority Feature Setting**

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

Vote

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

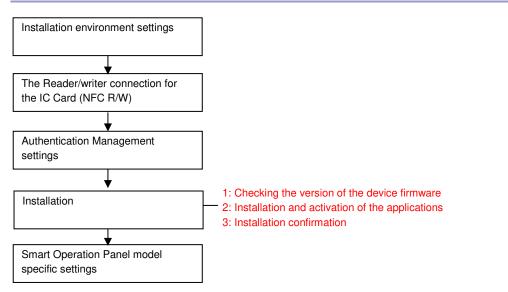
#### Reissued: 26-Dec-18

Model: Card Authentication Package v2	Date: 12-Mar-12	No.: RD602007I

#### Installation (Pre-include model)

18S or later models with Smart Operation Panel have CAP installer in devices. CAP can be installed to these models via Smart Operation Panel so Remote Install Manager is not required.

#### Installation Flowchart



#### Installation Environment Settings

"Please refer to "Installation Environment Settings" in "Installation (Smart Operation Panel/WVGA/ 4.3-inch operation panel models)" section

#### IC Card Reader/Writer Connection (NFC R/W)

"Please refer to "IC Card Reader/Writer Connection (NFC R/W)" in "Installation (Smart Operation Panel/WVGA/4.3-inch operation panel models)" section

#### Authentication Management Settings

"Please refer to "Authentication Management Settings" in "Installation (Smart Operation Panel/ WVGA/4.3-inch operation panel models)" section

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Model: Card Authentication Package v2	Date: 12-Mar-12	No.: RD602007I
Installation of OAD 10		

#### Installation of CAP v2

The installation method of and "CAP" to 18S or later models with Smart Operation Panel models is as below.

- 1) Display the legacy application on Cheetah's operation panel, and login by operation SP mode.
- 2) Choose "Device" > "Apps".
- 3) Choose "Install"
- 4) Choose "Install From Internal Storage"
- 5) Install the following applications one by one (applications cannot be installed at the same time).
  - CAP V2 Auth.UI
  - CAP User Config.
  - CAP NFC Plug-in
  - CAP Java Card Plug-in

Application installation is now completed.

Next, activate the application.

- 6) Return to the screen in the step 4, choose "Activate Applications"
- 7) Choose the following applications one by one, and input the product key and "Execute" for each.
  - CAP V2 Auth.UI
- 8) After Activation is completed, restart the device.

#### Activation Check

"Please refer to Full Native mode of "Activation Check" in "Installation (Smart Operation Panel/WVGA/4.3-inch operation panel models)" section

[Smart Operation Panel model] Specific settings

"Please refer to "[Smart Operation Panel model] Specific settings" in "Installation (Smart Operation Panel/WVGA/4.3-inch operation panel models)" section

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Model: Card Authentication Package v2	Date: 12-Mar-12	No.: RD602007I
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#### When Migrate to Card Authentication Package v2 from v1

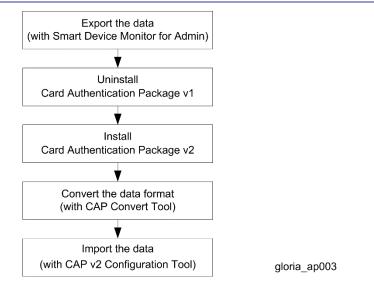
Migration from Card Authentication Package v1 to v2 requires the conversion of the user information from Card Authentication Package v1's format to v2's format.

The following explains the conversion procedure using CAP Convert Tool.

🔸 Note

For CAP Convert Tool, JRE v6.0 or later is required on the host PC.

#### **Conversion Flowchart**



#### Export the Data

The following three files are required in order to convert the Card Authentication Package v1 data into v2 data.

- Card information file: card(date).csv
- User information file: (model name)\_user.csv
- Address information file: (model name)\_addr.csv
- These exports have to be done before uninstalling v1.

#### 1) Export the card information

1. Click [Maintenance] to show [Card ID Mapping Maintenance] screen.

Davia	
Export Card ID Mapping Export	
	(4.00
Import Card ID Mapping :	参照
Import	
	gloria a051

2. Click [Export].

The export operation creates a CSV file containing the card information. **Example:** cardmmdd.csv (mmdd: an exported month (mm) and day (dd))

Reissued: 26-Dec-18				
Model: Card Authenticatio	n Package v2		Date: 12-Mar-12	No.: RD602007I
2) Export the user informa Shift to Energy Save Mode Recover from Energy Save Mode				
Add to <u>G</u> roup Delete <u>C</u> hange Display Information	Ctrl+D Del Alt+Enter			
Web Browser Device Information	•			
<u>U</u> ser Management Tool <u>A</u> ddress Management Tool Accounting <u>R</u> eport Tool				
Launch [User Managem			onitor for Admin.	
Iser Management To         File       Edit       View       Help         Image: I	ccess Control List			
2. Select [Access Control L				
Iser         Management         Total           File         Edit         View         Help           Export         User         Statistics         List           Edit         CSV         File         Format of the Open           Open         CSV         File         with         Program           Export         User         Information         Import         Exit           Exit         Exit         Exit         Exit         Exit	e User Statistics I			
<ol> <li>Select [Export User Info</li> </ol>	-	ria_a054		

3. Select [Export User Information] from [File] menu. The user information is exported as a CSV file.

Example (for an Aficio MP C5000): Aficio\_MP\_C5000\_user.csv

### Reissued: 26-Dec-18

Model: Card Authentication	on Packag	e v2	Date: 12-Mar-12	No.: RD602007I
3) Export the address info Shift to Energy Save Mode Recover from Energy Save Mode				
Add to <u>G</u> roup Delete <u>C</u> hange Display Information	Ctrl+D Del Alt+Enter			
Web Browser Device Information	1	•		
<u>U</u> ser Management Tool				
<u>A</u> ddress Management Tool Accounting <u>R</u> eport Tool				

gloria\_a055

1. Launch [Address Management Tool] of Smart Device Monitor for Admin.

💐 Address Management Tool -							
<u>F</u> ile	<u>E</u> dit	<u>V</u> iew	<u>H</u> elp				
Import Data							
<u> </u>	port Da	ita					
Op	en CS۱	/ File w	ith Program				
<u>B</u> a	ckup D	lata					
<u>R</u> estore Data							
Exit							
	1114		aloria	a056			

2. Select [Export Data] from [File] menu.

Three CSV files are created by the export process and one of them is needed for the conversion. **Example (for an Aficio MP C5000):** 

Aficio\_MP\_C5000\_faxinfo.csv

Aficio\_MP\_C5000\_taginfo.csv

Aficio\_MP\_C5000\_addr.csv (Only this file is needed for the conversion.)

Uninstall Card Authentication Package v1

For the Card Authentication Package v1 uninstallation, see the service manual for Card Authentication Package v1. (IF Card Authentication Package v1 Service Manual)

Install Card Authentication Package v2

For the Card Authentication Package v2 installation, install it with Remote Install Manager. See the service manual of Remote Install Manager. (IF Remote Install Manager)

#### Convert the Data Format

- 1. Before running CAP Convert Tool, put the tool and the files into the same directory.
  - CAP Convert Tool: DataConvertFromCap.exe
  - Card information file: card(date).csv
  - User information file: (model name)\_user.csv
  - Address information file: (model name)\_addr.csv
- 2. CAP Convert Tool is a command-line tool. Open a command prompt and switch to the directory where the files are located.
- Enter the following command. DataConvertFromCap.exe (User information file name) (Address information file name) (Card information file name) [Character-code]

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V Note

- If any character code is not specified, "Cp1252" will be used as a default.
- For a list of supported character encoding types, refer to the 2<sup>nd</sup> column of the following list:
- http://download.oracle.com/javase/1.5.0/docs/guide/intl/encoding.doc.html
- 4. A message is displayed when the conversion is complete. The message includes the following information:
  - User information registered (total item)
  - Convert user information items (succeeded)
  - Input format error items (failed)
  - Conversion error items (failed)

If there is no error, close the command prompt.

#### Import the Data

A successful conversion creates the following two files:

- DataConvertFromCap.csv
   This is the user information file for Card Authentication Package v2.
   To import the data, use CAP v2 Configuration Tool.
- DataConvertFromCap.log This log contains the conversion results and the error information.

Model: Card Authentication Package v2 Date: 12-Mar-12 No.: RD602007I

### Uninstallation

Uninstallation

Uninstallation (Smart Operation Panel/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.

[Smart Operation Panel model] Specific settings (Hybrid mode / Full Native mode)

Set "Authentication Priority mode (Hybrid mode / Full Native mode)" via the Screen service mode to off.

1	Shift to Screen service mode.
	<ul> <li>For information on how to enter Screen service mode, contact the supervisor in your</li> </ul>
2	branch office. . Select [Screen Device Settings].
	Service Logout (
Se	reen Features
	Applications
	Storage
	Voice input & output
	Screen Device Settings Information
	Creen Device Settings
3	
	Service Logout C

Screen Device Settings	
Server Settings	
Application Settings	
Authentication priority mode	
Panel Self Check	

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Model: Card Authentication Package v2	Date: 12-Mar-12	No.: RD602007I
4. Clear the check box for [Authentication priority mode]		
Les Service Authentication priority mode	Logout 🤇	
Authentication priority mode		
Start time(hhmm)		
Expiration time(hours)		

#### 5. Logout.

#### Setting in the Device

- 1. Log in the device as an administrator.
- 2. Set [Enhanced Authentication Management]\* to [Off]. \*[System Settings]->[Administrator Tools]->[Enhanced Authentication management]

#### Vote Note

The SC636 error will occur when ignoring the process above.

#### **Priority Feature Cancellation**

In the case of Standard Operation Panel models:

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

#### Authentication Management Settings

- 1. Log in the device as an administrator.
  - 🔸 Note
    - The initial value of login data is as follows:
    - Login user name: admin
    - Password: [blank]
- 2. Press [User Tools/Counter] button, and then press [System Settings].
- \*With 15S or later models, select [User Tools] -> [Machine Features] -> [System Settings]
- 3. Press [Administrator Tools] tab, and set items below:
  - 4. [User Authentication Management]
- 5. [Administrator Authentication Management]

#### 1) User Authentication Management

- 1. Set the method of the authentication is "Off".
- 2. Press [OK] of the upper right.

1/2

▼ Next

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Model: Card Authentication Package v2	Date: 12-Mar-12	No.: RD602007I
2) Administrator Authentication Management		
[User management]		
1. Set [Admin. Authentication] to [Off].		
[Machine Management]		
2. Set [Admin. Authentication] to [Off].		
[Network Management]		
3. Set [Admin. Authentication] to [Off].		
[File Management]		
4. Set [Admin. Authentication] to [Off].		
5. Press [OK] of the upper right.		
Turn the power off and on after the settings are cor	npleted.	

#### How to stop applications

With Smart Operation Panel models (Hybrid mode):

- 1. Login to the device as an administrator.
- 2. Choose [User Tools] -> [Machine Features] -> [System Settings] -> [Extended Feature Settings] -> [Extended Feature Settings].
- 3. Choose [Startup Setting] tab, and press following applications one by one:
  - CAP V2 Z11
  - CAP

Press [CAP V2 Z11], then the application will be stopped.

🚯 Exte	ended Featu	re Setting:	5	1/2	-	Þ	Ed							
Startup Setting	install	Uninstall	Extended Feature Info	Administrator Tools	1									
Select extend	ied feature(s) to s	tart or stop.												
Status	Type Exte	nded Feature Name	Descrip	tion. V	ersion	Starting	Expiration	Date						
Starting Up	Type-J CAP \	/2 211		2.4	.100	FM	No Peri	d lmt.						
Starting Up	Type-J ELP-M	0C V2 Z12	1		.100	FM	No Peris		244			100	-	
Starting Up	Type-J CAP			2.		Extend	ded Fea	ture Se	ttings	į		1/2	•	Exit
Starting Up	Type-J ELP S	iervice	1	2.	Start		install	Unin	stall	Extended	Administr			
Starting Up	Type-C Java1	M Platform	Extended Feat		Sett Select o	L		to start or s	top	Feature Info	Tools	1		
					Ctate			Extended Easts		Decer		1,000	- 200	Excitation Data
					Stop		voe-J (C)					2.4.100	EM	No Period Lmt.
					Starting			P-NX V2 Z	12			2.4.100	EM	No Period Lmt.
					Starting		VDIE-J C					2.4.100	FM	No Period Lmt.
					Starting			P Service				2.4.100	FM	No Period Lmt.
					Starting			waTM Plat		Extended Fea	ture(Ja	12.47.01	FM	

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#### 4. Choose [Extended Feature Info] tab.

### 5. Press an application name.

🕂 Exte	ended F	eature Setting	S	1/2 🧹	►	Exit
Startup Setting	Insta	all Uninstall	Extended Feature Info	Administrator Tools		
Select an ext	ended featu	ire to check.				
Status	Type	Extended Feature Name	Descriptio	n Version	StartLoc	Expiration Date
Stop	Туре-Ј	CAP V2 Z11		2.4.100	FM	No Period Lmt.
Stop	Type-J	ELP-NX V2 Z12		2.4.100	FM	No Period Lmt.
Stop	Туре-Ј	CAP		2.4.100	FM	No Period Lmt.
Stop	Туре-Ј	ELP Service		2.4.100	FM	No Period Lmt.
Starting Up	Туре-С	JavaTM Platform	Extended Featu	re(Ja 12.47.01	FM	
				1/2	A Previou	s 🔻 Next

#### 6. Set [Auto Start] to "Off". Then press [Exit].

🚯 Extended F	eature Settings			Exit
Extended Feature Info			[	Exit
The following extended	feature has been installed.			
►Extended Feature Nam	e: CAP V2 Z11	►Product ID:	337653552	
Description:				
►Version:	2.4.100	Expiration Date:	No Period Limit	
Startup Location:	Flash Memory			
► Processing Location:	Flash Memory	►Auto Start:	On	Off
►Vendor:				
►Contact:	TEL: Fax: Email:			

7. Conduct the same procedure for the following applications as well:

- CAP V2 Z11
- CAP

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Uninstallation of CAP v2

Uninstall the following applications using Remote Install Manager to uninstall CAP. For the uninstallations procedures of these applications, see the service manual of Remote Install Manager. ( Remote Install Manager)

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

- CAP V2 MP11/MP21/MP31/SP31
- CAP LAUNCHER
- CAP
- CAP REG

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

Application	Version	Note
CAP V2 Z11	V2.x	
CAP	V2.x	
CAP V2 Auth. UI	V1.x	Smart Operation Panel application.
CAP User Config.	V1.x	Smart Operation Panel application.
CAP NFC Plug-in	V1.x	Smart Operation Panel application. Only for v2.3.0 or later.

In the case of Smart Operation Panel models (Full Native mode):

Application	Version	Note
CAP V2 Auth. UI	V1.x	Smart Operation Panel application.
CAP User Config.	V1.x	Smart Operation Panel application.
CAP NFC Plug-in	V1.x	Smart Operation Panel application.
CAP Java Card Plug-in	V1.x	Smart Operation Panel application. Only for v2.5.0 or later.

🔸 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.

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#### SP Mode Cancellation

Restore the SP values described below. In the case of Smart Operation Panel models, press the [x] button on the login screen and select the [Printer] icon after logging out, and then go in to SP mode. It is not possible to log in to SP mode from User Tools or Quick application (such as Quick Copy) and when logged into the device.

SP5-401-103: [3] → [0] SP5-401-162: bit0 [1] → [0], bit3 [1] → [0], bit5 [1] → [0], bit6 [1] → [0] SP5-401-230: bit0 [1] → [0], bit3 [1] → [0] SP5-401-240: bit0 [1] → [0]

Vote Note

- The machine should be rebooted after the settings are changed.
- The setting changes are not necessary if the reinstallation is executed.
- Depending on the functions the customer uses, not all of the above SP values may be set to [1] even before cancelling them.
- The value of SP5-401-162 will not be changed by installing "ELP-NX with CAP (F12)"

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Reissued: 26-Dec-18			
Model: Card Authentication	Package v2	Date: 12-Mar-12	No.: RD602007I
Uninstallation (4-line MFP)	4-line LP/LP)		
Setting in the Device			
Set [Enhanced Authentication	Management] in [Securi	ty Management] to [Off].	
<ul> <li>Note</li> <li>The SC636 error will</li> </ul>			
	occur when ignoring the	process above.	
Setting with Web Image Mon			
<ol> <li>Open Web Image Monitor</li> <li>Log in the machine as an         <ul> <li>Note</li> <li>The initial value of</li> <li>Login user name</li> <li>Password: [blank</li> </ul> </li> </ol>	administrator. of login data is as follows : admin	::	
Home Home	English 💌 🧭		
Status         Supplies         Device Info         Counte           III         Device Name : RICOH Africe SP C320DN         IL castion :			
3. Click [Configuration] in the	gloria e left menu.	_a061	
RICOH Aficio SP C320DN Web Image Monitor	■ ? i Adr		
Configuration  Peyce Settlings  System  Paper  Der Paper Der Paper  Der Paper  Der Paper  Der Paper  Der Paper  Der Paper  Der Paper  Der Paper  Der Paper  Der Paper Der Paper Der Paper  Der Paper  Der Paper Der Paper  Der Paper  Der Paper  Der Paper  Der Paper  Der Paper  Der Paper  Der Paper  Der Paper  Der Paper  D	Precently     Intervark Security     Intervark Security     Intervark Security     Intervark Security     Intervark Security     Intervark Security     Intervark     Security     Intervark		
4. Click [User Authentication	Update RC Gate Firmware		
RICOH Aficio SP C320DN Web Image Monitor User Authentication Management	ann Q ? i ≜ *i 3 Adr	→) Logout	
User Authentication Management			
5. Select [Off] at [User Auther RICOH Aficio SP C320DN Web Image Monitor		+ Logout	
Home Configuration Deb Configuration Configuration Configuration User Paper U	Security  Retrorf( Security  Retrorf( Security)  Access Control  P Authentication  SULTS  I sin  S the Control  S to Control  S	efresh 🌚 ^	
Download Logs     E-mail     E-mail     Auto-fication     On-demand E-mail Notification     On-demand E-mail Notification     User Automication Nanopement     Administrator Nanopement	B Owice Certificate     B Use Codout Policy     EEEE 802.1X		
Program/Change Administrator Firmware Update	Setup RC Gate     Update RC Gate Firmware	2072	

gloria\_a072 6. Click [Administrator Authentication Management] in [Device Settings] menu.

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Model: Card Authentication Package v2		Date: 12-Mar-12	No.: RD602007I
RICOH Aficio SP C320DN Web Image Monitor	Constraints and a second secon		
Administrator Authentication Management           OK         Cancel	Refresh 🍘		
User Administrator Authentication : Or Soff     Machine Administrator Authentication : Or Soff			
■ Network Administrator Authentication : ○or ≥off ■ File Administrator Authentication : ○or ≥off			
	gloria a076		
7. Check [Off] at the following items, and clic	• -		

- User Administrator Authentication
- Machine Administrator Authentication
- Network Administrator Authentication
- File Administrator Authentication
- 8. Turn off and on the power of the device.
- 9. Execute the uninstallation with Remote Install Manager. For details, see the service manual of Remote Install Manager. (IF Remote Install Manager)
  - CAP V2 MP21/SP11
  - CAP LAUNCHER
  - CAP
  - CAP REG

For the uninstallation procedures of these applications, see the service manual of Remote Install Manager. (IF Remote Install Manager)

#### SP Mode Cancellation

Restore the SP values described below.

- SP5-401-103: [3] → [0]
- SP5-401-162: bit0 [1] → [0], bit5 [1] → [0]
- SP5-401-230: bit0 [1] → [0]
- SP5-401-240: bit0 [1] → [0]

#### Vote Note

- The machine should be rebooted after the settings are changed.
- The setting changes are not necessary if the reinstallation is executed.

#### 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].

V Note

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

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### Appendix

### VM Card Update

🔸 Note

The steps below should be followed when updating the VM card if CAPv2 is installed.

- 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 1<sup>st</sup> reboot that require a 2<sup>nd</sup> reboot to enable).

### Procedure for changing the HDD

- 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 (CAP) using Remote Install Manager.
- 3. Change out the HDD.

Vote Note

- Please refer to the device service manual to change out the HDD.
- 4. Reinstall all the applications (CAP) 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.

- 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.
- Uninstall all applications (CAP) 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.
- Change out the controller board.
   Note
  - Please refer to the device service manual to change out the Controller Board.
- 5. Reinstall all the applications (CAP) 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.

- 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 (CAP) via Remote Install Manager.
  - Vote 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 (CAP).
- 4. Import the user/device settings via the Configuration Tool.

File --> Import --> Browse for the User Information and Device Settings --> Click the "Import" button.

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#### Reissued: 26-Dec-18

Model: Enhanced Locked Print NX v2	Date: 12-Mar-12	No.: RD602008m

#### **RTB Reissue**

The items in *bold italics* were corrected or added.

Subject: Enhand	ed Locked Print NX v2 Installa	tion Manual	Prepared	by: Kohsuke Tomoyama
From: Solution Support Sect., Solution Support Dept.				
Classification:	<ul> <li>Troubleshooting</li> <li>Mechanical</li> <li>Paper path</li> <li>Product Safety</li> </ul>	Part informat Electrical Transmit/rec		<ul> <li>Action required</li> <li>Service manual revision</li> <li>Retrofit information</li> <li>Tier 2</li> </ul>

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

### Reissued: 28-January-16

Model: Enhanced Locked Print NX v2 Date: 12-Mar-12 No.: RD602008m



### Enhanced Locked Print NX v2 Installation Manual

Document version: 1.4.0

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Procedure for changing the controller board	
Procedure for changing the Smart Operation Panel	

### Reissued: 28-January-16

Model: Enhanced Locked Print NX v2 Date: 12-Mar-12 No.: RD602008m

### Installation

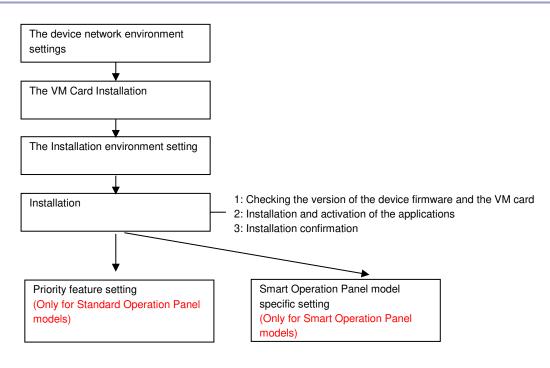
### Installation

Before installation, please make sure all firmware (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 (Smart Operation Panel/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.

Model: E	nhanced Locked Print NX v2		Date	12-Mar-12		No.: RD602	008m
ltem	Detailed de	escriptions			Defa	ault/Remarks	
Host Name	Set the host name shown on [Int This setting is performed on the System Settings			Exit		-	
	General Tray Paper Timer Interfa Features Settings Settings		dministrator Tools				
	Network			Print List			
	NW Frame         Auto Select           SMB Computer Name		i Command				
	SMB Work Group NORKGROUP Ethemet Speed Auto Select	Permit SNMPv3 Comm Permit SSL / TLS Comm		Encryption / Cleartext Ciphertext Priority			
	IEEE 802.1X Authentication for Ethemet Inactive Restore IEEE 802.1X Authentication to Defaults	Host Name Machine Name	;	RICOH Aficio MP_			
	Logged in. Mashine Administrator	2/2 ystem Status Job List	2 🔺 Prev	25 MAY 2011			
	Host Name		Cancel	9:06 gloria_a003a			
	Enter host name, then press [OK].	L					
	-	0/63 ← →	Backspa	ce Delete All			
	<u> </u>	7 8 9	0 ] 9	- =			
	a s d f g h	j k l	; ,				
	z x c v b n	m , .		0			
	Shift Lock Shift Space						
		vstem Status 🔰 Job List		25 MAY 2011 9:12			
				gloria_a004a			

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Model: En	hanced Locked Print NX v2	D	ate: 12-Mar-12		No.: RD60200	)8m
Item	Detailed de	escriptions		De	fault/Remarks	
IP Address/ Subnet Mask	Set the IP address and the subre [Machine IPv4 Address] in [Interfa For setting, press [Specify] and [4 addresses with the numeric keys	ace Settings] ta Change], and th	b is selected. ten enter the		-	
	General Tray Paper Timer Interfa	ce File Adm	Exit			
	Features Settings Setting		Print List			
	Machine IPv4 Address 192. 168. 0. 1	DDNS Configuration	Active			
	IPv4 Gateway Address 133.139.166. 1	IPsec	Inactive			
	Machine IPv6 Address	Domain Name	2003DS.gts			
	IPv6 Gateway Address ::	WINS Configuration	On			
	IPv6 Stateless Address Autoconfiguration Active		e Protocol			
	DNS Configuration Specify	NCP Delivery Protoco				
		1/2	Previous     Vext			
	Logged in. Machine Administrator Sy	rstem Status Job List	25 MAY 2011 9:13 gloria_a005a			
	C System Settings		Exit			
	Machine IPv4 Address		Cancel OK			
	Select item.					
	Auto-Obtain (DHCP) Specify	MAC Address	00:00:74:fb:82:1b			
	Machine IPv4 Address 192. 168. 0.	5 Change				
	►Subnet Mask 255, 255, 255.	0 Change				
			_			
	س	rstem Status 🛛 Job List	25 MAY 2011 9:15 gloria_a006			

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Model: Er	nhanced Locked Print NX v2 Date: 12-Mar-12			No.: RD60200	08m
Item	Detailed de	escriptions		Default/Remarks	
Default Gateway	Set the address that appears wh [Interface Settings] tab is selecte For setting, enter the address wi operation panel.		-		
	C System Settings		Exit		
	General Tray Paper Timer Interfa Features Settings Settings Setting	ace File Igs Transfer	Administrator Tools		
	Network		Print List		
	Machine IPv4 Address 192, 168, 0, 5	DDNS Configur	ation Active		
	IPv4 Gateway Address 192. 168. 0. 1	IPsec	Inactive		
	Machine IPv6 Address	Domain Nan			
	IPv6 Gateway Address ::	WINS Configur	ation On		
	IPv6 Stateless Address Autoconfiguration Active		ective Protocol		
	DNS Configuration Specify	NCP Delivery Pr	otocol TCP / IP Priority		
		1/			
	Logged in: Machine Administrator	System Status 📃 Job List	25 MAY 2011 9:13 gloria_a007a		
	🔞 System Settings		Exit		
	General Tray Paper Paper Pov4 Gateway Addres	SS	Cancel OK		
		Number keys, then press	[OK].		
	Network				
	Machine IPv4 Address				
	IPv4 Gateway Address 192.169.	0. 1	Clear		
	IPv6 Gateway Address	<b>←</b>			
	IPv6 Stateless Address Autoconfiguration		_		
	DNS Configuration				
	Logged in. Machine Administrator	System Status 🛛 Job List	25 MAY 2011 13:27 gloria_a008		

Model: E	nhanced Locked Print NX v2		Date: 12-Mar-12	No.: RD602008m
Item	Detailed de	escriptions		Default/Remarks
DNS Server 1/DNS Server 2/DNS Server 3	Set the server addresses that ap in [Interface Settings] tab is select For setting, press [Specify] and [ addresses with the numeric keys System Settings           General         Tray Paper Settings         Timer Settings         Interface Settings	cted. Change], and on the opera	then enter the	-
	Machine IPv4 Address Auto-Obtain	DDNS Configurat		
	IPv4 Gateway Address 133.139.166. 1	IPsec	Inactive	
	Machine IPv6 Address	Domain Name		
	IPv6 Gateway Address ::	WINS Configurat	ion On	
	IPv6 Stateless Address Autoconfiguration Active	Effec	tive Protocol	
	DNS Configuration Specify	NCP Delivery Prot	ocol TCP / IP Priority	
	Logged in: Machine Administrator	1 / 2 vstem Status Job List	Previous ▼ Next 25 #47 2011 9:13 gloria_a009b	
	C System Settings		Exit	
	DNS Configuration		Cancel OK	
	Enter value with the Number keys, then press $\circledast.$			
	Auto-Obtain (DHCP) Specify			
	►DNS Server 1 0. 0. 0.	0 Change	$\leftarrow \rightarrow$	
	►DNS Server 2 0. 0. 0.	() Change		
	►DNS Server 3 0. 0. 0.	<b>()</b> Change		
			Clear 🗰	
	Logged in. Machine Administrator	ystem Status 🛛 Job List	25 MAY 2011 9:38 gloria_a010	

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Model: E	Enhanced Locked Print NX v2 Date: 12-Mar-12				No.: RD602	008m
ltem	Detailed descriptions			Defa	ult/Remarks	
Domain Name	Set the name that appears when Settings] tab is selected. For setting, press [Specify] and [C name with the screen keyboard.	-			-	
	General Tray Paper Timer Interface Features Settings Settings		dministrator Tools			
	Network		Print List			
	Machine IPv4 Address Auto-Obtain	DDNS Configurat	ion Active			
	IPv4 Gateway Address 133.139.166. 1	IPsec	Inactive			
	Machine IPv6 Address	Domain Name				
	IPv6 Gateway Address :: IPv6 Stateless Address Autoconfiguration Active	WINS Configurat	ion On			
	DNS Configuration Specify	NCP Delivery Prote				
		1/2				
	Logged in: Machine Administrator	tem Status 🛛 Job List	25 MAY 2011 9:13			
			gloria_a011a			
	System Settings		Exit			
	Domain Name		Cancel OK			
	Select item.					
	Auto-Obtain (DHCP) Specify					
	►Domain Name ricoh.com	Change				
	Logsed in: Mechine Administrator		10 AUG 2011			
	Syste	em Status 🛛 Job List	gloria_a080			

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

Item	Detailed descriptions	Default/Remarks
Auto Logout Timer	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.	Default: [Off]

Reis	ssued: 28-Jan				TAGE: 5/55	
Мо	del: Enhanced Lo	ocked Print NX v2		Date: 12-Mar-12	No.: RD602008m	
VM	Card Installation					
	necessar If JavaVN	y. In this case, pleas	e proceed to the ne device, this pr			
l	[Timer Settings] t Note Auto Off	ab. f Timer] at the device	e side should be	nter / Enquiry] screen set to 5 minutes to pre Platform is installing c		
3.	Set [System Auto Reset Timer] to [Off] in [User Tools / Counter / Enquiry] screen → [System Settings] → [Timer Settings] tab. Vote This setting should be restored after the installation. The main power of the device is turned off.					
	<ul> <li>Insert the VM card into the SD card slot.</li> <li>Note</li> <li>For which the SD card slot should be inserted into, see the service manual of each machine.</li> </ul>					
5.	Turn on the main power of the device.					
0	<ul> <li>The Java <sup>™</sup> Platform is installed automatically if the main power of the device is turned on after the VM card insertion.</li> <li>It takes for approx. 3 to 4 minutes to install it automatically.</li> <li>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.</li> <li>Press [User Tools/Counter] button.</li> </ul>					
6.	With the second		Login Exit			
	System Settings	Cooler / Document Server Features Printer Features	新勝字     「     」     Enquiry	]		

24 MAY 2011 15:14

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123

Maintenance

Counter

Scanner Features

Extended Feature Settings

System Status Job List

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

苦 Extended Feature Setting Menu	Exit
Extended Feature Settings JavaTM Platform	
System Status Job List	24 MAY 2011 15:44

- gloria\_a014a
- 8. Confirm on [Extended Feature Setting Menu] screen that [JavaTM Platform] appears after the installation is completed normally.

#### JavaVM Configuration

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

Extended Feature	Settings				Exit
Startup Install	Heap / Stack Size S	Settings		Cancel	СЖ
Setting Winstatt	Specify size(s).				
Select item(s) to set.	▶Heap Size <2 M	<u>B</u> to 16 MB>			
	<u>16</u> м	B Change	Restore	Defaults	
Copy Extended Features	►Stack Size <32	K <mark>8</mark> to 128 KB>			
	64 KE	Change	Restore	Defaults	
Web Installation Settings					
Heap / Stack Size Settings					
		System Merr	iory	Heap	
	Free	44,453,888		12,274,29	16
	Total	289,173,50	4	16,777,21	6
	l				
E-mail sending data error. 🕾		System Status	Job List		29 MAY 2014 15:12
					gloria_a015

5. 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)

- 6. Finish the initial settings.
- 7. 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.

#### Reissued: 28-January-16

Model: Enhanced Locked Print NX v2	Date: 12-Mar-12	No.: RD602008m	

Installation of Enhanced Locked Print NX V2

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. (IF Remote Install Manager)

#### Vote 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.

Vote Note

 If installing ELP-NX F12 (Full Native mode), "Remote Install Manager v1.7.4" or later version is required.

Application	Version	Note
ELP-NX V2 MP11/MP12/MP13/MP31/SP31 /MP33/SP13	V2.x	MP11 (12S or older WVGA models) MP12 (12A or later WVGA models) MP13(Only for Ricoh Asia Pacific. It needs to be installed offline. Target devices: Metis-C2 / Charis-C2 / Martini-C6 / Griffin-C2 / Corona-C1.5) MP31 (12A or older 4.3-inch operation panel MFP models) MP33 (15S or later 4.3-inch operation panel LP models) SP13 (15S or later 4-line LCD LP models) SP31 (12S or later 4-line LCD LP models) SP31 (12S or later 4.3-inch operation panel LP models)
ELP NX	V2.x	
FR Filter	V1.x	08S or older models must install the FR Filter manually.

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

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.

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#### In the case of Smart Operation Panel (Full Native mode):

Application	Version	Note
ELP NX	V1.x	Smart Operation Panel application.

#### Installation of FR Filter

signuadu 20. January 16

🔸 Note

- Note that using Remote Install Manager will install the FR Filter automatically for 08A or later models.
- When installing ELP-NX (F12), FR Filter is not installed but the function of "EGS" module in the controller is enabled.
  - \* SP mode (Special Service) "1-001-016": bit6 [0] 🏓 [1]
- 1. Press [User Tools/Counter] button.
- 2. Press [Extended Feature Settings] in [User Tools / Counter / Enquiry] screen.
- 3. Confirm on [Extended Feature Setting Menu] screen that [JavaTM Platform] appears.
  - If [JavaTM Platform] is not shown, the Java <sup>™</sup> Platform has not activated yet. Wait for a while until [JavaTM Platform] appears.
- 4. Press [Extended Feature Settings].
- 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.

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Мо	odel: Enl	hanced L	ocked	l Print NX v2		Date: 12-Mar-12	No.: RD602008m	
Acti	ivation C	Check						
1.	Turn on	the main	powe	er of the device			_	
	🧇 User	Tools / Cour	nter / E	inquiry	Login	Exit		
	and the second s		6	Copier / Document Server Features	æ	繁體字		
	Sv:	rstern Settings	Ð,	Printer Features	i	Enquiry		
			6	Scanner Features	]			
	ß	Maintenance	2	Extended Feature Settings				
	123	Counter						
				System Status Job Li	ist	24 MAY 2011 15:14		
2.	the second se	Jser Tools			id then	gloria_a013 press [Ex	a tended Feature Setting	gs].
		Extended Feature	Settings	Ja	vaTM Platform			
				System Status Job Li	ist	24 MAY 2011 15:44		

- 3. Confirm on [Extended Feature Setting Menu] screen that [JavaTM Platform] appears.
   Vote
  - If [JavaTM Platform] is not shown, the Java <sup>™</sup> Platform has not activated yet. Wait for a while until [JavaTM Platform] appears.
- 4. Press [Extended Feature Settings].

z	Extende	d Featur	e Settings	constantiality records and then we address		Exit
Startup Install Uninstall Change Extended Administrator Tools						
Select e	extended fea	iture(s) to sta	art or stop.			
Priority	Status	Туре	Extended Feature Name	Description	Version	Startup Location
Priority	Starting Up	Туре-Ј	ELP-NK V2 MP11		2.0.0	SD Card Slot 2
Priority	Suspend	Type-J	ELP NK	Build 0.68	2.0.0	SD Card Slot 2
	Starting Up	Туре-С	JavaTM Platform	Extended Feature(Ja	4.23.00	SD Card Slot 2
	Waiting	Туре-С	FR Filter	Build 0.48 (x86)	1.0.0.0	Machine HDD
				System Status 🛛 Job List		18 JUL 2011 15:09
						gloria p00

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5. 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 / Full Native mode), please also check whether the following application is installed in Screen Features  $\rightarrow$  Screen Device Settings Information  $\rightarrow$  Software Version List:

	Application	
ELP NX		

#### 🔸 Note

.

In full native mode, the following SP modes (Special Service) are automatically set whenever the applications are started up (Every time when the machine power is turned on). In the case of Smart Operation Panel models, press the [x] button on the login screen and select the [Printer] icon after logging out, and then go in to SP mode (Special Service). It is not possible to log in to SP mode (Special Service) from User Tools or Quick application (such as Quick Copy) and when logged into the device.

SP mode (Special Service) "1-001-016": bit6 [0] 🏓 [1]

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[Standard Operation Panel model] Priority Feature Setting

This setting is not required with Smart Operation Panel model.

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

General Features	Trav Paper Settings	Timer Interf Settings Setti		
Progra	m / Change / Delete	User Text	Output: Copier	Internal Tray 1
Panel	Key Sound	Off	Output: Document Server	Internal Tray 1
Warm	-up Beeper	Off		
Сору С	ount Display	Up	Output: Printer	Internal Tray 1
Funct	ion Priority	Copier	System Status/Job List Display Time	15 second(s
Prin	t Priority	Display Mode	Key Repeat	Normal
Function	Reset Timer	3 second(s)		

gloria\_a027

2. <u>Press [General Features] tab, and then press [Function Priority].</u>

General Tray Paper	Function Priority	(a	ncel OK
Features Settings	-		OK
Program / Change / Deleta	Select item, then press	lokj.	
Panel Key Sound	Copier	Document Server	
Warm-up Beeper	Printer	Scanner	JavaTM/X
Copy Count Display			
Function Priority			
Function Priority Print Priority			
Print Priority			

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

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Model: Enhanced Locked Print NX v2	Date: 12-Mar-12	No.: RD602008m
One set On existing Densel as a dellar section setting as		

[Smart Operation Panel model] specific settings

### Icon Setting (Only for 15S or later Smart Operation Panel models):

ELP-NX can be displayed on Home screen.

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- 1. Log in to the MFP as an Administrator.
- Press the square button on the right side of the panel.
   Machine Administrator



3. Press and hold the ELP NX icon under [APPS] tab. This operation will locate the icon on Home Screen.



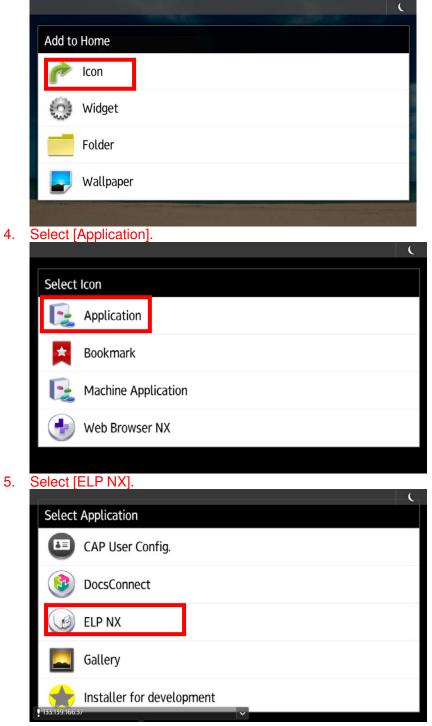
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Model: Enhanced Locked Print NX v2	Date: 12-Mar-12	No.: RD602008m
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Icon Setting (Only for 15S or before Smart Operation Panel models):

ELP-NX can be displayed on Home screen.

- 1. Log in to the MFP as an Administrator.
- 2. Press and hold Home screen. The [Add to Home] screen will appear.
- 3. Select [lcon].



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6. ELP NX icon will appear.



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

1. Shift to Screen service mode.

For information on how to enter Screen service mode, contact the supervisor in your branch office. Select [Screen Device Settings].

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

Screen Device Settings	
Server Settings	
Application Settings	
Authentication priority mode	
Screen device always-connection Setting Screen device always-connection is active.	×
Panel Self Check	

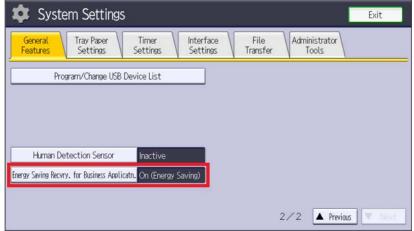
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## Recommendation: Energy Saving Recovery for Business Application setting (15S or later models)

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].

System Settings			Exit
General Features	Energy Saving Recovery for Business Application	Cancel	ОК
Program/Change US8 De	Select item, then press [OK]. Off On (Energy Same Select using machine is set only applications not using machi		city consumption
Human Detection Sensor	is reduced. Using machine may take some time as it		
Energy Saving Recyry, for Business Apolicato			

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Model: Enhanced Locked Print NX	v2	Date: 12-Mar-12	No.: RD602008m
<b>Priority Feature Setting (For C</b> It is possible to select ELP NX as a			
How to configure Function Priority: 1. Log in to the MFP as an Admini 2. Select [Screen Features]. *With 15S or later models, selection Machine Administrator		Creen Features]	
Copier Fax	Scanner	Browser	
User Guide Address Book Management	User Tools Scr	en Features	
		₩.	
<ul> <li>Failed to write logs to the log collection server.</li> <li>Select [Screen Device Settings]</li> <li>Machine Administrator</li> <li>Screen Features</li> </ul>	·	Logout C	
G Security			
Storage			
A Keyboard			
Screen Device Settings Informat	ion		
<ul><li>Screen Device Settings</li><li>Select [Function Priority].</li></ul>			
Machine Administrator     Screen Device Settings     The point Set Component Setting Information		Logout C	
Export Screen Setting Information			
Import History			
Server Settings			
Function Priority			
Initialize Screen Features Settings			

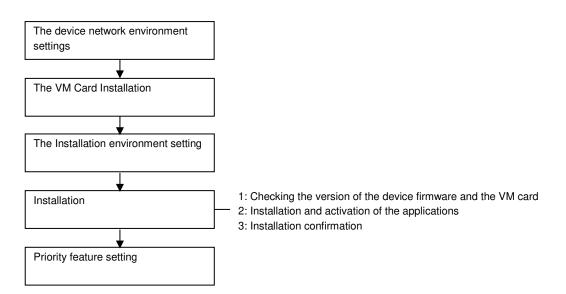
Model: Enhanced Locked Print NX v2	Date: 12-Mar-12	No.: RD602008m
5. Select [ELP NX]. Machine Administrator Function Priority	Logout C	
Fax Printer		
Browser Browser		
Browser ELP NX		
CAP LAUNCHER		

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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

#### Installation of VM Card

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

Vote 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 <sup>™</sup> Platform is installing or activating.
- 2. Turn off the main power of the device.
- 3. Insert the VM card into the SD card slot.

Vote 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.

Vote Note

- The Java <sup>™</sup> 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 9 has been done.

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Mo	odel: Enhanced Locked Print NX v2	Date: 12-Mar-12	No.: RD602008m	
5. 6.	Access to the device through 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]  CICOH Africo SP C320DN Web Image Monitor User State State Courter User State State Preto Courter User State State Preto Courter User State State Preto Courter User State Preto Courter	*		
7.	Click [Configuration] in the left menu.	2		
8.	Click [Startup Setting] in [Extended Feature Settings] RICOH Aficio SP C320DN Web Image Monitor Startup Setting Startup Setting Startup Setting Startup Setting Startup Setting	menu.		
9. 10.	Confirm that the status of [JavaTM Platform] is [Startin Click [Back].	ng Up].		
11.	Click [Administrator Tools] in [Extended Feature Settin	ngs] menu.		
13. 14.	gloria_a06 Set [Heap Size] to 16 MB, [Stack Size] to 64 KB. Click [Apply]. Log out from Web Image Monitor. Select [Shutdown] from the menu of the device.	5		

Note
 Never turn off the power of the device before the shutdown, otherwise the HDD may be damaged.

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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. (IF Remote Install Manager)

#### FR Filter Installation

Vote Note

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

	ficio SP C320DN Web Image Monitor	an 9 ? i + Logout
Home Job Configuration	Home Status Supplies Device Info Counter Device Name : RICOH Africis 5P C320DN Decice Name : RICOH Africis 5P C320DN Hort Name : RIVPODCES Reset Device Reset Pinter Job	English V @Refreeh @
		gloria_a061

3. Click [Configuration] in the left menu.



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

	📾 🭳 ʔ i 利 Logout
RICOH Aficio SP C320DN Web Image Monitor	🚔 😭 🗄 Administrator
Install	2 Refresh
Back	
Select a source media, then click [Display Extended Feature List].	
Source Media	
O SD. Card Slot	
OLocal File :	2
Display Extended Feature List	
Back	
	gloria_a067

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

-						📼 🍳 ? i 利 Logout
ĸ	ICOH Aficio SP (	C320DN	Web Image Monitor			🚔 📬 🗐 Administrator
In	stallation Target Setting					<u>ــــــــــــــــــــــــــــــــــــ</u>
■in	stall to : Device HDD	~				
Ту	pe-) Setting					<u>ـ</u>
■Au	to Start : ○ On ④ Off					
Ex	tended Feature List					*
	Install					
Ľ	Janacali					
	J 1/1 🕞 🕞					
	Total Applications:6					
	Extended Feature Name	Туре	Description	Version	Source Media	
0	ELP-NX V2 SP11	J		2.0.0	SD Card Slot 1	
0	ELP NK	3	For LP	2.0.0	SD Card Slot 1	
0	FR Filter	с	FR Filter (x86)	1.0.0	SD Card Slot 1	
0	FR Filter	с	FR Filter (mips)	1.0.0	SD Card Slot 1	

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

		∞ ९ ? i → Logout		
RICOH Aficio SP C3	20DN Web Image Monitor	🚔 😭 🗎 Administrator		
Install				
on enreer		gloria a069		
		5 _		

7. Click [OK] on confirmation screen.

#### Installation Check

- 1. Turn on the main power.
- Log in to Web Image Monitor as an administrator.
   Note
  - The initial value of login is as follows:
  - Login user name: admin
  - Password: [blank]



3. Click [Configuration] in the left menu.

Virtual Printer Settings     PDF Group Password     PDF Fixed Password	Extended Feature Settings    Startup Setting  Extended Feature Info		
Interface	Install		
Interface Settings	Uninstall     Administrator Tools     Additional Program Startup Setting     Install Additional Program		
2% Network			
	Uninstall Additional Program		
IPv6	Copy Extended Features		
AppleTalk	Copy Card Save Data		
	gloria_a071		

4. Click [Extended Feature Info] in [Extended Feature Settings] menu.

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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
ELP NX	Suspend
JavaTM Platform	Starting Up
FR Filter	Waiting

**Priority Feature Setting** 

1. Press [Maintenance]  $\rightarrow$  [General Settings]  $\rightarrow$  [Function Priority] from the menu of the device.

2. Select [Java TM/X].

Vote Note

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

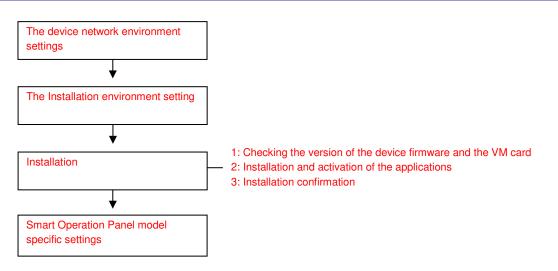
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Installation (Pre-include model)

18S or later models with Smart Operation Panel have LP-NX installer in devices. ELP-NX can be installed to these models via Smart Operation Panel so Remote Install Manager is not required.

#### Installation Flowchart



#### Installation Environment Settings

"Please refer to "Installation Environment Settings" in "Installation (Smart Operation Panel/WVGA/ 4.3-inch operation panel models)" section

#### Installation of Enhanced Locked Print NX V2

The installation method of "ELP-NX" to 18S or later models with Smart Operation Panel models is as below.

- 1) Display the legacy application on Cheetah's operation panel, and login by operation SP mode.
- 2) Choose "Device" > "Apps".
- 3) Choose "Install"
- 4) Choose "Install From Internal Storage"
- 5) Install the following applications one by one (applications cannot be installed at the same time).

ELP NX

Application installation is now completed.

Next, activate the application.

- 6) Return to the screen in the step 4, choose "Activate Applications"
- 7) Choose the following applications one by one, and input the product key and "Execute" for each.

```
ELP NX
```

8) After Activation is completed, restart the device.

Model: Enhanced Locked Print NX v2	Date: 12-Mar-12	No.: RD602008m

Activation Check

"Please refer to Full Native mode of "Activation Check" in "Installation (Smart Operation Panel/WVGA/4.3-inch operation panel models)" section

[Smart Operation Panel model] Specific settings

"Please refer to "[Smart Operation Panel model] Specific settings" in "Installation (Smart Operation Panel/WVGA/4.3-inch operation panel models)" section

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# Uninstallation

### Uninstallation

Uninstallation (Smart Operation Panel/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]. \*With 15S or later models, select [User Tools] -> [Screen Features]
- 2. Press [Function Priority].
- 3. Select an item on the screen other than [ELP NX] and press [OK].

Uninstallation of Enhanced Locked Print NX V2

Uninstall the following applications using Remote Install Manager to uninstall Enhanced Locked Print NX V2. For the uninstallations procedures of these applications, see the service manual of Remote Install Manager. (I Remote Install Manager)

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

- ELP-NX V2 MP11/MP12/MP13/MP31//MP33/SP31
- ELP NX
- FR Filter (08S or older models must uninstall the FR Filter manually.)

In the case of Smart Operation Panel models (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.

In the case of Smart Operation Panel models (Full Native mode):

Application	Version	Note
ELP NX	V1.x	Smart Operation Panel application.

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#### Vote 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.

#### Uninstallation of FR Filter

#### V Note

- Note that using Remote Install Manager will uninstall the FR Filter automatically for 08A or later models.
- When uninstall "ELP-NX (F12)", this procedure is not necessary.
- 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 <sup>™</sup> 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].
- 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.

Vote Note

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

#### SP Mode Cancellation (Only Full native mode)

Restore the SP values described below. In the case of Smart Operation Panel models, press the [x] button on the login screen and select the [Printer] icon after logging out, and then go in to SP mode (Special Service). It is not possible to log in to SP mode (Special Service) from User Tools or Quick application (such as Quick Copy) and when logged into the device.

- SP1-001-016 bit6 [1] → [0] \*SP mode (Special Service)
   ↓ Note
  - The machine should be rebooted after the settings are changed.
  - If SP1-101-016 bit6 remains [1], print jobs will still be stored in device even after uninstalling ELP.

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

Priority Feature Cancellation

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

V 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. (IF 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.
  - Vote
    - The initial value of login is as follows:
    - Login user name: admin
    - Password: [blank]



3. Click [Configuration] in the left menu.



- 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

Vote Note

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

- 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 1<sup>st</sup> reboot that require a 2<sup>nd</sup> reboot to enable).

### Procedure for changing the HDD

- 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.

Vote 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.

- 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.
- 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.

#### Reissued: 28-January-16

Model: Enhanced Locked Print NX v2	Date: 12-Mar-12	No.: RD602008m

- 3. Disable the Java VM (SP5-730-001: [1] -> [0]). Then restart the device.
- 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.

- 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.
  - Vote 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.

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#### Reissued: 26-Dec-18

Model: Enhanced Locked Print NX v2 with CAP	Date: 12-Mar-12	No.: RD602009q

#### **RTB Reissue**

The items in *bold italics* were corrected or added.

Subject: Enhanced Locked Print NX v2 with CAP Installation Manual		Prepared by: Kohsuke Tomoyama		
From: Solution S	upport Sect., Solution Suppor	rt Dept.		
Classification:	<ul> <li>Troubleshooting</li> <li>Mechanical</li> <li>Paper path</li> <li>Product Safety</li> </ul>	Part informat Electrical Transmit/rec Other (		<ul> <li>Action required</li> <li>Service manual revision</li> <li>Retrofit information</li> <li>Tier 2</li> </ul>

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

#### Reissued: 26-Dec-18

Model: Enhanced Locked Print NX v2 with CAP	Date: 12-Mar-12	No.: RD602009q
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### Enhanced Locked Print NX v2 with CAP Installation Manual Document version: 1.4.0

### Main Chapters

Installation	
Installation	
Installation (Smart Operation Panel/WVGA/4.3-inch operation panel models)	
Installation (4-line MFP/4-line LP/LP)	
Installation (Pre-include model)	
When Migrate to Card Authentication Package v2 from v1v1	
Uninstallation	
Uninstallation	41
Uninstallation (Smart Operation Panel/WVGA/4.3-inch operation panel models)	41
Uninstallation (4-line MFP/4-line LP/LP)	
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Procedure for changing the HDD	50
Procedure for changing the controller board	50
Procedure for changing the Smart Operation Panel	51

Model: Enhanced Locked Print NX v2 with CAP	Date: 12-Mar-12	No.: RD602009p
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### Installation

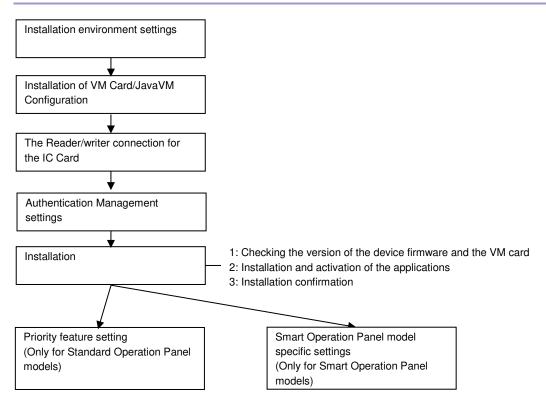
### Installation

Before installation, please make sure the firmware (GW firmware, Java VM, 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 (Smart Operation Panel/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.

\* See below for 15S or later Smart Operation Panel models:

[User Tools] -> [Machine Features] -> [System Settings] on [User Tools] screen. Please follow this operation when you are to change the settings in [System Settings] which are explained in the later sections of this document.

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Model: E	Enhanced Locked Print NX v2 with C	CAP	Date: 12-Mar-12	No.: RD6020	009p
Item	Detailed de	escriptions		Default/Remarks	
Host Name	Set the host name shown on [Interface Settings] tab. This setting is performed on the screen keyboard.			-	
	Features     Settings     Settings       Network	n <mark>gs  </mark> Transfer	Tools Print List		
	SMB Computer Name	Ping	9 Command		l
	SMB Work Group WORKGROUP	Permit SNMPv3 Comm	unication Encryption / Cleartext		l
	Ethernet Speed Auto Select	Permit SSL / TLS Comn	nunication Ciphertext Priority		l
	IEEE 802.1X Authentication for Ethernet Inactive	Host Name			l
	Restore IEEE 802.1X Authentication to Defaults	Machine Name			l
		2/2			l
	Logged in Machine Administrator	äystem Status 🛛 Job List	25 MAY 2011 9:06 gloria_a003a		
	Host Name		Cancel OK		l
	Enter host name, then press [OK].				l
		0/63 ← →	Backspace Delete All		l
	<u>1 2 3 4 5 6</u>	7 8 9	0 - =		l
	q w e r t y	u i o	P [ ] \		l
	a s d f g h	j k l	; • -		
	z x c v b n	m , .	/ @		ļ
	Shift Lock Shift Space				l
	Text Entry User Text				l
	2	System Status Job List	25 MAY 2011 9:12 gloria_a004a		

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Model: En	hanced Locked Print NX v2 with CA	NP E	Date: 12-Mar-12	No.: RD602009p
Item	Detailed de	scriptions		Default/Remarks
IP Address/ Subnet Mask	Set the IP address and the subre [Machine IPv4 Address] in [Interfa For setting, press [Specify] and [ addresses with the 10-key.	-		
	C System Settings		Exit	
	General Tray Paper Timer Interfac Features Settings Settings Settings		ninistrator Tools	
	Network		Print List	
	Machine IPv4 Address 192, 168, 0, 1	DDNS Configuratio	on Active	
	IPv4 Gateway Address 133.139.166. 1	IPsec	Inactive	
	Machine IPv6 Address	Domain Name	2003DS.gts	
	IPv6 Gateway Address :: IPv6 Stateless Address Autoconfiguration Active	WINS Configuratio	on On Ve Protocol	
	IPv6 Stateless Address Autoconfiguration Active DNS Configuration Specify	NCP Delivery Proto		
		1/2	Previous     Vext	
	Logged in: Machine Administrator	vstem Status Job List	25 MAY 2011 9:13 gloria_a005a	
	🔞 System Settings		Exit	
	Machine IPv4 Address		Cancel OK	
	Select item.			
	Auto-Obtain (DHCP) Specify	MAC Address	00:00:74:fb:82:16	
	►Machine IPv4 Address 192. 168. 0.	5 Change	J	
	▶Subnet Mask 255, 255, 255.	0 Change	]	
			-	
			25 MAY 2011	
	الآ	vstem Status 🦳 Job List	25 may 2011 9:15 gloria_a006	

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Model: En	Enhanced Locked Print NX v2 with CAP Date: 12-Mar-12			No.: RD602009p
Item	Detailed de		Default/Remarks	
Default Gateway	Set the address that appears wh [Interface Settings] tab is selecte For setting, enter the address with System Settings General Tray Paper Timer Setting Reatures Settings Interface Network Machine IPv4 Address 192, 168, 0, 1 [Inv4 Gateway Address 192, 168, 0, 1] Machine IPv6 Address	rd. th the 10-key returns of File	Administrator Tools Print List ation Active Inactive	-
	IPv6 Gateway Address :: IPv6 Stateless Address Autoconfiguration Active	WINS Configu	ation On On	
	DNS Configuration Specify	NCP Delivery Pr		
		1,		
	Logged in: Machine Administrator	ystem Status 📃 Job List	25 MAY 2011 9:13 gloria_a007a	
	System Settings		Exit	
	General Tray Paper IPv4 Gateway Addres Features Enter value with the Network	s Number keys, then press	Cancel OK [OK].	
	Machine IPv4 Address IPv4 Gateway Address 192.169.	). 1	Clear	
	Machine IPv6 Addr IPv6 Gateway Address IPv6 Stateless Address Autoconfiguration DNS Configuration	.   	Ctear	
	Logged in. Mashine Administrator	ystem Status 🛛 Job List	25 HAY 2011 13:27 gloria_a008	

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Model: E	nhanced Locked Print NX v2 with C	AP	Date: 12-Mar-12	No.: RD602009p
Item	Detailed descriptions			Default/Remarks
DNS Server 1/DNS Server 2/DNS	Set the server address that apper in [Interface Settings] tab is select For setting, press [Specify] and [ address with the 10-key.	-		
Server 3	General Tray Paper Timer Inter fa Settings Settings Settings		Exit Tools	
	Network		Print List	
	Machine IPv4 Address Auto-Obtain	DDNS Configurat	ion Active	
	IPv4 Gateway Address 133.139.166. 1	IPsec	Inactive	
	Machine IPv6 Address	Domain Name		
	IPv6 Gateway Address :: IPv6 Stateless Address Autoconfiguration Active	WINS Configurat	ion On	
	DNS Configuration Specify	NCP Delivery Prot		
		1/2	A Previous Vext	
	Logged in. Machine Administrator	ystem Status 🛛 Job List	25 MAY 2011 9:13 gloria_a009b	
	C System Settings		Exit	
	DNS Configuration		Cancel OK	
	Enter value with the Number keys, then press $\oplus$ .			
	Auto-Obtain (DHCP) Specify			
	►DNS Server 1 0. 0. 0.	0 Change	$\leftarrow \rightarrow$	
	►DNS Server 2 0. 0. 0.	0 Change	1	
	►DNS Server 3 0. 0. 0.	0 Change		
			Clear #	
	Logged in. Medhine Administrator	ystem Status 🛛 Job List	25 MAY 2011 9:30 gloria_a010	

### Reissued: 16-Feb-18

Model: E	nhanced Locked Print NX v2 with C	AP	Date: 12-Mar-12	No.: RD602	009p
Item	Detailed descriptions			Default/Remarks	
Domain Name	Set the name that appears when Settings] tab is selected. For setting, press [Specify] and [ name with the screen keyboard.	-		-	
	General Tray Paper Timer Interfa Features Settings Setting		ministrator		
	Network		Print List		
	Machine IPv4 Address Auto-Obtain IPv4 Gateway Address 133.139.166. 1	DDNS Configurati IPsec	on Active Inactive		
	Machine IPv6 Address	Domain Name	Indective		
	IPv6 Gateway Address ::	WINS Configurati	on On		
	IPv6 Stateless Address Autoconfiguration Active	Effect	ive Protocol		
	DNS Configuration Specify	NCP Delivery Proto	col TCP / IP Priority		
		1/2			
	Logged in: Machine Administrator	stem Status 🦳 Job List	25 MAY 2011 9:13 gloria_a011a		
	🔯 System Settings		Exit		
	Domain Name		Cancel OK		
	Select item.				
	Auto-Obtain (DHCP) Specify				
	▶Domain Name ricoh.com	Change			
			-		
	Loged in: Meshine Administrator	tem Status Job List	10 AUG 2011 10:52 gloria_a080		

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

Item	Detailed descriptions	Default/Remarks
Auto Logout Timer	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.	Default: [Off]

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#### Reissued: 16-Feb-18

Model: Enhanced Locked Print NX v2 with CAP	Date: 12-Mar-12	No.: RD602009p

#### Installation of VM Card

Vote 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".
- If JavaVM is not installed to the device, this procedure is not necessary. In this case, please proceed to the "IC Card Reader/Writer Connection (NFC R/W)".
- 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 <sup>™</sup> Platform is installing or activating.
- Set [System Auto Reset Timer] to [Off] in [User Tools / Counter / Enquiry] screen → [System Settings] → [Timer Settings] tab.

Vote Note

3.

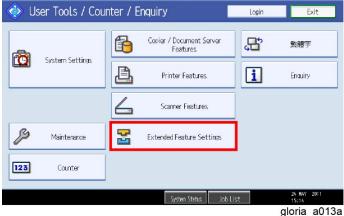
- This setting should be restored after the installation.
- Turn off the main power of the device.
- 4. Insert the VM card into the SD card slot.

🔸 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 <sup>™</sup> 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] in [User Tools / Counter / Enquiry] screen.

😤 Extended Feature Setting Men	u	Exit
Extended Feature Settines	JavaTN Platform	
		26 MAY 2011
	System Status Job List	15:44
		<sup>24 MAY</sup> <sup>2011</sup> 15:44 Ioria_a014a

8. Confirm on [Extended Feature Setting Menu] screen that [JavaTM Platform] appears after the installation is completed normally.

#### JavaVM Configuration

1. Press [User Tools/Counter] button.

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

🗄 Extended Feature	Settings			Exit
Startup Setting Install Select item(s) to set. Copy Extended Features Copy Card Save Data Web Installation Settings	Heap / Stack Size So Specify size(s). >Heap Size <2 MB 16 MB >Stack Size <32 k 64 kB	to 16 MB> Change Resto 3 to 128 KB>	Cancel ore Defaults ore Defaults	OK
Heap / Stack Size Settings	Free Total	System Memory 44,453,888 289,173,504	Heap 12,274,296 16,777,216	
E-mail sending data error.		System Status Job Lis-		29 MAY 2014 15:12

gloria\_a015

Set the heap size and stack size.

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

4. Press the [Administrator Tools] tab, and then press [Select Available Functions].

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Model: Enhanced Locked Print NX v2 with CAP Date: 12-Mar-12 No.: RD602009p

#### 5. Set [PanelService API] as [Active].

🛃 Extended Feature	Settings	1/2	► Exit
Select Available Functions		Cano	el OK
Select [Active] or [Inactive] for ea	ach function.		
▶ PanelService API	Active	Inactive	
▶ Kerberos	Active	Inactive	
► PC/SC	Active	Inactive	
▶ JNDI/LDAP	Active	Inactive	
▶ Activation	Active	Inactive	

- 6. Finish the initial settings.
- 7. 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.

#### IC Card Reader/Writer Connection

#### 🔸 Note

The installation should be executed after the main power is turned off.

#### 🔸 Note

- Connect the USB cable to the left USB port for Aficio MP C5000/C4000/C3300/C2800, Aficio MP C2550/C2050.
- For other machines, either port can be connectable.
- With Smart Operation Panel models, connect to the USB port of the device as with Standard Operation Panel models.
- If your customer uses a NFC card reader, please refer to "IC Card Reader/Writer Connection (NFC R/W)" section for how to connect.

#### IC Card Reader/Writer Connection (NFC R/W)

#### 🔸 Note

NFC R/W can be used with 15S or later Smart Operation Panel models.

1. Remove the cover at the right side of the Panel.



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Connect a NFC R/W to the micro USB port. 2.

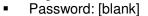


#### Authentication Management Settings

1. Log in to the device as an administrator.

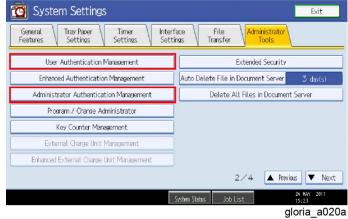
V Note

- The initial value of login is as follows: .
- Login user name: admin .





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



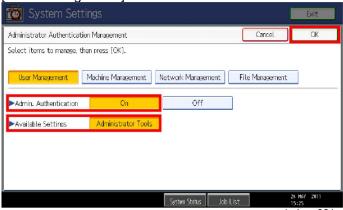
3. Press [Administrator Tools] tab, and set the items below. [Administrator Authentication Management] [User Authentication Management]

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#### 1) Administrator Authentication Management

#### [User Management]



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- 1. Select [On] at [Admin. Authentication].
- 2. Press [Administrator Tools] at [Available Settings].
- 3. Press [OK] in the upper-right of the screen to enable the changes.

#### [Machine Management]

🔞 System Setti	ngs			Exit
Administrator Authenticatio	n Management		Cancel	OK
Select items to manage, the	n press [OK].			
User Management	Machine Management	Network Management	File Management	
►Admin. Authentication	On	Off		
►Available Settings	General Features	Tray Paper Settings	Timer Settings	
	Interface Settings	File Transfer	Administrator To	ols
	Maintenance			
		System Status Job L	ist	24 MAY 2011 15:28
			glo	oria a022a

- 1. Select [On] at [Admin. Authentication].
- Press the following items at [Available Settings]. [General Features] [Tray Paper Settings] [Timer Settings] [Interface Settings] [File Transfer] [Administrator Tools] [Maintenance]
- 3. Press [OK] in the upper-right of the screen to enable the changes.

### Reissued: 16-Feb-18

Model: Enhanced Locked Print NX v2 with CAP	Date: 12-Mar-12	No.: RD602009p
[Network Management]		
System Settings		
Administrator Authentication Management Cancel OK Select items to manage, then press (OK).		
User Management Machine Management Network Management File Management		
Admin. Authentication         On         Off           Available Settings         Interface Settings         File Transfer         Administrator Tools		
System Status (ch Jist 29 MW 2011		

gloria\_a023a

- 1. Select [On] at [Admin. Authentication].
- 2. Press the following items at [Available Settings]. [Interface Settings] [File Transfer] [Administrator Tools]
- Press [OK] in the upper-right of the screen to enable the changes.

### [File Management]

System Settings	,			Exit
Administrator Authentication Manag	ement		Cancel	OK
Select items to manage, then press	[OK].			
User Management Machine	Management	Network Management	File Management	
►Admin. Authentication	On	Off		
►Available Settings Adm	nistrator Tools			
		System Status Job L	ist	24 MAY 2011 15:30
			glo	oria_a024a

- 1. Select [On] at [Admin. Authentication].
- 2. Press [Administrator Tools] at [Available Settings].
- 3. Press [OK] in the upper-right of the screen to enable the changes.

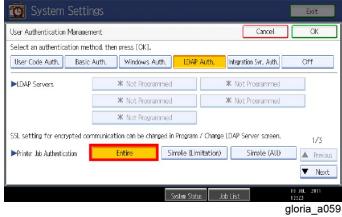
#### Reissued: 16-Feb-18

Model: Enhanced Locked Print NX v2 with CAP	Date: 12-Mar-12	No.: RD602009p	

#### 2) User Authentication Management

1. Confirm whether the method of the authentication is "Custom" or "LDAP"\*. \* The displayed authentication type changes depending on a model.

#### 2. Select [Entire] at [Printer Job Authentication].



#### 3. Select [None] at [Available Functions: Copier]

🔞 System	Settir	ngs				Exit
User Authentication	Managerr	nent			Cancel	ОК
Select an authentica	tion met	hod, the	n press [OK].			
User Code Auth.	Basic	Auth.	Windows Auth.	LDAP Auth.	Integration Svr. Auth.	Off
Copier		Full	Colour / Two-colour Two-colour / Sine Single Colo		<&White	2/3
		BI	ack & White Only		None	A Previous
						<ul> <li>Previous</li> <li>Next</li> </ul>
				ysten Status	Job List	24 MAY 2011 15:36
						gloria a02

- 4. Select [None] at [Available Functions: Printer].
- Cancel the following items at [Available Functions: Other Functions]. [Document Server] [Facsimile] [Scanner] [JavaTM/X]
- 6. Press [OK] in the upper-right of the screen to enable the changes.

System Sett	ings			Exit
User Authentication Manage	ment		Cancel	ОК
Select an authentication me User Code Auth. Basi	ethod, then press [OK]. c Auth. Windows Autl	n. LDAP Auth.	Integration Svr. Auth.	Off
Printer	Colour / Black & White	Black & White	None	
Other Functions	Document Server	Facsimile	Scanner	
	JavaTM/X			
►Login Name Attribute	sAMAccountName		Change	3/3
►Unique Attribute			Change	▼ Next
Logged in: Machine Administrator		System Status Job		24 MAY 2011 15:58
			gle	oria a026a

#### Reissued: 16-Feb-18

Model: Enhanced Locked Print NX v2 with CAP	Date: 12-Mar-12	No.: RD602009p

7. Turn off and on the main power, after the settings of [Administrator Authentication Management] and [User Authentication Management] are finished.

With 15S or later Smart Operation Panel models, cancel the all items beside [Available Functions] (Do not follow Step 3-6 above).

System Settings			Exit	Re	eset	\$
User Authentication Management		Cancel	OK	1	2	3
Select an authentication method, th User Code Auth. Basic Auth.	en press [OK]. Windows Auth. LDAP Auth.	Off		4	5	6
► Available Functions	Copier Document Server	Fax		7	8	9
	Printer Scanner	Browser		./*	0	#
►Login Name Attribute		Change	2/2	С		
►Unique Attribute		Change	Previous     Next			
L					Start	
				_		
Check Status	5 <b>^</b>			Ø	Sto	р

#### Installation of Enhanced Locked Print NX V2 with CAP

Install the following applications using Remote Install Manager to install Enhanced Locked Print NX V2 with CAP. For the installations procedures of these applications, see the service manual of Remote Install Manager. (Install Manager)

#### V 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.

#### Vote Note

- In the case of Smart Operation Panel models (Hybrid mode), it is necessary to install 3 modules for CAP before activation when conducting offline installation:
  - CAP V2 Z11
  - CAP User Config.\*1
  - > CAP NFC Plug-in \*2

\*1 The CAP User Config. Tool is used only when the authentication type is Local DB or CAP-ES (Internal user). If the authentication type is AD, LDAP, or CAP-ES (only external user), it is not necessary to install the module for CAP User Config. Tool. \*2 CAP NFC Plug-in is used for the card authentication between a NFC card reader and 15S or later Smart Operation Panel models.

#### Vote 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 also refer to the RTB "Enhanced Locked Print NX v2 Installation to 12A Models (MET-C1, CH-C1, OR-C2)". Other models (11A or earlier and 12A or later models) are not affected.

#### Reissued: 16-Feb-18

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Vote Note

 If installing "ELP-NX with CAP (F12)" (Full Native mode), "Remote Install Manager v1.7.4" or later version is required.

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

Application	Version	Note
CAP V2 MP11/MP21/MP31/SP31	V2.x	MP11 (WVGA models) MP21 (4-line LCD LP models) MP31 (12A or older 4.3-inch operation panel MFP models) SP31 (12S or later 4.3-inch operation panel LP models)
ELP-NX V2 MP11/MP12/MP13 /MP31/SP31/MP33/SP13	V2.x	MP11 (12S or older WVGA models) MP12 (12A or later WVGA models) MP13(Only for Ricoh Asia Pacific. It needs to be installed offline. Target devices: Metis-C2 / Charis-C2 / Martini-C6 / Griffin-C2 / Corona-C1.5) 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)
CAP LAUNCHER	V2.x	
САР	V2.x	
ELP NX	V2.x	
CAP REG	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
CAP V2 Z11	V2.x	
ELP-NX V2 Z12	V2.x	
САР	V2.x	
ELP Service	V2.x	
FR Filter	V1.x	
ELP NX	V1.x	Smart Operation Panel application.
CAP V2 Auth. UI	V1.x	Smart Operation Panel application.
CAP User Config.	V1.x	Smart Operation Panel application.
CAP NFC Plug-in	V1.x	Smart Operation Panel application. Only for v2.3.0 or later.

#### Reissued: 16-Feb-18

Мс	Model: Enhanced Locked Print NX v2 with CAP			Date: 12-Mar-12	No.: RD602009p	
	In the case of Smart Operation Panel (Full Native mode):					
	Application	Version	Note			
	ELP NX	V1.x	Smart Operation Panel application.			
	CAP V2 Auth. UI	V1.x	Smart Operation Panel application.			
	CAP User Config.	V1.x	Smart Operation Panel application.			
	CAP NFC Plug-in	V1.x	Smart Operation Panel application.			
	CAP Java Card Plug-in	V1.x	Smart Operati	on Panel application.		

#### Installation of FR Filter

#### Vote Note

- Note that using Remote Install Manager will install the FR Filter automatically for 08A or later models.
- When installing ELP-NX with CAP (F12), FR Filter is not installed but the function of "EGS" module in the controller is enabled.
  - \* SP mode (Special Service) "1-001-016": bit6 [0] 🦻 [1]
- 1. Press [User Tools/Counter] button.
- 2. Press [Extended Feature Settings] in [User Tools / Counter / Enquiry] screen.
- 3. Confirm on [Extended Feature Setting Menu] screen that [JavaTM Platform] appears.
  - If [JavaTM Platform] is not shown, the Java <sup>™</sup> Platform has not activated yet. Wait for a while until [JavaTM Platform] appears.
- 4. Press [Extended Feature Settings].
- 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.

Model: Enhanced Locked Print NX v2 with CAP	Date: 12-Mar-12	No.: RD602009p
Activation Check		

- 1. After installing CAP v2 and ELP-NX v2 via Remote Install Manager, please wait 5 minutes before confirming the activation (step 3) because the start process is performed internally.
- 2. In the case of CAP v2 (Hybrid mode), restart the device manually to enable authentication internally.
- 3. Press [User Tools/Counter] button, and then press [Extended Feature Settings].

Is 🧇 Us	ser Tools / Cou	nter / E	Enquiry	Login	Exit
Ċ	System Settings	ß	Copier / Document Server Features	<b>.</b> #	繁體字
		6	Printer Features		Enquiry
ß	Maintenance	2	Extended Feature Settings		
123	Counter				
			System Status Job	List	24 MAY 2011 15:14 gloria_a013a
🗄 Ex	tended Feature	Setting	g Menu		Exit
	Extended Feature	Settings		JavaTM Platform	
			System Status Job	List	24 MAY 2011 15:44 gloria_a014a

- 4. Confirm on [Extended Feature Setting Menu] screen that [JavaTM Platform] appears.
  - If [JavaTM Platform] is not shown, the Java <sup>™</sup> Platform has not activated yet. Wait for a while until [JavaTM Platform] appears.
- 5. Press [Extended Feature Settings].

\overline 🛛 Ex	ktended	d Featur	e Settings			Exit	苦 Extende	d Featur	e Settings			Exit
Startup Setting		Install		ange Extended cation Feature Info	Administrator Tools		Startup Setting	Install		nange ocation Feature Info	Administrator Tools	
Select exte	ended feat	ture(s) to st	art or stop.				Select extended fea	ture(s) to st	art or stop.			
Priority	Status	Туре	Extended Feature Name	Description	Version	Startup Location	Priority Status	Туре	Extended Feature Name	Description	Version	Startup Location
Priority Sus	ispend	Type-J	GS-NX (NI)	GlobalScan NX (N)	1.5.2.0	SD Card Slot 2	Priority Suspend	Type-J	ELP NX	Build 0.68	2.0.0	SD Card Slot 2
Priority Sta	arting Up	Type-J	CAP V2 MP11		2.0.0	SD Card Slot 2	Priority Stop	Type-J	CAP REG	Card Registration T.	2.0.0	SD Card Slot 2
Priority Sta	arting Up	Type-J	ELP-NX V2 MP11		2.0.0	SD Card Slot 2	Starting Up	Туре-С	JavaTM Platform	Extended Feature(Ja.	4.23.00	SD Card Slot 2
Priority Sus	ispend	Type-J	CAP LAUNCHER		2.0.0	SD Card Slot 2	Waiting	Туре-С	FR Filter	Build 0.48 (x86)	1.0.0.0	Machine HDD
Priority Sta	arting Up	Type-J	CAP		2.0.0	SD Card Slot 2						
					1/2 🔺 Pre	iaus 🔻 Next				Z	/2 🔺 Prev	viaus 🔍 Next
Logged in: Me	lachine Admini	strator		System Status Job L	ist	18 JUL 2011 13:17				System Status 🛛 Job Liist		18 JUL 2011 13:17
					g	loria_ap004					ç	loria_ap005

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#### 6. 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
CAP V2 MP11/MP21/MP31/SP31	Starting Up
ELP-NX V2 MP11/MP12/MP31/SP31	Starting Up
CAP LAUNCHER	Suspend Note The Launcher is disabled by default. Please set it as the "Priority" application to enable it. The Launcher is not supported on 4.3-inch operation panel models.
САР	Starting Up
ELP NX	Suspend
CAP REG	Stop
JavaTM Platform	Starting Up
FRFilter	Waiting

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

Application	Status
CAP V2 Z11	Starting Up
ELP-NX V2 Z12	Starting Up
САР	Starting Up
ELP Service	Starting Up
JavaTM Platform	Starting Up
FR Filter	Waiting

In the case of Smart Operation Panel (Hybrid mode & Full Native mode), please also check whether the following applications are installed in User Tools  $\rightarrow$  Screen Features  $\rightarrow$  Screen Device Settings Information  $\rightarrow$  Software Version List:

Application	Note
ELP NX	
CAP V2 Auth. UI	
CAP User Config.	
CAP NFC plug-in	Only for ELP-NX with CAP v2.3.0 or later.

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#### In the case of Smart Operation Panel (Full Native mode):

Application	Note
ELP NX	
CAP V2 Auth. UI	
CAP User Config.	
CAP NFC plug-in	
CAP Java Card Plug-in	Only for ELP-NX with CAP v2.5.0 or later.

#### 🔸 Note

The following SP modes are automatically set whenever the applications are started up (Every time when the machine power is turned on). In the case of Smart Operation Panel models, press the [x]button on the login screen and select the [Printer] icon after logging out, and then go in to SP mode. It is not possible to log in to SP mode from User Tools or Quick application (such as Quick Copy) and when logged into the device.

- SP5-401-103: [0] 🦻 [3] .
- SP5-401-162<sup>\*1</sup>: bit0 [0]  $\rightarrow$  [1], bit3 [0]  $\rightarrow$  [1] <sup>\*2</sup>, bit5 [0]  $\rightarrow$  [1] SP5-401-230: bit0 [0]  $\rightarrow$  [1], bit3 [0]  $\rightarrow$  [1] <sup>\*3</sup> .
- .
- SP5-401-240: bit0 [0] → [1]
- SP1-001-016: bit6 [0] [1] \* SP mode (Special Service)

\*1 The bit6 of SP5-401-162 is changed from [0] to [1] at the first time when an IC card is touched. However, this is a normal action.

The value of SP5-401-162 will not be changed by installing "ELP-NX with CAP (F12)"

<sup>\*2</sup> It changes automatically when "Card Login Method" is set to "Enter Password from the Control Panel".

<sup>\*3</sup> It changes automatically when the Billing Code function is used.

#### Model: Enhanced Locked Print NX v2 with CAP Date: 12-Mar-12 No.: RD602009p [Standard Operation Panel model] Priority Feature Setting This setting is not required with Smart Operation Panel model. 1. Press [User Tools/Counter] button, and then press [System Settings]. C System Settings Exit Interface Settings Administrator Tools Tray Paper Settings Timer Settings File Transfer General Features Program / Change / Delete User Text Output: Copier Internal Tray 1 Panel Key Sound Output: Document Server Warm-up Beeper Copy Count Display Output: Printer Internal Tray 1 Function Priority Copier System Status/Job List Display Time Print Priority Display Mode Key Repeat Function Reset Timer 3 second(s n: Machine Administrat System Status Job List 24 MAY 16:01 gloria a027 2. Press [General Features] tab, and then press [Function Priority]. 🔞 System Settings Exit Tray Paper Settings Function Priority Cancel OK Select item, then press [OK]. Program / Change / Delet Copier Document Server Panel Key Sound Printer JavaTM/X Scanner Warm-up Beeper Copy Count Display

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System Status

Job List

**Icon Setting (Only for 15S or later Smart Operation Panel models):** ELP-NX and CAP User Config. Tools can be displayed on Home screen.

1. Log in to the MFP as an Administrator.

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

[Smart Operation Panel model] Specific settings

Print Priority Function Reset Timer

3.

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2. Press the square button on the right side of the panel.
Machine Administrator

<b>S</b>	8	5	<b>1</b>	
Copier (Classic)	Scanner (Classic)	Printer (Classic)	Fax (Classic)	
Document Server				
			Change Language	
	ксм	Y		
Check Status	<b>*</b>		0	Stop

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3. Press and hold the ELP NX and CAP User Config.icon under [APPS] tab. This operation will locate the icon on Home Screen.



#### Icon Setting (Only for 15S or before Smart Operation Panel models):

ELP-NX and CAP User Config. Tool can be displayed on Home screen.

- 1. Log in to the MFP as an Administrator.
- 2. Press and hold Home screen. The [Add to Home] screen will appear.
- 3. Select [lcon].



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Rei	ssued: 16-Feb-1	8				
Mo	del: Enhanced Lock	ked Print NX	v2 with CAP	Date: 12-Ma	ar-12	No.: RD602009p
4.	Select [Application] Select Icon Select Ic	lication				
5.	Web Browser Select [ELP NX]. If Select Application CAP User Co OcsConnect	CAP User C nfig.	onfig. Tool is insta	alled, please also s	select [CAF	P User Config.].
6.	ELP NX and CAP L	Jser Config. I Quick Fax	Quick Scanner	ELP NX ELV NX AP User Config.		
		59	K C C M	•		

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Model: Enhanced Locked Print NX v2 with CAP	Date: 12-Mar-12	No.: RD602009p

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

1. Shift to Screen service mode.

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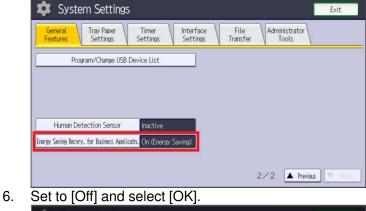
For information on how to enter Screen service mode, contact the supervisor in your branch office.

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

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

If the setting is "On", login or job list acquisition may be little slow 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.].



 
 System Settings
 Exit

 General Pettures
 Tray Paper Settings
 Energy Saving Recovery for Rusiness Application
 Cancel
 OK

 Program/Change USB De
 Off
 On (Energy Saving)
 >

 Human Detection Sensor
 Yill [On] is set only applications rot using machine may take some time as it has to be started up before being used.
 >

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### Priority Feature Setting (For Compatibility / Hybrid mode):

It is possible to select either CAP LAUNCHER (only for compatibility mode) or ELP NX as a default application when a user logs in to the device.

How to configure Function Priority:

- 1. Log in to the MFP as an Administrator.
- Select [Screen Features].
   \*With 15S or later models, select [User Tools] -> [Screen Features]

models, sele	ci loser 100	is] -> [Screen	ггеа
		Logout	C
Fax	Scanner	Browser	
Address Book Management	User Tools	Screen Features	
		irin R	
	-		
	Fax Fax Address Book Management	Fax Fax Address Book	Image: Second

3. Select [Screen Device Settings].

4.

Administrator	Logout	(
Screen Features		
🔒 Security		
Storage		
🔺 Keyboard		
<ul> <li>Screen Device Settings Information</li> </ul>		
🔅 Screen Device Settings		
Select [Function Priority].		
Machine Administrator	Logout	C
Screen Device Settings		
Export Screen Setting Information		
Import History		
Server Settings		
Function Priority		
Initialize Screen Features Settings		

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5. In the case of Compatibility mode, select [ELP NX] or [CAP LAUNCHER]. In the case of Hybrid mode, select [ELP NX].

Machine Administrator	Logout	C
Function Priority		
Fax		$\bigcirc$
Printer		
Browser		$\bigcirc$
Browser		
Browser		$\bigcirc$
ELP NX		$\bigcirc$
CAP LAUNCHER		$ \bigcirc $

#### In the case of Compatibility mode:

#### In the case of selecting CAP LAUNCHER for Function Priority:

It is possible to register IC cards automatically. It is not possible to display the Job list screen directly after logging in.

#### In the case of selecting ELP NX for Function Priority:

It is not possible to register IC cards automatically. It is possible to display the Job list screen directly after logging in. To register an IC card, please use CAP REG. If CAP LAUNCHER is used, an authentication error will occur when an unregistered IC card is swiped.

For details, please refer to the Technical Reference for CAP V2  $\rightarrow$  Configuration.ppt  $\rightarrow$  Appendix. GK FAQID:179654 [TR] CAP/ELP-NX/CAP-ES/ELP-NX FS V2: Top page (RAC RE RA RCN )

#### Authentication priority mode (For Hybrid mode / Full Native mode):

When a device is in sleep mode, it takes more time for a user's job list to be displayed after the user swipes their IC card on Smart Operation Panel models for Hybrid mode than it does on Standard Operation Panel models and Smart Operation Panel models (Compatibility mode).

By setting the Authentication priority mode via the Screen service mode, the print job display for Hybrid mode is about as fast as the Standard Operation Panel models and Smart Operation Panel models (Compatibility mode). This setting means the HDD always starts within a designated time and it takes little time to authenticate the user information. However, this may negatively affect the TEC value (TEC = Typical Electricity Consumption). The procedure for setting it is as follows.

- 1. Shift to Screen service mode.
  - 🔸 Note
    - For information on how to enter Screen service mode, contact the supervisor in your branch office.
- 2. <u>Select [Screen Device Settings].</u>

Scree	Features	
<b>1</b>	Applications	
	Storage	
2	Voice input & output	
0	Screen Device Settings Information	
ø	Screen Device Settings	

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Model: Enhanced Locked Print NX	v2 with CAP	Date: 12-M	ar-12	No.: RD602009p
3. Select [Authentication priority m	iode].			
Le Service		Logout	(	
Screen Device Settings		_		
Server Settings				
Application Settings				
Authentication priority mode				
Panel Self Check				

4. Select [Start time(hhmm)] and enter the desired start time(hhmm). Also, select [Expiration time(hours)] and enter the desired expiration time(hours). It is possible to input the desired hour which is value of 1-10 hour(s).

Their settings mean that it is time for Authentication priority mode to start and expire.

📥 Service		Logout	C
Authentication priority mode	_	_	-
Authentication priority	mode		
Start time(hhmm)			€
Expiration time(hours)			
Check [Authentication	priority mode].		_
Service Authentication priority mode		Logout 🤇	
Authentication priority m	ode	~	
Start time(hhmm)			
Expiration time(hours)			

#### 6. Logout.

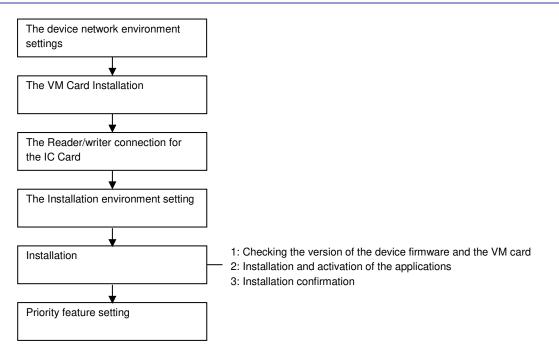
5.

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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

#### Installation of VM Card

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

Vote 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 <sup>TM</sup> Platform is installing or activating.
- 2. Turn off the main power of the device.
- 3. Insert the VM card into the SD card slot.

Vote 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 <sup>™</sup> Platform is installed automatically if the main power of the device is turned on after the VM card insertion.

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Μ	odel: Enhanced Locked Print NX v2 with CAP		Date: 12-Mar-12	No.: RD602009p
5. 6.		ce during ther the confi onitor. rator.	ne installation, otherwise	
	Reset Device Reset Printer Job	gloria_a061		
7.	Click [Configuration] in the left menu.	Setting		
8.	Click [Startup Setting] in [Extended Feature \$	gloria_a062 Settings1 m	ienu.	
	RICOH Aficio SP C320DN Web Image Monitor         Startup Setting         Back         Back       Image Monitor         Image Monitor       Image Monitor         Image Monitor         Image Monitor	Startup Location Startup Location So Card Stot 2		
9. 10.	Confirm that the status of [JavaTM Platform] Click [Back].		g Up].	
	Extended Feature Settings     Extended Feature Setting     FDF Fixed Password     FDF Fixed Password     FDF Fixed Password     Therface     Interface     Interface Settings     Administrator Tool     Additional Program     Unividal     Unividal     Additional Program     Unividal     Instal     Additional Program     Unividal     Extended Features     Additional Program     Unividal     Copy Extended Features     Appletalk     Copy Card Save Data	Setting		
11.	Click [Administrator Tools] in [Extended Feat		s] menu.	
	Apply         Back           Web Installation Settings         : Oon © Off           Web Installation Settings         : Oon © Off           HTTP Proxy         : Oon © Off           Pott         :	gloria_a065		
13. 14.	Set [Heap Size] to 16 MB, [Stack Size] to 64 Click [Apply]. Log out from Web Image Monitor. Select [Shutdown] from the menu of the devi	KB.		

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	ł	

Vote Note

- Never turn off the power of the device before the shutdown, otherwise the HDD may be damaged.
- 16. Turn off the main power.

Vote Note

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

#### IC Card Reader/Writer Connection

#### Vote Note

• The installation should be executed after the main power is turned off. Connect the IC card Reader/Writer to the device.

#### Authentication Management Settings

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

V Note

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



3. Click [Configuration] in the left menu.



4. Click [Administrator Authentication Management] in [Device Settings] menu.



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- 5. Check [On] at the following items. [User Administrator Authentication] [Machine Administrator Authentication] [Network Administrator Authentication] [File Administrator Authentication]
- 6. Click [OK] to enable the settings.

aei: Enn	anced Locked Prin	t NX v2 with CAP	Date: 12-Mar-12	No.: RD602009p
RICOH Afic	io SP C320DN Web Image Monitor	• • • • • • • • • • •		
Home Job Configuration	Configuration Pevice Settings System	Security Network Security Access Control EPP Authoritication = SS/TLS = Sta = Sta Cartificate = Device Cartificate = Device User Locidoux Policy	nfresh 🛞 🛆	
Click [Us	Condemand Email Interfaction     User Additional Interfaction     Administrator Additional Additional Interfactor     Program(Change Administrator     Firmware Update	setup RC Gate Update RC Gate Firmware gloria_ management] in [Device	e Settings] menu.	
RICOH Afic	io SP C320DN Web Image Monitor @ Mask [: : @ Apply @ Do not Apply	me (9, 12) i a * * ± Adm     Mask Length 129		
LDAP Authentication	ettings : @ Not programmed @ Not programmed @ Not programmed @ Not programmed @ Not programmed			
Login Name Attribute     Unique Attribute     Available Function     Copier     Color Copy Mode Lit     Printer     Other Function(s)	: [FAAAccountName : [FaAaccountName : [Falack & White   Single Color   Two initiation : @ Limit to Auto Color Selection @ Full Co : [Falack & White   Color : [Falack & White   Color : [Falack & White   Falack   Stanner   JavaTM/X			
<ul> <li>Unique Attribute</li> <li>Available Function Copier</li> <li>Color Copy Mode Lie</li> <li>Printer</li> </ul>	: SAMACCOUNTNAME : Single Color: Two skation : @ Limit to Auto Color Selection @ Fuil Co : Black a White Tooler : Document Server Fax Toconse JavaTM/X		a060	

- 9. Click [OK] to enable the settings.
   10. Log out from Web Image Monitor.
- 11. Select [Shutdown] from the menu of the device.
- 12. Turn off and on the main power.

### Installation of Enhanced Locked Print NX V2 with CAP

Install the following applications using Remote Install Manager to install Enhanced Locked Print NX V2 with CAP.

- ELP-NX V2 MP21/SP11
- ELP NX .
- FR Filter (08S or older models must install the FR Filter manually.)
- CAP V2 MP21/SP11
- . CAP LAUNCHER
- . CAP
- CAP REG

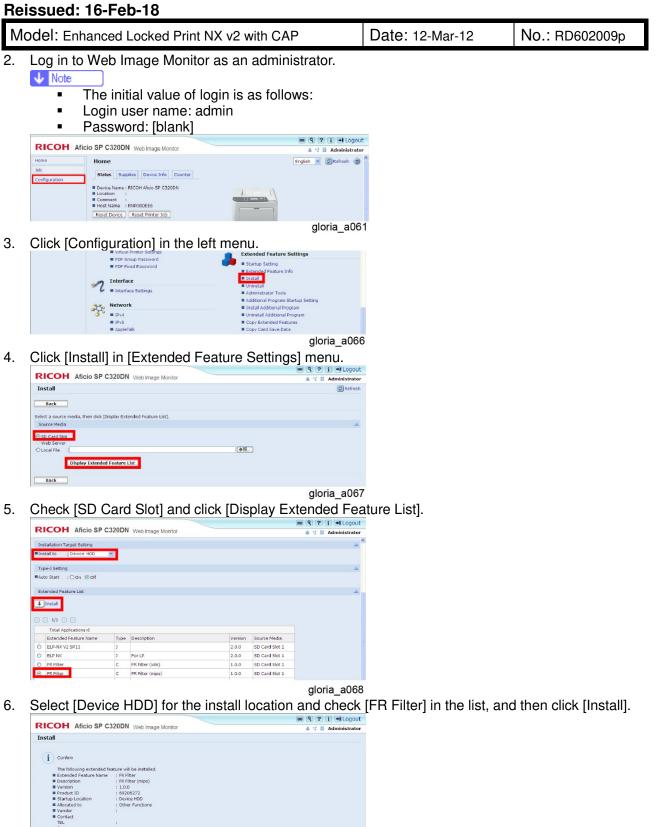
For the installations procedures of these applications, see the service manual of Remote Install Manager. (F Remote Install Manager)

#### Installation of FR Filter

V Note

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

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7. Click [OK] on confirmation screen.

OK Cancel

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Installation Check

- 1. After installing CAP v2 and ELP-NX v2 via Remote Install Manager, please wait 5 minutes before confirming the installation (next step) because the start process is performed internally.
- 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]

-		am 🭳 ? i 🏓 Logout	
RICOH	Aficio SP C320DN Web Image Monitor	🛔 📬 🗟 Administrator	
Home Job Configuration	Home Status Supplies Device Info Counter Device Name : RICOH Africe SP C320DN Location Comment : RNPOBDEEs Reset Device Reset Printer Job		
		gloria_a061	

3. Click [Configuration] in the left menu.

n **	Virtual Printer Sellings     PDP Group Password     PDP Fixed Password     Interface     Interface Settings     Network     IPId     Interface	Extended Feature Settings  Starbo Setting  Starbo Setting  Starbo Setting  Uninstall  Additional Program Uninstall Additional Program
	IPv6     AppleTalk	Copy Extended Features
		gloria a071

- 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
CAP V2 MP21/SP11	Starting Up
ELP-NX V2 MP21/SP11	Starting Up
САР	Starting Up
ELP NX	Suspend
CAP REG *	Stop
JavaTM Platform	Starting Up
FR Filter	Waiting

\* Appears only in 4-line devices, when CAP REG has been installed.

### **Priority Feature Setting**

1. Press [Maintenance] → [General Settings] → [Function Priority] from the menu of the device.

- 2. Select [Java TM/X].
- 🔸 Note
  - The procedure of this setting differs from devices so that see the service manual of the device.

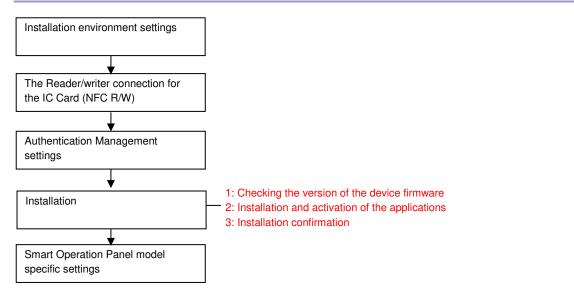
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#### Installation (Pre-include model)

18S or later models with Smart Operation Panel have CAP and ELP-NX installer in devices. CAP and ELP-NX can be installed to these models via Smart Operation Panel so Remote Install Manager is not required.

#### Installation Flowchart



### Installation Environment Settings

"Please refer to "Installation Environment Settings" in "Installation (Smart Operation Panel/WVGA/ 4.3-inch operation panel models)" section

#### IC Card Reader/Writer Connection (NFC R/W)

"Please refer to "IC Card Reader/Writer Connection (NFC R/W)" in "Installation (Smart Operation Panel/ WVGA/4.3-inch operation panel models)" section

#### Authentication Management Settings

"Please refer to "Authentication Management Settings" in "Installation (Smart Operation Panel/ WVGA/4.3-inch operation panel models)" section

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Installation of Enhanced Locked Print NX V2 with CAP		

The installation method of "ELP-NX" and "CAP" to 18S or later models with Smart Operation Panel models is as below.

- 1) Display the legacy application on Cheetah's operation panel, and login by operation SP mode.
- 2) Choose "Device" > "Apps".
- 3) Choose "Install"
- 4) Choose "Install From Internal Storage"
- 5) Install the following applications one by one (applications cannot be installed at the same time).
  - CAP V2 Auth.UI
  - CAP User Config.
  - CAP NFC Plug-in
  - CAP Java Card Plug-in
  - ELP NX

Application installation is now completed.

Next, activate the application.

- 6) Return to the screen in the step 4, choose "Activate Applications"
- 7) Choose the following applications one by one, and input the product key and "Execute" for each.
  - CAP V2 Auth.UI
  - ELP NX
- 8) After Activation is completed, restart the device.

#### Activation Check

"Please refer to Full Native mode of "Activation Check" in "Installation (Smart Operation Panel/WVGA/4.3-inch operation panel models)" section

[Smart Operation Panel model] Specific settings

"Please refer to "[Smart Operation Panel model] Specific settings" in "Installation (Smart Operation Panel/WVGA/4.3-inch operation panel models)" section

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### When Migrate to Card Authentication Package v2 from v1

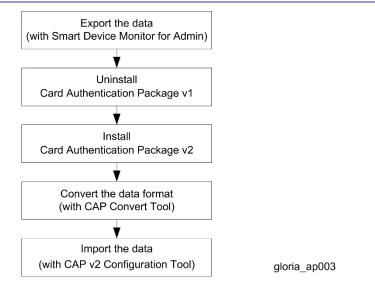
Migration from Card Authentication Package v1 to v2 requires the conversion of the user information from Card Authentication Package v1's format to v2's format.

The following explains the conversion procedure using CAP Convert Tool.

🔸 Note

For CAP Convert Tool, JRE v6.0 or later is required on the host PC.

#### **Conversion Flowchart**



### Export the Data

The following three files are required in order to convert the Card Authentication Package v1 data into v2 data.

- Card information file: card(date).csv
- User information file: (model name)\_user.csv
- Address information file: (model name)\_addr.csv

These exports have to be done before uninstalling v1.

#### 1) Export the card information

1. Click [Maintenance] to show [Card ID Mapping Maintenance] screen.

Back		
Export Card ID Mapping	Export	
Import Card ID Mapping:		参照
	Import	

gloria\_a051

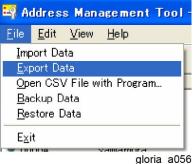
2. Click [Export].

The export operation creates a CSV file containing the card information. **Example:** cardmmdd.csv (mmdd: an exported month (mm) and day (dd))

Model: Enhanced Locked Print NX v2 with CAP	Date: 12-Mar-12	No.: RD602009p
) Export the user information		11011112002000p
Shift to Energy Save Mode		
Recover from Energy Save Mode		
Add to <u>G</u> roup Ctrl+D		
Delete Del		
Change Display Information Alt+Enter		
Web Browser Device Information		
<u>U</u> ser Management Tool		
Address Management Tool Accounting <u>R</u> eport Tool		
gloria_a052		
. Launch [User Management Tool] of Smart D	evice Monitor for Admin.	
🏠 User Management Tool - RICOH Aficio N	4	
<u>F</u> ile <u>E</u> dit <u>V</u> iew <u>H</u> elp		
I Q X 평 ⋧		
User Counter Information Access Control List		
gloria_a05 Select [Access Control List] tab.	53	
Select [Access Control List] tab. Select [Access Control List] tab. Select Management Tool - RICOH Aficio Market Select Access Control List]		
	<u>.</u>	
<u>Eile</u> <u>Edit View</u> <u>H</u> elp Export User Statistics List	-	
Edit CSV File Format of the User Statistics List	L	
Open CSV File with Program		
Export User Information		
Import User Information	.ī	
Exit	Ju	
gloria_a0		
. Select [Export User Information] from [File] r he user information is exported as a CSV file.	menu.	
Example (for an Aficio MP C5000): Aficio_MP	_C5000_user.csv	
) Export the address information		
<u>S</u> hift to Energy Save Mode <u>R</u> ecover from Energy Save Mode		
Add to Group Ctrl+D		
Delete Del		
Change Display Information Alt+Enter		
Web Browser Device Information		
<u>U</u> ser Management Tool		
<u>A</u> ddress Management Tool		
Accounting <u>R</u> eport Tool gloria_a055		
. Launch [Address Management Tool] of Sma		

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2. Select [Export Data] from [File] menu.

Three CSV files are created by the export process and one of them is needed for the conversion. **Example (for an Aficio MP C5000):** 

### Aficio\_MP\_C5000\_faxinfo.csv

Aficio MP C5000 taginfo.csv

Aficio\_MP\_C5000\_addr.csv (Only this file is needed for the conversion.)

#### Uninstall Card Authentication Package v1

For the Card Authentication Package v1 uninstallation, see the service manual for Card Authentication Package v1. (IF Card Authentication Package v1 Service Manual)

#### Install Card Authentication Package v2

For the Card Authentication Package v2 installation, install it with Remote Install Manager. See the service manual of Remote Install Manager. (IF Remote Install Manager)

#### Convert the Data Format

- 3. Before running CAP Convert Tool, put the tool and the files into the same directory.
  - CAP Convert Tool: DataConvertFromCap.exe
  - Card information file: card(date).csv
  - User information file: (model name)\_user.csv
  - Address information file: (model name)\_addr.csv
- 4. CAP Convert Tool is a command-line tool. Open a command prompt and switch to the directory where the files are located.
- 5. Enter the following command.

DataConvertFromCap.exe (User information file name) (Address information file name) (Card information file name) [Character-code]

🔸 Note

- If any character code is not specified, "Cp1252" will be used as a default.
- For a list of supported character encoding types, refer to the 2<sup>nd</sup> column of the following list:
- http://download.oracle.com/javase/1.5.0/docs/guide/intl/encoding.doc.html
- 6. A message is displayed when the conversion is complete. The message includes the following information:
  - User information registered (total item)
  - Convert user information items (succeeded)
  - Input format error items (failed)
  - Conversion error items (failed)

If there is no error, close the command prompt.

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		·	

#### Import the Data

A successful conversion creates the following two files:

- DataConvertFromCap.csv This is the user information file for Card Authentication Package v2. To import the data, use CAP v2 Configuration Tool.
- DataConvertFromCap.log This log contains the conversion results and the error information.

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## Uninstallation

Uninstallation

Uninstallation (Smart Operation Panel/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.

### [Smart Operation Panel model] Specific settings (Hybrid mode / Full Native mode)

Set "Authentication Priority mode (Hybrid mode / Full Native mode)" via the Screen service mode to off.

- 1. Shift to Screen service mode.
  - Vote Note
    - For information on how to enter Screen service mode, contact the supervisor in your branch office.
- 2. Select [Screen Device Settings]

🕹 Se	ervice	Logout	( (
Screen	n Features		
	Applications		
	Storage		
R	Voice input & output		
0	Screen Device Settings Informat	ion	
**	Caroon Douise Cattings		
\$	Screen Device Settings		
~		· · · · · · · · · · · · · · · · · · ·	
3.	Select [Authentication pri	iority model.	
• •	anica	· · ·	Logout
_	service In Device Settings		Logout
_	Service en Device Settings	<i>·</i> · ·	Logout
Scree	en Device Settings		Logout
Scree			Logout
Scree	en Device Settings erver Settings		Logout
Scree	en Device Settings		Logout
Scree	en Device Settings erver Settings		Logout
Scree	en Device Settings erver Settings		Logout
Scree	en Device Settings erver Settings oplication Settings		Logout
Scree	en Device Settings erver Settings oplication Settings		Logout
Scree	en Device Settings erver Settings oplication Settings uthentication priority mode		Logout
Scree	en Device Settings erver Settings oplication Settings uthentication priority mode		Logout

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#### 4. Clear the check box for [Authentication priority mode].

L Service	Logout	C
Authentication priority mode		
Authentication priority mode		
Start time(hhmm)		$\odot$
Expiration time(hours)		

#### 5. Logout.

#### Setting in the Device

- 1. Log in the device as an administrator.
- 2. Set [Enhanced Authentication Management]\* to [Off].
- \*[System Settings]->[Administrator Tools]->[Enhanced Authentication management]
  - The SC636 error will occur when ignoring the process above.

#### **Priority Feature Cancellation**

In the case of Standard Operation Panel models:

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

In the case of Smart Operation Panel models:

- Press the [Screen Features] button. Then, press [System Settings].
   \*With 15S or later models, select [User Tools] -> [Screen Features]
- 2. Press [Function Priority].
- 3. Select any item on the screen other than [ELP NX].

#### Authentication Management Settings

1. Log in the device as an administrator.

Vote Note

- The initial value of login data is as follows:
- Login user name: admin
- Password: [blank]
- Press [User Tools/Counter] button, and then press [System Settings].
   \*With 15S or later models, select [User Tools] -> [Machine Features] -> [System Settings]

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 Press [Administrator Tools] tab, and set items below: [User Authentication Management] [Administrator Authentication Management]

### 1) User Authentication Management

- 1. Set the method of the authentication is "Off".
- 2. Press [OK] of the upper right.

### 2) Administrator Authentication Management

#### [User management]

1. Set [Admin. Authentication] to [Off].

[Machine Management]

2. Set [Admin. Authentication] to [Off].

[Network Management]

- 3. Set [Admin. Authentication] to [Off].
- [File Management]
- 4. Set [Admin. Authentication] to [Off].
- 5. Press [OK] of the upper right.

### How to stop applications

With Smart Operation Panel models (Hybrid mode):

- 1. Login to the device as an administrator.
- Choose [User Tools] -> [Machine Features] -> [System Settings] -> [Extended Feature Settings] -> [Extended Feature Settings].
- 3. Choose [Startup Setting] tab, and press following applications one by one:
  - CAP V2 Z11
  - ELP-NX V2 Z12
  - CAP
  - ELP Service
  - FR Filter

Press [CAP V2 Z11], then the application will be stopped.

🚯 Exte	ended Feature Settin	gs	1/2 🔍 🚺	Exit			
Startup Setting	Install Uninstall		nistrator lools		[		
elect extend	ed feature(s) to start or stop.				1		
Status	Type Extended Exeture Name	Description	Version Star	Inc. Expiration Date			
Starting Up	Type-J CAP V2 Z11	1	2.4.100 FI	1 No Period Lmt.			
itarting Up	Type-J ELP-NK V2 Z12		2. <mark>4.100 F</mark>	A No Period Limit			
itarting Up [	Type-J CAP		z. 🕣 Ext	ended Feature S	ettings	1/2	► Exit
tarting Up	Type-J ELP Service		2. Startup	install Uh	install Extended		
Starting Up 🖡	Type-C JavaTM Platform	Extended FeatureU			L cestore and	o Tools	
			Select exten	led feature(s) to start or	stop.		
			Cantor	Turo Estadol Es	has lies Doco	rintion Morriso	Outline Evolution Data
			Stop	Type-J CAP V2 Z11	1	2.4.100	FM No Period Lmt
			Starting Up	Type-J ELP-NX V2	212	2.4.100	FM No Period Lmt
			Starting Up	Type-J CAP		2.4,100	FM No Period Lmt
			Starting Up	Type-J ELP Servic	e	2.4.100	FM No Period Lmt
			Starting Up	Type-C JavaTM Pla	tform Extended Fe	eature(Ja 12.47.01	FM
			120000000000000000000000000000000000000			1/2	A need V Next

Model: Enhanced Locked Print NX v2 with CAP Date: 12-Mar-12

2 No.: RD602009p

### 4. Choose [Extended Feature Info] tab.

5. Press an application name.

🕂 Exte	ended F	eature Setting	s	1/2 🧹	►	Exit
Startup Setting	Inst	all Uninstall	Extended Feature Info	Administrator Tools		
Select an ext	ended feati	ure to check.				
Status	Type	Extended Feature Name	Descriptio	on Version	StartLoc	Expiration Date
Stop	Type-J	CAP V2 Z11		2.4.100	FM	No Period Lmt.
Stop	Type-J	ELP-NX V2 Z12		2.4.100	FM	No Period Lmt.
Stop	Type-J	CAP		2.4.100	FM	No Period Lmt.
Stop	Type-J	ELP Service		2.4.100	FM	No Period Lmt.
Starting Up (	Туре-С	JavaTM Platform	Extended Featu	re(Ja 12.47.01	FM	
				1/2	A Previou	s 🔻 Next

6. Set [Auto Start] to "Off". Then press [Exit].

🚯 Extended F	eature Settings	1/2		Exit
Extended Feature Info				Exit
The following extended t	ieature has been installed.			
Extended Feature Name	e: CAP V2 Z11	►Product ID:	337653552	
Description:				
►Version:	2.4.100	►Expiration Date:	No Period Limit	
Startup Location:	Flash Memory			
► Processing Location:	Flash Memory	► Auto Start:	On	Off
►Vendor:				
►Contact:	TEL:			
	Fax: Email:			

- 7. Conduct the same procedure for the following applications as well:
  - CAP V2 Z11
  - ELP-NX V2 Z12
  - CAP
  - ELP Service

Turn the power off and on after the settings are completed.

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Uninstallation of Enhanced Locked Print NX V2 with CAP

Uninstall the following applications using Remote Install Manager to uninstall Enhanced Locked Print NX V2 with CAP. For the uninstallations procedures of these applications, see the service manual of Remote Install Manager. (IP Remote Install Manager)

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

- ELP-NX V2 MP11/MP12/MP13/MP31/ MP33/SP31
- ELP NX
- FR Filter (08S or older models must uninstall the FR Filter manually.)
- CAP V2 MP11/MP21/MP31/SP31
- CAP LAUNCHER
- CAP
- CAP REG

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

Application	Version	Note	
CAP V2 Z11	V2.x		
ELP-NX V2 Z12	V2.x		
CAP	V2.x		
ELP Service	V2.x		
FR Filter	V1.x		
ELP NX	V1.x	Smart Operation Panel application.	
CAP V2 Auth. UI	V1.x	Smart Operation Panel application.	
CAP User Config.	V1.x	Smart Operation Panel application.	
CAP NFC Plug-in	V1.x	Smart Operation Panel application. Only for v2.3.0 or later.	

In the case of Smart Operation Panel models (Full Native mode):

Application	Version	Note	
ELP NX	V1.x	Smart Operation Panel application.	
CAP V2 Auth. UI	V1.x	Smart Operation Panel application.	
CAP User Config.	V1.x	Smart Operation Panel application.	
CAP NFC Plug-in	V1.x	Smart Operation Panel application.	
CAP Java Card Plug-in	V1.x	Smart Operation Panel application. Only for v2.5.0 or later.	

#### 🔸 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

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though the operation is performed, check the error for troubleshooting in Remote Install Manager Service Manual.

Uninstallation of FR Filter

🔸 Note

- Note that using Remote Install Manager will uninstall the FR Filter automatically for 08A or later models.
  - When uninstall "ELP-NX with CAP (F12)", this procedure is not necessary.
- 1. Press [User Tools/Counter] button.
- 2. Press [Extended Feature Settings].
- 3. Confirm on [Extended Feature Setting Menu] screen that [JavaTM Platform] appears.
  - If [JavaTM Platform] is not shown, the Java <sup>™</sup> 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].
- 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.

Vote Note

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

#### SP Mode Cancellation

Restore the SP values described below. In the case of Smart Operation Panel models, press the [x] button on the login screen and select the [Printer] icon after logging out, and then go in to SP mode. It is not possible to log in to SP mode from User Tools or Quick application (such as Quick Copy) and when logged into the device.

- SP5-401-103: [3] → [0]
- SP5-401-162: bit0 [1] → [0], bit3 [1] → [0], bit5 [1] → [0], bit6 [1] → [0]
- SP5-401-230: bit0 [1] → [0], bit3 [1] → [0]
- SP5-401-240: bit0 [1] → [0]
- SP1-001-016 bit6 [1] → [0] \*SP mode (Special Service)
   Note
  - The machine should be rebooted after the settings are changed.
  - The setting changes are not necessary if the reinstallation is executed.
  - Depending on the functions the customer uses, not all of the above SP values may be set to [1] even before cancelling them.
  - The value of SP5-401-162 will not be changed by installing "ELP-NX with CAP (F12)"
  - If SP1-101-016 bit6 remains [1], print jobs will still be stored in device even after uninstalling ELP.

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Reis	Reissued: 16-Feb-18						
Mod	lel: Enhanced Locked Print NX v2	with CAP	Date: 12-Mar-12	No.: RD602009p			
Unins	stallation (4-line MFP/4-line L	_P/LP)					
Settin	ng in the Device						
Set [E	Enhanced Authentication Manage The SC636 error will occur wh						
Settin	ng from Web Image Monitor						
2. Lu	Popen Web Image Monitor. Og in to Web Image Monitor as a Note  The initial value of login is Login user name: admin Password: [blank]  Home Fistas Suples Device Info Counter  Fistas Suples D	s as follows:	-				
F He Jo	onfiguration	Q     Q					
4. C	gloria_a074 4. Click [User Authentication Management] in [Device Settings] menu.						
	User Authentication Management	■ 9 2 i ●Lopo					
5. S	elect [Off] at [User Authentication	gloria_a07 n Management] and					
F He Jo	Afficio SP C320DN Web Image Montor	Control     C	t r				
6. C	lick [Administrator Authenticatior	gloria_a07 ۱ Management] in [[					

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Мс	del: Enhanced Locked Print NX	/2 with CAP	Date: 12-Mar-12	No.: RD602009p
	RICOH Aficio SP C320DN Web Image Monitor Administrator Authentication Management	■ (?) (i) → Logout a '' ■ Administrator ØRefresh Ø		
	OK     Cencel       II User Administrator Authentication : Or Off       Machine Administrator Authentication : Or Off       Network Administrator Authentication : Or Off       File Administrator Authentication : Or Off       File Administrator Authentication : Or Off			
7.	<ul> <li>Check [Off] at the following items</li> <li>[User Administrator Authent]</li> </ul>			

- [Machine Administrator Authentication]
- [Network Administrator Authentication]
- [File Administrator Authentication]
- 8. Turn off and on the main power.
- 9. Uninstall the following applications using Remote Install Manager to uninstall CAP.
  - CAP V2 MP21/SP11
  - CAP LAUNCHER
  - CAP
  - CAP REG

For the uninstallation procedures of these applications, see the service manual of Remote Install Manager. (IF Remote Install Manager)

Vote Note

The following procedures (steps 10 through 15) are needed for 08S or older models.

- 10. Open Web Image Monitor.
- 11. Log in to Web Image Monitor as an administrator.
  - V Note
    - The initial value of login is as follows:
    - Login user name: admin
    - Password: [blank]



12. Click [Configuration] in the left menu.

-7 -7	Wirtual Prinker SetTings     PDF Group Baseword     PDF Fixed Password     Interface     Interface Settings     NetWork     EIP-6     sealerDiffe	Extended Feature Settings     Starup Setting     Starup Setting     Extended Feature Info     Instal     Administrator Indo     Administrator Indo     Instal Additional Program     Uninteal Additional Program     Uninteal Additional Program     Uninteal Additional Program     Uninteal Additional Program
	AppleTalk	Copy Card Save Data

- 13. Click [Uninstall] in [Extended Feature Settings] menu.
- 14. Select [FR Filter] in the applications list.
- 15. Reboot the device.

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SP Mode Cancellation

Restore the SP values described below.

- SP5-401-103: [3] → [0]
- SP5-401-162: bit0 [1] → [0], bit5 [1] → [0] .
- SP5-401-230: bit0 [1] → [0]
- SP5-401-240: bit0 [1] 🦻 [0]

### V Note

- The machine should be rebooted after the settings are changed.
- The setting changes are not necessary if the reinstallation is executed after the uninstallation. •

**Priority Feature Cancellation** 

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

V Note

The procedure of this setting differs from devices so that see the service manual of 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]).
  - Vote
    - 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 1<sup>st</sup> reboot that require a 2<sup>nd</sup> reboot to enable).

## Procedure for changing the HDD

- 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 (CAP and ELP-NX) using Remote Install Manager.
- 3. Change out the HDD.
  - Vote
    - Please refer to the device service manual to change out the HDD.
- 4. Reinstall all the applications (CAP and ELP-NX) using Remote Install Manager.
- 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.

- 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.
- Uninstall all applications (CAP and ELP-NX) 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.
  - Please refer to the device service manual to change out the Controller Board.
- 5. Reinstall all the applications (CAP and ELP-NX) using Remote Install Manager.
- 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.

- 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 (CAP and ELP-NX) via Remote Install Manager.
  - Vote 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 (CAP and ELP-NX).
- 4. Import the user/device settings via the Configuration Tool.

File --> Import --> Browse for the User Information and Device Settings --> Click the "Import" button.

# RICOH

# Technical Bulletin

Model: Card Authentication Package v2 / Enhanced Date Locked Print NX v2					2	No.: RD602010
Subject: Card Authentication Package v2 / Enhanced Locked Print NX v2 Installation on 11A Models (AT-C3, AP-C3 and AL- C2)					by: Shu	nsuke.Maruyama
From: Solution Support Department						
Classification:	☐ Troubleshooting	Part info	ormat	tion	Action	n required
	Mechanical     Electrical				Servic	ce manual revision
	Paper path Transmit/r		it/rec	eive	Retro	fit information
	Product Safety	Other (		)	Tier 2	

### Summary

When installing Card Authentication Package v2 (CAP v2) / Enhanced Locked Print NX v2 (ELP-NX v2) on some 11A models, certain actions must be performed in order to ensure correct operation.

1. Only the CAP v2 / ELP-NX v2 versions listed below may be installed on the current 11A models (AT-C3, AP-C3, AL-C2):

- CAP v2.1.0 or later
- ELP-NX v2.1.1 or later

2. Because the standard Java VM for 11A models contains some bugs known to affect CAP v2 / ELP-NX v2, the Java VM must be upgraded before CAP v2 / ELP-NX v2 installation.

3. Since CAP v2 may fail to obtain the login user name from device address book, the firmware for System/Copy must be upgraded before CAP v2 / ELP-NX v2 installation.

4. Disabling the device's STR mode (turn SP5-191-001 to 0) is recommended because of the current device limitation described in section 4 below.

### 1. 11A Model Support and PC application Version Compatibility:

Following chart shows the compatibility between modules/versions.

- "Compatibility" indicates a supported combination of Server module and Embedded module.

- "11A Model Support" indicates whether AT-C3, AP-C3 and AL-C2 are supported or not. Note that S-C5 and GB-C1 are not included

		Embedded Module (SDK application)			
		V1.3 series	V1.4 series	V2.0 series	V2.1 series
Server Module (PC application)	V2.1 series	Compatibility : YES 11A Support: NO	Compatibility : YES 11A Support: NO	Compatibility : YES 11A Support: NO	Compatibility : YES 11A Support: YES

### 2. Required Java VM Version:

Model	Version	Program No.	Effective Date
AT-C3	10.04.02	D1445594E	April 2012 production
AP-C3	10.04.02	D1445594E	April 2012 production
AL-C2	10.04.02	D1295735D	April 2012 production

Note: The same UpdateTool module can be used even though the Program No. is different.

#### CAP v2 / ELP-NX v2:

 Update Device's JavaVM using Remote Install Manager. Update is automatically performed when the CAP v2 / ELP-NX v2 is installed. No specific action is required.

### 3. Required System/Copy Version:

Model	Version	Program No.	Effective Date
AT-C3	2.00.3	D1425562H	March 2012 production
AP-C3	2.00.3	D1445562H	March 2012 production
AL-C2	2.00.3	D1295751F	March 2012 production

## 4. 11A models don't reply to network requests for SDK applications.

### **Occurrence Condition:**

If a SDK application has a Web UI, it cannot be accessed from a web browser once the device enters STR mode. Also, remote configuration from the administration tool is impossible. This is known to affect:

- CAP v2 / ELP-NX v2 configuration from the Web Configuration Tool.

### Workaround (either):

- Disable STR mode.

- Retry the operation (as the first network request to the SDK application wakes the device up from STR mode, the second attempt will succeed).

Reissued: 08-Feb-17 Model: Gloria

Date: 27-Oct-14 No.:

No.: RD602015e

### **RTB Reissue**

The items in bold italics have been corrected or added.

Subject: Firmwar	e Release Note: CAP User Co	Prepared by: Y. Tsugawa	
From: Solution S	upport Sect., Solution Support		
Classification:			<ul> <li>Action required</li> <li>Service manual revision</li> <li>Retrofit information</li> <li>Tier 2</li> </ul>

This RTB has been issued to announce the firmware release information for the CAP User Config for eDC.

Version	rsion Program No. Effective I		
1.4.000	D60210JAD_forEDC	February 2017 production	
1.3.000	D60210JAC_forEDC	June 2016 production	
1.2.600	D60210JAB_forEDC	August 2015 production	
1.2.5	D60210JAA_forEDC	December 2014 production	
1.2.4	D60210JA_forEDC	Initial release	

Version	Modified Points or Symptom Corrected
1.4.000	Support: Support for the following models has been added: - MET-C2z - CH-C2 Office - CH-C2 Pro (Only Smart Operation Panel option mounted device) - Cor-C1.5 - GR-C3
1.3.000	Supported: Support for the following 15S model has been added: - MET-C2
1.2.600	Support: Support for the following 15S model (Hybrid mode) has been added: - GR-C2
1.2.5	Support: Support for the following 14S Smart Operation Panel model (Hybrid mode) has been added: - Cor-C1 c, d, e, f, g, h
1.2.4	Initial Release.

# RICOH

# Technical Bulletin

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Model: Enhanced Locked Print NX v2 with CAP Date		e: 07-Nov-	14	No.: RD602018		
Subject: Authentication priority mode for Hybrid mode in Enhanced Locked Print NX v2 with CAP			Prepared	by: Kohs	uke Tomoyama	
From: Solution Support Department						
Classification:	<ul> <li>Troubleshooting</li> <li>Mechanical</li> <li>Paper path</li> <li>Product Safety</li> </ul>	<ul> <li>Part infe</li> <li>Electric</li> <li>Transm</li> <li>Other (</li> </ul>	al		Servic	n required ce manual revision fit information

### Summary

When a device is in sleep mode, it takes more time for a user's job list to be displayed after the user swipes their IC card on Smart Operation Panel models for Hybrid mode than it does on Standard Operation Panel models and Smart Operation Panel models (Compatibility mode).

After installing Enhanced Locked Print NX v2 with CAP for Hybrid mode, a certain action must be performed. The Authentication priority mode must be set via the Screen service mode. By setting the Authentication priority mode, the print job display for Hybrid mode is about as fast as the Standard Operation Panel models and Smart Operation Panel models (Compatibility mode). This setting means the HDD always starts within a designated time and it takes a little time to authenticate the user information. However, this may negatively affect the TEC value (TEC = Typical Electricity Consumption).

# How to install ELP-NX v2 with CAP and set "Authentication priority mode" in Hybrid mode.

- 1. Install ELP-NX v2 and CAP v2 using Remote Install Manager. For details, please refer to the Installation Manual for ELP-NX v2 with CAP.
- 2. Set the Authentication priority mode for Hybrid mode via the Screen service mode. For details, please refer to "Authentication Priority mode (For Hybrid mode)" in the Installation Manual for ELP-NX v2 with CAP.

Reissued: 06-Feb-17 Model: Gloria

Date: 08-Apr-15 No.: F

No.: RD602021f

### **RTB Reissue**

he items in <b>bold italics</b> have been corrected or added.				
Subject: Firmwa	re Release Note: ELP-NX FS	Prepared by: Y. Tsugawa		
From: Solution Support Sect., Solution Support Dept.				
Classification:	<ul> <li>Troubleshooting</li> <li>Mechanical</li> <li>Paper path</li> <li>Product Safety</li> </ul>	<ul> <li>Part information</li> <li>Electrical</li> <li>Transmit/receive</li> <li>Other (Firmware)</li> </ul>	<ul> <li>Action required</li> <li>Service manual revision</li> <li>Retrofit information</li> <li>Tier 2</li> </ul>	

This RTB has been issued to announce the firmware release information for the **ELP-NX FS V2 for RA.** 

Version	Program No.	Effective Date
2.4.000.0	D602-0078P	February 2017 production
2.3.101.0	D6020078N	October 2016 production
2.3.100.0	D6020078M	September 2016 production
2.3.000.0	D6020078L	June 2016 production
2.2.503.0	D6020078K	September 2015 production
2.2.502.0	D6020078J	July 2015 production
2.2.501.0	D6020078H	Initial release

Version	Modified Points or Symptom Corrected
2.4.000.0	<ul> <li>Support:</li> <li>Windows Server 2016/MacOS X 10.12 is supported.</li> <li>SQL Server 2016 is supported.</li> <li>Windows Server 2003/2003 R2/Windows 8 are excluded as support environments.</li> </ul>
	<ul> <li>Fixed:</li> <li>If using My Document Folders and the authentication mode on the device is set to user code authentication, users cannot print.</li> <li>After changing the DB Server Name/Database Name in the Database Management Tool, they cannot be returned to the value set before the change.</li> <li>ELP-NX FS may not work correctly after an update installation.</li> </ul>
	Other: - Activation method has been changed from server license to client access license (CAL). A fix for a vulnerability regarding Click Jacking has been added.
2.3.101.0	Fixed: When using multiple LF servers, the print job may not be displayed in the job list.
2.3.100.0	Support: 1. Support for TLS1.2 has been added.

Reissued: 06-Feb-17

Model: Gloria		Date: 08-Apr-15	No.: RD602021f	
Version	Modified Points or Symptom Corrected			
	<ul> <li>*The Java VM version on the device must support TLS1.2.</li> <li>2. Support for SHA-2 has been added.</li> <li>*The Java VM version on the device must support SHA-2.</li> </ul>			
	<ul> <li>Other:</li> <li>1. Paper size is displayed for each print job.</li> <li>2. RSInfo has been updated.</li> <li>3. A fix for the Apache Commons Collection (ACC) vulnerability has been added.</li> </ul>			
2.3.000.0	Supported: 1. Support for Fire Fox ESR 38 has been added. 2. Citrix XenApp 7.5 and 7.6 are supported.			
	<ul> <li>Fix:</li> <li>1. Cannot print small file size PS jobs</li> <li>2. If 2 byte character is set as FRPRI ELP-NX FS.</li> </ul>			
	Other: 1. Primary and Secondary CAP-ES s Web UI. 2. Activation site has been changed f 3. Java version has been updated to	rom GMP server to eD		
2.2.503.0	<ul> <li>Fixed:</li> <li>Fails to display the print job previe</li> <li>"Preview Create" setting in ELP-N</li> <li>A job from Mac client via LPR may</li> </ul>	w if "Do not Prepare" i X FS v2.	s set for the	
2.2.502.0	Support: None. Fixed: None. Other:			
	<ul> <li>Preview settings (enable/disable t creation timing, etc.) have been ad</li> </ul>		eview image	
2.2.501.0	<ul> <li>Fixed:</li> <li>1. CPU usage rates become high wh ELP-NX FS server at the same tim data is created when spooling the are created at the same time. To a v2.2.501.</li> <li>Preview data is created when s - Only 1 preview is created during</li> </ul>	ne. Because in v2.2.4 a jobs on ELP-NX FS ar avoid this, there are 2 n selecting the preview b	and 2.2.5, preview nd up to 3 previews nodifications in utton on a device.	



## Reissued: 06-Feb-17

Model: Gloria	Date: 08-Apr-15	No.: RD602022a

DTD	Reissue
nid	neissue

### The items in *bold italics* have been corrected or added.

Subject: Firmware Release Note: ELP-NX FS V2 for RKR		Prepared by: Y. Tsugawa	
From: Solution Support Sect., Solution Support Dept.			
Classification:	Troubleshooting	Part information	Action required
	🗌 Mechanical	Electrical	Service manual revision
	Paper path	Transmit/receive	Retrofit information
	Product Safety	🛛 Other (Firmware)	🖂 Tier 2

This RTB has been issued to announce the firmware release information for the **ELP-NX FS V2 for RKR.** 

Version	Program No.	Effective Date
2.4.000.0	D602-00A8P	February 2017 production
2.2.3.0	D60200A8	Initial release

Version	Modified Points or Symptom Corrected
2.4.000.0	<ul> <li>Support:</li> <li>Windows Server 2016/MacOS X 10.12 is supported.</li> <li>SQL Server 2016 is supported.</li> <li>Windows Server 2003/2003 R2/Windows 8 are excluded as support environments.</li> </ul>
	<ul> <li>Fixed:</li> <li>If using My Document Folders and the authentication mode on the device is set to user code authentication, users cannot print.</li> <li>After changing the DB Server Name/Database Name in the Database Management Tool, they cannot be returned to the value set before the change.</li> <li>ELP-NX FS may not work correctly after an update installation.</li> </ul>
	<ul> <li>Other:</li> <li>Activation method has been changed from server license to client access license (CAL).</li> <li>A fix for a vulnerability regarding Click Jacking has been added.</li> </ul>
2.2.3.0	<ul> <li>Fixed:</li> <li>1. CPU usage rates become high when multiple print jobs are spooled on the ELP-NX FS server at the same time. Because in v2.2.4 and 2.2.5, preview data is created when spooling the jobs on ELP-NX FS and up to 3 previews are created at the same time. To avoid this, there are 2 modifications in v2.2.501.</li> <li>Preview data is created when selecting the preview button on a device.</li> <li>Only 1 preview is created during the creation process.</li> </ul>

Reissued: 06-Feb-17 Model: Gloria

Date: 08-Apr-15 No.: RD602023f

RTB Reissue

The items in <i>bold italics</i> have been corrected or added.
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Subject: Firmwar	re Release Note: ELP-NX FS \	Prepared by: Y. Tsugawa	
From: Solution Se	upport Sect., Solution Support		
Classification:	Troubleshooting       Part information         Mechanical       Electrical         Paper path       Transmit/receive         Product Safety       Other (Firmware)		<ul> <li>Action required</li> <li>Service manual revision</li> <li>Retrofit information</li> <li>Tier 2</li> </ul>

This RTB has been issued to announce the firmware release information for the **ELP-NX FS V2 for RAC.** 

Version	Program No.	Effective Date
2.4.000.0	D6020088P	February 2017 production
2.3.101.0	D6020088N	October 2016 production
2.3.100.0	D6020088M	September 2016 production
2.3.000.0	D6020088L	June 2016 production
2.2.503.0	D6020088K	September 2015 production
2.2.502.0	D6020088J	July 2015 production
2.2.501.0	D6020088H	Initial release

Version	Modified Points or Symptom Corrected				
2.4.000.0	<ul> <li>Support:</li> <li>Windows Server 2016/MacOS X 10.12 is supported.</li> <li>SQL Server 2016 is supported.</li> <li>Windows Server 2003/2003 R2/Windows 8 are excluded as support environments.</li> </ul>				
	<ul> <li>Fixed:</li> <li>If using My Document Folders and the authentication mode on the device is set to user code authentication, users cannot print.</li> <li>After changing the DB Server Name/Database Name in the Database Management Tool, they cannot be returned to the value set before the change.</li> <li>ELP-NX FS may not work correctly after an update installation.</li> </ul>				
	<ul> <li>Other:</li> <li>Activation method has been changed from server license to client access license (CAL).</li> <li>A fix for a vulnerability regarding Click Jacking has been added.</li> </ul>				
2.3.101.0	Fixed: When using multiple LF servers, the print job may not be displayed in the job list.				
2.3.100.0	Support: 1. Support for TLS1.2 has been added.				



Model: Gloria	Date: 08-Apr-15 No.: RD602023f							
Version	Modified Points	Modified Points or Symptom Corrected						
	*The Java VM version on the device 2. Support for SHA-2 has been added *The Java VM version on the device Other:	<ul> <li>*The Java VM version on the device must support TLS1.2.</li> <li>2. Support for SHA-2 has been added.</li> <li>*The Java VM version on the device must support SHA-2.</li> <li>Other:</li> <li>1. Paper size is displayed for each print job.</li> </ul>						
	<ol> <li>Paper size is displayed for each print job.</li> <li>RSInfo has been updated.</li> <li>A fix for the Apache Commons Collection (ACC) vulnerability has been added.</li> </ol>							
2.3.000.0	Supported: 1. Support for Fire Fox ESR 38 has b 2. Citrix XenApp 7.5 and 7.6 are supp							
	<ul> <li>Fix:</li> <li>1. Cannot print small file size PS jobs</li> <li>2. If 2 byte character is set as FRPRI ELP-NX FS.</li> </ul>							
	<ul> <li>Other:</li> <li>1. Primary and Secondary CAP-ES servers can be specified in ELP-NX FS Web UI.</li> <li>2. Activation site has been changed from GMP server to eDC-i server.</li> <li>3. Java version has been updated to 8.</li> </ul>							
2.2.503.0	<ul> <li>Fixed:</li> <li>Fails to display the print job preview if "Do not Prepare" is set for the "Preview Create" setting in ELP-NX FS v2.</li> </ul>							
2.2.502.0	<ul> <li>A job from Mac client via LPR may not be spooled.</li> <li>Support: None.</li> <li>Fixed: None.</li> </ul>							
	Other: - Preview settings (enable/disable the preview function, preview image creation timing, etc.) have been added.							
2.2.501.0	<ul> <li>Fixed:</li> <li>1. CPU usage rates become high when multiple print jobs are spooled on the ELP-NX FS server at the same time. Because in v2.2.4 and 2.2.5, preview data is created when spooling the jobs on ELP-NX FS and up to 3 previews are created at the same time. To avoid this, there are 2 modifications in v2.2.501.</li> </ul>							
	device.	ed when selecting the pated during the creation						

Reissued: 06-Feb-17 Model: Gloria

Date: 20-Apr-15 No.: F

No.: RD602024f

#### **RTB Reissue**

he items in <i>bold italics</i> have been corrected or added.						
Subject: Firmwar	Prepared by: Y. Tsugawa					
From: Solution S	upport Sect., Solution Support	t Dept.				
Classification:	<ul> <li>Troubleshooting</li> <li>Mechanical</li> <li>Paper path</li> <li>Product Safety</li> </ul>	<ul> <li>Part information</li> <li>Electrical</li> <li>Transmit/receive</li> <li>Other (Firmware)</li> </ul>	<ul> <li>Action required</li> <li>Service manual revision</li> <li>Retrofit information</li> <li>Tier 2</li> </ul>			

This RTB has been issued to announce the firmware release information for the **ELP-NX FS V2 for RE.** 

Version	Program No.	Effective Date
2.4.000.0	D6020068P	February 2017 production
2.3.101.0	D6020068N	October 2016 production
2.3.100.0	D6020068M	September 2016 production
2.3.000.0	D6020068L	June 2016 production
2.2.503.0	D6020068K	September 2015 production
2.2.502.0	D6020068J	July 2015 production
2.2.501.0	D6020068H	Initial release

Version	Modified Points or Symptom Corrected			
2.4.000.0	<ul> <li>Support:</li> <li>Windows Server 2016/MacOS X 10.12 is supported.</li> <li>SQL Server 2016 is supported.</li> <li>Windows Server 2003/2003 R2/Windows 8 are excluded as support environments.</li> </ul>			
	<ul> <li>Fixed:</li> <li>If using My Document Folders and the authentication mode on the device is set to user code authentication, users cannot print.</li> <li>After changing the DB Server Name/Database Name in the Database Management Tool, they cannot be returned to the value set before the change.</li> <li>ELP-NX FS may not work correctly after an update installation.</li> </ul>			
	Other: - Activation method has been changed from server license to client access license (CAL). A fix for a vulnerability regarding Click Jacking has been added.			
2.3.101.0	Fixed: When using multiple LF servers, the print job may not be displayed in the job list.			
2.3.100.0	Support: 1. Support for TLS1.2 has been added.			



Reissued: 06-Feb-17

Model: Gloria	del: Gloria Date: 20-Apr-15 No.: RD602						
Version	Modified Points or Symptom Corrected						
	<ul> <li>*The Java VM version on the device must support TLS1.2.</li> <li>2. Support for SHA-2 has been added.</li> <li>*The Java VM version on the device must support SHA-2.</li> </ul>						
	Other: 1. Paper size is displayed for each print job. 2. RSInfo has been updated. 3. A fix for the Apache Commons Collection (ACC) vulnerability has been added.						
2.3.000.0	Supported: 1. Support for Fire Fox ESR 38 has b 2. Citrix XenApp 7.5 and 7.6 are supp						
		Fix: 1. Cannot print small file size PS jobs that are spooled in ELP-NX FS. 2. If 2 byte character is set as FRPRINT port, job list cannot be obtained from					
	<ul> <li>Other:</li> <li>1. Primary and Secondary CAP-ES servers can be specified in ELP-NX FS Web UI.</li> <li>2. Activation site has been changed from GMP server to eDC-i server.</li> <li>3. Java version has been updated to 8.</li> </ul>						
2.2.503.0	<ul> <li>Java version has been updated to 8.</li> <li>Fixed: <ul> <li>Fails to display the print job preview if "Do not Prepare" is set for the "Preview Create" setting in ELP-NX FS v2.</li> <li>A job from Mac client via LPR may not be spooled.</li> </ul> </li> </ul>						
2.2.502.0	Support: None. Fixed: None.						
	Other: <ul> <li>Preview settings (enable/disable the preview function, preview image creation timing, etc.) have been added.</li> </ul>						
2.2.501.0	<ul> <li>creation timing, etc.) have been added.</li> <li>Fixed:</li> <li>1. CPU usage rates become high when multiple print jobs are spooled on the ELP-NX FS server at the same time. Because in v2.2.4 and 2.2.5, preview data is created when spooling the jobs on ELP-NX FS and up to 3 previews are created at the same time. To avoid this, there are 2 modifications in v2.2.501.</li> <li>Preview data is created when selecting the preview button on a device.</li> <li>Only 1 preview is created during the creation process.</li> </ul>						

Reissued: 10-Feb-17 Model: Gloria

Date: 15-Jun-16

No.: RD602025b

#### **RTB Reissue**

The items	in	bold	italics	have	been	corrected	or	added.	

Subject: Firmwar	e Release Note: CAP NFC Plu	Prepared by: Y. Tsugawa	
From: Solution Su	upport Sect., Solution Support		
Classification:	<ul> <li>Troubleshooting</li> <li>Mechanical</li> <li>Paper path</li> <li>Product Safety</li> <li>Paper path</li> <li>Other (Firmware)</li> </ul>		<ul> <li>Action required</li> <li>Service manual revision</li> <li>Retrofit information</li> <li>Tier 2</li> </ul>

This RTB has been issued to announce the firmware release information for the **CAP NFC Plugin for eDC.** 

Version	Program No.	Effective Date
1.4.000	D60210MBB_forEDC	February 2017 production
1.3.100	D60210MBA_forEDC	August 2016 production
1.3.000	D60210MB_forEDC	Initial release

Version	Modified Points or Symptom Corrected
1.4.000	Support: - Support for the following models has been added: MET-C2z OU 00 Office
	CH-C2 Office CH-C2 Pro (Only Smart Operation Panel option mounted device) Cor-C1.5 GR-C3
1.3.100	Supported: 1. Support for the following 15S model has been added: - Lef-C1, Brz-MF1 2. Support for the following 16S model has been added: - MT-C6, Gim-MF1.5dM
	Others: 1. Support for Felica security in NFC card readers has been added.
1.3.000	Initial Release.



**PAGE: 1/1** 

Model: Gloria

Date: 21-Mar-17

No.: RD602028

Subject: Firmware	e Release Note: ELP NX V2_N	Prepared by: Y. Tsugawa	
From: Solution Su	pport Sect., Solution Support I		
Classification:	<ul> <li>Troubleshooting</li> <li>Mechanical</li> <li>Paper path</li> <li>Product Safety</li> </ul>	<ul> <li>Part information</li> <li>Electrical</li> <li>Transmit/receive</li> <li>Other (Firmware)</li> </ul>	<ul> <li>Action required</li> <li>Service manual revision</li> <li>Retrofit information</li> <li>Tier 2</li> </ul>

This RTB has been issued to announce the firmware release information for the **ELP NX V2\_MP13 for eDC.** 

Version	Program No.	Effective Date
2.2.520	D60210M7_forEDC	Initial release

Version	Modified Points or Symptom Corrected
2.2.520	Support: - Support for the following models (Compatibility mode) has been added: GR-C2 MET-C2 MT-C6 Cor-C1.5 GR-C3