Reissued: 10-Feb-17

Model: **Streamline NX**	Date: 10-Feb-17	No.: RD639001p

RTB Reissue

The items in **red italics** have been added.

Subject: Release Note: RICOH Streamline NX	Prepared by: K. Ogawa
From: Solution Support Sec., Solution Engineering Department.	

Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☒ Other ( )	☒ Tier 2

This RTB has been issued to announce release information for **RICOH Streamline NX.**
The released module is distributed to each region by DVD, and will not be uploaded to the website.

Version	Program No.	Effective Date	Availability of RFU
2.7.1	*-*	*February 2017*	*-*
2.6.2	*-*	*June 2016*	*-*
2.6.1	*-*	*May 2016*	*-*
2.6.0	*-*	*February 2016*	*-*
2.5.1	*-*	*September 2015 production*	*-*
2.5.0	*-*	*July 2015 production*	*-*
2.4.1	*-*	*April 2015 production*	*-*
2.3.1	*-*	*November 2014 production*	*-*
2.3.0	*-*	*October 2014 production*	*-*
2.2.1.0	-	Dec 2013 production	-
2.2.0.0	-	Nov 2013 production	-
2.1.2.0	-	June 2013 production	-
2.1.1.0	-	April 2013 production	-
2.1.0.0	-	March 2013 production	-
2.0.1.0	-	October 2012 production	-
2.0.0.0	-	July 2012 production	-
1.3.2.0	-	June 2012 production	-
1.3.1.0	-	April 2012 production	-
1.3.0.0	-	March 2012 production	-

Note: Definition of Availability of RFU via @Remote
"Available": The firmware can be updated via RFU or SD card.
"Not available": The firmware can only be updated via SD card.

Version	Modified Points or Symptom Corrected					
2.7.1	*Application versions included in this release:*					
		ADM	*AAM*	*SFM*	*SPM*	*RG*	*Client Tool*
	PC Application	*2.7.1.0*	*2.7.0.0*	*2.7.1.0*	*2.7.1.0*	*2.7.0.0* **Build id: I201701**	*-*

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					31121101	
SDK Appli cation	*-*	*-2.7.1.0 (For MFP) -2.7.1.0 (For LP) -2.7.1.0 (4.3 inch panel printer) -2.7.1.0 (for SOP)*	*2.7.1.0 (For MFP)*	*-2.7.0.0 (For MFP) -2.7.0.0 (For LP) -2.7.0.0 (4.3 inch panel printer) -2.7.1.0 (for SOP)*		

* Client Tool is not included on the SLNX product DVD. Client Tool can be downloaded from the firmware download site.

Supported:
Administrator Manager:
- Hybrid application install procedure enhancement.
- ADM sever log maximum size enhancement.

Scan and Fax Manager:
-Default time out value for SFM-S SSO has been expanded.
-Panel view switching performance between SFM-E home and SFM-E project view.
-Synchronizing the SFM-E GUI controller.
-Armada support for GR-C3.

Secure Print Manager:
-Enhancement to E2EE printing performance.
-Removed unnecessary log message during E2EE printing.

Fixed:
Administrator Manager:
-Support for the Copy Preferences function on 16S devices.
-AboutConfig support tool for of ADM failed to connect via HTTPS.
-Failed to apply firmware package to GR-C2 from ADM.
-Failed to apply Copy Preferences.
-ADM failed to enable APDU mode on devices and caused SC899.
-ADM may fail to update the DSDK nor uninstall SLNX applications.

Secure Print Manager:
-Jobs from user names with different domains and passwords were going to the same queue.
-Fixed direct print failure for jobs from specific user names.
*   (Two-byte character user names.)*
-Part of SPM-S scheduled tasks were stopping after server migration.
-Fixed invalid words on the SPM-E operation panel (MyPrint mode):
* "Cannot print the selected job because of insufficient points."*
-SPM-E shows an invalid version number on the panel in SP mode.

Report Generator:
-The column names are wrong in the CSV export if Duplex counter isn't selected for customized reports.

Authentication and Accounting Manager:
-The profile is not displayed in SFM-E and the built-in profile is displayed instead. (Ported from V2.6.4.)

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<table>
<tr><td></td><td colspan="6"><i>-Device cannot enter low-energy mode.
-AAM-E failed to send a specific tracking log.

Scan and Fax Manager:
-SFM serverless projects failed to convert scanned images.
-SFM-E serverless projects failed to send a log message to the servers and administrator cann
see them via ADM or the SFM-S server log view.
-Folder selection view showed an invalid black screen in the SFM project.
-Improved view behavior for the SFM-E HOME key.
-After card authentication, "Please wait" message remained.</i></td></tr>
<tr><td rowspan="2">2.7.0</td><td colspan="6"><i>Application versions included in this release:</i></td></tr>
<tr><td></td></tr>
</table>

	ADM	AAM	SFM	SPM	RG	Client Tool
PC Application	2.7.0.0	2.7.0.0	2.7.0.0	2.7.0.0	2.7.0.0	1.4.1*
SDK Application	-	-2.7.0.0 (For MFP) -2.7.0.0 (For LP) -2.7.0.0 (4.3 inch panel printer) -2.7.0.0 (for SOP)	2.7.0.0 (For MFP)	-2.7.0.0 (For MFP) -2.7.0.0 (For LP) -2.7.0.0 (4.3 inch panel printer) -2.7.0.0 (for SOP)		

Client Tools are not included on the SLNX product DVD. Client Tools can be downloaded from the firmware download site.

Client Tool versions included in this release:
 RICOH Streamline NX Client Tool V1.4.1.0
 RICOH Streamline NX Client Secure Print V1.4.1.0
 RICOH Streamline NX Client Delegation Print V1.3.0.0
 RICOH Streamline NX Client Accounting V1.3.0.0

Supported models:
-Support for the following new models has been added:
Model VE-P1
Model MD-P3

(T.B.D) Model GR-C3 (will be supported with v2.7.x)
* Standard mode & SOP Optimized mode
(T.B.D) Model BR-C2 (will be supported with v2.7.x)
(T.B.D) Model BR-P2 (will be supported with v2.7.x)

Supported:

Only for Smart Operation Panel-G2 Hybrid Mode (SOP Optimized Mode):

- The design of the SOP optimized mode (Hybrid) UI displayed on the operation panel has been improved.
- Supports the remote configuration of Function Keys.
- Supports the renaming of Function Keys.
- Support for applying copy preferences to other device models.
- Masked PIN code on the User Information screen.
- Display the required number of digits for PIN codes.
- Added the "Reverse Orientation" feature for 10.1 inch profiles.

Only for Smart Operation Panel-G2 Compatible Mode (Standard Mode):
- Screen after Guest login
It is possible to select which screen is displayed after a Guest user logs in.
>   *1. Home Application*
>   *2. Secure Print Manager (for Hotspot)*
>   *3. Copy*

- Home Button improvements for Standard mode

   •   *The blue home icon button* *is placed on Function Key #1 to move to SFM-E (SLNX home screen).*

   •   *The SOP home button icon has been changed to a gear icon.*

Integration with external system
- Support for outputting print jobs spooled on VPSX and Seal System in the same way as jobs spooled on the SLNX print server.
- Support for running together with RICOH Smart Device Connector.

Enhancement for Higher Education (Integration with myPrint)
- Support for more detailed Price settings.
- Possible to enable the checking of print cost accuracy before printing.
- Possible to enable the use of the Zero Count Stop function for copy jobs with MFPs that have a finisher.
- Register a new user on AAM-S as a chargeable one by default.
- Possible to enable the confirmation of the paper size on ADM's job information screen.
Support for migration from normal mode to myPrint mode.

Administration Manager:
- The "Home Screen" setting is now independent from "Copy Preferences."
- Support for restricting the use of card readers to only registered card readers.
- Support for Panel auto logout timer (Standard panel).
>   *Important: Customized firmware is required to use this function. Regarding details, refer to "GK FAQID:213425 GAP:A2015-01 SLNX auto logout timer".*

Authentication and Accounting Manager:
- Support for the same named user in multiple domain environments.

Scan and Fax Manager:
- 10.1 inch screen profiles are now emulated like the Smart Operation Panel if you want to edit or create a profile.
- Additional debug information has been added to the DPL log.
- Debug log information for the Send To Folder plug-in has been improved.
- Mixed Original Size is now supported on Aficio SP 5200S, 5210SF, 5210SR / MP 402SPF / MP 501SPF / MP 601SPF.
- If the Scan and Fax manager service is stopped due to an "Out Of Memory" error, a heap dump file will be generated automatically.
- It is possible to hide any project button displayed on the built-in profile by using a ConfigUtill.

Client Tool
- Client Secure Print supports PS Driver for Universal Print.
- Support for selecting the maximum number of Secondary servers.
- Auto Delete Stored Jobs function has been improved.

- When the Client Tool finds wording surrounded %-% in the Server Name or Base DN, the Client Tool corresponded environmental variable will be used for the Server Name or Base DN.
- Disable the failover function when connecting to an alternative server to get the preference settings.
- Changed the management of the Keystore password to increase security.

Fixed:
Administration Manager
- Connection fails from ADM to the device if SSL is enabled and port 80 has been closed on the device.
- Fails to install SLNX embedded applications on device models with JavaVM v4.x.

Authentication and Accounting Manager:
- After switching the language setting on the SLNX login screen, the login screen becomes unresponsive.
- The maximum size of images on the login screen is smaller than described in the specifications.
- In the case of SLNX SOP Optimized mode, login will fail if umlaut characters are contained in login user's password.
- AAM-S tries authentication with all domain controllers retrieved via round robin in a DNS environment although the entered password is invalid.
-Authentication and Accounting Manager service fails to start after an overwrite installation is performed from v2.1.2 or earlier.
- Authentication is not been performed by swiping an IC card on a device that is in Sleep Mode.
- Secure Print Manager screen is not displayed after logging in although Secure Print Manager is selected for the Screen After Login function in a Server Preference Template.
- If using LDAP > Other as a configuration and sAMAccountName as the User Login Name, when "Convert to Lower Case" is enabled, the UPN will be used as the User Login Name instead.

Secure Print Manager:
- Some Dutch words are unclear.
- Fails to display the job list if the login user belongs to numerous groups.
- When SPM-S is overwritten to SPM-S v2.5.0 - v2.6.2, the mask function will not be available even if the customer has changed the "Mask Settings" in the SPM-S Web UI to "On".
- Displays the pervious login user's job list.
- Fails to print on devices with SLNX.

Scan and Fax Manager:
- Security vulnerabilities (CVE-2016-3092) have been fixed.
- The 32-bit version of the Scan and Fax Manager service cannot be stopped on 64-bit version operating systems.
- SFM fails to create a job if a language not supported by SFM is selected on the MFP.
- Failure to save a setting in the Monitor Folder setting tool on Windows 10.
- The same inbound FAX document will be delivered twice if the user tool is selected when SFM is in the process of delivering the inbound FAX document.
- Inbound fax document delivery is delayed if the device receives the inbound fax while a user is editing the device's address book.
- SFM Smart Operation Panel application fails to install to the Smart Operation Panel.
- In the "Email Search" function on 10.1 inch profiles, "Display Name" and "Address Format" are not displayed correctly.

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- The operation panel screen may freeze if "AutoLogoutAfterScanning"(ConfigUtil) is applied to the MFP.
- In the case of SOP Optimized mode (Hybrid), the device cannot enter sleep mode if the system auto reset time is set as shorter than the time set for sleep mode.
- Improved a vulnerability issue. (Apache Commons Collections Java library insecurely deserializes data.)
- Fixed a vulnerability for clickjacking.
- SFM CPU load goes up to 99% after a security search is performed by security scanner software.
- In the case of SOP Optimized mode (Hybrid), an error message regarding a failure to access SFM-S is displayed on the built-in profile although SFM-S has not synchronized any profile.
- Devices with SLNX SOP Optimized mode (Hybrid) reset the count for Sleep Mode if SFM Smart SDK application fails to transfer error logs or syslogs to SFM-S, and then does not switch to Sleep Mode.
- SFM Smart SDK application fails to connect with SFM-S via an SSL connection.
- In the case of SLNX SOP Optimized mode (Hybrid), a black screen will be displayed after logging in to the device.

Client Tool:
- Fails to spool print jobs that have empty job names.
- Many desktop Agent icons are displayed in the task tray.

Report Generator:
- Generated report is also attached to the notification email if the Export to Folder function is enabled.

Other
*- The following card ID info can be masked as ***** strings.*
  • Web UI / Log / Exported CSV
  Notes:
  Masking a card number in the database is out of scope.
  Support the masking function with the configuration file change.
- Support Screen Customization for SOP.
- Fixed a vulnerability for clickjacking.
- Support for creating a SQL DB without sysadmin privileges.
- Improvements to login performance when using Kerberos authentication.
- Performance when generating a customized report has been improved (speed and amount of memory used).
- The allowable difference time for Single Sign On between ADM and each application server has been changed to 5 minutes.

2.6.2	*Application versions included in this release:*						
		ADM	*AAM*	*SFM*	*SPM*	*RG*	*Client Tool*
	PC Appli cation	***2.6.2.0***	*2.6.1.0*	*2.6.1.0*	***2.6.2.0***	*2.6.1** ***Build id:I2016 060313 1216***	*1.3.2**

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| | SDK Appli cation | - | -2.6.1.0 (For MFP)
-2.6.1.0 (For LP)
-2.6.1.0 (4.3inch panel printer)
-2.6.1.0 (for SOP) | 2.6.1.0 (For MFP) | -2.6.1.0 (For MFP)
-2.6.1.0 (For LP)
-2.6.1.0 (4.3inch panel printer)
-2.6.1.0 (for SOP) | | |

- *Client Tools are not included on the SLNX product DVD. Client Tools can be downloaded from the firmware download site.*

Fixed:

1. Administrator Manager screen is frozen.
   1-1. If a user checks the " Copy Preferences" radio button in the ADM Web UI's "Screen Settings" and then selects any other setting screen, the screen will freeze.
   1-2. If a user checks the " Copy Preferences" radio button in the ADM Web UI's "Screen Settings" and selects the "OK" button, the settings will be canceled and not saved.

2. SSO fails from Administrator Manager to the Secure Print Manager Server Web IU.
   -SSO from ADM to SPM-S fails, after an overwrite installation of SPM-S is performed.

3. Report Generator's schedule function does not work after upgrading from v2.6.0 to v2.6.1.
The schedule function for synchronization and sending e-mails does not work after upgrading RG v2.6.0 to v2.6.1.

2.6.1	*Application versions included in this release:*						
		ADM	*AAM*	*SFM*	*SPM*	*RG*	*Client Tool*
	PC Appli cation	*2.6.1.0*	*2.6.1.0*	*2.6.1.0*	*2.6.1.0*	*2.6.1.0 Build id:I2016 051712 1848*	*1.3.2**
	SDK Appli cation	*-*	*-2.6.1.0 (For MFP) -2.6.1.0 (For LP) -2.6.1.0 (4.3inch panel printer) -2.6.1.0 (for SOP)*	*2.6.1.0 (For MFP)*	*-2.6.1.0 (For MFP) -2.6.1.0 (For LP) -2.6.1.0 (4.3inch panel printer) -2.6.1.0 (for SOP)*	*-*	

* Client Tools are not included on the SLNX product DVD. Client Tools can be downloaded from the firmware download site.

Client Tool versions included in this release:
 RICOH Streamline NX Client Tool V1.3.2.0
 RICOH Streamline NX Client Secure Print V1.3.2.0
 RICOH Streamline NX Client Delegation Print V1.3.0.0
 RICOH Streamline NX Client Accounting V1.3.0.0

Supported models:
   -MO-C2
      *SLNX v2.6.1 (SOP Optimized mode) does not support the "zero count stop" function for copying on MO-C2.

-uWVGA device support:
   -Lunina-P2 4.3 inch panel (This device is available in Japan only.)

Supported:

Only for Smart Operation Panel-G2 Hybrid Mode (SOP Optimized Mode):
-Panel auto logout timer:
Select whether to enable the panel auto logout timer function. When this function is enabled, a login user will be automatically logged out if the user does not operate the device for a specified period of time.

-Screen after Guest login:
It is possible to select which screen is displayed after a Guest user logs in.
   1. Home Application
   2. Secure Print Manager (for Hotspot)
   3. Copy

-Back key availability
The back key provided by the SOP is available in the case of SLNX Hybrid Mode (SOP Optimized Mode).

-Copy preferences:
ADM supports "Import or Export Settings" for Smart Operation Panel-G2.

-Home Button improvement:
The SOP Home Button (House icon) specification is configurable.

-SFM-E Home improvement:
SFM-E for Hybrid Mode (SOP Optimized Mode) can only have scan projects on SFM Home in v2.6.0. In v2.6.1, SFM-E for Hybrid Mode (SOP Optimized Mode) can have additional projects on SFM Home.

- Improved login screen and password field on the operation panel
Improved login screen and password field for Hybrid Mode (SOP Optimized Mode)..

- Improved "Group menu" button display
In the case of SLNX Hybrid Mode (SOP Optimized Mode), the design of the group menu icon has been improved.

- Improved 'Nach Oben' GERMAN translation on the SFM-E screen
In the case of SLNX Hybrid Mode (SOP Optimized Mode), the name of the button for returning to the profile's top screen has been changed from "Top" to "Back".

-Support for the Mexico Legal paper size
8 1/2 x 13 2/5 Landscape is available as a scan size for 10.1 inch profiles.

-DisableGuestBuiltinProjectButtonForSOP(This is tool name)
There is a support tool for the Built-in Screen for Guest. It is bundled with SFM-S. The tool can change the availability of the 5 buttons (Copy, FAX, Scan, SLNX Secure Print, and Print) on the Built-in Screen for Guest.

-Display "****" instead of "Anonymous" on the SOP operation panel as the user name in the case that the Mask function is enabled.

Common between Smart Operation Panel-G2 Hybrid Mode (SOP Optimized Mode) and Compatibility Mode (Standard Mode):

Client Tool:
-By changing the Client Tool's property file, the Client Tool can retrieve a specified domain name from the property file instead of the client PC's domain name.

Scan and Fax manager:
-Support for larger images for project buttons on the SFM Support screen.

-Profile Copy function has been added.

-A function for converting a profile from WVGA to 10.1 inch has been added.

-The screen size (WVGA / 4.3 inch / 10.1 inch) that a profile is dedicated to is added in parenthesis after the profile number.

-The Activation Tool now supports the displaying of multiple languages.

-The Streamline NX Scan and Fax Manager service will be restarted automatically if the service is not in "running" status or the web service cannot respond.

Secure Print Manager:
-Color limited users can select Delete/Cancel in SPM-E.

-Print data compression:
   This function can compress print data on the SPM-S side and extract print data from the SPM-E side. This setting can be configured in the SPM-S Web UI parameter settings. The default setting is "Do not Perform".

Administration Manager:
-An error notification appears when a prohibited character is used in the ADM built-in user's password.

-Matching of the LDAP attributes between the ADM and AAM-S Authentication settings.

-ADM v2.6.1 utilizes SAML to use SSO in order to eliminate the risk of spoofing between servers. Therefore, ADM v2.6.1 or later cannot connect to older versions of other servers with SSO in order to avoid possible spoofing. Please match the ADM versions and the versions of the other servers.

Fixed
Authentication and Accounting Manager:
-When a user logs in to a device, a "You do not have the privileges to use this function" message is displayed for a moment before SLNX is displayed.

-In SLNX v2.6.1, when a device preference that requires the restarting of the device is applied to a device from ADM, AAM-E will be frozen and an "Out of Service" error message will be displayed.

-If the "Account is sensitive and cannot be delegated" check box in the "Account" tab in a user's properties in Active Directory is checked, Kerboros authentication will fail.

-In the case of Kerberos authentication, user authentication will become gradually slower due to the use of a single thread in AAM-S.

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Scan and Fax manager:
  -Send To Folder delivery is delayed when performing Kerberos authentication.

  - The destination path for the Send To Folder or Send To WebDAV services seem to be unselected on the operation panel when the startpoint path has been selected.

  - Displays the hidden scan paper sizes on uWVGA operation panels.

  - Fails to deliver stored inbound Fax documents when the SLNX SDK application starts running.

  - The SSL settings are disabled when performing an overwrite installation of the SFM Admin Tool with SSL settings.

  - SFM may rotate scanned documents to an unexpected orientation when Color or Gray Scale is selected for the Scan Type setting.

  - An error message is displayed on the device operation panel when using the Secondary server and the Error Notification function is enabled. (Server Edition only.)

  - The SFM SDK application is not useable when the "Continue" button is selected right before the timer count for waiting additions become zero.

  - It may not be possible to close dialog boxes when using the Send To RightFax service plug-in and Required Manual Entry Confirmation is enabled. (Server Edition only.)

  - An illegal screen may be displayed when displaying the destination list for the Send To RightFax service plug-in and Required Manual Entry Confirmation is enabled. (Server Edition only.)

  - When using the "Image Correction" plug-in, delivery will be successful but some page data may be deleted and not sent.

  -When sAMAccountName is set for the Login User Name box, SFM will utilize only sAMAccountName as the user name. As a result, scanning to another domain destination folder will fail.

Client Tool
  -If a user prints a job from the application after it is started with "Run as administrator", storing print jobs on the client PC will fail.

  -In the case of Kerberos authentication, registration of IP addresses to AAM-S will become gradually slower.

Other
  -An error message will be displayed if an error occurs during DB creation.

  -TLS1.2 support.

  -Keystore password encryption has been improved.

  -MO-C2 support has been added but the zero count stop function for copying is not supported.

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	-Support for SQL Always On.
	Client Tool *If the client tool fails to start properly, the print spooler will be restarted automatically (the retry limit is 15 times). When the retry limit is reached, an error message ("RICOH Streamline NX Client Tool could not be started correctly. Please restart your computer.") will be displayed.*

2.6.0	*Application versions included in this release:*						
		ADM	*AAM*	*SFM*	*SPM*	*RG*	*Client Tool*
	PC Appli cation	*2.6.0.0*	*2.6.0.0*	*2.6.0.0*	*2.6.0.0*	*2.6.0.0*	*1.3.0**
	SDK Appli cation	*-*	*-2.6.0.0 (For MFP) -2.6.0.0 (For LP) -2.6.0.0 (4.3inch panel printer) -2.6.0.0 (for SOP)*	*2.6.0.0 (For MFP)*	*-2.6.0.0 (For MFP) -2.6.0.0 (For LP) -2.6.0.0 (4.3inch panel printer) -2.6.0.0 (for SOP)*	*-*	

* Client Tool is not included in SLNX product DVD. A Client tool can be downloaded in firmware download site.

Supported models:
   -Support for the following new models has been added:

      Model MET-C2abcdeyz (Compatible mode & Hybrid mode) *1
      Model LE-C1b (Compatible mode & Hybrid mode) *2
      Model GR-C2(Hybrid mode) *3

   *1 Support timing is based on the H/W release date.
   *2 Support timing is based on the H/W and specific Smart Operation Panel firmware
     release timing.
   *3 Support timing is based on the Model MET-C2 release date. Firmware update is
     required. New firmware version and release date: TBD）

Supported:
 *- **Advanced UI Support***
   - Only Hybrid mode.

 *- **Report Generator Improvements***
   -Optional Report Templates that display US Paper Sizes
   -Customizable reports
   -Better configuration of schedule report periods
   -Backward compatibility (up to SLNX 2.2.1)
   - Mask settings for AAM-E and AAM-S have been added for setting all users as
    "anonymous", including users who have never used Quota points during the Quota
    period.

 *- **ADM, AAM-S Default Instance support***

 *- **Vulnerability response:***

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*Encryption of parameters in request data between SPM-E and SPM-S/Client Tool.
(Parameters: User name, Job ID, and Request time)*

- Windows 10 support
- Java 8 support
- VMWare vSphere v6.0 support
- HotSpot Enterprise v3 linkage support (v2.6.0 and v2.5.1)
- SFM plug-in activation change from GMP to eDC-i

- Client Tool
   From Client Tool v1.3.0, when "Force Value" is applied using "Import Configuration"
   button, the value can be changed in "Administrator mode" by using the import function.

- SPM-E(+HDD)
   SPM-E(+HDD) v2.6.0 has only been verified to support 07S-14S (GW or GW+).
   Function added after SLNX v2.2.1 can be not used in SPM-E(+HDD) v2.6.0. For instance
   a delegation function of Client tool, billing code cannot be used.

-Administration Manager:
   The ADM installer will not overwrite the keystore and cacerts files if the same file names
   exist in the specified folder.

Fixed:
 - Report Generator:
   - The Quota Report is not generated during a designated week/month but between the
     "Reset User Point" timings for both the start and end time of the Quota period.

   - Line breaks in the message confirmation dialogue differs between report deletion and
     report schedule deletion.

   -The value of the decimal part of a cost calculation result will be incorrect if the integer part
     consists of 7 or more digits.

   -When an upgrade installation to either v2.4.x or v2.5.x is performed, the settings for
     disabling SSL 3.0 will not work in RG.

   -An error will occur if the "Portecle.bat" file is executed via "Run as Administrator".

 -Administration Manager:
   -When using the "Batch Configuration function" with SLNX v2.5.x, an unnecessary waiting
    time occurs between each template application.

 -Authentication and Accounting Manager:
   -The Quota Group Administrator cannot enable Usage Limit Management in the user
    properties when additional points are given to the user at the same time.

   -If round robin DNS is used, AAM-S caches the IP addresses of the KDCs it cannot
    successfully connect to. AAM-S will not try connecting to those cached IP addresses until
    AAM-S fails to connect to all other KDCs.

   -"Next Execution Time" for User Point Reset in Quota Group Management is not displayed
    correctly.

   -When a print job's document name exceeds 256 characters, the recode is not registered
    in the AAM-S job logs.

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-The behavior that causes an unnecessary "ERR_69_001" error message to be registered in the AAM-S debug logs has been fixed.

-Scan and Fax manager:
- It is not possible to start scanning from the metadata screen after changing settings in SFM AdminTool's General Settings.

-Optimize the number of retries for Inbound Fax document delivery.

-Kerberos authentication fails when the destination's alias hostname set in the KDC is different from the server name entered for the destination path in the SFM AdminTool.

- Simplified Chinese text cannot be recognized in searchable PDFs created by the PDF Converter(Enhanced) filter.

- The PDF Converter(Enhanced) filter fails to create searchable PDFs that include some tables.

- The PDF Converter(Enhanced) filter fails to create searchable PDFs that include over 150 pages.

- The PDF Converter(Enhanced) filter creates PDF files that are not compliant with PDF/A-1a or PDF/A-1b when either is selected.

- When updating SFM-S, the isapi log size becomes large.

- When importing project data from an older version, the tab order will be changed in the filter menu.

- When a double-sided document is scanned, the back side is rotated to unexpected orientations. This fix is dependent on specific Java VM versions. Please be sure to update Java VM accordingly.

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Model	Java VM version
AL-C2	10.20.05
AT-C3	10.20.05
AP-C3	10.20.05
MT-C5	10.20.05
GR-C1	10.20.05
MO-C1	10.20.05
S-C5	10.20.05
K-C4	10.20.05
CH-C1	11.26.04
CH-C1 pro	11.26.04
MET-C1ab	11.26.04
MET-C1cde	11.26.04
MET-C1yz	11.26.04
OR-C2	11.26.04
BR-C1	11.27.00
Gim-MF1	11.26.04
Z-C2	12.12.06
Cor-C1	12.11.04
Leo-C1	12.12.06

Other
-Even though the SSL setting is enabled on the device, the certificate validation will be ignored by ADM.
Smart Operation Panel-G2 devices that support the Air Print function have the function set as "Active" by default. SSL is set as "On" by default and a certificate is created automatically. In this case, ADM v2.5.x or earlier requires the certificate for the SSL connection per device. If the certificate is not imported into ADM, the SSL connection will fail. Because devices that support the Air Print function have been released, from ADM v2.6.0, the specification has been changed and certificate validation is not conducted in order to avoid connection failures to devices that have the function.

2.5.1

Application versions included in this release:

	ADM	AAM	SFM	SPM	RG	Client Tool
PC Appli cation	2.5.1.0	2.5.1.0	2.5.0.0	2.5.0.0	2.5.0.0	1.2.1*
SDK Appli cation	-	2.5.1.0 (For MFP) 2.5.0.0 (For LP) 2.5.1.0 (4.3inch panel printer)	2.5.0.0 (For MFP)	2.5.0.0 (For MFP/LP)	-	

* Client Tool is not included in SLNX product DVD. A Client tool can be downloaded in firmware download site.

Supported models:
   -Support for the following new models has been added:
      Model GR-C2(Compatible mode only)
      Model BR-P1

Supported:
 -Authentication and Accounting Manager:
      -The search function is available when assigning a Quota group to "Quota Group

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Administrator".
(AAM-S Web UI --> Configuration --> User Settings --> User property).

-AAM-S supports round robin DNS in the case that AAM-S and the PC Client Tool exist on different domains.

Fixed:
 - Secure Print Manager:
    -A device may reboot when a user is logged out with "Anytime" setting for the "Cancel processing jobs at logout" function.

Other:
 -Client Tool
    -Print jobs stored on Client PCs are made more secure via the following security enhancements:
        1. Encryption scheme
        2. Files names that are hard to guess

    -Document names can be masked when E2EE is used.

    -The "Everyone" access privilege has been removed from the program installation folders.

2.5.0

Application versions included in this release:

	ADM	*AAM*	*SFM*	*SPM*	*RG*
PC Application	*2.5.0.0*	*2.5.0.0*	*2.5.0.0*	*2.5.0.0*	*2.5.0.0*
SDK Application	*-*	*2.5.0.0 (For MFP) 2.5.0.0 (For LP)*	*2.5.0.0 (For MFP)*	*2.5.0.0 (For MFP/LP)*	*-*

Supported models:
    -Support for the following new models has been added:
        Model Z-P2

    -Regarding which models support which functions, refer to the "Precondition chart for SLNXv2.5.0.xlsx" file for detailed information released by marketing section.

Supported:
 - Billing Code
    Enable this to visualize costs by choosing "Customer name (Billing code)" and "Project name (Matter code)". This meets demands for grasping usage on reports for every project, not every section.

 -LP Follow-Me Print
    Enables print job selection in SPM-E on 4.3-inch panel LP devices.

 - Serverless OCR
    Supports serverless workflows like GlobalScan NX. This is useful for lessening the amount of servers in an environment when required. It provides a PDF with Device OCR function by using the device's OCR function.

 -SFM error message e-mail notification
    In addition to the current SFM e-mail notification function, detailed error information can be included in the notification e-mail.

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Administrators can select the message destination: "Login user" and "Administrator".

-Client Tool
  - Roaming print(Store in Client PC (Do not use SPM Server))
    A roaming print function is supported in addition to "Store in Client PC (Do not use SPM Server)".
    By configuring some server path in Client Tool, a user can submit and release print jobs to multiple locations.

  -Improvement to USB accounting
    -When using Client Secure Print via the standard TCP/IP port or USB, logs will be registered to AAM-S.

Work with PKI module:
  *The PKI module needs to be customized to suit each customer's specific environment. Therefore, customization requests to RCL will be required.

  - Support for alphanumeric software keyboard card PIN input
    When a card that requires PINCODE verification is detected, the "Card PINCODE Entry Dialog" will appear. Not only numbers, but letters and symbols can be input as a PINCODE via the soft keyboard when a user swipes their PKI card.

  -Client Tool
    - End to End Encryption (Store in SPM Server)
    This can be used in situations where customers want to use SPM-S for secure print management and require the encryption of jobs sent from clients to print servers.

      Preconditions:
        -Client Tool (Client Secure Print option) is needed as a module for End to End Encryption.
        -SPM-S and the PKI module are required.

Fixed:
 - Secure Print Manager:
    -If the failed to access to DB during the print data sending, the jobs of printing status is remained although the print is success. Also, the jobs cannot delete or print.

    -When using SPM(+HDD) on device of uWVGA panel, the sort will be descending order under the below condition.
        - Sort condition is the ascending order and "Date/Time".
        - Check the job list after log in to device

 -Scan and Fax manager:
    -When a details view of job is displayed, Keyboard input focus exists in the text box for search string although it is grayout.

    -Send To Folder fails if SFM fails to get a service ticket for Kerberos authentication from one KDC although there are multiple KDC servers.

    -Improve the security vulnerability process(directory traversal).

    -Editing a project fails after "Divide Email" function in Service screen moves to "Hidden Items" section.

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	-Authentication and Accounting Manager:
	  - Default conversion rate and rule for Quota Group can be specified.
	  - Conversion rate and rule category name for Quota Group can be modified during
	    operating.
	
	-Report Generator:
	  -The simplex value is displayed to minus on the report under the below condition.
	     - Date and time of occurrence of the accounting data is the same.
	     - User name is the same.
	     - Jobs property is the same.

2.4.1	Application versions included in this release: <table><tr><td></td><td>ADM</td><td>AAM</td><td>SFM</td><td>SPM</td><td>RG</td></tr><tr><td>PC Application</td><td>2.4.1</td><td>2.4.0.0</td><td>2.4.0.0</td><td>2.4.1.0_01</td><td>2.4.0</td></tr><tr><td>SDK Application</td><td>-</td><td>2.4.0.0 (For MFP) 2.4.1.0 (For LP)</td><td>2.4.0.0 (For MFP)</td><td>2.4.0.0 (For MFP/LP)</td><td>-</td></tr></table> **Supported models:** -Support for the following new models has been added: Leo-P1, Leo-C1, BE-C2 -Regarding which models support which functions, refer to the "Precondition chart for SLNXv2.4.0.xlsx" file for detailed information. **Supported:** -Quota Group Management and Zero Count Stop function This function provides quota group management and applies the zero count stop function based on the quota settings. -Language preference setting Selected languages can be managed per user. For customers with many users that use different languages, the language displayed on the devices can be switch to each user's preferred language. -Serverless Scan to Mail / SMIME Mail Serverless scan (sending mail) is provided in v2.4. This can reduce the service cost of maintaining scan servers and lessen the burden on network traffic in customer environments. -Web Server Vulnerability (Disable Cache) Use this function for enhanced security. -Web Server Vulnerability (Add "Secure" and "HttpOnly" to cookies) Use this function for enhanced security. -Brute forcing protection Use this function for enhanced security. -Web Server Vulnerability (Disable Embedded Web Application) Use this function for enhanced security. -Print job name mask on print queue

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Enable to encrypt the print job names for print data stored in SPM-S. It will take a maximum of 5 minutes to reflect the mask settings in the SPM-S queue.

-Print job name encryption on DB
Enable to encrypt the print job names in the SPM-S database.

-Hide scanned job name
Enable to mask the print job names in the job log list.

-Extend user name length from 10 to 128 characters.

-Life Cycle Management
* Revisions to the schema information documentation for Report Generator.
・Custom reports generation
・Server capacity increase
・Solution Lifecycle – Upgradability
・Solution Lifecycle – Device Support

Work with PKI module:
  *The PKI module needs to be modified to suit each customer's specific environment. Therefore, modification requests to RCL are required.

  -Client Secure Print without SPM-S
    Client Tool (Client Secure Print Option) V1.1.x provides Secure Print without SPM-S mode.(Preconditions)
    •   Only Client Tool (CSP) V1.1.x provides this function.
    •   Client Tool (CSP) V1.1.x needs to be used with Kerberos authentication set as ON.
    •   SPM-E requires the PKI module when Kerberos authentication is set as ON.
        * Refer to the "Precondition chart for SLNXv2.4.0.xlsx" file for detailed information.
    •   "Desktop Client Print Job High Availability Mode" needs to be set as ON in the ADM configuration.

  -Remote configuration (Java under 128-bit)
  Enable an ON or OFF option for switching SSL communication for Java SDK applications to under 128-bit encryption. (Default setting is OFF.)

  -Remote configuration (Extended APDU)
  Enable switching Extended APDU to either ON or OFF. (Default setting is OFF.）

  -Decolorizing Print Jobs (Forced Monochrome)
  The quota rules set in AAM-S will be applied to printing via Platy as well.

Fixed:
  Administration Manager:
    -If a Device Batch Configuration Policy that includes a Device SDK template is executed, the Device SDK template will fail to be applied and the Policy will be stopped.
    Note: Because the Device SDK template fails before the Device SDK files are sent to the device, the device will not enter an invalid status.
    - Regarding "contents of ticket" in the "Helpdesk Integration" function in SLNX v2.4, only an IP address can be used as the value for "device ID" in the ticket.
    From SLNX v2.4.0, not only an IP address but also a host name can be used for "device ID".

  Scan and Fax manager:

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-If the DN includes the "&" character, the user will fail to access the project configured in the ACL function.
-If the customer uses a capital letter in the FQDN domain name, if a user selects an SFM project on the device panel, authentication for the SFM project will fail.
-If a user operates "Send to Me" or "Send to Home Folder", if another user operates the same project on the same MFP, there is a possibility that the second user's job(s) will be delivered to the first user's email address.
-When SFM-S performs the Kerberos authentication process for multiple jobs at the same time, the Send To Folder process will fail.
-An error message was displayed when opening the device list screen via the secondary delivery server's AdminTool.

Authentication and Accounting Manager:
-PIN codes are not included in exported .csv files.
-In the case of Kerberos authentication and round-robin environments, authentication may fail.
-For LPs (12A or earlier models), AAM-E cannot register AAM-S extend field information (Extension 1-10), cost center and department to accounting logs.
-If AAM-LCS is used, guest users may be locked out on the external authentication server.

Secure Print Manager:
- DB access has been sped up by data refactoring, causing error message 452 to be displayed when the DB load becomes too high.
-The software would occasionally stall when installing SPM (+HDD) v2.2.0.0 to Methis devices.
- If access failed when attempting to send print data, the jobs remained in the DB with a"Jobstatus=2" status.
-When there are multiple SPM-S installations, duplicate job deletion logs are registered automatically by each server.

Client Tool:
- The print data storage location has been changed to the system data folder specified when installing the Client Tool.
Default path: C:\Program Files\Ricoh\DesktopAgent\data.

Report Generator:
-When using IE11 on a server OS, if the "IE Enhanced Security Configuration" setting is "On", when changing to the login screen from the admin screen, a "about:blank" warning will be displayed.
-When displaying a list of reports by category for each date, the categories will not be sorted.
-The vocabulary used in parts of the RG user interface has been improved.
-When the AAM DB and RG DB are synchronized, the extended fields require case sensitivity.
-When the AAM DB and RG DB are synchronized, the user does not require sysadmin privileges.
-If the name of the data path used for installing RG was too long, it was not possible to log in to RG.
- An RG UI configuration option has been revised in "Connection setup to AAM database / ADM database" as follows:
 "Use same Instance as RG (If not checked, Linked Server will be created)"
-In the RG UI, the term "10,000" was changed to "10000" in the "Maximum lines in a report" setting because the configuration failed to recognize "10,000".
- If there was an attempt to send a created report to an email address but the email settings were not configured, an error message was not displayed.

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	- If a character besides a number was entered in the port number settings, an error message was not displayed. *-A function has been added that checks the amount of characters in email addresses.* *- When RG cannot recognize the paper size in AAM-S database, data could not be synchronized. This will no longer occur and the unknown paper size is counted as small.* *Other :* *-Security measure for "POODLE" vulnerability.*
2.3.1	*Application versions included in this release:*

	ADM	AAM	SFM	SPM	RG
PC Application	*2.3.1.0*	*2.3.0.0*	*2.3.1.0*	*2.3.1.0_01*	*2.3.0*
SDK Application	*-*	*2.3.0.0 (For MFP/LP)*	*2.3.0.0 (For MFP)*	*2.3.0.0 (For MFP/LP)*	*-*

Fixed
- ADM License Recovery Function password is fixed (Hidden Function)
- Fails delivery when multiple tiff files are processed by the Image Correction filter when SFM is running on a native 64-bit OS.
- Unnecessary csv download processing invalidation (SPM-S load reduction for preventing 452 error.)
- Double delete log registration invalidation (SPM-S load reduction for preventing 452 error.)

2.3.0	*Application versions included in this release:*

	ADM	AAM	SFM	SPM	RG
PC Application	*2.3.0.0*	*2.3.0.0*	*2.3.0.0*	*2.3.0.0_15*	*2.3.0.0*
SDK Application	*-*	*2.3.0.0 (For MFP/LP)*	*2.3.0.0 (For MFP)*	*2.3.0.0 (For MFP/LP)*	*-*

Supported:
-Support for new models has been added
* - N-C3, MO-C1, Gim-P1, Da-P1, MET-C1, CH-C1Pro(GW+ controller), Cor-C1.*
-Additional Support Model for Host system print.
*   - SLNX support Host system print with 13A or later.*
- Microsoft SQL Server 2014
- FireFox ESR24, IE11
- VMware and HyperV
    VMware:
     - VMWare ESX 4.0/4.1/5.0/5.1.0
     - VMWare vSphere 5.5
     - VMWare vCenter Site Recovery Manager 5.5
    HyperV:
    Windows Server 2008 Hyper-V 1.0
    Windows Server 2008 R2 Hyper-V 2.0
    Windows Server 2012 Hyper-V
    Windows Server 2012R2 Hyper-V

-Citrix
  - Supports the following edition and version of Citrix:
  - XenDesktop 7.5 App/Enterprise/Platinum
     - Networkprinter method(using the printer on the virtual PC)
  - XenApp 6.5 Enterprise/Platinum
     - Networkprinter method(using the printer on the XenApp server and on the client PC)
  Target: SPM-S

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-Microsoft failover clustering
    Microsoft Windows Server2008
    Microsof Windows Server2008 R2
    Microsof Windows Server2012
    Microsoft Windows Server2012 R2
  - SFM-S is out of scope.

-Microsoft SQL Server clustering
    SQL 2008（Standard/Enterprise)
    SQL 2008R2（Standard/Enterprise)
    SQL 2012（Standard/Enterprise)
    SQL 2014（Standard/Enterprise)
  - SFM-S is out of scope.

Others:
-Additional languages (Danish, Portuguese, Norwegian and Russian) are supported for UIs for end users.

  Administration Manager:
    - Ticketing System (Helpdesk interface) ADM can receive trouble tickets from the external helpdesk system and ADM will show the error messages on device's operation panel.
   - Change admin password. The Supervisor Administrator password for MFDs can be changed in the ADM configuration functions.
   - ADM supports basic functions for 3rd vendor devices (MFP/LP) which are capable of public MIBs. Each region is responsible for testing 3rd vendor devices.
   - Store polling log. Allows for the retrieval of "Started" and "Finished" polling results logs. Also, the results of scheduled or manually triggered device polling is collected.
   - ADM will automatically apply a policy if it detects new devices that do not have the policy applied. Once an administrator adds a new device to the device group, the policy will be applied automatically.
   - When ADM starts to apply a Device Preference policy / a Device Software policy, maintenance messages will appear in the operation panel's banner area and the device will be locked.
   - SDK application distribution from ADM with HTTPS

  Scan and Fax manager:
    - "Logout" button on all SLNX screen. (Standard applications (copy, fax, etc.) are out of scope.
    - Send to CMIS is supported.
    - Send to SharePoint(Enhanced) supports to deliver to My site.
    - The PDF Stamper filter is supported.
    - The OCR and PDF Converter filters support Traditional Chinese as an OCR language.
    - The timeout for the OCR process has been adjusted.
    - 3 additional OCR languages (Arabic/Vietnamese/Hebrew) have been added in Enhanced PDF Converter plug-in by activating this option.
    - A6 Landscape size can be used as a paper scan size.
    - Custom Size can be used as a paper scan size.
    - It is possible to select if preview is enabled by default.
    - "Mixed Original Sizes" is supported by SFM on MP 301 and MP C305.
    - If using Secondary Delivery Server Settings, Administrators can be informed if the server used for delivery has changed to the secondary server from the primary server.
    - Regarding the number of replacement table entries, the max entries for 1 table has been changed to 700 entries from 500 entries, and the max entries for the total number of entries for all tables has been changed to 5000 entries from 2000 entries.

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- The PDF Converter (Enhanced) filter supports a deskew function.
- Traditional Chinese was displayed in the OCR language list as a default in the PDF Converter (Enhanced) filter.
- The compression format has been changed from CITT4 to JBIG2 when PDF Converter(Enhanced) compresses a black and white type file.
- Required free space on the drive has been changed to 2GB when installing the SFM application.
- The IIS web service log has been rotated.
- The Send to Folder packet size has been made larger.
- The default port number has been changed in the Authentication and Accounting Manager settings.
- It is possible to refer to the profile ID from the SFM server registered in ADM.
- When the built-in profile is used, projects configured with unavailable function are not displayed.
- The limit number of registered device has been changed to 2000.
- [ConfigUtil Tool] Skip Service-Select view when there is only one service used in the project after inputting metadata.
- [ConfigUtil Tool] The timeout value between the SFM AdminTool and SFM server can be changed.
- [ConfigUtil Tool] Change the packet size when SFM performs "Send To Folder"

Authentication and Accounting Manager:
- Selected attribute Synchronization. Administrator enables to select the each attribute to synchronize with the authentication server.
-Secondary PIN support (Card authentication + PIN)
-Round Robin Authentication using DNS
-External Keyboard function
-"Count interval" value of account interval for LP was added in AAM Embedded settings of ADM Web UI.
-If the user name included as the "Authentication Settings Name" in the print data is longer than 32 bytes, print jobs cannot be printed.

Secure Print Manager:
-Mask job name log.Users can select ON/OFF to mask print job name log and scanned job name log. Once you select ON, job name logs will not be retrieved as a report.

Fixed
Scan and Fax manager
- Delivery is delayed because of repeated unnecessary attempts to access the domain controller by the Send to Folder Service.
- PDF is not displayed in the File Format settings and the PDF Converter filter is not displayed after installation.
- Compressed TIFF format is converted to an uncompressed MMR format when using Auto Color Select in the Scan Type settings.
- The Barcode Plug-in process loops when it processes a job after redirection by the Flow Redirect filter.
- The black belt enters the output data when using the Send to Printer service.
- Scan Type changes are not reflected when changing to "Black & White: Text/Photo" from other types.
- Memory leaking occurs when SFM fails to write logs to system log files.
- Unable to log in to the SFM AdminTool after a scheduled backup is performed.
- A string with parenthesis ("(" and ")") is redundantly registered to a Replacement Table when the Auto Entry and Using Regex option is enabled.
- An unnecessary folder is made in the SFM install folder when the SFM Windows service

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is restarted.

- *The "bin\DPL" folder is not deleted when SFM is uninstalled.*
- *The FTP plugin continuously waits for a reply from FTP Server.*
- *JavaVM crashes when the starting day of summer time is input to the metadata on a device with the summer time setting configured.*
- *A beep sound is not made when pressing down the # button on a device when using "Mixed Batch" setting as the scan method.*
- *Update installation fails because of a failure to access the RDPCOMIF.exe file.*
- *Job logs are not displayed on the device panel when the specified characters are included in user name.*
- *Send to SharePoint(Enhanced) supports delivery to My Site.*
- *Job logs are not displayed on the device panel when the specified characters are included in user name.*
- *Displays the same registered device information redundancy in the SFM AdminTool's Device List.*
- *Fails to display the ScanSetting screen on the device panel when using the Screen Customization Tool.*

Secure Print Manager:
  -*The "device direct print" function was added in Streamline NX v2.2.0/v2.2.1. When using the Direct Print Port (SNX SPM Direct Port), print data remains in the server queue with the status as "printing" or the spooler service shuts down.*
  -*The "Device direct print" function is ON which was added in Streamline NX v2.2.0/v2.2.1. When a user information contained in the print data is longer than 32 bytes, print jobs cannot be printed.*
  -*When printing via direct port, if the direct port receives several print jobs at the same time, there is a possibility that the print data will become corrupted.*
  -*In SPM-E v2.2.0, if the MFP language setting is set to a language not supported by SLNX, SPM-E will fail to start.*
  - *If SPM-E(+HDD) is configured to use Chinese, some buttons labels in SPM-E(+HDD) are displayed incorrectly.*
  -*If a card reader is disconnected during printing from a MFP with SLNX installed, SC997 will occur.*
  -*When using the universal printer driver with SPM-E(+HDD), the print data document name becomes corrupted.*

Authentication and Accounting Manager:
  -*If multiple carets (^) are included in the Search Query for the Card Conversion Method in Authentication Management, the second or later caret (^) will not be replaced by the card ID.*
  -*When card authentication is performed, error A1000114 may be displayed on the device panel and the user will not be able to log in to the device if AAM-S version v2.1.1 or later is newly installed or a version update from 2.1.0 or earlier to 2.1.1 or later is performed.*
  -*User deletion logs in the AAM-S Web UI are not registered in the AAM-S debug log.*
  -*When a template is re-applied with no changes after a version up, if a new parameter is added in the new version, ADM applies the parameter as default. The default for "Check the User Existence on Authentication Server" in the AAM-S template is incorrect if an ADM version update from 2.0 to 2.1 or later is performed. ("Check the User Existence on Authentication Server" parameter was added in v2.1.)*
  -*When printing from an LP with SLNX v2.2.1 installed, authentication takes a long time.*

Report Generator
  - *If the Email subject in RG Email settings is left as blank, it cannot be saved.*

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	-A connection leak will occur when clicking the Lookup button in the Report Parameter settings or when continuously creating a report.
	-Even though a Scheduled Report was deleted, RG continues sending e-mails.
	-If the date format is listed in the order of 'day, month, year' as it is in German and Spanish, reports cannot be created.
	-When creating an Extended Field report, if 32 or more bytes are used in the Extended Field Value, the report will be blank.
	-When creating a notification containing 3000 or more bytes in the e-mail settings, notifications cannot be sent via e-mail.
	
	Other
	  -Security measure for "Apache Struts" vulnerability.
	  -Security measure for "Apache Commons FileUpload" vulnerability.

2.2.1.0	***Application versions included in this release:***
	
	|
		ADM	*AAM*	*SFM*	*SPM*	*RG* |
						|---|---|---|---|---|---|
						| ***PC Application*** | *2.2.1* | *2.2.0* | *2.2.1* | *2.2.1* | *2.2.1* |
						| ***SDK Application*** | *-* | *2.2.1 (For MFP/LP)* | *2.2.0 (For MFP)* | *2.2.0 (For MFP/LP)* | *-* |
						
						NOTE: *Each application version is increased when it has an actual change.*
						
						Supported:
						None.
						
						Fixed:
						  Administration Manager:
						  -ADM cannot apply the SFM-S template, displaying "Device Busy" error.
						
						  Authentication and Accounting Manager:
						  -Unable to output department and cost center based reports properly when AAM-E "Mask" is enabled.
						
						  Secure Print Manager
						  -When a user performs Secure Print for the first time, the print job might not be stored on the SPM-S if SPM-S is very busy.
						  -SPM-S "request" logs do not rotate properly and it results in the SPM-S log being an unexpected size.
						  -Garbled characters may be added by SPM-S Print Job Analysis if the print job has no PJL commands.
						
						  Scan and Fax Manager
						  SFM-S cannot synchronize to 2 or more load balance servers.
						
						  Report Generator:
						  -Unable to output User based report when specifying static "Hostprint" user from RG.

2.2.0.0	Supported: -Support for new models has been added (OR-C2, BR-C1, and Gim-MF1). -Windows 2008R2 Server DataCenter Edition is supported. -Windows 2012 Server Standard/DataCenter Edition is supported. -VMWare ESX 5.1 is supported -FireFox ESR 17 is supported. Others: -Additional languages (Danish, Portuguese, Norwegian and Russian) are supported for UIs for end users. -SLNX language displayed on the device can be selected on the device operation panel when

	ADM	AAM	SFM	SPM	RG
PC Application	2.2.1	2.2.0	2.2.1	2.2.1	2.2.1
SDK Application	-	2.2.1 (For MFP/LP)	2.2.0 (For MFP)	2.2.0 (For MFP/LP)	-

Model: **Streamline NX**	Date: 10-Feb-17	No.: RD639001p

user log in.
-Easier server certificate replacement (ADM, AAM-S, SPM-S, RG)

Administration Manager:
-ADM now supports Device License Management and Selectable License (Basic, SPM Option, SFM Option)
-ADM allows SFM-S profile distribution during administrator SFM-S login.
-ADM supports Java VM Downgrade.
-ADM can distribute SSL trusted keystores to AAM-E/SPM-E
-Pre-install self-signed SSL certificate on ADM
-Required remaining HDD size for ADM "Archive Logs" function is changed.

Authentication and Accounting Manager:
-AAM-S supports AD Synchronization for Card ID attribute.
-AAM-S supports user attribute modification for AAM-S local users.
-AAM-S reception role for temporary card management.
-Card Reader PC attachment for AAM-S card management.
-Case Insensitive Option for login user name registration on AAM-S.

Secure Print Manager:
-SPM-S/SPM-E can receive print jobs directly from the host system (without PJL header)
-Cancel all processing print jobs when the user logs out from the device.
-Secure Print on LPs when user swipes the card.
-LAN FAX Driver Support.
-Smart device is now supported.
-HotSpot Enterprise is now supported.

Client Tool:
-Client accounting using client software
-Rule based printing using client software
-Delegation Printing (Dynamic) using client software
-Client Secure Print using client software

Scan and Fax manager:
- The base version of Scan and Fax Manager has changed to GlobalScan NX v2.2.0.
-SFM Send To Email Address Search Settings has configuration for displaying search results on device.
-SFM supports Send To Exchange plug-in.
-SFM supports Send To FileNet plug-in.
-Default SFM-S profile for 4.3-inch models is added.
-SFM supports creating a self-signed certificate in the "SSL Setting Tool" if the built-in web server are used.
-Possible to save a custom metadata configured with no value in a data field via the Admin Tool.
-The image compression type is changed from JBIG2 to CCITT4 if the compression function is enabled in the Enhanced PDF Converter .
-"xlsx" and "docx" file formats has been added for when the OCR plugin converts file formats.
-One of the property items for configuring "Send to SharePoint(Enhanced)" has been changed from [Below the Library] to [Library and Folder Path].
-The OutcomeChoice field which is added from Share Point 2013 service is supported in "Send to SharePoint(Enhanced)".
-Delivery with a RightFax user who is not configured to "NT integrated" can be performed.
-Configuring a display priority order is available for the user information used in the search or delivery service in RightFax Plug-in.

Model: **Streamline NX**	Date: 10-Feb-17	No.: RD639001p

-"Group Searching" is available in RightFax Plug-in.
-The access to the RightFax DB is available via ODBC.
-An operation can be selected if the login user does not exist in RightFax Server.

Report Generator:
-RG now supports overwrite installation.
-RG Administration Login page now supports Japanese.
-RG now supports the use of the same instance as AD and AAM-S databases.
-RG now supports MS SQL default instance.
-RG's language selection menu is displayed by the language itself.
-Default values are added for RG database related fields.
-RG no longer supports exporting reports with PostScript.

Fixed:
Administration Manager:
-SQL sa password is in clear text in some configuration files in the ADM directory.
-When ADM specifies multiple email addresses for notification, email is sent only to the head email address.
-ADM cannot authenticate administrators by group, displaying "Failed to login. | Vector Enumeration".

Authentication and Accounting Manager:
-AAM-S Web UI's "Disabled Card IDs" search does not show the correct results.
-AAM-S Windows Service cannot be stopped if AAM-S cannot connect to the AAM-S database.
- Unable to login to the device SP mode form the SLNX login screen.

Secure Print Manager:
-When a 2GB or larger print job is sent from the PS driver, final page is printed as blank.
-SPM may fail to print CAD data with the PCL driver on 64-bit OS because of OS internal cache.
-Unable to perform secure print when a model-specific PCL driver is used.
-Printing using SPM-S Direct Port may result in "Operation could not be completed" on Windows 2012.

 Scan and Fax manager:
-If a project is modified on SFM-S after a login screen customization, the login screen is returned to default in the background once the SFM Server Policy is executed.
- Memory leak occurs when the image correction filter is used in 32-bit environments.
- The archiving process may fail when the archiver filter is used for multiple jobs.
- "Auto Color Select" configured to be undisplayed via the Admin Tool is displayed on the device operation panel.
- The paper size may be mistaken as "81/2*11" size if SLNX delivers a fax document which is A4 size via Send To Printer.
- Delivery fails if changing the delivery flow for a project with Image Converter and PDF Converter.
- The scanned job is missing pages or has another job's page if a large document set is handled in a process flow with the Image Correction filter.
- JavaVM may crash when any of the following filters are used for a long time in 64-bit OCR filter, PDF Converter filter, or Image Converter filter.
- LDAP authentication fails if a special character such as "=" , " \" , or """ is included in the DN.
- Checkbox number counter values in plug-in configurations cannot be updated correctly.
- If failover is used, accessing the job log from a device will be unavailable when the priority server cannot be reached.
- When scanning with a large manuscript set including color papers via "Auto Color

Model: **Streamline NX**	Date: 10-Feb-17	No.: RD639001p

	Select", color pages will be registered to unintentional pages. - If using the Barcode plugin, the PDF Converter filter may not convert the scanned document to a PDF file. - SFM fails the HTTPS transmission with an imported SSL certification against SharePoint servers. - The selection for the column "Yes/No" in the "Send to SharePoint(Enhancement)" Service settings is not reflected. - The value for RightFax "From Name" in the metadata information file will be replaced by a default value even there is no value. - Error messages in the System Log can be displayed properly with characters collapsed in optional plug-ins. Report Generator: -RG may fail to output the "BW&Color activity by department" report and display a "Database connection failed" error. -RG may fail to synchronize to the AAM-S database and display a "The INSERT statement conflicted with the FOREIGN KEY constraint FK_ActivityData_PAPER_SIZE..." error. -RG cannot output the report when an unregistered user code is sent. This typically occurs when the AAM-S database is re-installed and existing user codes are flushed. -Wording and layout correction for RG functions/UIs. -RG specifies incorrect default timestamp for "Scheduled once" report. -RG exported HTML format report does not contain chart image. -When RG outputs a reports with a name that already exists, suffixes are appended without increasing. -RG creates a temporary folder for installation before the installation is actually performed. Update the Java VM to the latest version before installing this update.
2.1.2.0	Supported: - Support for new models has been added (MET-C1 and CH-C1). Update the Java VM to the latest version before installing this update.
2.1.1.0	Supported: - Support for new model has been added (K-C4). Others: - AD/LDAP synchronization (Job Synchronization) is supported. - Delegate Print function is supported which allows a user to delegate their print jobs to other users. - Hard Logout Button is supported for 11A or later models. - Report Generator now supports "Print Job Name" report. - AAM-E can prohibit blank password input to avoid the security risk of LDAP anonymous bind. Fixed: - ADM may fail to perform "Batch Download Logs" for a device if the device is registered using the "Discovery" function. - Invalid device information registered on ADM may cause unnecessary CPU consumption. - ADM uses the HTTP (8080) port for AAM-E configuration even if SSL is enabled on the device. - Users cannot log in to the device if the user's "Classification Code" has been changed on the AD/LDAP server. - Accounting for "Alias Users" may be counted incorrectly if AAM-E is not installed on the device. - If SPM-S is rebooted, SPM Direct Port configuration may be changed unexpectedly. - SFM-S fails to activate the Zone OCR plug-in when SFM-S is updated from v2.0.1 or earlier.

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	- SFM-S Barcode plug-in on Windows 2008R2 fails to read barcodes if multiple barcodes are shown on one page. - Scanning report using SFM-E cannot be counted correctly. - Scanning delivery using Kerberos authentication may fail if a proxy user is configured to the authentication against destinations. - Report Generator cannot delete the "AAM/ADM Synchronization" setting properly once registered. Update the Java VM to the latest version before installing this update.
2.1.0.0	Supported: - Support for new model has been added (Ti-P1 for accounting purposes). Fixed: - Administration Manager's Windows service may stop during device discovery within a broadened IP range. - Administration Manager fails to apply a device policy that only includes SPM-E settings, not AAM-E settings. - Scanning projects controlled by the ACL are not properly grayed out/hidden on the device when AAM-E login user cache is used. - Device does not show an appropriate message when a project is deleted from the device. - Appropriate user input validation is not performed on the Authentication Management Setting screen in Administration Manager. - Scan and Fax Manager allows multiple ACL configurations from a single Authentication Settings configuration, in some conditions. - Temporary files in the Windows temporary folder (typically, "C:\Temp\RDPOCR\") on the HDD output by Scan and Fax Manager OCR process are automatically deleted. - SLNX shortcuts and icons are not removed during uninstallation on Windows 2003. - Pressing the "Apply" button triggers unexpected screen closing in Administration Manager. - Key input tones do not work during a user's PIN number input. - When the user cancels a device login, the user cannot re-input their password. - Administration Manager and Report Generator displays different serial number for Li-MF1. Others: - MS SQL Server 2012 is now supported. - Windows 8 is now supported. - Internet Explorer 10 is now supported. - Support for Japanese language. - Support for Felica/Mifare cards. - Device address book management function has been added to Administration Manager. - "Batch Download Log" function has been added to Administration Manager. - Temporary Card Handling (card expiration date and day card support) is now supported by Authentication and Accounting Manager. - "Local Authentication Profile" is now supported by Authentication and Accounting Manager. - The base version of Scan and Fax Manager has changed to GlobalScan NX v2.1.2. The SharePoint (Enhanced) plug-in and the Zone OCR plug-in are now supported. - Scan and Fax Manager's "Scan to Email" Division Size has been increased to 100,000KB. - UI and wording corrections made in Secure Print Manager Server. - Secure Print Manager Embedded with Device Secure Print has been added. - Secure Print jobs can be sent to LPs using tablet PCs. - New report templates have been added to Report Generator. - Deleted print jobs can be reported. - Report Generator can categorize reports by cost center and other extended attributes. - Report Generator now uses its own database. - The device's "Enhanced External Charge Unit Management" setting is changed to "enabled" during AAM-E's first start up (previously changed during every start up).

Model: **Streamline NX**	Date: 10-Feb-17	No.: RD639001p

2.0.1.0	Supported: - Support for new models has been added (AL-P2 and AP-C3 for accounting purposes). Fixed: - AAM-S's Windows service does not start after an overwrite installation of v2.0 is performed on a non-English OS. - The Streamline NX SDK application isn't displayed as the primary application on the device. - Creating a subfolder on a Domain-based DFS system causes Send to Folder delivery to fail. - Fax delivery sometimes fails for certain device models. - Enabling an Image Correction plug-in function enables all Image Correction functions for the 64-bit version. - Some SDK application labels are cut off when Simplified Chinese is selected as the device language. - SPM direct print may result in the "P1 Command Error" if multiple print jobs are sent to the SPM-S direct print port simultaneously. - SPM-E may output "Error [455] Failed to obtain the job list" if SPM-S fails to initialize the database connection. - The RG server certificate is expired. - RG and AAM-S cannot output the masked user's report. - ADM fails to send notification emails if the display name includes a control character. Others: - SPM Direct Print Port now supports AES128 for the SNMPv3 Encryption Algorithm. - The "Mask name" setting has been removed and "anonymous" is used as the preset mask name (ADM > Configuration > Device Configuration > Template > Authentication and Accounting Manager).
2.0.0.0	Supported: - Support for new models has been added (MT-C5, SH-P1 and Li-MF1). - LPs now support installation of and authentication using AAM-E. Fixed: - SPM-E cannot connect to SPM-S if SPM-S is installed on a Windows 2008 (32-bit) system with a multi-core CPU. - Locked print jobs sent from Mac OS are incorrectly stored in the device's stored job list. - Error 452 can occur when SPM-E performs print job list retrieval. - Send to SharePoint's "Field Settings" are not applied to the correct target. - Send to SharePoint doesn't attach the URL link to the metadata properly. - RG's installation progress is not reflected properly by the progress bar. - RG's installer only accepts 15 characters for use as the mail server hostname, even though 63 characters are allowed by specification. Others: - Windows 2008 R2 Native 64-bit support has been added. - Simplified Chinese is now supported. - Role and ACL Management functions have been added to ADM. - AAM-S now supports failover. - AAM-S can have multiple authentication settings (multi-domain support). - Guest Login has been added. - PIN Login has been added. - Usernames can now be masked for accounting purposes. - The Send To DocumentMall plug-in has been added. - An ACL can be set per SFM project, and supports an "Allow" or "Deny" option. - It is possible to change which project buttons are displayed based on the logged-in user's ACL privileges. - Built-in application buttons (document server, fax, printer, and scanner) have been added. - SFM-S primary and secondary servers can share load balance servers.

Model: **Streamline NX**	Date: 10-Feb-17	No.: RD639001p

	- The Direct Print flow has been changed (the Direct Print SDK application has been removed, and all the direct jobs can be printed via the Direct Print Port) - SPM External Port (for Li-MF1) has been added. - The SPM-S Job Storage Path now supports network folders. - SPM-E can perform print job failover using a shared Job Storage Path. - SPM Direct Port supports user alias names and SNMPv3. - The "Exclude Weekend" setting for Log Storage Period has been added. - Change Print Settings on MFP panel now supports switching the job to simplex. - RG's login screen layout has been changed. - RG can export reports in the CSV format. - The "Export to Folder" function has been added to RG. - The AAM-E and SPM-E service account has been removed. The service functions were merged into the administrator account.

1.3.2.0	Supported:
	- Streamline NX now supports the following devices:
	   Aficio MP 301
	   Aficio MPC 305/DSc530
	
	Fixed:
	- Heavy use of the Streamline NX Direct Print SDK application may result in garbled output or job cancellation.
	
	Others:
	 - SP Manager no longer requires a reboot after batch configuration.
	 - SP Manager now displays more detailed error messages on the device's operation panel.
	 - SP Manager's operation panel layout has been revised.
	
	Update the Java VM to the latest version before installing this update.

1.3.1.0	Supported: - None. Fixed: – The device could fail to reboot when ADM distributes a Device Preference or Device Software policy to the device. Others: - None. Update the Java VM to the latest version before installing this update.
1.3.0.0	Supported: Streamline NX V1.3.0.0 now supports the following devices: - AT-C3, AP-C3, AL-C2 Fixed: - SLNX's ACL check prevents LDAP queries that include a diacritical mark or non-ASCII character (such as an umlaut or German Eszett) in the user or domain name from correctly accessing SFM on a device. - If user name includes a diacritical mark or non-ASCII character (such as an umlaut or German Eszett), Direct Print fails. - Send to Folder can fail due to an out of memory error if a non-domain controller responds to a request when using a NetBIOS user name and the amount of scan data is large. - SFM Server's Java VM restarts automatically at a specified time. SFM also checks the memory used and outputs this to the system log. - The Send to Email function does not send Notifications. - Unable to process specific PNG format and image library stopped.

Model: **Streamline NX**	Date: 10-Feb-17	No.: RD639001p

- OutOfMemory or InsufficientMemory error occurs when the large size document is sent via Send To Folder plugin.
- Flow Redirector/Table Replacement filters can be overwritten in multi-thread, multi-job environment.

Others:
- OCR engine has been changed.
- SFM ConfigUtil is bundled with installation program.
- A software button appears on the copier screen which opens Streamline NX.
  Note: This functionality also requires a system firmware that supports this functionality.

Update the Java VM to the latest version before installing this update.

Model: GlobalScan NX	Date: 6-Apr-12	No.: RD639002

Subject: Streamline NX Installation on 11A Models (AT-C3, AP-C3 and AL-C2)	Prepared by: M.Horikoshi
From: Solution Support Department	

Classification:	☒ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier 2

Summary

When installing Streamline NX (SLNX) on some 11A models, certain actions must be performed in order to ensure correct operation.

1. Only the version listed below may be installed on the current 11A models (AT-C3, AP-C3, AL-C2):
-    SLNX v1.3.1.0 or later

2. Because the standard Java VM for 11A models contains some bugs known to affect SLNX, the Java VM must be upgraded before SLNX SDK application installation. If the device's Java VM is v10.01.06, Java VM update should be performed via Remote Installation Manager or the UpdateTool, not SLNX Administration Manager.

3. Disabling the device's STR mode (turn SP5-191-001 to 0) is recommended because of the current device limitation described in section 3 below.

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

The following chart shows the compatibility between modules/versions. Note that both the PC and SDK application must be v1.3.1.0. Because the SLNX Administration Manager (PC application) can update the SDK application as a remote batch, it is recommended to use the same version of SDK application as PC application.
- "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 GR-C1 are not included.

		Embedded Module (SDK application)		
		V1.2.2.0	V1.2.3.0	V1.3.1.0
Server Module (PC application)	V1.2.2.0	Compatibility : YES 11A Support: NO	NO	NO
	V1.2.2.0	Compatibility : YES 11A Support: NO	Compatibility : YES 11A Support: NO	NO
	V1.3.1.0	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.

Streamline NX v1.3.1.0:
- Update Device's JavaVM before installation. If the device's Java VM is v10.01.06, Java VM update should be performed via Remote Installation Manager or the UpdateTool, not SLNX Administration Manager.

  DETAIL:
  Streamline NX Administration Manager's Java VM distribution causes an invalid stack size configuration on the device if Java VM 10.01.06 is installed on the 11A models. This results in Streamline NX SDK application distribution failure.

  Workaround (either):
  1. Configure the device's Java VM stack size to 256 KB **BEFORE** Java VM distribution.

  2. (If the problem occurs) Configure the device's Java VM stack size to 256KB, then reboot the device.

  NOTE: Java VM updates using the Remote Install Manager or UpdateTool are **NOT** affected. If Java VM is v10.03.01 or later is installed, SLNX Administration Manager's Java VM distribution works fine.

3. 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:
  - SLNX synchronization from the AdminTool.

  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).

Model: Streamline NX	Date: 03-Jul-12	No.: RD639004

Subject: Streamline NX SDK Application Installation for Li-MF1	Prepared by: Masaaki Horikoshi
From: Solution Support Department	

Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☒ Other ( )	☒ Tier 2

Streamline NX SDK Application Installation for Li-MF1

July, 2012
Solution Support Department
Service and Support Center
Global Marketing Group
Ricoh Company LTD

Introduction

This document is intended to be a guide for installing Streamline NX SDK application on the Li-MF1. Because Li-MF is an OEM device from Lexmark, a different SDK application has been released for the device. The installation procedure and differences from the standard version are explained below.

Procedure

Installation and configuration of Streamline NX SDK application can be performed using Li-MF1's web interface, which is similar to RICOH device's Web Image Monitor. It is impossible to perform batch installation or configuration using Streamline NX Administration Manager.

Functional Differences

Only Authentication and Accounting Manager and Secure Print Manager are supported. Scan and Fax Manager is not supported. The list of functional difference is attached to the Administrator's guide.

NOTE: As a workaround for using the Li-MF1 with Scan and Fax Manager for distribution is to use the Li-MF1's Send To Folder function and Scan and Fax Manager's Hot Folder Plug-in.

Application File

The released application file uses the .fls extension used by Lexmark SDK. There are 2 files for the 2 supported applications (AA Manager and SP Manager).

Note: This document assumes that all Li-MF1 device setup has been finished and the device is connected to the network via TCP/IP.

Target Readers

This document is intended for the support staff of Ricoh family group companies and their subsidiaries.

Target Product

This document covers Streamline NX v2.0 and Li-MF1.

Installation

Step1) Access to the Li-MF1 Web Interface.

- HTTP :http://<DEVICE_IPADDRESS>/

- HTTPS :https://<DEVICE_IPADDRESS>/

Note: To confirm the Li-MF1's IP address, go to the device and manually print out the Network Setup Page from *Menus ‣ Reports ‣ Network Setup Page.*

Step2) Select *Settings ‣ Embedded Solutions*.

Step3) Press the **_Install_** button to upload the Streamline NX AA Manager Install File (*.fls).

Step4) Confirm that installation succeeded.

Step5) Press the **_Install_** button to upload the Streamline NX SP Manager Install File (*.fls).

Step6) Confirm that installation succeeded.

		Solutions	System	Network License	
Device Status		Install	Uninstall	Start	Stop
Scan Profile					
Copy Printer Settings		**Installed Solutions**		**Version**	
Settings		Remote Operator Panel		2.1.0	
Reports		Streamline NX AA Manager		2.0.0.0	
Links & Index		Streamline NX SP Manager		2.0.0.0	
Applications		USB My MFP Application		2.1.0	

Configuration

The configuration of AA Manager and SP Manager can be performed via the Li-MF1 Web UI. The interface is almost the same as the standard Streamline NX, but the available settings are based on Streamline NX v1.2.

To open AA Manager or SP Manager, select *Application ‣ Streamline NX AA Manager* or *Application ‣ Streamline NX SP Manager* from the Li-MF1 web UI. Do not simply left-click the link to open in the frame layout because AA Manager and SP Manager is not designed to be displayed within Li-MF1 web UI's frames. Use "Open in New Tab" or "Open in New Window" to display AA Manager and SP Manager in a full window.

This section describes the basic settings required to connect to Authentication and Accounting Manager and Secure Print Manager. For other settings, please refer to the Streamline NX Administrator's Guide because the settings are the same as the standard SDK applications.

AA Manager Configuration

Step1) Input a username and password. The default is the same as the standard SDK application.
Username: admin
Password: password

Step2) Open AAM's *Configuration ‣ Server Settings* and input the corresponding Authentication and Accounting Manager's address and SSL port.

SP Manager Configuration

Step1) Input a username and password. The default is the same as the standard SDK application.
Username: admin
Password: password

Step2) Open SPM's *System Configuration* and input the corresponding Secure Print Manager's address and port.

Step3) A device reboot is required in order to apply the configuration. However, this can be done after section 5-3, Li-MF1 Configuration, is completed.

Li-MF1 Configuration

Close the Built-in Printer Port (9100)

This setting is for prohibiting normal prints using port 9100.

Step 1) Select *Settings ‣ Security ‣ TCP/IP Port Access* on the Li-MF1's web UI.

Step 2) Configure as follows:

- [TCP 9100 (Raw Print)]: Unchecked

- [TCP 9400 (Enhanced Print)]: Checked

Configure Security Template

Step 1) Select *Settings ‣ Security ‣ Edit Security Setups ‣ Security Templates* on the Li-MF1 web UI.

Step 2) Select **Add a Security Template** and create a security template for a feature.

Example: How to create security template for 'Copy Function'.

Step 2-1) Input the desired Security name. (ex: AAM Copy Function)->

Step 2-2) Select **AAM Copy Function** as *Authentication setup ‣ Add authorization.* Select **AAM Copy Function** as *Authorization setup ‣ Save template.*

Step 2-3) Repeat Step 1 to Step 3 for each AAM-E authentication module (Fax, E-mail, FTP…).

Step 3) Select *Settings ‣ Security ‣ Edit Security Setups ‣ Access Control.* Apply a security template for each feature.

Keyboard Setting

By default, the Li-MF1 software keyboard shows a button to allow Russian and Korean input, which are not supported by SLNX. The following setting hides these buttons from the software keyboard.

Step 1) Select *Settings ‣ General Settings ‣ Keyboard.*

Step 2) Configure as follows:

[Russian/Polish Tab]: Unchecked [Korean Tab]: Unchecked

Auto Logout

It is possible to configure auto-logout by adjusting the following MFP settings:

Panel Login Timeout: The user logs out from the home screen and the MFP will be locked when the configured time is reached. *Settings ‣ Security ‣ Miscellaneous Security Settings ‣ Login Restrictions ‣ Panel Login Timeout*

Screen Timeout: MFP panel returns to the home screen when the configured time is reached.
Settings ‣ General settings ‣ Timeouts ‣ Screen timeout

Home Screen Customization

It is possible to configure the home screen setting using *General Settings ‣ Home screen customization.*

Card Reader Attachment

Step 1) Turn off the MFP.

Step 2) Attach a card reader to the USB port.

Step 3) Reboot the MFP.

SPM-S Configuration

Step 1) Install a printer driver on the SPM server using the "SPM External Port".

Important: Li-MF1 can only print jobs stored using the "SPM External Port". "SPM Port" or "SPM Direct Print Port" are not supported.

Note: SPM External Port will be automatically created when Secure Print Manager is installed.

Step 2) Distribute the printer driver as would be done for the standard SPM-S.

Model: Streamline NX	Date: 30-Apr-13	No.: RD639007

Subject: RICOH Streamline NX How to use Hardware Logout Button	Prepared by: M. Horikoshi
From: Solution Support Department	

Classification:	☐ Troubleshooting	☐ Part information	☒ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☒ Tier 2

Summary

Streamline NX v2.1.1 or later supports:
- Hardware Logout Button (Button 9 ("Login/Logout") on the operation panel.)

Required Firmware Versions:

Please refer to the following chart for the FW versions required to enable the hardware logout button.

	Model	System/Copy
11S or earlier		Not Supported
11A	AP-C3	D1445562P Ver. 2.06
	AT-C3	D1445562P Ver. 2.06
	AL-C2	D1295751N Ver. 2.07
	MT-C5	D1315572D Ver. 1.02
12S	GR-C1	D1175421L Ver. 3.12
	ST-C5	D1275780K Ver. 3.12
12A or later		Supported from 1st mass production

RICOH

Technical **B**ulletin

Reissued: 20-Aug-13

Model: **Streamline NX**	Date: 18-Jul-13	No.: RD639009a

RTB Reissue
The items in bold italics have been corrected or added.

Subject: Firmware Release Note: Update patch for ADM v1.3.2	Prepared by: M. Horikoshi
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 **support patch for new models.**

Version	Program No.	Effective Date	Availability of RFU
1.0.1	*D639903B*	*August 2013 production*	*Not available*
1.0.0	D6399903	July 2013 production	Not available

Note: Definition of Availability of RFU via @Remote
"Available": The firmware can be updated via RFU or SD card.
"Not available": The firmware can only be updated via SD card.

Version	Modified Points or Symptom Corrected
1.0.1	*Fixed:* *Devices are not rebooted properly after ADM "Device Preference" policy is applied to AAM-E or SPM-E. As a result, the settings will not be applied properly.*
1.0.0	Initial release. This patch can be applied to following PC application version: - RICOH Streamline NX v1.3.2 Administration Manager Please apply the patch by following the procedure described in the "readme" file bundled with the object. After the patch is applied, SLNX will support the following models: <table><tr><th>Model Name</th><th>Supported standard SLNX version</th></tr><tr><td>Model CH-C1</td><td>2.1.2</td></tr><tr><td>Model MET-C1</td><td>2.1.2</td></tr></table> To use the newer models, please install the following versions of the ESA application (SDK application): - AA Manager (AAM-E) ~~v2.1.2~~ *v2.1.1* - SP Manager (SPM-E) *v2.1.1 or* v2.1.2 - SF Manager (SFM-E) v2.1.2 *NOTE: SP Manager v2.1.2 has been released for RE region only. AA Manager v2.1.2 does not exist. SLNX v2.1.2 packages include latest ESA applications for each region.*

Model: Streamline NX	Date: 28-May-12	No.: RD639003d

RTB Reissue

The items in **_bold italics_** have been corrected.

Subject: Streamline NX How to use Built-in Application Buttons / Home Button / Guest Login Button	Prepared by: M.Horikoshi	
From: Solution Support Department		
Classification:	☐ Troubleshooting ☐ Part information ☒ Action required ☐ Mechanical ☐ Electrical ☐ Service manual revision ☐ Paper path ☐ Transmit/receive ☐ Retrofit information ☐ Product Safety ☐ Other (　　　) ☒ Tier 2	

Summary

Streamline NX v1.3 or later supports:
- A software Copy button which allows users to move to the device's built-in copy application from the Streamline NX home screen, and is displayed as a project.
- A Home button which allows users to move to Streamline NX's home screen from the built-in copy application.

Streamline NX v2.0 or later supports:
- Built-in application buttons which allows users to move to the device's built-in printer, document server, **_fax_** and **_built-in_** scanner applications from the Streamline NX home screen, and is displayed as a project.
- A Guest Login button which allows user to use the built-in copier without login with their own credential.

Function Name	Required Streamline NX Version	Required Firmware Versions
Software Copy Button	*1.3.0 or later*	*See section 2*
Built-in Application Buttons	*2.0.0 or later*	*See section 3*
Home Button	*1.3.0 or later*	*See section 2*
Guest Login Button	*2.0.0 or later*	*See section 2*

Software Copy Button/Built-in Application Buttons:

This is configured on Streamline NX's Scan and FAX manager as a project. To enable the button, a supporting version of the System FW and device Java VM is required. If a non-supported version is installed, the button will be displayed but will not move to the copy application.

Home Button:
Automatically enabled when SLNX and a supporting version of the System/Copy FW is installed. Additionally, the Operation Panel and Language Install FW must be updated in order to display the button's label correctly.

NOTE: In E09A or earlier models, a software button will be displayed, as shown above. 11A or later models have a hardware "Home" button which provides the same functionality.

Guest Login Button:
This button allows user to login to the device without the user's credentials, and the user is allowed to use only the built-in copier application. To enable the button, a supporting version of the System FW and device Java VM is required. If a non-supported version is installed, the button will be displayed but will not move to the copy application.

2. Required Firmware Version and Release Schedule (Copy Button / Home Button / Guest Login Button):

Please refer to the chart below for the FW versions required to enable the software Copy button and the Home button.

Important: If the device is using a language provided by the "Language Install" firmware, updating the "Language Install" firmware may also be required. "Language Install" firmware cannot be updated remotely, so install the latest "Language Install" at device installation.

Note: Built-in languages are included in the "Operation Panel" FW. "Language Install" is used to provide additional languages.

	Model	System/ Copy	Operation Panel (NA, EU, TWN/AA)	Operation Panel (CHN)	Language Install	Device Java VM
07A	V-C2					
	AL-C1					
	AL-C1.5					
	R-C5					
	R-C5.5		Not Supported			
08S	AT-C2					
	AP-C2					
	Di-C1					
08A	MT-C4					
09A	V-C3	D0815760G Ver.1.06	D0815453D Ver.1.05	D0815456B Ver.1.05	D0815451B Ver.1.04	D0815792H Ver.7.17.04
E09A	AT-C2.5	D0875562R Ver.2.05	D0871491F Ver.1.06	D0871457D Ver.1.06	D0871496D Ver.1.06	D0895594G Ver.7.17.04
	AP-C2.5	D0895562R Ver.3.05	D0891491E Ver.1.08	D0891457C Ver.1.08	D0891496C Ver.1.08	D0895594G Ver.7.17.04
	Di-C1.5	D1055730J Ver.2.04	D1041491C Ver.1.03	D1041457B Ver.1.03	D1041496B Ver.1.03	D1065743E Ver.7.17.04
	OR-C1	D1205530C Ver.1.06.1	D1201459B Ver.1.03	D1201491A Ver.1.03	D1201496A Ver.1.03	D1205565C Ver.7.17.04
	Z-C1	M0265771N Ver.2.06	M0261492D Ver.1.03	- (Not Exist)	M0265791A Ver.1.03	M0265738F Ver.7.17.04
	SH-MF1	M0525771G Ver.2.03	M0521492B Ver.1.02	- (Not Exist)	M0525791A Ver.1.02	M0525738C Ver.7.17.04
11A	AT-C3					
	AP-C3					
	AL-C2					
	MT-C5		Supported from first mass production.			
	GR-C1					
	ST-C5					

3. Required Firmware Version and Release Schedule (Built-in Application Buttons):

Only 11A or later models supports built-in application buttons except the software copy button.

	Model	System/ Copy	Operation Panel (NA, EU, TWN/AA)	Operation Panel (CHN)	Language Install	Device Java VM
07A	V-C2					
	AL-C1					
	AL-C1.5					
	R-C5					
	R-C5.5					
08S	AT-C2					
	AP-C2					
	Di-C1			Not Supported		
08A	MT-C4					
09A	V-C3					
E09A	AT-C2.5					
	AP-C2.5					
	Di-C1.5					
	OR-C1					
	Z-C1					
	SH-MF1					
11A	AT-C3					
	AP-C3					
	AL-C2			Supported from first mass production.		
	MT-C5					
	GR-C1					
	ST-C5					

Reissued: 25-Nov-13

Model: **Streamline NX**	Date: 19-Apr-13	No.: RD639006b

RTB Reissue
The items in bold italics have been corrected or added.

Subject: Firmware Release Note: PrintReleaseStation	Prepared by: S. Tanaka
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 **PrintReleaseStation.**

Version	Program No.	Effective Date	Availability of RFU
2.2.0.0	***D6399902B***	***November 2013 production***	***Not available***
2.1.2.0	D6399902A	July 2013 production	Not available
2.1.0.0	D6399902	March 2013 production	Not available

Note: Definition of Availability of RFU via @Remote
"Available": The firmware can be updated via RFU or SD card.
"Not available": The firmware can only be updated via SD card.

Version	Modified Points or Symptom Corrected
2.2.0.0	***PrintReleaseStation corresponded to StreamlineNX v2.2.0.0.***
2.1.2.0	Others: - RicohKiosk-v1.2.apk is included. Fixed: - Kiosk application can be unlocked by pressing the logout button for about 3 seconds.
2.1.0.0	Initial Release

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Model: Streamline NX v2	Date: 5-Dec-13	No.: RD639012

Subject: GlobalScan NX V2.x/Streamline NX V2.x Setup guide for Product Modification Request	Prepared by: Seizoh Uchiyama
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 ( )	☐ Tier 2

GlobalScan NX V2.x

Streamline NX V2.x

Setup guide for Product Modification Request

Important

Please obtain the correct patch before this setup is performed.

Dec, 2013

Solution Support Department

Technology Innovation Center

Business Solutions Group

Ricoh Company LTD

Model: Streamline NX v2	Date: 5-Dec-13	No.: RD639012

Operation flow for "Product Modification Request"

Operation Flow

Check

0   Check the customer environment ·······················P.5

P C

1   GlobalScanNX／StreamlineNX PC application fix operation ·····P.7

Model: Streamline NX v2	Date: 5-Dec-13	No.: RD639012

Bug information

Problem:

File Access Error occurs if GSNX or SLNX performs the Image Correction filter process for multiple jobs at the same time. In the case, one of the following symptoms occurs depending on the processed jobs and timing.

Symptom A:

The job will error. GSNX or SLNX retries the job and succeeds to deliver the job.

Symptom B:

The Image Correction filter process is successful and the job is delivered. However, not all pages are sent and some page(s) is missing.

Symptom C:

The Image Correction filter process is successful and the job is delivered. However, The scanned page(s) is sent together with another job's page(s) as a job.

Occurrence Conditions:

There is a possibility that this problem occurs when you meet all the conditions for the following.

- Target version

GlobalScan NX Server Edition from v2.0.0.0 to v2.1.3.0 (native 64-bit)

Streamline NX from v2.0.0.0 to v2.1.2.0 (native 64-bit)

- GloabalScan use the server edition.

- Use the following OS (native 64-bit).

WindowServer2008R2/WindowsServer2012

Note: The environment which GSNX or SLNX is installed to 64bit OS by WOW64 is not target of this problem

- Target settings

The workflow has "Image Correction filter" and the number of processing threads is configured to more than "1".

Number of processing threads   Fax job(s) (1 - 4)   1

Other job(s) (1 - 12)   2

Note:

- As it is caused by multi-thread job processing, the larger the number of CPU cores and GSNX processing threads, the greater the chance that the problem occurs.

- The default value of number of processing threads is the following.

Fax job(s): 1

Other job(s): 2

- GSNX or SLNX which deliver the jobs from both Fax and scanning is target of this problem even if the number of processing threads in Fax job(s) and Other job(s) is configured "1".

Cause:

"Image Correction filter" internal processing have bug.

Permanent Fix:

We will release GlobalScanNX v2.2.0.0/StreamlineNX v2.2.0.0 in December 2013.

Model: Streamline NX v2	Date: 5-Dec-13	No.: RD639012

0. Check the customer environment

0-1 Check the PC application version

Check the GlobalScanNX/StreamlineNX PC application version. For details, please see below.

Important:

Product Modification Request target is as follows;

GlobalScan NX Server Edition from v2.0.0.0 to v2.1.3.0 (native 64-bit)

Streamline NX from v2.0.0.0 to v2.1.2.0 (native 64-bit)

Note: This problem does not occur in v2.2.0.0 for later. This fix operation target is only the PC application. MFP and software are not targeted.

How to check versions in AdminTool:

Check the version on the AdminTool login screen.

GlobalScanNX:

StreamlineNX:

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Scan and Fax Manager

Ver 2.x.x0

User Name

Password

Language   English ▼

Login

0-2 Check the GSNX Edition

When using GlobalScanNX, please check if it is the server edition or not. For details, please see below.

Important:

Product Modification Request target is GSNX server edition. This problem does not occur when using GSNX serverless edition.

How to check the edition:

If "Running" is displayed, the PC application is server edition.

▶ **Running**   ?

👤 Administrator   Logout

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| Home | Configuration | Maintenance Settings | Job Management | Logs |

If "Running" is not displayed, the PC application is serverless edition.

?

👤 Administrator   Logout

RICOH

| Home | Configuration | Maintenance Settings | Job Management | Logs |

Model: Streamline NX v2	Date: 5-Dec-13	No.: RD639012

1. GlobalScanNX/StreamlineNX PC application fix operation

1-1 Collect the system backup

Collect the system backup in the GlobalScanNX/StreamlineNX (Scan and Fax Manager) AdminTool:

1. Open GlobalScanNX/StreamlineNX AdminTool and open [Maintenance Settings] -> [Maintenance] and select the slot delivery service.

2. Select the slot and click the "Backup" button.

3. Enter a "Comment" and click the "OK" button.

Example comment: "Product Modification Request".

4. Check that additional backup data is displayed in a slot, as below.

5. Collect the backup. Select the backup data and click the "Download" button.

6. If the customer needs a password to protect the backup, please enter the password and click the "OK" button. If the customer does not need a password to protect the backup, please the "OK" button.

Model: Streamline NX v2	Date: 5-Dec-13	No.: RD639012

7. Save the backup file.

8. Check the following screen and backup file.

Model: Streamline NX v2	Date: 5-Dec-13	No.: RD639012

Apply "the bug fix program" to GlobalScan NX or Streamline NX PC application/AdminTool

Please perform the following procedure upon the satisfaction of all of the following conditions. If all of the following conditions are not met, the following setup procedure is not required.

Provision:

Please perform the procedure upon the satisfaction of all of the following conditions.

1. GlobalScan is Server edition.

   Note: This condition is applicable only for GlobalScan NX.

2. You use the following 64-bit OS:

   Windows Server 2008 R2, Windows Server 2012

   Note: An environment with GlobalScan NX (32-bit) or Streamline NX (32-bit) installed to a 64-bit OS does not meet these conditions.

Preparation:

Please obtain the bug fix program.

File name: ImageCorrectionPatch.zip

Apply the patch to GlobalScan NX or Streamline NX server application/AdminTool:

1. Please confirm that the server has Globalscan NX or Streamline NX installed.

2. Open the GlobalScan NX AdminTool or Scan and Fax Manager and open [Maintenance Settings] -> [System Control] -> [Switch Delivery Service Status], and stop the delivery service.

3. Open the service list on Windows OS and stop "GlobalScan Service" or "Streamline NX Scan and Fax

Manager".

GlobalScan NX:

Streamline NX:

4. If "Internet Information Services (IIS)" is used for the web server, launch Internet Service Manager and stop IIS.

    IIS 7.5/8.0:

    4-1. Right-click on [computer name (local computer)].

    4-2. Select [Stop].

Note: This procedure is unnecessary if [Built-in Web Server] is being used as the web server.

5. Copy "ImageCorrectionPatch.zip" to the customer server.

6. Extract "ImageCorrectionPatch.zip" and double click "setup.exe" in the "ImageCorrectionPatch" folder.

7. Select the language for the install instructions and click the "OK" button.

8. Click the "Next" button.

9. Click the "Finish" button.

10. Log in to the GlobalScan NX AdminTool or StreamlineNX (Scan and Fax Manager) and start the delivery service as "Running. If delivery Service Status is "Suspended", click the "Switch Delivery Service Status".

    Note: This user must have admin authority.

Model: Streamline NX v2	Date: 5-Dec-13	No.: RD639012

11. Please confirm that "Option.properties" exists in the following GlobalScanNX or Streamline NX path.

	Folder Path	For example
GlobalScan NX	Installation path¥Ricoh¥GlobalScan¥Uninstaller	C:¥ProgramFiles¥Ricoh¥GlobalScan¥ Uninstaller
Streamline NX	Installation path¥Streamline NX¥SFM¥Uninstaller	C:¥ProgramFiles¥StreamlineNX¥SFM ¥Uninstaller

Note: If checking the "Hide file extensions for known file types" setting, please confirm the "Option" file:

Note: Even if a patch is applied, the revision does not change.

Model: Streamline NX v2	Date: 5-Dec-13	No.: RD639012

Please check the "Lock Code" and "Work date".

   Note: The following information is required for reimbursement.

      - Work date (date the bug fix program was installed).

      - Application name (GSNX or SLNX)

      - Lock Code for the server where the GSNX or SFM PC application is installed.

      *Reimbursement will not be accepted if the above information is missing.

1. Double click the "GlobalScanNX Activation Tool" or "Scan and Fax Manager Activation Tool".

   GlobalScanNX:

   StleamlineNX:

2. Check the "Lock Code"

Note: Please fill in the information, such as below.

For example:

Application	Lock Code	Work date
GlobalScanNX	10-1787d	Dec. 5, 2013

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Model: Streamline NX v2	Date: 5-Dec-13	No.: RD639012

How to recover

Restore to the previous version

If customer have request that want to restore to the previous version, please performed the following steps.

1 Overwrite the GlobalScanNX/Scan and Fax Manager on the previous version.

2 Delete the "Option.properties" file in the following GlobalScanNX or Streamline NX path.

	Folder Path	For example
GlobalScan NX	Installation path¥Ricoh¥GlobalScan¥Uninstaller	C:¥ProgramFiles¥Ricoh¥GlobalScan¥Uninstaller
Streamline NX	Installation path¥Streamline NX¥SFM¥Uninstaller	C:¥ProgramFiles¥StreamlineNX¥SFM¥Uninstaller

RICOH

Reissued: 19-Jan-17

Model: **Streamline NX**	Date: 26-Oct-12	No.: RD639005n

RTB Reissue
The items in bold italics have been corrected or added.

Subject: Firmware Release Note: CVM Package	Prepared by: K. Ogawa
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 **CVM Package.**

Version	Program No.	Effective Date	Availability of RFU
2.7.0.0	*D6399901N*	*January 2017 production*	*Not available*
2.6.2.0_(2)	D6399901L	October 2016 production	Not available
2.6.2.0	D6399901K	July 2016 production	Not available
2.6.0.0	D6399901J	February 2016 production	Not available
2.5.0.0	D63999901I	December 2015 production	Not available
2.4.0.0	D6399901H	April 2015 production	Not available
2.3.0.0_(2)	D6399901G	December 2014 production	Not available
2.2.0.0_(2)	D6399901E	January 2014 production	Not available
2.2.0.0	D6399901D	December 2013 production	Not available
2.1.2.0	D6399901C	July 2013 production	Not available
2.1.1.0	D6399901B	May 2013 production	Not available
2.1.0.0	D6399901A	March 2013 production	Not available
2.0.0.0	D6399901	October 2012 production	Not available

Note: Definition of Availability of RFU via @Remote
"Available": The firmware can be updated via RFU or SD card.
"Not available": The firmware can only be updated via SD card.

Version	Modified Points or Symptom Corrected
2.7.0.0	- *This package contains the latest RXOP versions of Java VM, which are used by RICOH Streamline NX Administration Manager's JavaVM update function. Please see the standard Java VM release notes for a list of changes.* - *Please apply a later version of the CVM package if the same supported models are listed amongst different CVM packages.* - *VM downgrade limitation* *DO NOT downgrade a 15S or later device that has VM v12.31.00 or later to an earlier VM version using a CVM package. If a downgrade is performed, the VM will crash afterwards. In such a case, please perform an overwrite installation of VM v12.31.00 or later.* *V4.30.00 -------------------* *<CVM Package>* *rxopCVM4.30.00v1.zip*

Model: **Streamline NX**	Date: 26-Oct-12	No.: RD639005n

<support model>
Aficio MP 2550/2550B/2851
Aficio MP 3350/3350B/3351
Aficio MP 4000/4000B/4001
Aficio MP 5000/5000B/5001
Aficio MP C2050
Aficio MP C2550
Aficio MP C2800
Aficio MP C3300
Aficio MP C4000
Aficio MP C5000
Aficio MP C6000
Aficio MP C7500
Aficio MP W5100
Aficio MP W7140
Aficio SP 8200DN
Aficio SP C420DN
IPSiO SP 8200
IPSiO SP C420
Pro C900S/C720S
Pro C901S
imagio MP 2550/2550B
imagio MP 3350/3350B
imagio MP 4000/4000B
imagio MP 5000/5000B
imagio MP C2200
imagio MP C2800
imagio MP C3300
imagio MP C4000
imagio MP C5000
imagio MP C6000
imagio MP C7500
imagio MP W5100
imagio MP W7140

V5.19.00 --------------------

<CVM Package>
rxopCVM5.19.00v1.zip

<support model>
Aficio MP 6001
Aficio MP 7001
Aficio MP 8001
Aficio MP 9001
Aficio SP 4210N
Aficio SP 6330N
Aficio SP C820DN
Aficio SP C821DN
IPSiO SP 4210
IPSiO SP 6310
IPSiO SP 6320
IPSiO SP 6330
IPSiO SP C720
IPSiO SP C721
IPSiO SP C721M
IPSiO SP C820

Model: **Streamline NX**	Date: 26-Oct-12	No.: RD639005n

IPSiO SP C821
Pro 1107EXP
Pro 1357EXP
Pro 907EXP
Ricoh Pro 1107
Ricoh Pro 1107EX
Ricoh Pro 1357
Ricoh Pro 1357EX
Ricoh Pro 907
Ricoh Pro 907EX
imagio MP 6001
imagio MP 7501
imagio MP 9001/9001T

V7.23.00 -------------------

<CVM Package>
rxopCVM7.23.00v1.zip

<support model>
Aficio MP 2352
Aficio MP 2852
Aficio MP 3352
Aficio MP C2051 SP
Aficio MP C2551 SP
Aficio MP C300
Aficio MP C3001
Aficio MP C3501
Aficio MP C400
Aficio MP C4501
Aficio MP C4501A SP
Aficio MP C5501
Aficio MP C5501A SP
Aficio MP C6501
Aficio MP C7501
Aficio MP W2401
Aficio MP W3601
Aficio SP 4310N
Aficio SP 5200DN
Aficio SP 5200S/5210SF/5210SR
Aficio SP 5210DN
Aficio SP C320DN
Aficio SP C430DN
Aficio SP C431DN
IPSiO SP 4300
IPSiO SP 4310
IPSiO SP C320
Pro C651EX SP
Pro C751EX SP
imagio MP 2552
imagio MP 3352
imagio MP C2201
imagio MP C2801
imagio MP C3301
imagio MP C4001
imagio MP C4001A SP
imagio MP C5001

Model: Streamline NX	Date: 26-Oct-12	No.: RD639005n

imagio MP C5001A SP/C5001A it
imagio MP C6001SP
imagio MP C7501SP
imagio MP W2401
imagio MP W3601

V7.24.00 -------------------

<CVM Package>
rxopCVM7.24.00v1.zip

<Support models>
Aficio SP 5200S/5210SF/5210SR

V10.26.01 -------------------

<CVM Package>
rxopCVM10.26.01v1.zip

<Support models>
Aficio MP 2001 SP
Aficio MP 2501 SP
Aficio MP 301
Aficio MP 4002
Aficio MP 5002
Aficio MP 6002
Aficio MP 7502
Aficio MP 9002
Aficio MP C3002
Aficio MP C305
Aficio MP C3502
Aficio MP C4502
Aficio MP C4502A SP
Aficio MP C5502
Aficio MP C5502A SP
Aficio MP CW2200
Aficio SP 8300DN
Aficio SP C830DN
Aficio SP C831DN
IPSiO SP 8300
IPSiO SP C830
IPSiO SP C831
imagio MP 1301
imagio MP 1601
imagio MP 4002
imagio MP 5002
imagio MP 6002
imagio MP 7502
imagio MP 9002/imagio MP 9002T
imagio MP C2802
imagio MP C3302
imagio MP C4002
imagio MP C4002A SP
imagio MP C5002
imagio MP C5002A SP
imagio MP CW1200
imagio MP CW2200

Model: **Streamline NX**	Date: 26-Oct-12	No.: RD639005n

V11.37.00--------------------

<CVM Package>
rxopCVM11.37.00v3.zip

<Support models>
Aficio MP 2553
Aficio MP 3053
Aficio MP 3353
Aficio SP C730DN
IPSiO SP C730
IPSiO SP C731
MP C1803
MP C2003 SP/MP C2003Z SP
MP C2503 SP/MP C2503Z SP
MP C2503/MP C2503Z SPF
MP C3003/MP C3003Z
MP C3503/MP C3503Z
MP C4503/MP C4503Z
MP C4503A/MP C4503AZ
MP C5503/MP C5503Z
MP C5503A/MP C5503AZ
MP C6003/MP C6003Z
MP C6502 SP
MP C8002 SP
Pro 8100S
Pro 8110
Pro 8110S
Pro 8110Y/Pro 8110HT
Pro 8120
Pro 8120S
Pro 8120Y/Pro 8120HT
Pro 8200S
Pro 8210
Pro 8210S
Pro 8210Y/Pro 8210HT
Pro 8220
Pro 8220S
Pro 8220Y/Pro 8220HT
Pro C5100S
Pro C5110S
SP 4500
SP 4510
SP 4510DN
SP 4510SF/MP 401 SPF
SP 4520DN
SP 6410
SP 6420/SP 6420M
SP 6430/SP 6430M
SP 6430DN
SP 6440/SP 6440M
imagio MP 2553
imagio MP 3353

V12.46.01 ---------------------

| Model: **Streamline NX** | Date: 26-Oct-12 | No.: RD639005n |

<CVM Package>
rxopCVM12.46.01v1.zip

<Support models>
MP 2554/MP 2554ZSP
MP 3054/MP 3054ZSP
MP 3554/MP 3554Z SPF
MP 3554/MP 3554ZSP
MP 4054/MP 4054AZSP
MP 5054AZSP
MP 5054/MP 5054Z SPF
MP 6054/MP 6054ZSP
MP C401
MP W7100R/MP W7100TR
MP W7100SP
MP W8140R/MP W8140TR
MP W8140SP
Pro C7100/Pro C7100X
Pro C7100S/Pro C7100SX
Pro C7110/Pro C7110X
Pro C7110S/Pro C7110SX
SP 5300
SP 5310
SP C331
SP C333
SP C334DN
SP C340
SP C341
SP C342
SP C440DN
SP C750
SP C751
SP C840
SP C840DN
SP C841
SP C842DN

V12.47.01 -------------------

<CVM Package>
rxopCVM12.47.01v3.zip

<Support models>
MP 2555
MP 305
MP 3055
MP 3555
MP 402
MP 4055
MP 501
MP 5055
MP 601
MP 6055
MP 6503
MP 7503
MP 9003

Model: **Streamline NX**	Date: 26-Oct-12	No.: RD639005n

MP C2004/MP C2094
MP C2504/MP C2594
MP C3004
MP C306Z SP / MP C306Z SPF
MP C307
MP C3504
MP C406Z SP / MP C406Z SPF
MP C407
MP C4504
MP C5504
MP C6004
MP C6503
MP C8003
MP CW1201
MP CW2201
Pro C5200S
Pro C5210S

Reference:
Device Direct Print can only be used on 13A or later MFPs. Also, the following devices with specific F/W are supported.

Model	Java VM	System/Copy	Printer
AL-C2	10.20.05 or later	2.16 or later	1.12or later
AP-C3	10.20.05 or later	2.13 or later	1.12 or later
AT-C3	10.20.05 or later	2.13 or later	1.11 or later
CH-C1	11.26.04 or later	1.13 or later	1.08 or later
GR-C1	10.20.05 or later	4.07 or later	1.11 or later
MT-C5	10.20.05 or later	1.09 or later	1.07 or later
MET-C1(ab)	11.26.04 or later	1.17 or later	1.10 or later
MET-C1(cde)	11.26.04 or later	1.21 or later	1.12 or later
MET-C1(yz)	11.26.04 or later	1.10 or later	1.05 or later
MO-C1	10.20.05 or later	1.07 or later	1.04 or later
OR-C2	11.26.04 or later	1.13 or later	1.12 or later
S-C5	10.20.05 or later	3.21 or later	1.09 or later
Z-C2	12.08.00 or later	1.06 or later	1.02 or later

2.6.2.0_(2)	– This package contains the latest RXOP versions of Java VM, which are used by RICOH Streamline NX Administration Manager's JavaVM update function. Please see the standard Java VM release notes for a list of changes. – Please apply a later version of the CVM package if the same supported models are listed amongst different CVM packages.

Model: **Streamline NX**	Date: 26-Oct-12	No.: RD639005n

– VM downgrade limitation
DO NOT downgrade a 15S or later device that has VM v12.31.00 or later to an earlier VM version using a CVM package. If a downgrade is performed, the VM will crash afterwards. In such a case, please perform an overwrite installation of VM v12.31.00 or later.

– Java VM v12.40.00 includes the fix for the Java VM verification expiration problem. For details about this problem, please see the following GK.

"FAQID:170628 Support Phase: Streamline NX" (Known Issue -> [2016/8/10] Streamline NX: Certificate for specific Java VM version expires.)

Important:
If the ADM version is v2.5.x or earlier, the required certificate should be imported into ADM when installing Java VM v12.40.00 to an MFP.

Because ADM v2.5.x or earlier conducts certificate validation, if the required certificate is not imported into ADM, the certificate validation process will fail in cases such as when applying "Device Preferences". Because ADM v2.6.0 or later does not conduct certificate validation, the import operation is not required.

The required certificate will be attached to the GK in October 2016.

V4.30.00 -------------------

<CVM package>
rxopCVM4.30.00v1.zip

<Supported models>
Aficio MP 2550/2550B/2851
Aficio MP 3350/3350B/3351
Aficio MP 4000/4000B/4001
Aficio MP 5000/5000B/5001
Aficio MP C2050
Aficio MP C2550
Aficio MP C2800
Aficio MP C3300
Aficio MP C4000
Aficio MP C5000
Aficio MP C6000
Aficio MP C7500
Aficio MP W5100
Aficio MP W7140
Aficio SP 8200DN
Aficio SP C420DN
IPSiO SP 8200
IPSiO SP C420
Pro C900S/C720S
Pro C901S
imagio MP 2550/2550B
imagio MP 3350/3350B
imagio MP 4000/4000B
imagio MP 5000/5000B
imagio MP C2200
imagio MP C2800

Model: **Streamline NX**	Date: 26-Oct-12	No.: RD639005n

imagio MP C3300
imagio MP C4000
imagio MP C5000
imagio MP C6000
imagio MP C7500
imagio MP W5100
imagio MP W7140

V5.19.00 ------------------

<CVM package>
rxopCVM5.19.00v1.zip

<Supported models>
Aficio MP 6001
Aficio MP 7001
Aficio MP 8001
Aficio MP 9001
Aficio SP 4210N
Aficio SP 6330N
Aficio SP C820DN
Aficio SP C821DN
IPSiO SP 4210
IPSiO SP 6310
IPSiO SP 6320
IPSiO SP 6330
IPSiO SP C720
IPSiO SP C721
IPSiO SP C721M
IPSiO SP C820
IPSiO SP C821
Pro 1107EXP
Pro 1357EXP
Pro 907EXP
Ricoh Pro 1107
Ricoh Pro 1107EX
Ricoh Pro 1357
Ricoh Pro 1357EX
Ricoh Pro 907
Ricoh Pro 907EX
imagio MP 6001
imagio MP 7501
imagio MP 9001/9001T

V7.23.00 ------------------

<CVM package>
rxopCVM7.23.00v1.zip

<Supported models>
Aficio MP 2352
Aficio MP 2852
Aficio MP 3352
Aficio MP C2051 SP
Aficio MP C2551 SP

Model: **Streamline NX**	Date: 26-Oct-12	No.: RD639005n

Aficio MP C300
Aficio MP C3001
Aficio MP C3501
Aficio MP C400
Aficio MP C4501
Aficio MP C4501A SP
Aficio MP C5501
Aficio MP C5501A SP
Aficio MP C6501
Aficio MP C7501
Aficio MP W2401
Aficio MP W3601
Aficio SP 4310N
Aficio SP 5200DN
Aficio SP 5200S/5210SF/5210SR
Aficio SP 5210DN
Aficio SP C320DN
Aficio SP C430DN
Aficio SP C431DN
IPSiO SP 4300
IPSiO SP 4310
IPSiO SP C320
Pro C651EX SP
Pro C751EX SP
imagio MP 2552
imagio MP 3352
imagio MP C2201
imagio MP C2801
imagio MP C3301
imagio MP C4001
imagio MP C4001A SP
imagio MP C5001
imagio MP C5001A SP/C5001A it
imagio MP C6001SP
imagio MP C7501SP
imagio MP W2401
imagio MP W3601

V7.24.00 -------------------

<CVM package>
rxopCVM7.24.00v1.zip

<Supported models>
Aficio SP 5200S/5210SF/5210SR

V10.24.01 -------------------

<CVM package>
rxopCVM10.24.01v1.zip

<Supported models>
Aficio MP 2001 SP
Aficio MP 2501 SP

Model: **Streamline NX**	Date: 26-Oct-12	No.: RD639005n

Aficio MP 301
Aficio MP 4002
Aficio MP 5002
Aficio MP 6002
Aficio MP 7502
Aficio MP 9002
Aficio MP C3002
Aficio MP C305
Aficio MP C3502
Aficio MP C4502
Aficio MP C4502A SP
Aficio MP C5502
Aficio MP C5502A SP
Aficio SP 8300DN
Aficio SP C830DN
Aficio SP C831DN
IPSiO SP 8300
IPSiO SP C830
IPSiO SP C831
imagio MP 1301
imagio MP 1601
imagio MP 4002
imagio MP 5002
imagio MP 6002
imagio MP 7502
imagio MP 9002/imagio MP 9002T
imagio MP C2802
imagio MP C3302
imagio MP C4002
imagio MP C4002A SP
imagio MP C5002
imagio MP C5002A SP

V11.30.02 -------------------

<CVM package>
rxopCVM11.30.02v1.zip

<Supported models>
Aficio SP C730DN
IPSiO SP C730
IPSiO SP C731
MP C6502 SP
MP C6502 SP
MP C8002 SP
MP C8002 SP
Pro 8100S
Pro 8100S
Pro 8110
Pro 8110S
Pro 8110S
Pro 8110Y/Pro 8110HT
Pro 8120
Pro 8120S
Pro 8120S
Pro 8120Y/Pro 8120HT

Model: **Streamline NX**	Date: 26-Oct-12	No.: RD639005n

Pro C5100S
Pro C5100S
Pro C5110S
Pro C5110S
SP 4510SF/MP 401 SPF
SP 4510SF/MP 401 SPF
SP 6410
SP 6420/SP 6420M
SP 6430/SP 6430M
SP 6430DN
SP 6440/SP 6440M

V11.31.00 -------------------

<CVM package>
rxopCVM11.31.00v1.zip

<Supported models>
Aficio MP 2553
Aficio MP 3053
Aficio MP 3353
MP C1803
MP C2003 SP/MP C2003Z SP
MP C2503 SP/MP C2503Z SP
MP C2503/MP C2503Z SPF
MP C3003/MP C3003Z
MP C3003/MP C3003Z
MP C3503/MP C3503Z
MP C3503/MP C3503Z
MP C4503/MP C4503Z
MP C4503/MP C4503Z
MP C4503A/MP C4503AZ
MP C4503A/MP C4503AZ
MP C5503/MP C5503Z
MP C5503/MP C5503Z
MP C5503A/MP C5503AZ
MP C5503A/MP C5503AZ
MP C6003/MP C6003
MP C6003/MP C6003Z
imagio MP 2553
imagio MP 3353

V12.09.07 -------------------

<CVM package>
rxopCVM12.09.07v1.zip

<Supported models>
SP C440DN

V12.12.06 -------------------

<CVM package>
rxopCVM12.12.06v2.zip

RICOH

Model: **Streamline NX**	Date: 26-Oct-12	No.: RD639005n

<Supported models>
MP C401

V12.15.03 -------------------

<CVM package>
rxopCVM12.15.03v1.zip

<Supported models>
MP C306Z SP / MP C306Z SPF
Pro C7100/Pro C7100X
Pro C7100S/Pro C7100SX
Pro C7110/Pro C7110X
Pro C7110S/Pro C7110SX

V12.18.11 -------------------

<CVM package>
rxopCVM12.18.11_13Av1.zip

<Supported models>
MP 2554
MP 2554/MP 2554ZSP
MP 3054/MP 3054ZSP
MP 3554/MP 3554Z SPF
MP 3554/MP 3554ZSP
MP 4054
MP 4054/MP 4054AZSP
MP 5054/MP 5054AZSP
MP 5054/MP 5054Z SPF
MP 6054
MP 6054/MP 6054ZSP

V12.20.04 -------------------

<CVM package>
rxopCVM12.20.04v1.zip

<Supported models>
MP W7100R/MP W7100TR
MP W7100SP
MP W8140R/MP W8140TR
MP W8140SP

V12.26.05 -------------------

<CVM package>
rxopCVM12.26.05v1.zip

<Supported models>
SP C750
SP C751

Model: **Streamline NX**	Date: 26-Oct-12	No.: RD639005n

V12.40.00 -------------------

<CVM package>
rxopCVM12.40.00v7.zip

<Supported models>
MP 305
MP C2004
MP C2504
MP C3004
MP C306Z SP / MP C306Z SPF
MP C3504
MP C406Z SP / MP C406Z SPF
MP C4504
MP C5504
MP C6004
MP CW1201
MP CW2201

Reference:
Device Direct Print can only be used on 13A or later MFPs. Also, the following devices with specific F/W are supported.

Model	Java VM	System/Copy	Printer
AL-C2	10.20.05 or later	2.16 or later	1.12or later
AP-C3	10.20.05 or later	2.13 or later	1.12 or later
AT-C3	10.20.05 or later	2.13 or later	1.11 or later
CH-C1	11.26.04 or later	1.13 or later	1.08 or later
GR-C1	10.20.05 or later	4.07 or later	1.11 or later
MT-C5	10.20.05 or later	1.09 or later	1.07 or later
MET-C1(ab)	11.26.04 or later	1.17 or later	1.10 or later
MET-C1(cde)	11.26.04 or later	1.21 or later	1.12 or later
MET-C1(yz)	11.26.04 or later	1.10 or later	1.05 or later
MO-C1	10.20.05 or later	1.07 or later	1.04 or later
OR-C2	11.26.04 or later	1.13 or later	1.12 or later
S-C5	10.20.05 or later	3.21 or later	1.09 or later
Z-C2	12.08.00 or later	1.06 or later	1.02 or later

2.6.2.0	- This package contains the latest RXOP versions of Java VM, which are used by RICOH Streamline NX Administration Manager's JavaVM update function. Please

Model: **Streamline NX**	Date: 26-Oct-12	No.: RD639005n

see the standard Java VM release notes for a list of changes
- Please apply a later version of the CVM package if the same supported models are listed amongst different CVM packages.

- Limitation of VM downgrade
  DO NOT downgrade a 15S or later device that has VM v12.31.00 or later to an earlier VM version using a CVM package.
  If a downgrade is performed, the VM will crash afterwards. In such a case, please perform an overwrite installation of VM v12.31.00 or later.

V4.30.00 -------------------

<CVM Package>
rxopCVM4.30.00v1.zip

<support model>
Aficio MP 2550/2550B/2851
Aficio MP 3350/3350B/3351
Aficio MP 4000/4000B/4001
Aficio MP 5000/5000B/5001
Aficio MP C2050
Aficio MP C2550
Aficio MP C2800
Aficio MP C3300
Aficio MP C4000
Aficio MP C5000
Aficio MP C6000
Aficio MP C7500
Aficio MP W5100
Aficio MP W7140
Aficio SP 8200DN
Aficio SP C420DN
IPSiO SP 8200
IPSiO SP C420
Pro C900S/C720S
Pro C901S
imagio MP 2550/2550B
imagio MP 3350/3350B
imagio MP 4000/4000B
imagio MP 5000/5000B
imagio MP C2200
imagio MP C2800
imagio MP C3300
imagio MP C4000
imagio MP C5000
imagio MP C6000
imagio MP C7500
imagio MP W5100
imagio MP W7140

V5.19.00 -------------------

<CVM Package>
rxopCVM5.19.00v1.zip

Model: **Streamline NX**	Date: 26-Oct-12	No.: RD639005n

<support model>
Aficio MP 6001
Aficio MP 7001
Aficio MP 8001
Aficio MP 9001
Aficio SP 4210N
Aficio SP 6330N
Aficio SP C820DN
Aficio SP C821DN
IPSiO SP 4210
IPSiO SP 6310
IPSiO SP 6320
IPSiO SP 6330
IPSiO SP C720
IPSiO SP C721
IPSiO SP C721M
IPSiO SP C820
IPSiO SP C821
Pro 1107EXP
Pro 1357EXP
Pro 907EXP
Ricoh Pro 1107
Ricoh Pro 1107EX
Ricoh Pro 1357
Ricoh Pro 1357EX
Ricoh Pro 907
Ricoh Pro 907EX
imagio MP 6001
imagio MP 7501
imagio MP 9001/9001T

V7.23.00 ------------------

<CVM Package>
rxopCVM7.23.00v1.zip

<support model>
Aficio MP 2352
Aficio MP 2852
Aficio MP 3352
Aficio MP C2051 SP
Aficio MP C2551 SP
Aficio MP C300
Aficio MP C3001
Aficio MP C3501
Aficio MP C400
Aficio MP C4501
Aficio MP C4501A SP
Aficio MP C5501
Aficio MP C5501A SP
Aficio MP C6501
Aficio MP C7501
Aficio MP W2401
Aficio MP W3601

| Model: **Streamline NX** | Date: 26-Oct-12 | No.: RD639005n |

Aficio SP 4310N
Aficio SP 5200DN
Aficio SP 5200S/5210SF/5210SR
Aficio SP 5210DN
Aficio SP C320DN
Aficio SP C430DN
Aficio SP C431DN
IPSiO SP 4300
IPSiO SP 4310
IPSiO SP C320
Pro C651EX SP
Pro C751EX SP
imagio MP 2552
imagio MP 3352
imagio MP C2201
imagio MP C2801
imagio MP C3301
imagio MP C4001
imagio MP C4001A SP
imagio MP C5001
imagio MP C5001A SP/C5001A it
imagio MP C6001SP
imagio MP C7501SP
imagio MP W2401
imagio MP W3601

V7.24.00 -------------------

<CVM Package>
rxopCVM7.24.00v1.zip

<Support models>
Aficio SP 5200S/5210SF/5210SR

V10.24.01 -------------------

<CVM Package>
rxopCVM10.24.01v1.zip

<Support models>
Aficio MP 2001 SP
Aficio MP 2501 SP
Aficio MP 301
Aficio MP 4002
Aficio MP 5002
Aficio MP 6002
Aficio MP 7502
Aficio MP 9002
Aficio MP C3002
Aficio MP C305
Aficio MP C3502
Aficio MP C4502
Aficio MP C4502A SP

Model: **Streamline NX**	Date: 26-Oct-12	No.: RD639005n

Aficio MP C5502
Aficio MP C5502A SP
Aficio SP 8300DN
Aficio SP C830DN
Aficio SP C831DN
IPSiO SP 8300
IPSiO SP C830
IPSiO SP C831
imagio MP 1301
imagio MP 1601
imagio MP 4002
imagio MP 5002
imagio MP 6002
imagio MP 7502
imagio MP 9002/imagio MP 9002T
imagio MP C2802
imagio MP C3302
imagio MP C4002
imagio MP C4002A SP
imagio MP C5002
imagio MP C5002A SP

V11.30.02 -------------------

<CVM Package>
rxopCVM11.30.02v1.zip

<Support models>
Aficio SP C730DN
IPSiO SP C730
IPSiO SP C731
MP C6502 SP
MP C6502 SP
MP C8002 SP
MP C8002 SP
Pro 8100S
Pro 8100S
Pro 8110
Pro 8110S
Pro 8110S
Pro 8110Y/Pro 8110HT
Pro 8120
Pro 8120S
Pro 8120S
Pro 8120Y/Pro 8120HT
Pro C5100S
Pro C5100S
Pro C5110S
Pro C5110S
SP 4510SF/MP 401 SPF
SP 4510SF/MP 401 SPF
SP 6410
SP 6420/SP 6420M
SP 6430/SP 6430M
SP 6430DN

SP 6440/SP 6440M

V11.31.00 -------------------

<CVM Package>
rxopCVM11.31.00v1.zip

<Support models>
Aficio MP 2553
Aficio MP 3053
Aficio MP 3353
MP C1803
MP C2003 SP/MP C2003Z SP
MP C2503 SP/MP C2503Z SP
MP C2503/MP C2503Z SPF
MP C3003/MP C3003Z
MP C3003/MP C3003Z
MP C3503/MP C3503Z
MP C3503/MP C3503Z
MP C4503/MP C4503Z
MP C4503/MP C4503Z
MP C4503A/MP C4503AZ
MP C4503A/MP C4503AZ
MP C5503/MP C5503Z
MP C5503/MP C5503Z
MP C5503A/MP C5503AZ
MP C5503A/MP C5503AZ
MP C6003/MP C6003
MP C6003/MP C6003Z
imagio MP 2553
imagio MP 3353

V12.09.07 -------------------

<CVM Package>
rxopCVM12.09.07v1.zip

<Support models>
SP C440DN

V12.12.06 -------------------

<CVM Package>
rxopCVM12.12.06v2.zip

<Support models>
MP C401

V12.15.03 -------------------

<CVM Package>
rxopCVM12.15.03v1.zip

<Support models>
MP C306Z SP / MP C306Z SPF
Pro C7100/Pro C7100X
Pro C7100S/Pro C7100SX
Pro C7110/Pro C7110X
Pro C7110S/Pro C7110SX

V12.18.11 ------------------

<CVM Package>
rxopCVM12.18.11_13Av1.zip

<Support models>
MP 2554
MP 2554/MP 2554ZSP
MP 3054/MP 3054ZSP
MP 3554/MP 3554Z SPF
MP 3554/MP 3554ZSP
MP 4054
MP 4054/MP 4054AZSP
MP 5054/MP 5054AZSP
MP 5054/MP 5054Z SPF
MP 6054
MP 6054/MP 6054ZSP

V12.20.04 -------------------

<CVM Package>
rxopCVM12.20.04v1.zip

MP W7100R/MP W7100TR
MP W7100SP
MP W8140R/MP W8140TR
MP W8140SP

V12.26.05 ------------------

<CVM Package>
rxopCVM12.26.05v1.zip

<Support models>
SP C750
SP C751

V12.34.01 ------------------

Model: **Streamline NX**	Date: 26-Oct-12	No.: RD639005n

<CVM Package>
rxopCVM12.34.01v2.zip

<Support models>
MP 305
MP C306Z SP / MP C306Z SPF
MP C406Z SP / MP C406Z SPF

V12.35.01 -------------------

<CVM Package>
rxopCVM12.35.01v3.zip

<Support models>
MP C2004
MP C2504
MP C3004
MP C3504
MP C4504
MP C5504
MP C6004

Reference:
Device Direct Print can only be used on MFPs of 13A or later. Also, the following devices with specific F/W are supported.

Model	Java VM	System/Copy	Printer
MP4002 MP5002	10.20.05 or later	2.16 or later	1.12 or later
MPC4502 MPC5502	10.20.05 or later	2.13 or later	1.12 or later
MPC3002 MPC3502	10.20.05 or later	2.13 or later	1.11 or later
MP C6502 MP C8002	11.26.04 or later	1.13 or later	1.08 or later
MPC305	10.20.05 or later	4.07 or later	1.11 or later
MP6002 MP7502 MP9002	10.20.05 or later	1.09 or later	1.07 or later
MP C3003 MP C3503	11.26.04 or later	1.17 or later	1.10 or later
MP C4503 MP C5503 MP C6003	11.26.04 or later	1.21 or later	1.12 or later
C2003 C2003Z C2503 C2503Z	11.26.04 or later	1.10 or later	1.05 or later
MPCW2200	10.20.05 or later	1.07 or later	1.04 or later
MP2553 MP3353 MP3053	11.26.04 or later	1.13 or later	1.12 or later
MP301	10.20.05 or later	3.21 or later	1.09 or later
MP C401	12.08.00 or later	1.06 or later	1.02 or later

Model: **Streamline NX**		Date: 26-Oct-12	No.: RD639005n

	MP C401 SR				
2.6.0.0	We have modified the "CVM Package" file name information for V12.17.01 as follows.				

V12.17.01 -------------------

\<CVM Package\>
~~rxopCVM12.15.03v1.zip~~
rxopCVM12.17.01v1.zip

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This package contains the latest RXOP versions of Java VM, which are used by

RICOH Streamline NX Administration Manager's JavaVM update function. Please see

the standard Java VM release notes for a list of changes.

V4.30.00 -------------------

\<CVM Package\>
rxopCVM4.30.00v1.zip

\<support model\>
Aficio MP 2550/2550B/2851
Aficio MP 3350/3350B/3351
Aficio MP 4000/4000B/4001
Aficio MP 5000/5000B/5001
Aficio MP C2050
Aficio MP C2550
Aficio MP C2800
Aficio MP C3300
Aficio MP C4000
Aficio MP C5000
Aficio MP C6000
Aficio MP C7500
Aficio MP W5100
Aficio MP W7140
Aficio SP 8200DN
Aficio SP C420DN
IPSiO SP 8200
IPSiO SP C420
Pro C900S/C720S
Pro C901S
imagio MP 2550/2550B
imagio MP 3350/3350B
imagio MP 4000/4000B
imagio MP 5000/5000B
imagio MP C2200
imagio MP C2800
imagio MP C3300
imagio MP C4000
imagio MP C5000
imagio MP C6000
imagio MP C7500
imagio MP W5100
imagio MP W7140

V5.19.00 -------------------

Model: **Streamline NX**	Date: 26-Oct-12	No.: RD639005n

<CVM Package>
rxopCVM5.19.00v1.zip

<support model>
Aficio MP 6001
Aficio MP 7001
Aficio MP 8001
Aficio MP 9001
Aficio SP 4210N
Aficio SP 6330N
Aficio SP C820DN
Aficio SP C821DN
IPSiO SP 4210
IPSiO SP 6310
IPSiO SP 6320
IPSiO SP 6330
IPSiO SP C720
IPSiO SP C721
IPSiO SP C721M
IPSiO SP C820
IPSiO SP C821
Pro 1107EXP
Pro 1357EXP
Pro 907EXP
Ricoh Pro 1107
Ricoh Pro 1107EX
Ricoh Pro 1357
Ricoh Pro 1357EX
Ricoh Pro 907
Ricoh Pro 907EX
imagio MP 6001
imagio MP 7501
imagio MP 9001/9001T

V7.23.00 -------------------

<CVM Package>
rxopCVM7.23.00v1.zip

<support model>
Aficio MP 2352
Aficio MP 2852
Aficio MP 3352
Aficio MP C2051 SP
Aficio MP C2551 SP
Aficio MP C300
Aficio MP C3001
Aficio MP C3501
Aficio MP C400
Aficio MP C4501
Aficio MP C4501A SP
Aficio MP C5501
Aficio MP C5501A SP
Aficio MP C6501
Aficio MP C7501
Aficio MP W2401

Model: **Streamline NX**	Date: 26-Oct-12	No.: RD639005n

Aficio MP W3601
Aficio SP 4310N
Aficio SP 5200DN
Aficio SP 5200S/5210SF/5210SR
Aficio SP 5210DN
Aficio SP C320DN
Aficio SP C430DN
Aficio SP C431DN
IPSiO SP 4300
IPSiO SP 4310
IPSiO SP C320
Pro C651EX SP
Pro C751EX SP
imagio MP 2552
imagio MP 3352
imagio MP C2201
imagio MP C2801
imagio MP C3301
imagio MP C4001
imagio MP C4001A SP
imagio MP C5001
imagio MP C5001A SP/C5001A it
imagio MP C6001SP
imagio MP C7501SP
imagio MP W2401
imagio MP W3601

V7.24.00 -------------------

<CVM Package>
rxopCVM7.24.00v1.zip

<Support models>
Aficio SP 5200S/5210SF/5210SR

V10.23.01 -------------------

<CVM Package>
rxopCVM10.23.01v1.zip

＜support model＞
Aficio MP 2001 SP
Aficio MP 2501 SP
Aficio MP 301
Aficio MP 4002
Aficio MP 5002
Aficio MP 6002
Aficio MP 7502
Aficio MP 9002
Aficio MP C3002
Aficio MP C305
Aficio MP C3502
Aficio MP C4502
Aficio MP C4502A SP
Aficio MP C5502
Aficio MP C5502A SP

Model: **Streamline NX**	Date: 26-Oct-12	No.: RD639005n

Aficio MP CW2200
Aficio SP 8300DN
Aficio SP C830DN
Aficio SP C831DN
IPSiO SP 8300
IPSiO SP C830
IPSiO SP C831
Pro 6100
imagio MP 1301
imagio MP 1601
imagio MP 4002
imagio MP 5002
imagio MP 6002
imagio MP 7502
imagio MP 9002/imagio MP 9002T
imagio MP C2802
imagio MP C3302
imagio MP C4002
imagio MP C4002A SP
imagio MP C5002
imagio MP C5002A SP
imagio MP CW1200
imagio MP CW2200
imagio MP W4001

V11.26.04 -------------------

<CVM Package>
rxopCVM11.26.04v2.zip

<Support models>
IPSiO SP C730
IPSiO SP C731
SP 4500
SP 4510
SP 4510DN
SP 4510SF/MP 401 SPF
SP 4510SF/MP 401 SPF
SP 4520DN
SP 6410
SP 6420/SP 6420M
SP 6430/SP 6430M
SP 6430DN
SP 6440/SP 6440M
SP C331
SP C332DN
SP C333
SP C334DN

V11.28.03 -------------------

<CVM Package>
rxopCVM11.28.03v2.zip

<Support models>
MP C6502 SP

Model: **Streamline NX**	Date: 26-Oct-12	No.: RD639005n

MP C8002 SP
MP C8002 SP
Pro C5100S
Pro C5110S

V11.29.02 -------------------

<CVM Package>
rxopCVM11.29.02v4.zip

<Support models>
IPSiO SP C730
IPSiO SP C731
SP 4500
SP 4510
SP 4510DN
SP 4510SF/MP 401 SPF
SP 4510SF/MP 401 SPF
SP 4520DN
SP 6410
SP 6420/SP 6420M
SP 6430/SP 6430M
SP 6430DN
SP 6440/SP 6440M
SP C331
SP C332DN
SP C333
SP C334DN

V12.09.07 -------------------

<CVM Package>
rxopCVM12.09.07v1.zip

<Support models>
SP C440DN

V12.12.06 -------------------

<CVM Package>
rxopCVM12.12.06v2.zip

<Support models>
MP C401

V12.15.03 -------------------

<CVM Package>
rxopCVM12.15.03v1.zip

<Support models>
MP C306Z SP / MP C306Z SPF
Pro C7100/Pro C7100X

Pro C7100S/Pro C7100SX
Pro C7110/Pro C7110X
Pro C7110S/Pro C7110SX

V12.17.01 -------------------

<CVM Package>
~~rxopCVM12.15.03v1.zip~~
rxopCVM12.17.01v1.zip

<Support models>
MP W7100R/MP W7100TR
MP W7100SP
MP W8140R/MP W8140TR
MP W8140SP

V12.18.11 -------------------

<CVM Package>
rxopCVM12.18.11_13Av1.zip

<Support models>
MP 2554/MP 2554ZSP
MP 3054/MP 3054ZSP
MP 3554/MP 3554Z SPF
MP 3554/MP 3554ZSP
MP 4054/MP 4054AZSP
MP 5054/MP 5054AZSP
MP 5054/MP 5054Z SPF
MP 6054/MP 6054ZSP

V12.18.11 -------------------

<CVM Package>
rxopCVM12.18.11v3.zip

<Support models>
MP C306Z SP / MP C306Z SPF
MP C406Z SP / MP C406Z SPF

Important note:
The following firmware is required to use the Device Direct Print function. Please be sure to use the correct device/firmware combination.

Model	Java VM	System/Copy	Printer
MP4002 MP5002	10.20.05 or later	2.16 or later	1.12 or later
MPC4502 MPC5502	10.20.05 or later	2.13 or later	1.12 or later
MPC3002 MPC3502	10.20.05 or later	2.13 or later	1.11 or later
MP C6502 MP C8002	11.26.04 or later	1.13 or later	1.08 or later

| Model: **Streamline NX** | | Date: 26-Oct-12 | No.: RD639005n |

	MPC305	10.20.05 or later	4.07 or later	1.11 or later
	MP6002 MP7502 MP9002	10.20.05 or later	1.09 or later	1.07 or later
	MP C3003 MP C3503	11.26.04 or later	1.17 or later	1.10 or later
	MP C4503 MP C5503 MP C6003	11.26.04 or later	1.21 or later	1.12 or later
	C2003 C2003Z C2503 C2503Z	11.26.04 or later	1.10 or later	1.05 or later
	MPCW2200	10.20.05 or later	1.07 or later	1.04 or later
	MP2553 MP3353 MP3053	11.26.04 or later	1.13 or later	1.12 or later
	MP301	10.20.05 or later	3.21 or later	1.09 or later
	MP C401 MP C401 SR	12.08.00 or later	1.06 or later	1.02 or later
2.5.0.0	This package contains the latest RXOP versions of Java VM, which are used by RICOH Streamline NX Administration Manager's JavaVM update function. Please see the standard Java VM release notes for a list of changes. V4.30.00 ------------------- <CVM Package> rxopCVM4.30.00v1.zip <Support models> Aficio MP 2550/2550B/2851 Aficio MP 3350/3350B/3351 Aficio MP 4000/4000B/4001 Aficio MP 5000/5000B/5001 Aficio MP C2050 Aficio MP C2550 Aficio MP C2800 Aficio MP C3300 Aficio MP C4000 Aficio MP C5000 Aficio MP C6000 Aficio MP C7500 Aficio MP W5100 Aficio MP W7140 Aficio SP 8200DN Aficio SP C420DN IPSiO SP 8200 IPSiO SP C420 Pro C900S/C720S Pro C901S imagio MP 2550/2550B imagio MP 3350/3350B imagio MP 4000/4000B imagio MP 5000/5000B imagio MP C2200 imagio MP C2800 imagio MP C3300			

Model: **Streamline NX**	Date: 26-Oct-12	No.: RD639005n

imagio MP C4000
imagio MP C5000
imagio MP C6000
imagio MP C7500
imagio MP W5100
imagio MP W7140

V5.19.00 ------------------

<CVM Package>
rxopCVM5.19.00v1.zip

<Support models>
Aficio MP 6001
Aficio MP 7001
Aficio MP 8001
Aficio MP 9001
Aficio SP 4210N
Aficio SP 6330N
Aficio SP C820DN
Aficio SP C821DN
IPSiO SP 4210
IPSiO SP 6310
IPSiO SP 6320
IPSiO SP 6330
IPSiO SP C720
IPSiO SP C721
IPSiO SP C721M
IPSiO SP C820
IPSiO SP C821
Pro 1107EXP
Pro 1357EXP
Pro 907EXP
Ricoh Pro 1107
Ricoh Pro 1107EX
Ricoh Pro 1357
Ricoh Pro 1357EX
Ricoh Pro 907
Ricoh Pro 907EX
imagio MP 6001
imagio MP 7501
imagio MP 9001/9001T

V7.23.00 ------------------

<CVM Package>
rxopCVM7.23.00v1.zip

<Support models>
Aficio MP 2352
Aficio MP 2852
Aficio MP 3352
Aficio MP C2051 SP
Aficio MP C2551 SP
Aficio MP C300

RICOH

Model: **Streamline NX**	Date: 26-Oct-12	No.: RD639005n

Aficio MP C3001
Aficio MP C3501
Aficio MP C400
Aficio MP C4501
Aficio MP C4501A SP
Aficio MP C5501
Aficio MP C5501A SP
Aficio MP C6501
Aficio MP C7501
Aficio MP W2401
Aficio MP W3601
Aficio SP 4310N
Aficio SP 5200DN
Aficio SP 5200S/5210SF/5210SR
Aficio SP 5210DN
Aficio SP C320DN
Aficio SP C430DN
Aficio SP C431DN
IPSiO SP 4300
IPSiO SP 4310
IPSiO SP C320
Pro C651EX SP
Pro C751EX SP
imagio MP 2552
imagio MP 3352
imagio MP C2201
imagio MP C2801
imagio MP C3301
imagio MP C4001
imagio MP C4001A SP
imagio MP C5001
imagio MP C5001A SP/C5001A it
imagio MP C6001SP
imagio MP C7501SP
imagio MP W2401
imagio MP W3601

V7.24.00 -------------------

<CVM Package>
rxopCVM7.24.00v1.zip

<Support models>
Aficio SP 5200S/5210SF/5210SR

V10.23.01 -------------------

<CVM Package>
rxopCVM10.23.01v1.zip

<Support models>
Aficio MP 2001 SP
Aficio MP 2501 SP
Aficio MP 301
Aficio MP 4002

Model: **Streamline NX**	Date: 26-Oct-12	No.: RD639005n

Aficio MP 5002
Aficio MP 6002
Aficio MP 7502
Aficio MP 9002
Aficio MP C3002
Aficio MP C305
Aficio MP C3502
Aficio MP C4502
Aficio MP C4502A SP
Aficio MP C5502
Aficio MP C5502A SP
Aficio MP CW2200
Aficio SP 8300DN
Aficio SP C830DN
Aficio SP C831DN
IPSiO SP 8300
IPSiO SP C830
IPSiO SP C831
Pro 6100
imagio MP 1301
imagio MP 1601
imagio MP 4002
imagio MP 5002
imagio MP 6002
imagio MP 7502
imagio MP 9002/imagio MP 9002T
imagio MP C2802
imagio MP C3302
imagio MP C4002
imagio MP C4002A SP
imagio MP C5002
imagio MP C5002A SP
imagio MP CW1200
imagio MP CW2200
imagio MP W4001

V11.26.04 -------------------

<CVM Package>
rxopCVM11.26.04v1.zip

<support model>
SP 4510/4520
SP 6430

V11.28.03 -------------------

<CVM Package>
rxopCVM11.28.03.zip

<Support models>
Aficio SP C730DN
IPSiO SP C730
IPSiO SP C731
MP C6502 SP

MP C8002 SP
Pro C5100S
Pro C5110S

V11.29.02 -------------------

<CVM Package>
rxopCVM11.29.02.zip

<Support models>
Aficio MP 2553
Aficio MP 3053
Aficio MP 3353
MP C1803
MP C2003 SP/MP C2003Z SP
MP C2503 SP/MP C2503Z SP
MP C2503/MP C2503Z SPF
MP C3003/MP C3003Z
MP C3003/MP C3003Z
MP C3503/MP C3503Z
MP C3503/MP C3503Z
MP C4503/MP C4503Z
MP C4503/MP C4503Z
MP C4503A/MP C4503AZ
MP C4503A/MP C4503AZ
MP C5503/MP C5503Z
MP C5503/MP C5503Z
MP C5503A/MP C5503AZ
MP C5503A/MP C5503AZ
MP C6003/MP C6003
MP C6003/MP C6003Z
Pro 8100S
Pro 8100S
Pro 8110S
Pro 8110S
Pro 8120S
Pro 8120S
imagio MP 2553
imagio MP 3353

V12.09.07 -------------------

<CVM Package>
rxopCVM12.09.07v1.zip

<Support models>
SP C440DN

V12.11.04 -------------------

<CVM Package>
rxopCVM12.11.04v1.zip

<Support models>

Model: **Streamline NX**	Date: 26-Oct-12	No.: RD639005n

MP C401
MP C401SR

V12.12.06 -------------------

<CVM Package>
rxopCVM12.12.06v1.zip

<Support models>
MP 2554
MP 2554/MP 2554ZSP
MP 3054/MP 3054ZSP
MP 3554/MP 3554Z SPF
MP 3554/MP 3554ZSP
MP 4054
MP 4054/MP 4054AZSP
MP 5054/MP 5054AZSP
MP 5054/MP 5054Z SPF
MP 6054
MP 6054/MP 6054ZSP
MP C401

Important note:
The following firmware is required to use the Device Direct Print function. Please be sure to use the correct device/firmware combination.

Model	Java VM	System/Copy	Printer
MP4002 MP5002	10.20.05 or later	2.16 or later	1.12 or later
MPC4502 MPC5502	10.20.05 or later	2.13 or later	1.12 or later
MPC3002 MPC3502	10.20.05 or later	2.13 or later	1.11 or later
MP C6502 MP C8002	11.26.04 or later	1.13 or later	1.08 or later
MPC305	10.20.05 or later	4.07 or later	1.11 or later
MP6002 MP7502 MP9002	10.20.05 or later	1.09 or later	1.07 or later
MP C3003 MP C3503	11.26.04 or later	1.17 or later	1.10 or later
MP C4503 MP C5503 MP C6003	11.26.04 or later	1.21 or later	1.12 or later
C2003 C2003Z C2503 C2503Z	11.26.04 or later	1.10 or later	1.05 or later
MPCW2200	10.20.05 or later	1.07 or later	1.04 or later
MP2553 MP3353 MP3053	11.26.04 or later	1.13 or later	1.12 or later
MP301	10.20.05 or later	3.21 or later	1.09 or later

Model: **Streamline NX**		Date: 26-Oct-12	No.: RD639005n
MP C401 MP C401 SR	12.08.00 or later	1.06 or later	1.02 or later

2.4.0.0	This package contains the latest RXOP versions of Java VM, which are used by RICOH Streamline NX Administration Manager's JavaVM update function. Please see the standard Java VM release notes for a list of changes.
	
	Fixed:
	- It appears as if SLNX has disappeared from the device because the Java VM platform cannot boot. Then, the device displays SC990.
	    Corresponding VM versions:
	  V4.30.00/V5.19.00/V7.23.00/V10.20.05/V11.26.04
	
	Other:
	- The following VM version corresponds to SLNX for Smart Operation Panel models. Note that SLNX supports Cheetah compatibility mode since version 2.3.0.
	  V11.26.04
	
	- The following VM versions corresponds to Host System Print.
	  V10.20.05/V11.26.04
	
	V4.30.00 (rxopCVM4.30.00v1.zip):
	Aficio MP 2550/2550B/2851
	Aficio MP 3350/3350B/3351
	Aficio MP 4000/4000B/4001
	Aficio MP 5000/5000B/5001
	Aficio MP C2050
	Aficio MP C2550
	Aficio MP C2800
	Aficio MP C3300
	Aficio MP C4000
	Aficio MP C5000
	Aficio MP C6000
	Aficio MP C7500
	Aficio MP W5100
	Aficio MP W7140
	Aficio SP 8200DN
	Aficio SP C420DN
	Pro C900S/C720S
	Pro C901S
	
	V5.19.00 (rxopCVM5.19.00v1.zip):
	Aficio MP 6001
	Aficio MP 7001
	Aficio MP 8001
	Aficio MP 9001
	Aficio SP 4210N
	Aficio SP 6330N
	Aficio SP C820DN
	Aficio SP C821DN
	Pro 1107EXP
	Pro 1357EXP
	Pro 907EXP

Ricoh Pro 1107
Ricoh Pro 1107EX
Ricoh Pro 1357
Ricoh Pro 1357EX
Ricoh Pro 907
Ricoh Pro 907EX

V7.23.00 (rxopCVM7.23.00v1.zip):
Aficio MP 2352
Aficio MP 2852
Aficio MP 3352
Aficio MP C2051 SP
Aficio MP C2551 SP
Aficio MP C300
Aficio MP C3001
Aficio MP C3501
Aficio MP C400
Aficio MP C4501
Aficio MP C4501A SP
Aficio MP C5501
Aficio MP C5501A SP
Aficio MP C6501
Aficio MP C7501
Aficio MP W2401
Aficio MP W3601
Aficio SP 4310N
Aficio SP 5200DN
Aficio SP 5200S/5210SF/5210SR
Aficio SP 5210DN
Aficio SP C320DN
Aficio SP C430DN
Aficio SP C431DN
Pro C651EX SP
Pro C751EX SP

V10.20.05 (rxopCVM10.20.05v1.zip):
Aficio MP 2001 SP
Aficio MP 2501 SP
Aficio MP 301
Aficio MP 4002
Aficio MP 5002
Aficio MP 6002
Aficio MP 7502
Aficio MP 9002
Aficio MP C3002
Aficio MP C305
Aficio MP C3502
Aficio MP C4502
Aficio MP C4502A SP
Aficio MP C5502
Aficio MP C5502A SP
Aficio MP CW2200
Aficio SP 8300DN
Aficio SP C830DN
Aficio SP C831DN

Model: **Streamline NX**	Date: 26-Oct-12	No.: RD639005n

	Pro 6100
	V11.21.00 (rxopCVM11.21.00v1.zip):
	Pro 8100S
	Pro 8110S
	Pro 8120S
	V11.26.04 (rxopCVM11.26.04.zip):
	Aficio MP 2553
	Aficio MP 3053
	Aficio MP 3353
	Aficio SP C730DN
	MP C1803
	MP C2003 SP/MP C2003Z SP
	MP C2503 SP/MP C2503Z SP
	MP C2503/MP C2503Z SPF
	MP C3003/MP C3003Z
	MP C3503/MP C3503Z
	MP C4503/MP C4503Z
	MP C4503A/MP C4503AZ
	MP C5503/MP C5503Z
	MP C5503A/MP C5503AZ
	MP C6003/MP C6003Z
	MP C6502 SP
	MP C8002 SP
	Pro C5100S
	Pro C5110S
	V12.06.01 (rxopCVM12.06.01v1.zip):
	MP 2554
	MP 2554/MP 2554ZSP
	MP 3054/MP 3054ZSP
	MP 3554/MP 3554Z SPF
	MP 3554/MP 3554ZSP
	MP 4054
	MP 4054/MP 4054AZSP
	MP 5054/MP 5054AZSP
	MP 5054/MP 5054Z SPF
	MP 6054
	MP 6054/MP 6054ZSP
	V12.08.00 (rxopCVM12.08.00v1.zip):
	MP C401
2.3.0.0_(2)	This package contains the latest RXOP versions of Java VM, which are used by RICOH Streamline NX Administration Manager's JavaVM update function. Please see the standard Java VM release notes for a list of changes.
	Fixed:
	- It appears as if SLNX has disappeared from the device because the Java VM platform cannot boot.
	Corresponding VM version:
	v10.19/v11.24.02/v11.25.04/v12.06.01/v12.08.00

Model: **Streamline NX**	Date: 26-Oct-12	No.: RD639005n

Other:
- The following VM versions corresponds to SLNX for Smart Operation Panel models.
v11.24.02/v11.25.04/v12.06.01/v12.08.00

- The following VM versions corresponds to Host System Print.
v10.19/v11.25.04

V4.29.00 (rxopCVM4.29.00_0.zip):
Aficio MP 2550/2550B/2851
Aficio MP 3350/3350B/3351
Aficio MP 4000/4000B/4001
Aficio MP 5000/5000B/5001
Aficio MP C2050
Aficio MP C2550
Aficio MP C2800
Aficio MP C3300
Aficio MP C4000
Aficio MP C5000
Aficio MP C6000
Aficio MP C7500
Aficio MP W5100
Aficio MP W7140
Aficio SP 8200DN
Aficio SP C420DN
Pro C900S
Pro C900S/C720S
Pro C901S

V5.18.00 (rxopCVM5.18.00.zip):
Aficio MP 6001
Aficio MP 7001
Aficio MP 8001
Aficio MP 9001
Aficio SP 4210N
Aficio SP 6330N
Aficio SP C820DN
Aficio SP C821DN
Pro 1107EXP
Pro 1357EXP
Pro 907EXP
Ricoh Pro 1107
Ricoh Pro 1107EX
Ricoh Pro 1357
Ricoh Pro 1357EX
Ricoh Pro 907
Ricoh Pro 907EX

V7.22.00 (rxopCVM7.22.00.zip):
Aficio MP 2352
Aficio MP 2852
Aficio MP 3352
Aficio MP C2051 SP
Aficio MP C2551 SP
Aficio MP C300

Model: **Streamline NX**	Date: 26-Oct-12	No.: RD639005n

Aficio MP C3001
Aficio MP C3501
Aficio MP C400
Aficio MP C4501
Aficio MP C4501A SP
Aficio MP C5501
Aficio MP C5501A SP
Aficio MP C6501
Aficio MP C7501
Aficio MP W2401
Aficio MP W3601
Aficio SP 4310N
Aficio SP 5200DN
Aficio SP 5200S/5210SF/5210SR
Aficio SP 5210DN
Aficio SP C320DN
Aficio SP C430DN
Aficio SP C431DN
Pro C651EX SP
Pro C751EX SP

V10.17.00 (rxopCVM10.17.00v2.zip):
Aficio MP C3002
Aficio MP C3502
Aficio MP C4502
Aficio MP C4502A SP
Aficio MP C5502
Aficio MP C5502A SP
Aficio MP CW2200
Pro 6100

V10.19.00 (rxopCVM10.19.00v1.zip):
Aficio MP 2001 SP
Aficio MP 2501 SP
Aficio MP 301
Aficio MP 4002
Aficio MP 5002
Aficio MP 6002
Aficio MP 7502
Aficio MP 9002
Aficio MP C305
Aficio SP 8300DN
Aficio SP C830DN
Aficio SP C831DN

V11.17.01 (rxopCVM11.17.01v2.zip):
Aficio SP C730DN
SP 4500
SP 4510
SP 4510DN
SP 4510SF/MP 401 SPF
SP 4520DN

Model: **Streamline NX**	Date: 26-Oct-12	No.: RD639005n

	V11.21.00 (rxopCVM11.21.00v1.zip): Pro 8100S Pro 8110S Pro 8120S V11.24.02 (rxopCVM11.24.02v1.zip): Aficio MP 2553 Aficio MP 3053 Aficio MP 3353 MP C4503 MP C5503 MP C6003 V11.25.04 (rxopCVM11.25.04v1.zip): MP C1803 MP C2003 SP/MP C2003Z SP MP C2503 SP/MP C2503Z SP MP C2503/MP C2503Z SPF MP C3003 MP C3503 MP C6502 SP MP C8002 SP Pro C5100S Pro C5110S V12.06.01 (rxopCVM12.06.01v1.zip): MP 2554 MP 2554/MP 2554ZSP MP 3054/MP 3054ZSP MP 3554/MP 3554Z SPF MP 3554/MP 3554ZSP MP 4054 MP 4054/MP 4054AZSP MP 5054/MP 5054AZSP MP 5054/MP 5054Z SPF MP 6054 MP 6054/MP 6054ZSP V12.08.00 (rxopCVM12.08.00v1.zip): MP C401
2.2.0.0_(2)	This package contains the latest RXOP versions of Java VM, which are used by RICOH Streamline NX Administration Manager's JavaVM update function. Please see the standard Java VM release notes for a list of changes. Important: The problem with SDK application configurations disappearing after the device Java VM is updated has been fixed in the following Java VM versions. If the old device Java VM is updated, you must re-install the SDK applications and distribute the configurations again. V4.29.00 (rxopCVM4.29.00.zip): Aficio MP 2550/2550B/2851

Model: **Streamline NX**	Date: 26-Oct-12	No.: RD639005n

Aficio MP 3350/3350B/3351
Aficio MP 4000/4000B/4001
Aficio MP 5000/5000B/5001
Aficio MP C2050
Aficio MP C2550
Aficio MP C2800
Aficio MP C3300
Aficio MP C4000
Aficio MP C5000
Aficio MP C6000
Aficio MP C7500
Aficio MP W5100
Aficio MP W7140
Aficio SP 8200DN
Aficio SP C420DN
Pro C900S
Pro C900S/C720S
Pro C901S

V5.18.00 (rxopCVM5.18.00.zip):
Aficio MP 6001
Aficio MP 7001
Aficio MP 8001
Aficio MP 9001
Aficio SP 4210N
Aficio SP 6330N
Aficio SP C820DN
Aficio SP C821DN
Pro 1107EXP
Pro 1357EXP
Pro 907EXP
Ricoh Pro 1107
Ricoh Pro 1107EX
Ricoh Pro 1357
Ricoh Pro 1357EX
Ricoh Pro 907
Ricoh Pro 907EX

V7.22.00 (rxopCVM7.22.00.zip):
Aficio MP 2352
Aficio MP 2852
Aficio MP 3352
Aficio MP C2051 SP
Aficio MP C2551 SP
Aficio MP C300
Aficio MP C3001
Aficio MP C3501
Aficio MP C400
Aficio MP C4501
Aficio MP C4501A SP
Aficio MP C5501
Aficio MP C5501A SP
Aficio MP C6501

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Aficio MP C7501
Aficio MP W2401
Aficio MP W3601
Aficio SP 4310N
Aficio SP 5200DN
Aficio SP 5200S/5210SF/5210SR
Aficio SP 5210DN
Aficio SP C320DN
Aficio SP C430DN
Aficio SP C431DN
Pro C651EX SP
Pro C751EX SP

V10.13.06 (rxopCVM10.13.06.zip):
Aficio MP 6002
Aficio MP 7502
Aficio MP 9002
Aficio MP C3002
Aficio MP C3502
Aficio MP C4502
Aficio MP C4502A SP
Aficio MP C5502
Aficio MP C5502A SP
Aficio MP CW2200

V10.14.02 (rxopCVM10.14.02.zip):
Aficio MP 2001 SP
Aficio MP 2501 SP
Aficio MP 301
Aficio MP 4002
Aficio MP 5002
Aficio MP C305
Aficio SP 8300DN
Aficio SP C830DN
Aficio SP C831DN

V11.15.01 (rxopCVM11.15.01.zip):
Aficio MP C6502SP
Aficio MP C8002SP
Aficio Pro 8100S
Aficio Pro 8110S
Aficio Pro 8120S
Aficio Pro C5100S
Aficio Pro C5110S

V11.16.00 (rxopCVM11.16.00.zip):
Aficio MP 2553
Aficio MP 3053
Aficio MP 3353

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	Aficio SP C730DN MP C3003/MP C3003Z MP C3503/MP C3503Z MP C4503/MP C4503Z MP C4503A/MP C4503AZ MP C5503/MP C5503Z MP C5503A/MP C5503AZ MP C6003/MP C6003 MP C6003/MP C6003Z SP 4500 SP 4510 SP 4510DN SP 4510SF/MP 401 SPF SP 4520DN
2.2.0.0	This package contains the latest RXOP versions of the Java VM, which are used by RICOH Streamline NX Administration Manager's JavaVM update function. Please see the standard Java VM release notes for a list of changes. V4.29.00 (rxopCVM4.29.00.zip): Aficio MP 2550/2550B/2851 Aficio MP 3350/3350B/3351 Aficio MP 4000/4000B/4001 Aficio MP 5000/5000B/5001 Aficio MP C2050 Aficio MP C2550 Aficio MP C2800 Aficio MP C3300 Aficio MP C4000 Aficio MP C5000 Aficio MP C6000 Aficio MP C7500 Aficio MP W5100 Aficio MP W7140 Aficio SP 8200DN Aficio SP C420DN Pro C900S Pro C900S/C720S Pro C901S V5.18.00 (rxopCVM5.18.00.zip): Aficio MP 6001 Aficio MP 7001 Aficio MP 8001 Aficio MP 9001 Aficio SP 4210N Aficio SP 6330N Aficio SP C820DN Aficio SP C821DN Pro 1107EXP Pro 1357EXP Pro 907EXP Ricoh Pro 1107

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Ricoh Pro 1107EX
Ricoh Pro 1357
Ricoh Pro 1357EX
Ricoh Pro 907
Ricoh Pro 907EX

V7.22.00 (rxopCVM7.22.00.zip):
Aficio MP 2352
Aficio MP 2852
Aficio MP 3352
Aficio MP C2051 SP
Aficio MP C2551 SP
Aficio MP C300
Aficio MP C3001
Aficio MP C3501
Aficio MP C400
Aficio MP C4501
Aficio MP C4501A SP
Aficio MP C5501
Aficio MP C5501A SP
Aficio MP C6501
Aficio MP C7501
Aficio MP W2401
Aficio MP W3601
Aficio SP 4310N
Aficio SP 5200DN
Aficio SP 5200S/5210SF/5210SR
Aficio SP 5210DN
Aficio SP C320DN
Aficio SP C430DN
Aficio SP C431DN
Pro C651EX SP
Pro C751EX SP

V10.13.06 (rxopCVM10.13.06.zip):
Aficio MP 6002
Aficio MP 7502
Aficio MP 9002
Aficio MP C3002
Aficio MP C3502
Aficio MP C4502
Aficio MP C4502A SP
Aficio MP C5502
Aficio MP C5502A SP
Aficio MP CW2200

V10.14.02 (rxopCVM10.14.02.zip):
Aficio MP 2001 SP
Aficio MP 2501 SP
Aficio MP 301
Aficio MP 4002
Aficio MP 5002
Aficio MP C305
Aficio SP 8300DN

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	Aficio SP C830DN Aficio SP C831DN V11.05.04 (rxopCVM11.05.04.zip): Aficio SP C730DN V11.15.00 (rxopCVM11.15.00.zip): Aficio MP C4503/C4503Z Aficio MP C4503A/C4503AZ Aficio MP C5503/C5503Z Aficio MP C5503A/C5503AZ Aficio MP C6003/C6003 Aficio MP C6003/C6003Z V11.15.01 (rxopCVM11.15.01.zip): Aficio MP C3003/C3003Z Aficio MP C3503/C3503Z Aficio MP C6502SP Aficio MP C8002SP Aficio Pro C5100S Aficio Pro C5110S
2.1.2.0	This package contains the latest RXOP versions of the Java VM, which are used by RICOH Streamline NX Administration Manager's Java VM update function. Please see the standard Java VM release notes for a list of changes. Important: Aficio MP 4002 and Aficio MP 5002 are now supported in v10.13.06. 10.12.02 is no longer needed. 10.13.06v1 has been changed to 10.13.06 and 10.12.02 has been removed.
	V4.28.00 (rxopCVM4.28.00.zip): Aficio MP 2550/2550B/2851 Aficio MP 3350/3350B/3351 Aficio MP 4000/4000B/4001 Aficio MP 5000/5000B/5001 Aficio MP C2050 Aficio MP C2550 Aficio MP C2800 Aficio MP C3300 Aficio MP C4000 Aficio MP C5000 Aficio MP C6000 Aficio MP C7500 Aficio MP W5100 Aficio MP W7140 Aficio SP 8200DN Aficio SP C420DN Pro C900S Pro C900S/C720S Pro C901S
	V5.17.00 (rxopCVM5.17.00.zip): Aficio MP 6001

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Aficio MP 7001
Aficio MP 8001
Aficio MP 9001
Aficio SP 4210N
Aficio SP 6330N
Aficio SP C820DN
Aficio SP C821DN
Pro 1107EXP
Pro 1357EXP
Pro 907EXP
Ricoh Pro 1107
Ricoh Pro 1107EX
Ricoh Pro 1357
Ricoh Pro 1357EX
Ricoh Pro 907
Ricoh Pro 907EX

V7.21.00 (rxopCVM7.21.00.zip):
Aficio MP 2352
Aficio MP 2852
Aficio MP 3352
Aficio MP C2051 SP
Aficio MP C2551 SP
Aficio MP C300
Aficio MP C3001
Aficio MP C3501
Aficio MP C400
Aficio MP C4501
Aficio MP C4501A SP
Aficio MP C5501
Aficio MP C5501A SP
Aficio MP C6501
Aficio MP C7501
Aficio MP W2401
Aficio MP W3601
Aficio SP 4310N
Aficio SP 5200DN
Aficio SP 5200S/5210SF/5210SR
Aficio SP 5210DN
Aficio SP C320DN
Aficio SP C430DN
Aficio SP C431DN
Pro C651EX SP
Pro C751EX SP

V10.13.06 (rxopCVM10.13.06.zip):
Aficio MP 2001 SP
Aficio MP 2501 SP
Aficio MP 301
Aficio MP 4002
Aficio MP 5002

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	Aficio MP 6002 Aficio MP 7502 Aficio MP 9002 Aficio MP C3002 Aficio MP C305 Aficio MP C3502 Aficio MP C4502 Aficio MP C4502A SP Aficio MP C5502 Aficio MP C5502A SP Aficio MP CW2200 Aficio SP 8300DN Aficio SP C830DN Aficio SP C831DN
	V11.02.04 (rxopCVM11.02.04.zip): Aficio SP C730DN
2.1.1.0	This package contains the latest RXOP versions of the Java VM, which are used by RICOH Streamline NX Administration Manager's JavaVM update function. Please see the standard Java VM release notes for a list of changes. Important: Aficio MP 4002 and Aficio MP 5002 can not use the device Java VM V10.13.06. When the device Java VM V10.12.02 included in the package is updated remotely, the device Java VM and installed SDK applications does not restart automatically. After the update, be sure to reboot the device by either of the following procedures: - Manually reboot the device by using the hardware switch. - Reboot the device with WIM (WIM -> Device Management -> Reset the Machine). - Distribute the "Device Template" to the devices to overwrite the SNMP community name with the current value. A device reboot is always performed if the SNMP community name is updated. NOTE: This problem affects only the device Java VM remote update process. The Java VM functionalities themselves do NOT have any problems. Thus, devices that already use Java VM v10.12 can be used as is without issue.
	V4.27.00 (rxopCVM4.27.00.zip): Aficio MP 2550/2550B/2851 Aficio MP 3350/3350B/3351 Aficio MP 4000/4000B/4001 Aficio MP 5000/5000B/5001 Aficio MP C2050 Aficio MP C2550 Aficio MP C2800 Aficio MP C3300 Aficio MP C4000 Aficio MP C5000 Aficio MP C6000 Aficio MP C7500

Aficio MP W5100
Aficio MP W7140
Aficio SP 8200DN
Aficio SP C420DN
Pro C900S
Pro C900S/C720S
Pro C901S

V5.17.00 (rxopCVM5.17.00.zip):
Aficio MP 6001
Aficio MP 7001
Aficio MP 8001
Aficio MP 9001
Aficio SP 4210N
Aficio SP 6330N
Aficio SP C820DN
Aficio SP C821DN
Pro 1107EXP
Pro 1357EXP
Pro 907EXP
Ricoh Pro 1107
Ricoh Pro 1107
Ricoh Pro 1107EX
Ricoh Pro 1357
Ricoh Pro 1357
Ricoh Pro 1357EX
Ricoh Pro 907
Ricoh Pro 907EX

V7.21.00 (rxopCVM7.21.00.zip):
Aficio MP 2352
Aficio MP 2852
Aficio MP 3352
Aficio MP C2051 SP
Aficio MP C2551 SP
Aficio MP C300
Aficio MP C3001
Aficio MP C3501
Aficio MP C400
Aficio MP C4501
Aficio MP C4501A SP
Aficio MP C5501
Aficio MP C5501A SP
Aficio MP C6501
Aficio MP C7501
Aficio MP W2401
Aficio MP W3601
Aficio SP 4310N
Aficio SP 5200DN
Aficio SP 5200S/5210SF/5210SR
Aficio SP 5210DN

	Aficio SP C320DN Aficio SP C430DN Aficio SP C431DN Pro C651EX SP Pro C751EX SP
	V10.12.02 (rxopCVM10.12.02.zip): Aficio MP 2001 SP Aficio MP 2501 SP Aficio MP 301 Aficio MP 4002 Aficio MP 5002 Aficio MP 6002 Aficio MP 7502 Aficio MP 9002 Aficio MP C3002 Aficio MP C305 Aficio MP C3502 Aficio MP C4502 Aficio MP C4502A SP Aficio MP C5502 Aficio MP C5502A SP Aficio SP 8300DN Aficio SP C830DN Aficio SP C831DN
	V10.13.06 (rxopCVM10.13.06.v1.zip): Aficio MP 2001 SP Aficio MP 2501 SP Aficio MP 301 Aficio MP 6002 Aficio MP 7502 Aficio MP 9002 Aficio MP C3002 Aficio MP C305 Aficio MP C3502 Aficio MP C4502 Aficio MP C4502A SP Aficio MP C5502 Aficio MP C5502A SP Aficio SP 8300DN Aficio SP C830DN Aficio SP C831DN
	V11.02.04 (rxopCVM11.02.04.zip): Aficio SP C730DN
2.1.0.0	This package contains the latest RXOP versions of the Java VM, which are used by RICOH Streamline NX Administration Manager's JavaVM update function. Please see the standard Java VM release notes for a list of changes.

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Important: When the device Java VM V10.11.02 included in the package is updated remotely, the device Java VM and an installed SDK application does not restart automatically. After the update, be sure to reboot the device by either of the following procedures:
- Manually reboot the device by using the hardware switch.
- Reboot the device with WIM (WIM -> Device Management -> Reset the Machine).
- Distribute the "Device Template" to the devices to overwrite the SNMP community name with the current value. A device reboot is always performed if the SNMP community name is updated.

NOTE: This problem affects only the device Java VM remote update process. The Java VM functionalities themselves do NOT have any problems. Thus, devices that already use Java VM v10.11 can be used as is without issue.

V4.27.00 (rxopCVM4.27.00.zip):
  Aficio MP 2550/2550B/2851
  Aficio MP 3350/3350B/3351
  Aficio MP 4000/4000B/4001
  Aficio MP 5000/5000B/5001
  Aficio MP C2050
  Aficio MP C2550
  Aficio MP C2800
  Aficio MP C3300
  Aficio MP C4000
  Aficio MP C5000
  Aficio MP C6000
  Aficio MP C7500
  Aficio MP W5100
  Aficio MP W7140
  Aficio SP 8200DN
  Aficio SP C420DN
  Pro C900S/C720S
  Pro C901S

V5.16.00 (rxopCVM5.16.00.zip):
  Aficio MP 6001
  Aficio MP 7001
  Aficio MP 8001
  Aficio MP 9001
  Aficio SP 4210N
  Aficio SP 6330N
  Aficio SP C820DN
  Aficio SP C821DN
  Pro 1107
  Pro 1357
  Pro 907

V7.20.00 (rxopCVM7.20.00.zip):
  Aficio MP 2352
  Aficio MP 2852
  Aficio MP 3352

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```
        Aficio MP C2051 SP
        Aficio MP C2551 SP
        Aficio MP C300
        Aficio MP C3001
        Aficio MP C3501
        Aficio MP C400
        Aficio MP C4501
        Aficio MP C4501A SP
        Aficio MP C5501
        Aficio MP C5501A SP
        Aficio MP C6501
        Aficio MP C7501
        Aficio MP W2401
        Aficio MP W3601
        Aficio SP 4310N
        Aficio SP 5200DN
        Aficio SP 5200S/5210SF/5210SR
        Aficio SP 5210DN
        Aficio SP C320DN
        Aficio SP C430DN
        Aficio SP C431DN
        Pro C651EX SP
        Pro C751EX SP

    V10.10.01 (rxopCVM10.10.01a.zip):
        Aficio MP 301
        Aficio MP 4002
        Aficio MP 5002
        Aficio MP 6002
        Aficio MP 7502
        Aficio MP 9002
        Aficio MP C3002
        Aficio MP C305
        Aficio MP C3502
        Aficio MP C4502
        Aficio MP C4502A SP
        Aficio MP C5502
        Aficio MP C5502A SP
        Aficio SP 8300DN
        Aficio SP C830DN
        Aficio SP C831DN

    V10.11.02 (rxopCVM10.11.02a.zip):
        Aficio MP 301
        Aficio MP 4002
        Aficio MP 5002
        Aficio MP 6002
        Aficio MP 7502
        Aficio MP 9002
        Aficio MP C3002
        Aficio MP C305
        Aficio MP C3502
```

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	Aficio MP C4502 Aficio MP C4502A SP Aficio MP C5502 Aficio MP C5502A SP Aficio SP 8300DN Aficio SP C830DN Aficio SP C831DN V11.01.07 (rxopCVM11.01.07.zip): Aficio SP C730DN
2.0.0.0	This package contains the latest RXOP versions of the Java VM, which are used by RICOH Streamline NX Administration Manager's JavaVM update function. Please see the standard Java VM release notes for a list of changes. V4.26.05 (rxopCVM4.26.05.zip): Aficio MP 2550/2550B/3350/3350B Aficio MP 2851/3351 Aficio MP 4000/4000B/5000/5000B Aficio MP 4001/5001/4001G/5001G Aficio MP C2050/C2550 Aficio MP C2800/C2800G/C3300/C3300G Aficio MP C4000/C4000G/C5000/C5000G Aficio MP C6000/C7500 Aficio MP W5100/W7140 Aficio SP 8200DN Aficio SP C420DN Pro C900S Pro C720S V5.15.05 (rxopCVM5.15.05.zip): Aficio MP 6001/6001 SP/7001/7001 SP/8001/8001 SP/9001/9001 SP Aficio SP 4210N Aficio SP 6330N Aficio SP C820DN/C821DN Pro 907EX/1107EX/1357EX V7.18.05 (rxopCVM7.18.05.zip): Aficio MP C2051/C2551 Aficio MP C300/C300SR/C400/C400SR Aficio MP C3001/C3001G/3501/3501G Aficio MP C4501 Aficio MP C4501A SP Aficio MP C5501 Aficio MP C5501A SP Aficio SP 5200DN Aficio SP 5200S/5210SF/5210SR V7.19.02 (rxopCVM7.19.02.zip): Aficio MP 2352/2852/3352 Aficio MP C6501SP/C7501SP Aficio MP W2401/W3601

Aficio SP 4310N
Aficio SP 5200DN/5210DN
Aficio SP C320DN
Aficio SP C430DN/C431DN
Pro C651 EX/Pro C751 EX

V10.06.02 (rxopCVM10.06.02.zip):
Aficio MP 301SP/301SPF
Aficio MP 4002/4002SP/5002/5002SP
Aficio MP C3002/C3002G/C3502/C3502G
Aficio MP C4502/C4502A SP/C5502
Aficio MP C305SP/C305SPF

V10.08.00 (rxopCVM10.08.00.zip):
Aficio MP 6002/7502/9002

RICOH

Reissued: 13-Mar-17

Model: **Streamline NX**	Date: 14-Nov-14	No.: RD639008f

RTB Reissue

The items in bold italics have been corrected or added.

Subject: Firmware Release Note: Update patch for ADM	Prepared by: K. Ogawa
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 (Patch)	☒ Tier 2

This RTB has been issued to announce the information for the new models.

Version	Program No.	Effective Date
1.0.5	*D6399911E*	*Mar. 2017 production*
1.0.3	D6399911C	Nov. 2014 production
1.0.2	D6399911B	Apr. 2014 production
1.0.1	D6399911A	Jan. 2014 production
1.0.1	D6399904A	July 2013 production
1.0.0	D6399904	July 2013 production

Version	Modified Points or Symptom Corrected

1.0.5	*Target ADM version:* *This includes the following patches.*
	
	 – *AdmPatch2_2_1_x_f_2.zip*
	 – *AdmPatch2_3_1_x_g._2zip*
	 – *AdmPatch2_4_1_x_f_2.zip*
	 – *AdmPatch2_5_1_x_f_2.zip*
	
	 Installation procedure:
	 1. Unzip the ADM patch to anywhere on the ADM server.
	 2. Run the "install.bat" file.
	     Please note that the ADM service will be automatically stopped when applying the patch.
	 3. Manually re-start the ADM service.
	
	 How to check if the patch has been applied correctly:
	 The following is an example of when using-AdmPatch2_2_1_x_f_2.zip.
	
	 1. The below file should be generated:
	     [ADM_INSTPATH]\logs\patch_2.2.1_f_[timestamp].log
	
	 2. A backup file should be generated:
	     [ADM_INSTPATH]\data\patch\backup\2.2.1f

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Version	Modified Points or Symptom Corrected
	3. *The displayed version on the ADM webpage will be-V2.2.1.0f.* *Important:* *In either of the following situations, please execute "restore.bat" beforehand.* *1.* *If another ADM patch has been applied to the server, please execute "restore.bat" by using the following procedure before applying the new patch.(Example:-If a customer currently uses v2.2.1.0e, you have to run "restore.bat" first, then run patch "f".) OR* *2.* *If an ADM patch has already been applied to the ADM server and an overwrite installation of a newer version of the standard ADM product will be installed to the server, please execute "restore.bat" by using the following procedure-before-conducting the overwrite installation of ADM.* *How to use "restore.bat":* *1.* *Unzip the ADM patch to anywhere on the ADM server.* *2.* *Run "restore.bat".* *Please note that the ADM service will be stopped automatically when running "restore.bat".* *3.* *Manually re-start the ADM service.* *The backup file will be deleted.* ✧ *Example: When you run "resotre.bat" with 2.2.1f-applied-ADM, the following file will be deleted.* ✧ *[ADM_INSTPATH]\data\patch\backup\2.2.1f* **If a backup file is not generated when installing the patch as described above, running "restore.bat" will fail.* **After running "restore.bat", ADM will revert back to the former version.* *Fixed:* *AdmPatch2_2_1_x_f_2.zip* – *Fails to configure function priority settings for CheetahG2.* – *Fails to update the firmware for CheetahG2.* – *Fails to execute policies for embedded application from ADM. (If this patch is applied, certification validation will be not conducted.)* *AdmPatch2_3_1_x_g._2zip* – *Fails to configure function priority settings for CheetahG2.* – *Fails to update the firmware for CheetahG2.* – *Vulnerability in the Apache Commons Collections library-deserialization-.* – *Fails to execute policies for embedded application from ADM. (If*

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Version	Modified Points or Symptom Corrected
	this patch is applied, certification validation will be not conducted.)

<div style="text-align:center"></div>

Version	Modified Points or Symptom Corrected
	AdmPatch2_4_1_x_f_2.zip – ***Fails to update the firmware for CheetahG2.*** – ***Fails to execute policies for embedded application from ADM. (If this patch is applied, certification validation will be not conducted.)*** ***AdmPatch2_5_1_x_f_2.zip*** – ***Fails to update the firmware for CheetahG2.*** – ***Fails to execute policies for embedded application from ADM. (If this patch is applied, certification validation will be not conducted.)***

Update Patch for ADM 1.0.3	Supported:
	- *After installing this patch and replace module, SLNX will support the following models.*
	
	This patch can be applied to the following PC application versions:
	
	     V2.2.0.0 ~v2.2.1.X
	     V2.2.0.0c ~v2.2.1.Xc
	     V2.2.0.0d ~v2.2.1.Xd
	
	After applying the patch, suffix "e" is added to the ADM version (e.g. v2.2.1.0e).
	
	Please apply the patch and replace the module by the procedure described in the "Installation.txt" and "readme.txt" file bundled with the object. After the patch was applied and the module was replaced, SLNX will support the following models:

Model Name	Product Name	Supported Standard SLNX version
Model OR-C2	MP 2553 /MP 3053/MP 3353	2.2.1
Model BR-C1	Pro 8100S/Pro 8110S/Pro 8120S	2.2.1
Model Z-C2	MP C401 / MP C401SR	2.3.0
Model CH-C1 Pro (GW+)	Pro C5100S/Pro C5110S	2.3.0
Model MET-C1xyz	MP C2003/C2503	2.3.0
Model Gim-MF1	MP 401/ SP 4510	2.3.0
Model Cor-C1	MP 2554/ MP 4054 MP 3054 /MP 5054 MP 3554 /MP 6054	2.3.0
Model Gim-P1	SP 4510DN/SP 4520DN	2.3.0
Model Da-P1	SP 6430DN	2.3.0

Important:
To use the newer models, please install the following versions of the ESA application (SDK application). This is because SLNX v2.2.1 installation

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	media includes SPM-E v2.2.0, which can be affected by compatibility problems with SPM-S v2.1.1/v2.1.2.
	
	For MFP:
	- AA Manager (AAM-E) v2.2.1.3
	- SP Manager (SPM-E) v2.2.1.0
	- SF Manager (SFM-E) v2.2.0.0
	
	For LP:
	- AA Manager (AAM-E) v2.2.1.0
	- SP Manager (SPM-E) v2.2.0.0
	
	These versions can be used for all devices which are supported.by Streamline NX.
	
	Important: Please reboot the device after the overwrite-installation of the MET-C1 (MP C2003/C2503) SDK application. After the overwrite-installation of the SDK application, SC997 can sometimes occur on device. Please be sure to reboot the device by either of the following procedures in order to recover from SC997:
	
	  - Manually reboot the device by using the hardware switch.
	  - Reboot the device with WIM (WIM -> Device Management -> Reset the Machine).
	  - SLNX can distribute the "Device Template" to the devices to force a reboot. Distribute the "Device Template" to the devices to overwrite the SNMP community name with the current value. A device reboot is always performed if the SNMP community name is updated.
	
	NOTE: After rebooting, the SDK application and device can be used normally without issue.

Update Patch for ADM 1.0.2	Supported:
	- After installing, SLNX will support the following models.
	- Print jobs cannot be printed when the "Device direct print" function is ON and the user name is longer than 20 bytes. This issue can be fixed by installing this patch and ESA application (SDK application). After installing them, it is possible to use user names up to 32 bytes in length.
	
	This patch can be applied to the following PC application versions:
	
	- RICOH Streamline NX Administration Manager NX v2.1.0.0 - v2.2.1.0
	
	- Versions with a previously released patch applied:
	  - RICOH Streamline NX Administration Manager v2.1.0.0a
	  - RICOH Streamline NX Administration Manager v2.1.0.0c
	  - RICOH Streamline NX Administration Manager v2.1.2.0c
	  - RICOH Streamline NX Administration Manager v2.2.1.0c

Model: **Streamline NX**	Date: 14-Nov-14	No.: RD639008f

Version	Modified Points or Symptom Corrected

After applying the patch, suffix "d" is added to the ADM version
(e.g. v2.1.0.0d).

Please apply the patch by the procedure described in the "Installation.txt" file
bundled with the object. After the patch is applied, SLNX will support the
following models:

Model Name	Product Name	Supported Standard SLNX version
Model K-C4	MP 2001/MP2501 (4.3-inch panel)	2.1.2
Model CH-C1	MP C6502/MP C8002	2.1.2
Model MET-C1ab	MP C3003/MP C3503	2.1.2
Model MET-C1cde	MP C4503/MP C5503/MP C6003	2.1.2
Model OR-C2	MP 2553 /MP 3053/MP 3353	2.2.1
Model BR-C1	Pro 800/Pro 8100/Pro 8120	2.2.1
Model MET-C1xyz	MP C2003/C2503	Nothing
Zeus-C2	MP C401 / MP C401SR	Nothing

Limitation: SLNX SPM v2.0.1 does not support SPM-S Direct Print with
models that are supported from SLNX v2.1.0 or later. Thus, SLNX v2.0.1
cannot support Ti-P1 with patch. To use Ti-P1, SLNX v2.1.0 or later is
required.

To use the newer models, please install the following versions of the ESA
application (SDK application):

For MFP:
- AA Manager (AAM-E) v2.2.1.3
- SP Manager (SPM-E) v2.2.1.0
- SF Manager (SFM-E) v2.2.0.0

These versions can be used for all devices which Streamline NX supports
up to and including the Zeus-C2 which is covered by this release.

Important: Be sure to use the SDK applications bundled in the patch's
D6399911B folder. This is because SLNX v2.2.1 installation media includes
SPM-E v2.2.0, which can be affected by compatibility problems with SPM-S
v2.1.1/v2.1.2.

Important: Please reboot the device after the overwrite-installation of the
MET-C1 (MP C2003/C2503) SDK application. After the overwrite-installation
of the SDK application, SC997 can sometimes occur on device. Please be
sure to reboot the device by either of the following procedures in order to
recover from SC997:

Model: **Streamline NX**	Date: 14-Nov-14	No.: RD639008f

Version	Modified Points or Symptom Corrected
	- Manually reboot the device by using the hardware switch. - Reboot the device with WIM (WIM -> Device Management -> Reset the Machine). - SLNX can distribute the "Device Template" to the devices to force a reboot. Distribute the "Device Template" to the devices to overwrite the SNMP community name with the current value. A device reboot is always performed if the SNMP community name is updated. For LP: This patch does not include support for new LP models. Thus, the original version's SDK applications can be used. NOTE: After rebooting, the SDK application and device can be used normally without issue.

Update Patch for ADM 1.0.1	Supported:
	- The models supported in SLNX v2.2.0 have been added.
	- After applying the patch, suffix "c" is added to the ADM version (v2.1.x.c, for example).
	
	This patch can be applied to the following PC application versions:
	    From
	- RICOH Streamline NX v2.0.1.0 Administration Manager
	    To
	- RICOH Streamline NX v2.2.1.x Administration Manager
	
	- Versions with a previously released patch applied (v2.0.1a and v2.1.x.a)
	
	Please apply the patch by following the procedure described in the "readme" file bundled with the object. After the patch is applied, SLNX will support the following models:
	
	<table><tr><th>Model Name</th><th>Product Name</th><th>Supported Standard SLNX version</th></tr><tr><td>Model K-C4</td><td>MP 2001/MP2501 (4.3-inch panel)</td><td>2.1.2</td></tr><tr><td>Model CH-C1</td><td>MP C6502/MP C8002</td><td>2.1.2</td></tr><tr><td>Model MET-C1ab</td><td>MP C3003/MP C3503</td><td>2.1.2</td></tr><tr><td>Model MET-C1cde</td><td>MP C4503/MP C5503/MP C6003</td><td>2.1.2</td></tr><tr><td>Model OR-C2</td><td>MP 2553 /MP 3053/MP 3353</td><td>2.2.0</td></tr><tr><td>Model BR-C1</td><td>Pro 800/Pro 8100/Pro 8120</td><td>2.2.0</td></tr><tr><td>Model MET-C1xyz</td><td>MP C2003/C2503</td><td>2.2.1</td></tr></table>
	Limitation: SLNX SPM v2.0.1 does not support SPM-S Direct Print with the above models. Thus, SLNX v2.0.1 cannot support Ti-P1 with patch. To use

Model: **Streamline NX**	Date: 14-Nov-14	No.: RD639008f

Version	Modified Points or Symptom Corrected

	Ti-P1, SLNX v2.1.0 or later is required.
	
	To use the newer models, please install the following versions of the ESA application (SDK application):
	
	For MFP:
	- AA Manager (AAM-E) v2.2.1
	- SP Manager (SPM-E) v2.2.1
	- SF Manager (SFM-E) v2.2.0
	Important: Be sure to use the SDK applications bundled in the D6399911A folder of the patch. This is because SLNX v2.2.1 installation media includes SPM-E v2.2.0, which can be affected by compatibility problems with SPM-S v2.1.1/v2.1.2.
	
	Important: Please reboot the device after the overwrite-installation of the SDK application of MET-C1 (MP C2003/C2503). After overwrite-installation of the SDK application, SC997 can sometimes occur on device. Please be sure to reboot the device by either of the following procedures in order to recover form SC997:
	
	  - Manually reboot the device by using the hardware switch.
	  - Reboot the device with WIM (WIM -> Device Management -> Reset the Machine).
	 - SLNX can distribute the "Device Template" to the devices to force a reboot. Distribute the "Device Template" to the devices to overwrite the SNMP community name with the current value. A device reboot is always performed if the SNMP community name is updated.
	
	NOTE: After rebooting, the SDK application and device can be used normally without issue.
	
	For LP:
	This patch does not include support for new LP models. Thus, the original version's SDK applications can be used.
	
	Note:
	Because "Program No." of this patch was changed from the previous patch, the patch version went back to V1.0.0. But because V1.0.0 was not released, this patch version became V1.0.1.

1.0.1	Supported: The patch can be applied to RICOH Streamline NX v2.0.1. This patch can be applied to following PC application version: - RICOH Streamline NX v2.1.0 Administration Manager - RICOH Streamline NX v2.0.1 Administration Manager Please apply the patch by following the procedure described in the "readme" file bundled with the object. After the patch is applied, SLNX will support the following models:

Model: **Streamline NX**	Date: 14-Nov-14	No.: RD639008f

Version	Modified Points or Symptom Corrected
	<table><tr><td>Model Name</td><td>Supported standard SLNX version</td></tr><tr><td>Model CH-C1</td><td>2.1.2</td></tr><tr><td>Model MET-C1</td><td>2.1.2</td></tr></table> To use the newer models, please install the following versions of the ESA application (SDK application): - AA Manager (AAM-E) v2.1.1 - SP Manager (SPM-E) v2.1.1 or v2.1.2 - SF Manager (SFM-E) v2.1.2 NOTE: SP Manager v2.1.2 has been released for RE region only. AA Manager v2.1.2 does not exist. SLNX v2.1.2 packages include latest ESA applications for each region. Important: Do not use SFM-E v2.1.1 for MET-C1/CH-C1 because there is a known issue which results device operation panel is not displayed properly.
1.0.0	Initial release. This patch can be applied to following PC application version: - RICOH Streamline NX v2.1.0 Administration Manager Please apply the patch by following the procedure described in the "readme" file bundled with the object. After the patch is applied, SLNX will support the following models: <table><tr><td>Model Name</td><td>Supported standard SLNX version</td></tr><tr><td>Model CH-C1</td><td>2.1.2</td></tr><tr><td>Model MET-C1</td><td>2.1.2</td></tr></table> To use the newer models, please install the following versions of the ESA application (SDK application): - AA Manager (AAM-E) v2.1.1 - SP Manager (SPM-E) v2.1.1 or v2.1.2 - SF Manager (SFM-E) v2.1.2 NOTE: SP Manager v2.1.2 has been released for RE region only. AA Manager v2.1.2 do not exist. SLNX v2.1.2 packages include latest ESA applications for each region. Important: Do not use SFM-E v2.1.1 for MET-C1/CH-C1 because there is a known issue which results device operation panel is not displayed properly.

Model: **Streamline NX**	Date: 28-Nov-13	No.: RD639010h

RTB Reissue
The items in **_bold italics_** have been corrected or added.

Subject: Firmware Release Note: RICOH Streamline NX Client Tool for RE/RA	Prepared by: K. Ogawa
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
RICOH Streamline NX Client Tool for RE/RA.

Version	Program No.	Effective Date	Availability of RFU
_1.4.1.0_	**_D6399909K_**	**_November 2016 production_**	**_Not available_**
1.3.2.0	D6399909J	April 2016 production	Not available
1.3.0.0	D6399909H	February 2016 production	Not available
1.2.2.0	D6399909G	December 2015 production	Not available
1.2.1.0	D6399909F	September 2015 production	Not available
1.2.0.0	D6399909E	July 2015 production	Not available
1.0.2.0	D6399909B	August 2014 production	Not available
1.0.1.0	D6399909A	March 2014 production	Not available
1.0.0.0	D6399909	November 2013 production	Not available

Note: Definition of Availability of RFU via @Remote
"Available": The firmware can be updated via RFU or SD card.
"Not available": The firmware can only be updated via SD card.

Version	Modified Points or Symptom Corrected
	Supported:
	- **_Client Secure Print supports PS Driver for Universal Print._**
	- **_Support for selecting the maximum number of Secondary servers._**
	- **_Auto Delete Stored Jobs function has been improved._**
	- **_When the Client Tool finds wording surrounded %-% in the Server Name or Base DN, the Client Tool corresponded environmental variable will be used for the Server Name or Base DN._**
	- **_Disable the failover function when connecting to an alternative server to get the preference settings._**
	- **_Changed the management of the Keystore password to increase security._**
	- **_Client Secure Print Support for the same named user in multiple domain environments._**
	Fixed:
	- **_Fails to spool print jobs that have empty job names._**
	- **_Many desktop Agent icons are displayed in the task tray._**
	Application versions included in this release:

Model: **Streamline NX**	Date: 28-Nov-13	No.: RD639010h

	RICOH Streamline NX Client Tool V1.4.1.0 *RICOH Streamline NX Client Secure Print V1.4.1.0* *RICOH Streamline NX Client Delegation Print V1.3.0.0* *RICOH Streamline NX Client Accounting V1.3.0.0*
1.3.2.0	Supported: – The domain name for the client PC can be specified in a properties file. Fixed: – If a user prints a job from the application after it is started with "Run as administrator", storing print jobs on the client PC will fail. Other: – If the client tool fails to start properly, the print spooler will be restarted automatically (the retry limit is 15 times). When the retry limit is reached, an error message ("RICOH Streamline NX Client Tool could not be started correctly. Please restart your computer.") will be displayed. Application versions included in this release: RICOH Streamline NX Client Tool V1.3.2.0 RICOH Streamline NX Client Secure Print V1.3.2.0 RICOH Streamline NX Client Delegation Print V1.3.0.0 RICOH Streamline NX Client Accounting V1.3.0.0
1.3.0.0	Supported: – Client Secure Print "Confirmation of communication validity" function is added.
1.2.2.0	Fixed: – If the Desktop Agent UX task tray icon is clicked several times, there is possibility that Desktop Agent UX will stop. – If a PC has multiple network adapters (including virtual network adapters), when using "Store in Client PC (Do not use SPM Server)" or "Store in Client PC (Use SPM Server)", "Print Error xx job(s) The following servers are unavailable. Please try again later." error message may appear when selecting a print job on the device operation panel.

1.2.1.0	Other:
	- Print jobs stored on Client PCs are made more secure via the following security enhancements:
	  1. Encryption scheme
	  2. Files names that are hard to guess
	- Document names can be masked when E2EE is used.
	- The "Everyone" access privilege has been removed from the program installation folders.

1.2.0.0	Supported: 1. Store in Client PC (Do not use SPM Server) is supported. 2. Store in SPM Server is supported. Other: 1. Rule Base Print is not supported. 2. Roaming Print is supported. 3. When using Client Secure Print via the standard TCP/IP port or USB, logs will be registered to AAM-S.

Model: **Streamline NX**		Date: 28-Nov-13	No.: RD639010h

	4. When using the following functions, the PKI module is required. - Kerberos authentication (Store in Client PC (Do not use SPM Server)) - Print data encryption (Store in Client PC (Do not use SPM Server)/Store in SPM Server) - End to End Encryption (Store in SPM Server)
1.0.2.0	Fixed: If using the SLNX Client Tool's "Schedule Processing Settings (Job Storage period [day(s)])" function after the SLNX Client Tool has been restarted, the "Schedule Processing Settings (Job Storage period [day(s)])" function will not be executed correctly.
1.0.1.0	Supported: - Windows 8.1 is supported. Fixed: 1. Ricoh Streamline NX Client Tool batch installer fails if the installation destination folder is changed from the default path (Install folder and Data folder). 2. After applying an export file via remote settings, a warning mark is displayed in the user name field of the management menu window and a user name cannot be input. This occurs when an export file is exported with an empty value in the user name field of the management menu window and "Force Value" is selected in administrator mode. 3. Messages do not fit in the window when the OS font size is changed. 4. Settings are not applied when a custom installer is executed after changing the "Data folder" of the install destination from the default path.
1.0.0.0	Initial Release RICOH Streamline NX Client Tool is for StreamlineNX v2.2.0.0. Previous versions do not support it.

Reissued: 10-May-16

Model: **Streamline NX**	Date: 28-Nov-13	No.: RD639011g

RTB Reissue

The items in bold italics have been corrected or added.

Subject: Firmware Release Note: RICOH Streamline NX Client Tool for RAC	Prepared by: K. Ogawa
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 **RICOH Streamline NX Client Tool for RAC.**

Version	Program No.	Effective Date	Availability of RFU
1.3.2.0	*D6399908J*	*April 2016 production*	*Not available*
1.3.0.0	D6399908H	February 2016 production	Not available
1.2.2.0	D6399908G	December 2015 production	Not available
1.2.1.0	D6399908F	September 2015 production	Not available
1.2.0.0	D6399908E	July 2015 production	Not available
1.0.2.0	D6399908B	August 2014 production	Not available
1.0.1.0	D6399908A	March 2014 production	Not available
1.0.0.0	D6399908	November 2013 production	Not available

Note: Definition of Availability of RFU via @Remote

"Available": The firmware can be updated via RFU or SD card.

"Not available": The firmware can only be updated via SD card.

Version	Modified Points or Symptom Corrected
1.3.2.0	*Supported:* - *The domain name for the client PC can be specified in a properties file.* *Fixed:* - *If a user prints a job from the application after it is started with "Run as administrator", storing print jobs on the client PC will fail.* *Other:* - *If the client tool fails to start properly, the print spooler will be restarted automatically (the retry limit is 15 times). When the retry limit is reached, an error message ("RICOH Streamline NX Client Tool could not be started correctly. Please restart your computer.") will be displayed.* *Application versions included in this release:* *RICOH Streamline NX Client Tool V1.3.2.0* *RICOH Streamline NX Client Secure Print V1.3.2.0* *RICOH Streamline NX Client Delegation Print V1.3.0.0* *RICOH Streamline NX Client Accounting V1.3.0.0*

Model: **Streamline NX**	Date: 28-Nov-13	No.: RD639011g

1.3.0.0	Supported: - Client Secure Print 　　"Confirmation of communication validity" function is added.
1.2.2.0	Fixed: - If the Desktop Agent UX task tray icon is clicked several times, there is possibility that Desktop Agent UX will stop. - If a PC has multiple network adapters (including virtual network adapters), when using "Store in Client PC (Do not use SPM Server)" or "Store in Client PC (Use SPM Server)", "Print Error xx job(s) The following servers are unavailable. Please try again later." error message may appear when selecting a print job on the device operation panel.
1.2.1.0	Other: - Print jobs stored on Client PCs are made more secure via the following security enhancements: 　1. Encryption scheme 　2. Files names that are hard to guess - Document names can be masked when E2EE is used. - The "Everyone" access privilege has been removed from the program installation folders.
1.2.0.0	Supported: 1. Store in Client PC (Do not use SPM Server) is supported. 2. Store in SPM Server is supported. Other: 1. Rule Base Print is not supported. 2. Roaming Print is supported. 3. When using Client Secure Print via the standard TCP/IP port or USB, logs will be registered to AAM-S. 4. When using the following functions, the PKI module is required. - Kerberos authentication (Store in Client PC (Do not use SPM Server)) - Print data encryption (Store in Client PC (Do not use SPM Server)/Store in SPM Server) - End to End Encryption (Store in SPM Server)
1.0.2.0	Fixed: If using the SLNX Client Tool's "Schedule Processing Settings (Job Storage period [day(s)])" function after the SLNX Client Tool has been restarted, the "Schedule Processing Settings (Job Storage period [day(s)])" function will not be executed correctly.
1.0.1.0	Supported: - Windows 8.1 is supported. Fixed: 1. Ricoh Streamline NX Client Tool batch installer fails if the installation destination folder is changed from the default path (Install folder and Data folder). 2. After applying an export file via remote settings, a warning mark is displayed in the user name field of the management menu window and a user name cannot be input. This occurs when an export file is exported with an empty value in the user name field of the management menu window and "Force Value" is selected

Technical **B**ulletin

Reissued: 10-May-16

Model: **Streamline NX**	Date: 28-Nov-13	No.: RD639011g

	in administrator mode. 3. Messages do not fit in the window when the OS font size is changed. 4. Settings are not applied when a custom installer is executed after changing the "Data folder" of the install destination from the default path.
1.0.0.0	Initial Release RICOH Streamline NX Client Tool is for StreamlineNX v2.2.0.0. Previous versions do not support it.

RICOH

Reissued: 12-Mar-15

Model: Streamline NX	Date: 2-Mar-15	No.: RD639013a

RTB reissue
The items in *red itallics* were changed.

Subject: GlobalScan NX V2.x/Streamline NX V2.x Setup guide for Product Modification Request	Prepared by: Seizoh Uchiyama
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 ( )	☐ Tier 2

GlobalScan NX V1.x / V2.x

Streamline NX V1.x / V2.x

Setup guide for Product Modification Request

<div style="border:3px solid red">

Important

Please obtain the correct patch before this setup is performed.

</div>

Mar, 2015
Solution Support Department
Service & Support Center
Business Solutions Group
Ricoh Company LTD

Reissued: 12-Mar-15

Model: Streamline NX	Date: 2-Mar-15	No.: RD639013a

Operation flow for "Product Modification Request"

Operation Flow

Check

O   Check the customer environment ··························P.5

P C

1   GlobalScanNX／StreamlineNX PC application fix operation ·····P.8

Reissued: 12-Mar-15

Model: Streamline NX	Date: 2-Mar-15	No.: RD639013a

Bug information

Problem:

After a user logs in to an MFP and operates "Send to Me" or "Send to Home Folder" and logs out, if another user logs in to the MFP and operates "Send to Me" or "Send to Home Folder" two or more times, the second user's job(s) will be delivered to the first user via email.

Occurrence conditions:

This problem may occur if all of the following conditions are met.

Target versions

> GlobalScan NX Server Edition (Serverless Edition is NOT affected.)

Version 1 -> v1.2 or later

Version 2 -> All versions

> Streamline NX

Version 1 -> All versions

Version 2 -> All versions

Target settings

Workflows that contain "Send to Me" or "Send to Home Folder".

> Send to Me

> Send to Home Folder

Note:

Wrong jobs will only be delivered to a user who uses the same device as the correct user.

Target conditions

  - The first user operates "Send to Me" or "Send to Home Folder" and communication between GSNX/SFM-S and the GSNX SDK application/SFM-E suddenly fails for some reason.

  - The second user logs in to the same MFP and operates "Send to Me" or "Send to Home Folder" two or more times within five minutes of the first user operating "Send to Me" or "Send to Home Folder".

Cause:

GSNX / SLNX bug.

Permanent fix:

GlobalScan NX Server Edition v2.3.2 (Released in February 2015.)

Streamline NX v2.4.0 (Planned for release in March 2015.)

RICOH

Technical **B**ulletin

Reissued: 12-Mar-15

Model: Streamline NX	Date: 2-Mar-15	No.: RD639013a

0. Check the customer environment

0-1 Check the PC application version

Check the GlobalScanNX/StreamlineNX PC application version. For details, please see below.

The Product Modification Request targets are as follows:

GlobalScan NX Server Edition from v1.2.0.0 to v2.3.1.0

Streamline NX from v1.0.0.0 to v2.3.1.0

Important:

The bug fix program prepared by RCL covers the following versions. We assume that the tool will cover most user environments. If you require the bug fix program for a different version, please update the customer software. If the customer does not allow updating the software, please contact us via the PMR DB.

- GlobalScan NX Server Edition from v1.5.0.0 to v2.3.1.0 (Between v1.2.0.0 - v1.4.X.X is not covered.)
- Streamline NX from v1.2.0.0 to v2.3.1.0 (Between v1.0.0.0 - v1.1.X.X is not covered.)

Note:

Regarding GlobalScan NX Server Edition, this problem does not occur in v2.3.2.0 for later.

Regarding Streamline NX, this problem does not occur in v2.4.0.0 for later.

The fix operation target is the PC application only. Devices and software are not targeted.

How to check versions in AdminTool:

Check the version on the AdminTool login screen.

GlobalScanNX:

StreamlineNX:

RICOH

Reissued: 12-Mar-15

Model: Streamline NX	Date: 2-Mar-15	No.: RD639013a

0-2 Check the GSNX Edition

When using GlobalScanNX, please check if it is the Server Edition. For details, please see below.

Important:

Product Modification Request target is GSNX Server Edition. This problem does not occur when using GSNX Serverless Edition.

How to check the edition:

If "Running" is displayed, the PC application is server edition.

If "Running" is not displayed, the PC application is serverless edition.

Model: Streamline NX	Date: 2-Mar-15	No.: RD639013a

1. GlobalScanNX/StreamlineNX PC application fix operation

1-1 Collect the system backup

Collect the system backup in the GlobalScanNX/StreamlineNX (Scan and Fax Manager) AdminTool**:**

1. Open GlobalScanNX/StreamlineNX AdminTool and open [Maintenance Settings] -> [Maintenance] and select the slot delivery service.

2. Select the slot and click the "Backup" button.

3. Enter a "Comment" and click the "OK" button.

Example comment: "Product Modification Request".

Technical **B**ulletin

Reissued: 12-Mar-15

Model: Streamline NX	Date: 2-Mar-15	No.: RD639013a

4. Check that additional backup data is displayed in a slot, as below.

5. Collect the backup. Select the backup data and click the "Download" button.

6. If the customer needs a password to protect the backup, please enter the password and click the "OK" button. If the customer does not need a password to protect the backup, please the "OK" button.

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Model: Streamline NX	Date: 2-Mar-15	No.: RD639013a

7. Save the backup file.

8. Check the following screen and backup file.

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Technical **B**ulletin

Reissued: 12-Mar-15

Model: Streamline NX	Date: 2-Mar-15	No.: RD639013a

Apply the bug fix program to the GlobalScan NX or Streamline NX PC application/AdminTool

Please perform the following setup procedure at the customer sites decided by the regional support members. Regarding the problem's occurrence conditions, refer to page 4.

Preparation:

Obtain the bug fix program.

File name: ScanToMePatch.zip

Important:

The bug fix program prepared by RCL covers the following versions. We assume that the tool will cover most user environments. If you require the bug fix program for a different version, please update the customer software. If the customer does not allow updating the software, please contact us via the PMR DB.

- GlobalScan NX Server Edition from v1.5.0.0 to v2.3.1.0 (Between v1.2.0.0 - v1.4.X.X is not covered.)
- Streamline NX from v1.2.0.0 to v2.3.1.0 (Between v1.0.0.0 - v1.1.X.X is not covered.)

Regarding the target versions, please refer to "Bug information" section.

RICOH

Model: Streamline NX	Date: 2-Mar-15	No.: RD639013a

Apply the patch to GlobalScan NX or Streamline NX server application/AdminTool:

1. Please confirm that the server has Globalscan NX or Streamline NX installed.

2. Open the GlobalScan NX AdminTool or Scan and Fax Manager and open [Maintenance Settings] -> [System Control] -> [Switch Delivery Service Status], and stop the delivery service.

3. Open the service list on Windows OS and stop "GlobalScan Service" or "Streamline NX Scan and Fax Manager".

GlobalScan NX:

Streamline NX:

Model: Streamline NX	Date: 2-Mar-15	No.: RD639013a

4.   If "Internet Information Services (IIS)" is used for the web server, launch Internet Service Manager and stop IIS.

IIS 7.5/8.0:

4-1. Right-click on [computer name (local computer)].

4-2. Select [Stop].

Note: This procedure is unnecessary if [Built-in Web Server] is being used as the web server.

5.   Copy "ScanToMePatch.zip" to the customer server.

6.   Extract "ScanToMePatch.zip" and double click "setup.exe" in the "ScanToMePatch.zip" folder.

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7. Select the language for the install instructions and click the "OK" button.

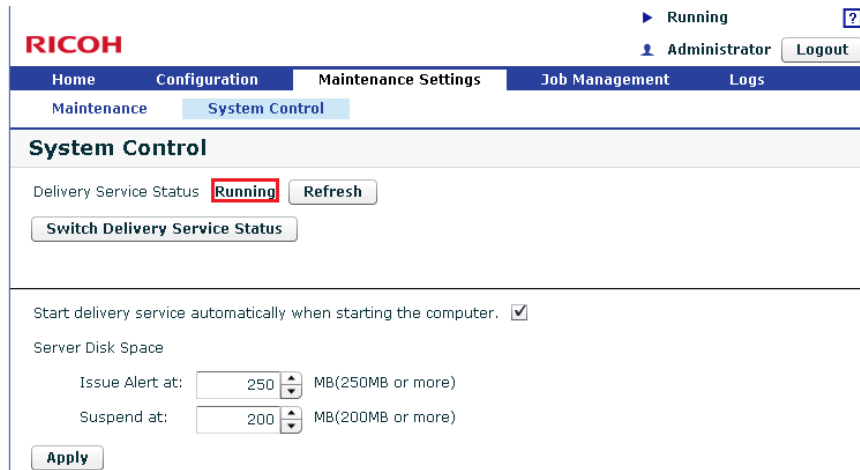8. Click the "Next" button.

9. Click the "Finish" button.

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10. Log in to the GlobalScan NX AdminTool or StreamlineNX (Scan and Fax Manager) and start the delivery service as "Running. If delivery Service Status is "Suspended", click the "Switch Delivery Service Status".

> Note: This user must have admin authority.

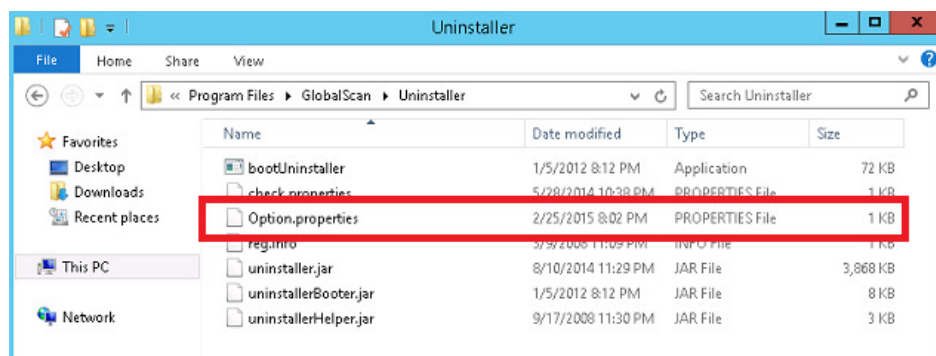11. Confirm if the "Option.properties" file includes the following text:
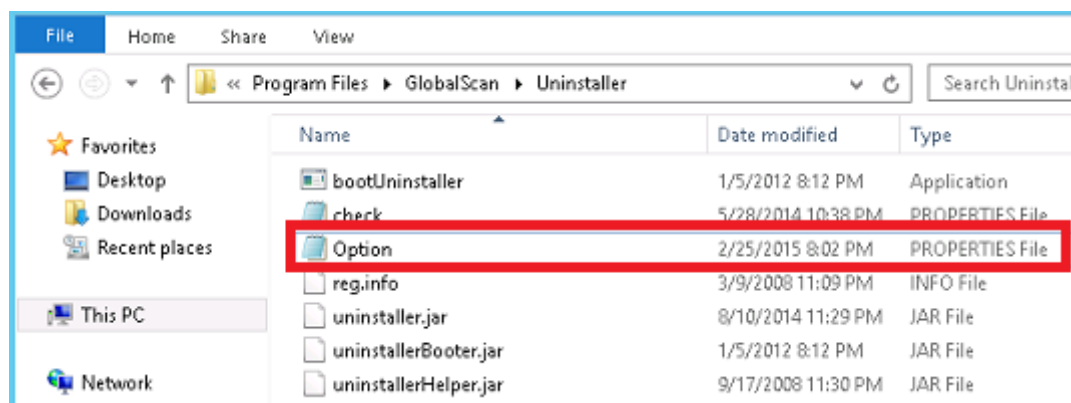
"Scan¥ To¥ Me¥ Patch=1.0.0.0"

	Folder Path	Example
GlobalScan NX	Installation path¥Ricoh¥GlobalScan¥Uninstaller¥Option.properties	C:¥ProgramFiles¥Ricoh¥GlobalScan¥Uninstaller¥Option.properties
Streamline NX	Installation path¥Streamline NX¥SFM¥Uninstaller¥Option.properties	C:¥ProgramFiles¥StreamlineNX¥SFM¥Uninstaller¥Option.properties

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Note: If "Hide file extensions for known file types" is set in the operating system, please confirm the "Option" file:

Note: Even if a patch is applied, there will be no revision changes.

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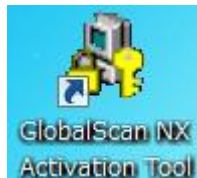| Model: Streamline NX	Date: 2-Mar-15	No.: RD639013a

Please check the "Lock Code" and "Work date".

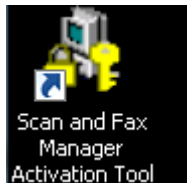Note: The following information is required for reimbursement.

- Work date (date the bug fix program was installed).

- Application name (GSNX or SLNX)

- Lock Code for the server where the GSNX or SFM PC application is installed.

*Reimbursement will not be accepted if the above information is missing.

1. Double click the "GlobalScanNX Activation Tool" or "Scan and Fax Manager Activation Tool".
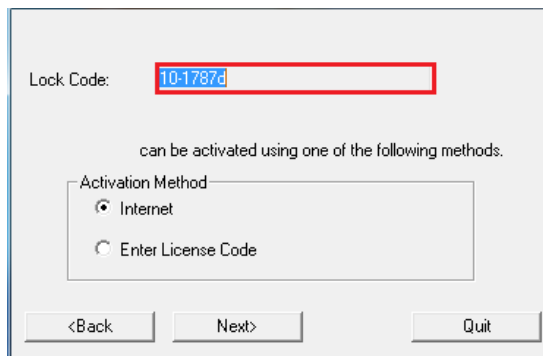
    GlobalScanNX:

    StleamlineNX:

2. Check the "Lock Code"

Note: Please fill in the information, such as below.

For example:

Application	Lock Code	Work date
GlobalScanNX	10-1787d	Mar. 15, 2015

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Model: Streamline NX	Date: 2-Mar-15	No.: RD639013a

How to recover

Restore to the previous version

If customer have request that want to restore to the previous version, please performed the following steps.

1 Perform an overwrite installation using the version of GlobalScanNX/Scan and Fax Manager used by the customer before the fix program was applied.

2 Delete the "Option.properties" file in the following GlobalScanNX or Streamline NX path.

	Folder Path	For example
GlobalScan NX	Installation path¥GlobalScan¥Uninstaller	C:¥ProgramFiles¥GlobalScan¥Uninstaller
Streamline NX	Installation path¥Streamline NX¥SFM¥Uninstaller	C:¥ProgramFiles¥StreamlineNX¥SFM¥Uninstaller

Model: Streamline NX v2	Date: 3-Apr-15	No.: RD639014

Subject: SC990 occurs after firmware update via @Remote	Prepared by: M. Kumagai
From: 1st Tech Service Sect., MFP/P Tech Service Dept.	

Classification:	☒ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier 2

SYMPTOM

SC990 occurs under the following conditions:
- RFU is performed via @Remote or FTP while the machine is in Sleep mode.
- Streamline NX is installed on the machine.
- The firmware being updated is relatively small (for example, PCL firmware).
   Note: It has been confirmed that the symptom does not occur when updating large firmware such as the System/Copy, Engine, or OpePanel firmware.

CAUSE

Due to a Java VM bug, Java VM will not start up correctly if the device is rebooted while an SDK application is starting up. As a result, when RFU is performed, Streamline NX has not finished starting up when the machine reboots itself following the firmware update.

Note:
- The time that Streamline NX requires to boot up is much longer than that of other SDK applications.
- WIM, Remote Communication Gate S Pro (UZ-S), and Device Manager NX Pro/Enterprise (Birdie-S/E), Streamline NX use different processes for RFU, which is why the symptom does not occur when performing the RFU using these methods.

SOLUTION

If the symptom occurs:
- Update the **Java** firmware to the versions mentioned in the "Fixed F/W release" below or newer.
- Until then, do the following procedure:

   Models that store the Java F/W in an SD card:
   1. Shut down the machine.
   2. Move the Java SD card to another slot and boot up the machine.
   3. Wait until the machine is completely booted and then shut down the machine.
   4. Move the Java card to the original slot and reboot the machine.

   Models that store the Java F/W in the Flash Memory on the Controller board:
   1. Shut down the machine.
   2. Disconnect the HDD and boot up the machine.
   3. Wait until the machine is completely booted up, and then shut down the machine.
   4. Connect the HDD to and boot up the machine.

Fixed F/W release:

Ctrl. Generation	Model	Java F/W	CVM Package
12A	Orval-C2	V11.23	2.3.0.0_(2)
12S	Stella-C5	V10.18	2.3.0.0_(2)
12S	Griffin-C1	V10.18	2.3.0.0_(2)
12A	Charis-C1	V11.23	2.3.0.0_(2)
12A	Kir-C4	V10.18	2.3.0.0_(2)
11A	Alex-C2	V10.19	2.3.0.0_(2)
11A	Apollon-C3	V10.20	2.4.0.0
11A	Athena-C3	V10.20	2.4.0.0
11A	Martini-C5	V10.19	2.3.0.0_(2)
12A	Titan-P1	V11.26	2.4.0.0
12 S	Alex-P2	V10.18	2.3.0.0_(2)
12 S	Apollon-P3	V10.18	2.3.0.0_(2)
07A	Alex-C1	V4.30	2.4.0.0
07A	Alex-C1.5	V4.30	2.4.0.0
08S	Apollon-C2	V4.30	2.4.0.0
08S	Athena-C2	V4.30	2.4.0.0
09A	Zeus-C1	V7.23	2.4.0.0
09A	Apollon-C2.5	V7.23	2.4.0.0
09A	Athena-C2.5	V7.23	2.4.0.0
08S	Diana-C1	V4.30	2.4.0.0
08S	Diana-C1.5	V7.23	2.4.0.0
08A	Martini-C4	V5.19	2.4.0.0
11S	Orval-C1	V7.23	2.4.0.0
07A	Russian-C5	V4.30	2.4.0.0
07A	Russian-C5.5	V4.30	2.4.0.0
09A	Shinka-P1	V7.23	2.4.0.0
09A	Venus-C3	V7.23	2.4.0.0
09A	Zeus-P1	V7.23	2.4.0.0
07A	Alex-P1	V4.30	2.4.0.0
08S	Apollon-P2	V5.19	2.4.0.0
07A	Venus-C2	V4.30	2.4.0.0