

Reissued:05-Aug-10

Model: GlobalScan NX	Date: 27-Nov-08	No.: RD420006a
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RTB reissue:

- Table listing target MFP models and supported VM versions.
- Remote Updating Procedure was corrected.

Subject: GlobalScan NX (L) Lapnet edition Installation Guide		Prepared by: T.Nihei	
From: 1st Overseas Tech Support Sec., 1st PQM Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Other ()	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the GlobalScan NX (L) version 1.4 (Lapnet edition) Installation Guide release information.

GlobalScan NX (L) Lapnet edition is a copy-protected VM card containing a pre-installed copy of the GlobalScan NX SDK application. When the VM card is inserted into a MFP, Java VM and the GlobalScan NX (L) SDK application will be installed and started-up automatically.

**GlobalScan NX
Installation /Update Guide
(Lapnet Edition)**

Target MFP models and supported VM versions.

For each MFP model, make sure to install the following or newer version.

Model Name	VM Ver.
B222/B224	V2.15
B230/B237	V2.15
B246/B248/B249	V2.15
D052/D053/D054	V2.15
D009/D012	V4.20
D011/D013	V4.20
D014/D015	V4.20
D017/D019	V4.20
D018/D020	V4.20
D046/D049 (see [NOTE])	V4.22
D084/D085	V4.20
D091/D092	V4.20
D023/D025	V4.20
D027/D029	V4.20
D037/D038/D040/D041	V4.20
D062/D063/D065/D066	V5.09.04
D067/D068/D069/D072	V6.04
D081/D082	V7.03.09

[NOTE]

To use GSNX V1.4 SDK application with BE-C1 (D046/D049), the following versions of system firmware and a VM card are required.

System firmware:

V3.00.1 or later

Printer Firmware (necessary when using the Printer Option):

V3.01 or later

VM Card: V4.22 or later

NOTE:

RCL will prepare a special VM card including a NTL Filter (V2.2.7 or later) for BE-C1 (D046/D049).

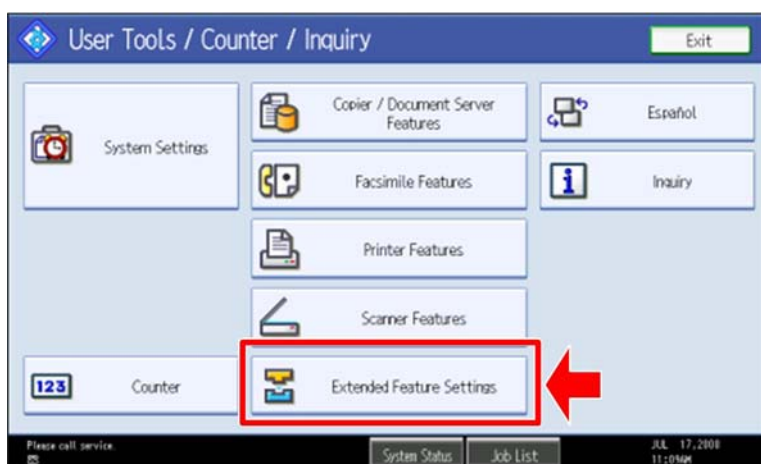
Installation

Confirmation Points before Installation

- Make sure that the system firmware of the target machine is the latest version.
- Make sure that the firmware of the VM card is the latest version
- **GlobalScan NX requires that the device's Auto Off Timer be set to 5 minutes or longer. This is because the device might not work correctly if it enters Sleep Mode before the VM, GlobalScan NX applications finish starting up.**
- To use GlobalScan NX with the following models, please have the customer purchase memory modules to expand the available system (MFP) memory:
- AL-C1(D009/D011/D012/D013), R-C5(D017/D018/D019/D020) (monochrome scanner models): Needs to be expanded to 768MB (max.).
- DI-C1(D037/D038/D040/D041): Needs to be expanded to 1024MB (max.).
- For AL-C1(D009/D011/D012/D013) and R-C5(D017/D018/D019/D020), the IPDS option and Global Scan NX (Java VM) cannot be used at the same time.

Installation of GlobalScan NX (L)

1. Turn off the target machine.
2. Install the VM card in the service slot of the target machine.
3. Turn on the target machine.
4. Turn off the Auto Off Timer.
5. Ask a machine administrator to login to the target machine with the login name and password of the machine's administrator.

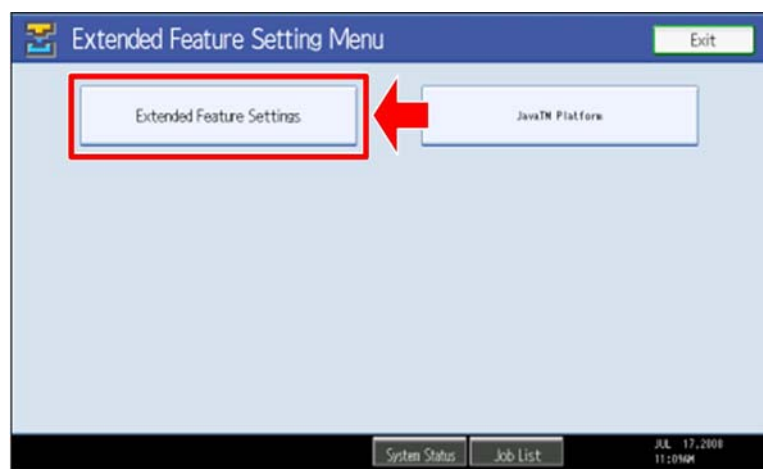


gl_i104

6. Enter the "User Tools", and then press "Extended Feature Settings" on the LCD.

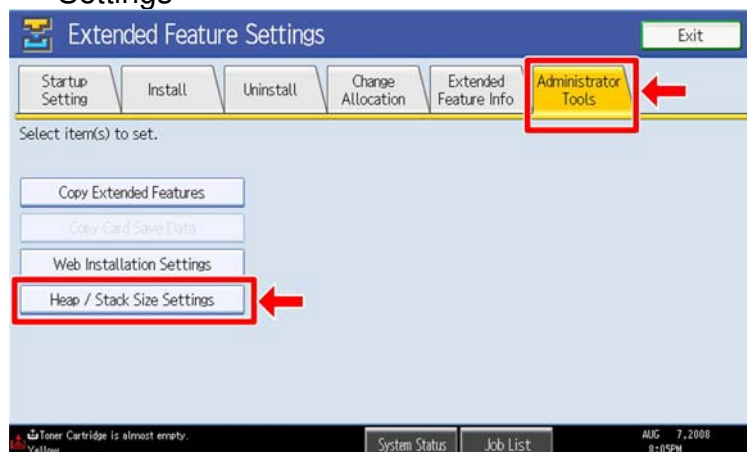
↓ Note

- For 4-line LCD models, use Web Image Monitor to perform Step 5-10.



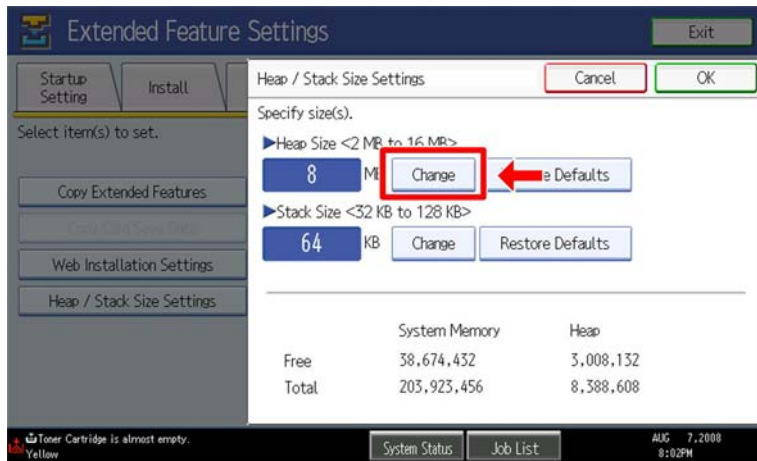
gl_i105

7. Press "Extended Feature Settings" on the LCD.
8. Allocate the Function key (on the operation panel) for the Java VM applications if the customer wants to use a key other than "Other Functions" (default).
9. Enter the "Extended Features Settings".
- "User Tools/Counter" > "Extended Features Settings" > "Extended Features Settings"



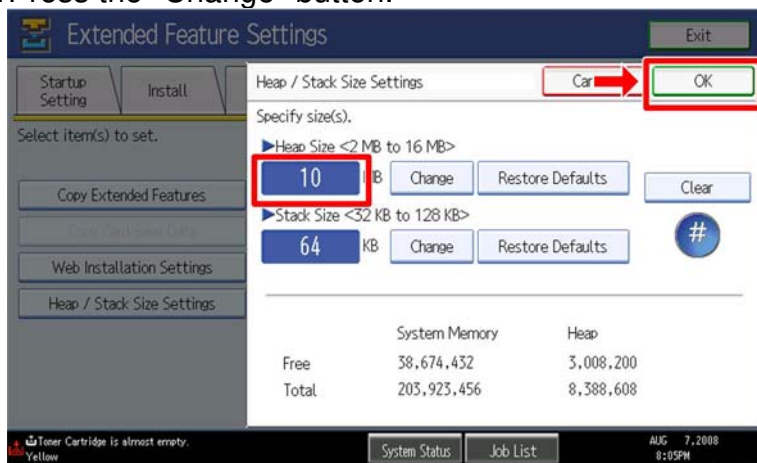
gl_i116

10. Press the "Administrator Tools" tab, and then press the "Heap/ Stack Size Settings" button.



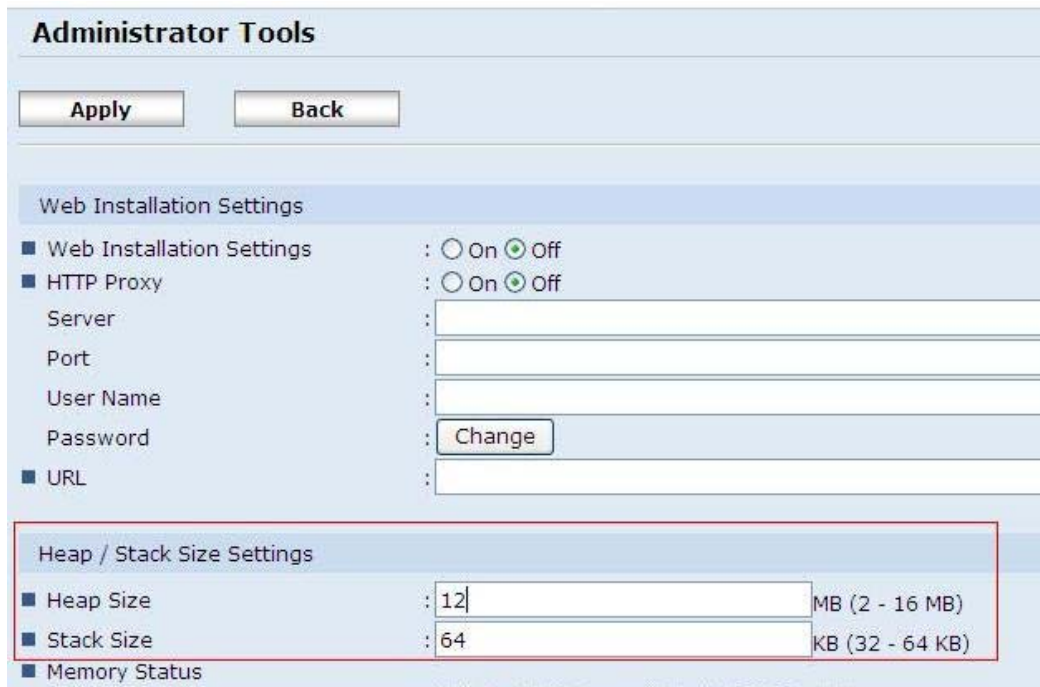
gl_i117

11. Press the "Change" button.



gl_i118

<4-line LCD models>



12. Input an appropriate value (see the table below) with the numeric keys on the operation panel, and then press the "# (Enter)" key.

Required heap size for the "Heap/ Stack Size Settings" depends on a combination of installed applications. For details, refer to the table below.

GlobalScan NX	CAP	ELP-NX	Required Heap Size
Yes	-	-	Default Setting
Yes	Yes	-	16 MB
Yes	Yes	Yes	16 MB

13. Press the "OK" button to return to the previous screen.

14. Press the "User Tools/Counter" key to exit the UP mode.

15. Turn the target machine off and on.

16. Set the Auto Off Timer to "5 minuties".

Remote Updating Procedure

Updating of GlobalScan NX SDK application

★ Important

- First update the Java VM Platform if the Java VM Platform and GlobalScan NX SDK Application are supposed to be updated at the same time.
- It is not possible to update Ver1.1.X directly to Ver1.4.x.
- **Make sure to turn off the Auto Off Timer. If the timer is left on, the machine will enter Auto Off Mode while the installation is in progress, causing the installation to fail.**

1. Ask a machine administrator to stop the GlobalScan NX SDK Application with the operation panel (the procedure for stopping a GlobalScan NX SDK application is described below for reference).

↓ Note

- Stop other SDK Applications if they have been installed in the machine.
- You can also stop the GlobalScan NX SDK Application with the web image monitor (the procedure for stopping a GlobalScan NX SDK application is described below for reference).

2. Launch the Remote Manager.
3. Add a GlobalScan NX SDK Application for updating in the Remote Manager

↓ Note

- File name of the zip file is subject to change.
- See the "Adding a DSDK Application in the Remote Manager" sub section of the "DSDK Application Installation" section of the "Embedded Software Remote Manager Operation Guide".

4. Install the GlobalScan NX SDK Application for updating in the target machine

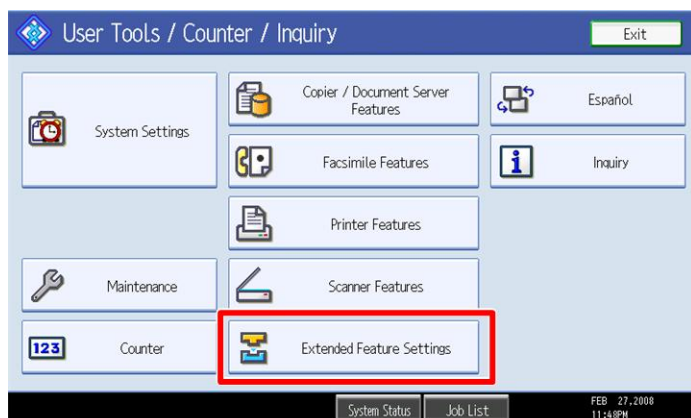
↓ Note

See the "Installing the DSDK Application in the Target Machine" sub section of the "DSDK Application Installation" section of the "Embedded Software Remote Manager Operation Guide".

5. Turn off and on the target machine.
6. Ask a machine administrator to check if the version of the GlobalScan NX SDK Application is updated and if the installed GlobalScan NX SDK Application is "Starting Up".

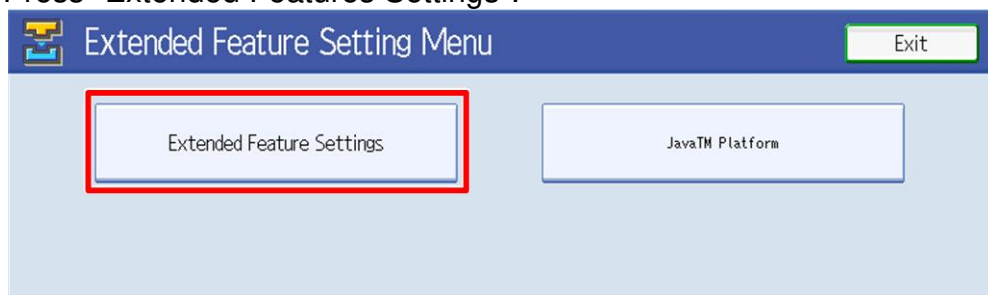
To stop a GlobalScan NX SDK application with Operation Panel

1. Press User Tools/Counter key on the machine's operation panel.
2. Log in the "User Tools" using a machine administrator account (user name and password).



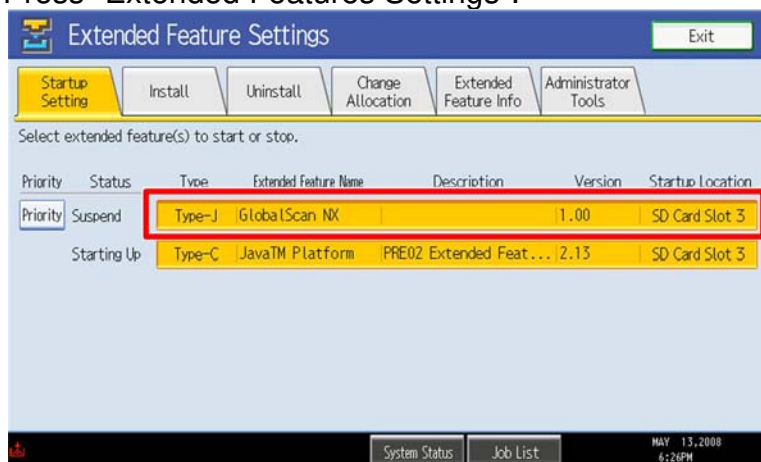
cav2i063

3. The screen shown above is displayed.
4. Press "Extended Features Settings".



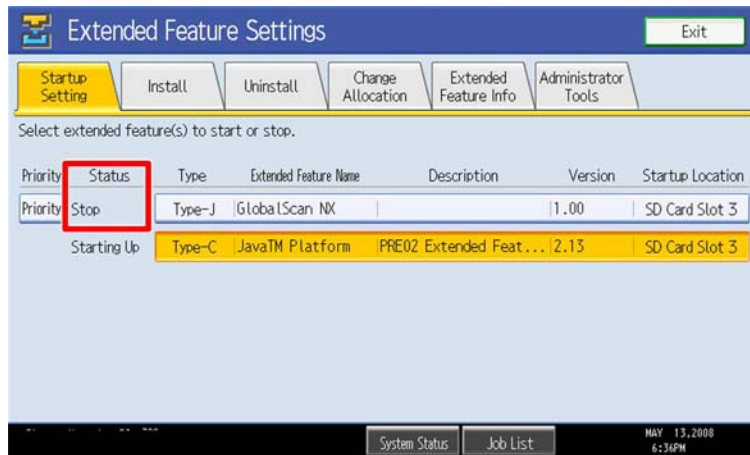
cav2i064

5. The screen shown above is displayed.
6. Press "Extended Features Settings".



cav2i093

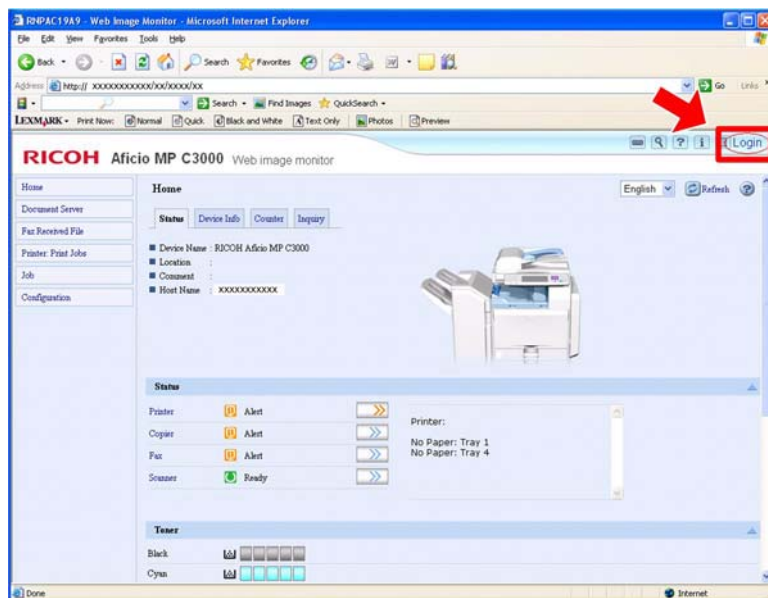
7. Press the GlobalScan NX SDK application bar to stop the application.



cav2i094

- "Stop" is displayed in the Status column and the GlobalScan NX SDK application bar turns white when the GlobalScan NX SDK application is stopped.

To stop a GlobalScan NX SDK application with Web Image Monitor



cav2i052

- Access the target machine's Web Image Monitor.
- Click the "Login" button.

RICOH

Web Image Monitor

Login User Name :

Login Password :

Login

Cancel

cav2i088

3. Login to the target machine using a machine administrator name and password.

RICOH Aficio MP C3500 Web Image Monitor

Home

Document Server

Fax Received File

Printer: Print Jobs

Job

Configuration

Home

Status Device Info Counter Inquiry

Device Name : RICOH Aficio MP C3500

Location :

Comment :

Host Name : RNFA90FD5

Status

System Call Service

Printer Toner Almost Empty

Copier Toner Almost Empty

Fax Alert

Scanner Energy Saver Mode

Printer:

No Paper: Tray 1

No Paper: Tray 2

Low: Yellow Toner

Panel Off Mode

cav2i089

4. Click "Configuration".

RICOH Aficio MP C3500 Web Image Monitor

Basic Settings

Tray Parameters (FCL)

Fax

Environment Settings

Send / Reception Settings

IP-Fax Settings

IP-Fax Gateway Settings

Parameter Settings

Interface

Interface Settings

SSL/TLS

ssh

Site Certificate

Device Certificate

RC Gate

Setup RC Gate

Update RC Gate Firmware

RC Gate Proxy Server

Webpage

Webpage

Extended Feature Settings

Startup Setting

Extended Feature iso

Install

Uninstall

Change Allocation

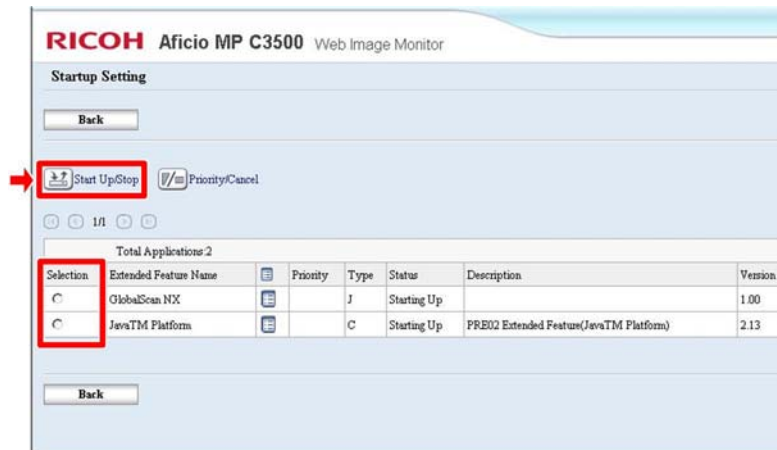
Administrator Tools

Copy Extended Features

Copy Card Save Data

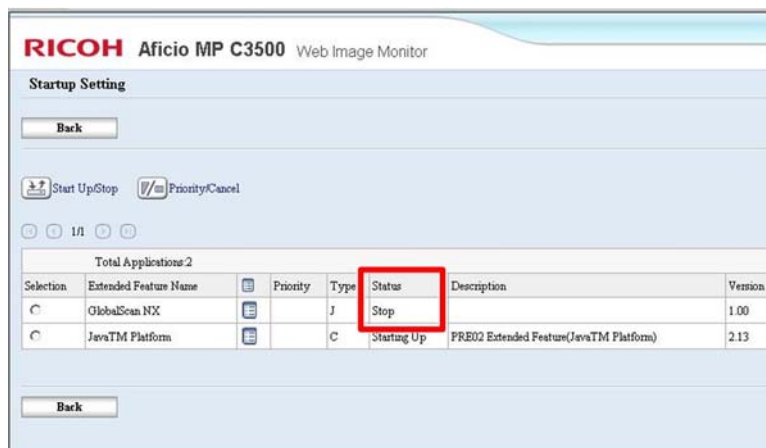
cav2i090

5. Click "Startup Setting" in the "Extended Feature Settings" section.



cav2i091

6. Check the radio button of a GlobalScan NX SDK application to be updated, and then click the "Start Up/Stop".



cav2i092

7. "Stop" is displayed in the Status column if the GlobalScan NX SDK application is stopped.

Model: GlobalScan NX	Date: 05-Aug-10	No.: RD420008
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Correct items

- Table listing target MFP models and supported VM versions.
- Remote Updating Procedure was corrected.

Subject: GlobalScan NX Installation/Uninstallation/Update Guide		Prepared by: T. Nihei	
From: 1st Overseas Tech Support Sec., 1st PQM Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Other ()	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the GlobalScan NX SDK Application version 1.4.x Installation / Uninstalltion / Update Guide release information.

**GlobalScan NX
Installation/Uninstallation/Update Guide
(Activation Version)**

Target MFP models and supported VM versions.

For each MFP model, make sure to install the following or newer version.

Model Name	VM Ver.
B222/B224	V2.15
B230/B237	V2.15
B246/B248/B249	V2.15
D052/D053/D054	V2.15
D009/D012	V4.20
D011/D013	V4.20
D014/D015	V4.20
D017/D019	V4.20
D018/D020	V4.20
D046/D049 (see [NOTE])	V4.22
D084/D085	V4.20
D091/D092	V4.20
D023/D025	V4.20
D027/D029	V4.20
D037/D038/D040/D041	V4.20
D062/D063/D065/D066	V5.09.04
D067/D068/D069/D072	V6.04
D081/D082	V7.03.09

[NOTE]

To use GSNX V1.4 SDK application with BE-C1 (D046/D049), the following versions of system firmware and a VM card are required.

System firmware:

V3.00.1 or later

Printer Firmware (necessary when using the Printer Option):

V3.01 or later

VM Card: V4.22 or later

NOTE:

RCL will prepare a special VM card including a NTL Filter (V2.2.7 or later) for BE-C1 (D046/D049).

Installation

Confirmation Points before Installation

- Make sure that the System firmware of the **target machine** is the latest version.
- Make sure that the version of Java VM installed to the card is the latest version. (See the “Release Note of GlobalScan NX SDK Application” regarding the System firmware and Java VM version requirements.)
- Only the Card Authentication Package (CAP) and Enhanced Locked Print NX (ELP NX) SDK applications are supported for use with the GlobalScan NX SDK application. Other Type C or Type J SDK applications are not supported.
- Please confirm the version compatibility between GlobalScan NX and CAP. For details, refer to the following table:

	CAP V1.3	CAP V1.4
XG-SD V1.3	OK	OK
XG-SD V1.4	OK	OK

- ***GlobalScan NX requires that the device’s Auto Off Timer be set to 5 minutes or longer. This is because the device might not work correctly if it enters Sleep Mode before the VM, GlobalScan NX applications finish starting up.***
- To use GlobalScan NX with the following models, please have the customer purchase memory modules to expand the available system (MFP) memory:
- AL-C1(D009/D011/D012/D013), R-C5(D017/D018/D019/D020) (monochrome scanner models): Needs to be expanded to 768MB (max.).
- DI-C1(D037/D038/D040/D041): Needs to be expanded to 1024MB (max.).
- For AL-C1(D009/D011/D012/D013) and R-C5(D017/D018/D019/D020), the IPDS option and Global Scan NX (Java VM) cannot be used at the same time.

Installation of GlobalScan NX SDK Application

There are two installation methods for the “GlobalScan NX SDK Application”. You can choose one of these installation methods;

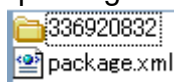
- For installing in a small number of machines, "**Installation Method 1**" is recommended.
- For installing in a large number of machines, "**Installation Method 2**" is recommended.

Installation Method 1

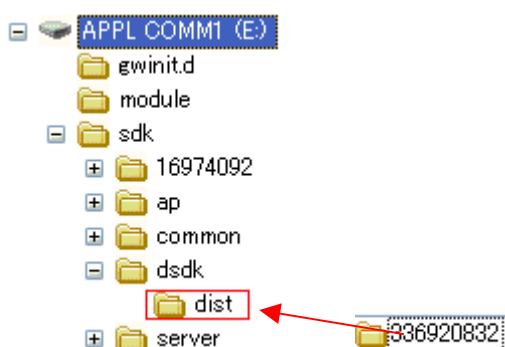
Note

- This method is not usable with 4-line LCD models due to the limited display capabilities of the S-C4's 4-line LCD panel.

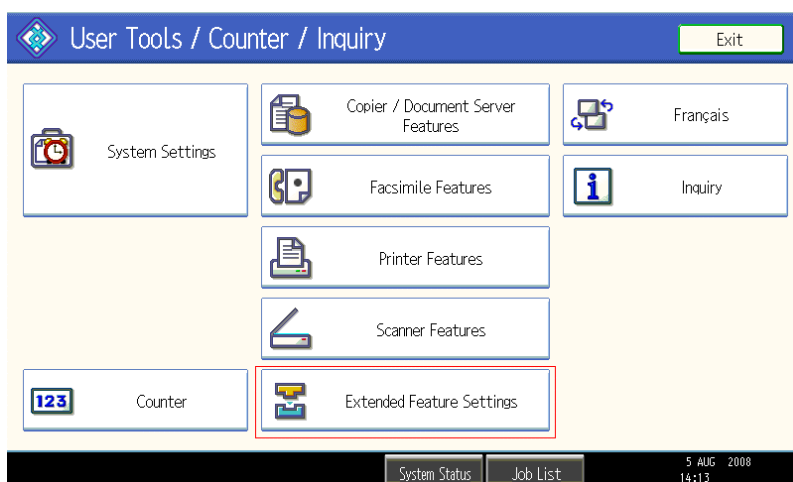
1. Prepare the GlobalScan NX SDK application on your PC.
2. Unzip the GlobalScan NX SDK application file to create the "336920832" folder and "package.xml" file.



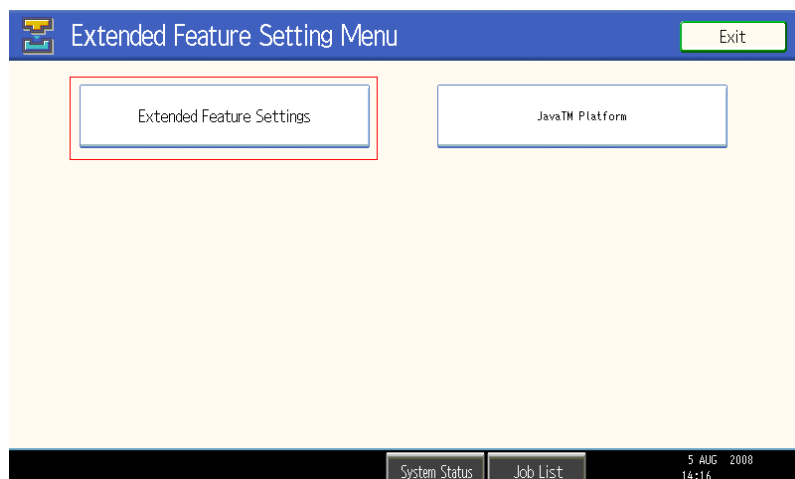
3. Insert a VM card to a Panasonic SD Card Reader/Writer that is connected to the PC. Access the VM card, and verify that the following folders exist. Copy the "336920832" folder to the "dist" folder (sdk/dsdk/dist) of the VM card, as shown below.



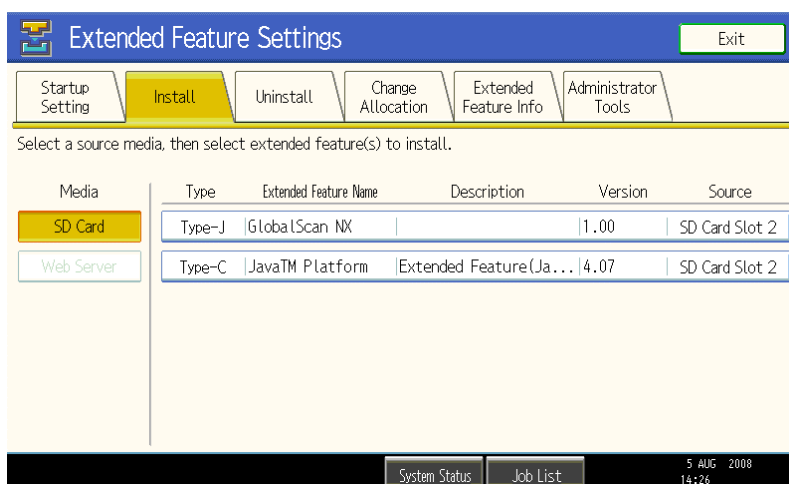
4. Remove the VM card from the Panasonic SD Card Reader Writer.
5. Go to the target machine and insert the VM card into the service slot when it is turned off.
6. Turn on the target machine, and Java VM will install itself on the target machine.
7. Ask the machine's administrator to login to the target machine as an administrator.
8. Press the "User Tools" key, and then push the "Extended Feature Settings" button on the operation panel.



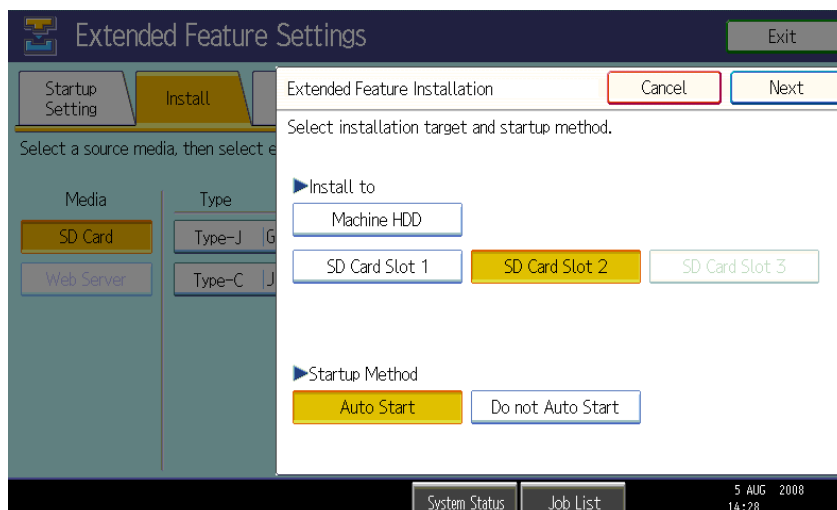
9. Next, select "Extended Feature Settings".



10. Select the "Install" tab, followed by "SD Card".



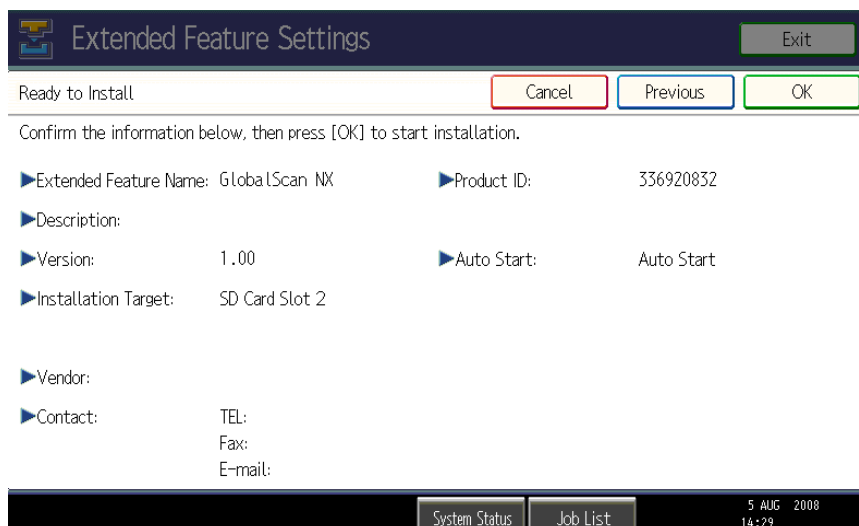
11. Select GlobalScan NX, and select the service slot (the actual slot will vary depending on the machine) and "Auto Start". By selecting "Auto Start", the GlobalScan NX service will automatically start-up after completing the activation process and rebooting the machine. Press "Next" to continue this installation procedure.



Note

- Do not install "GlobalScan NX" to the HDD of the target machine.
- Switching GlobalScan NX manually between "Stop" and "Starting-up" on the operation panel might cause the device to run out of memory. So, we recommend using Auto Start.

12. Verify that the displayed SDK application name and version number are correct.

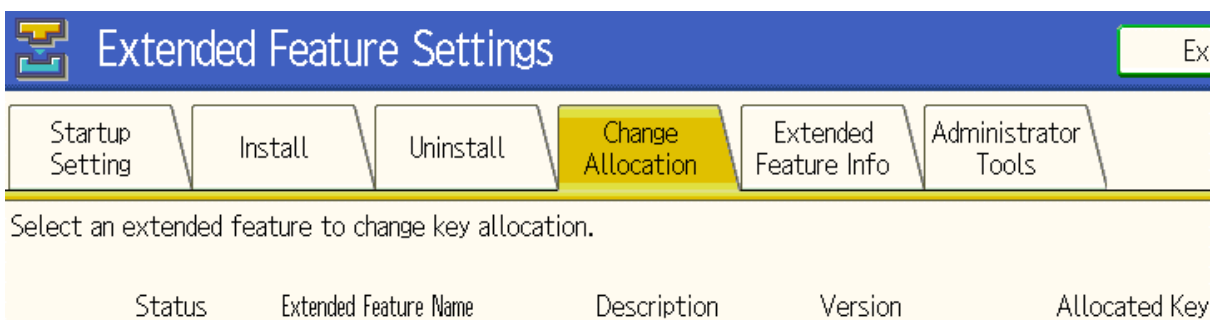


Note

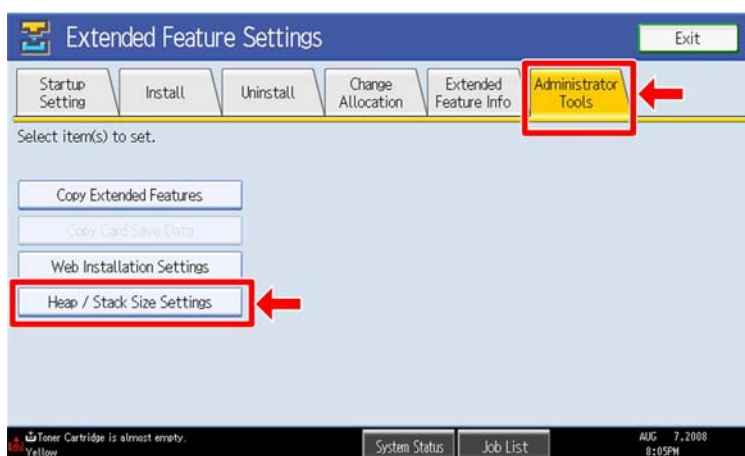
- If the displayed SDK application is not what you want to install, verify that the contents of the VM card are correct and retry this installation.

13. Press "OK" to complete this installation.

14. Java VM applications use the "Other Functions" key by default. If the user wants re-assign the key used to access GlobalScan NX, please use the "Change Allocation" tab, located on the "Extended Feature Settings" screen.

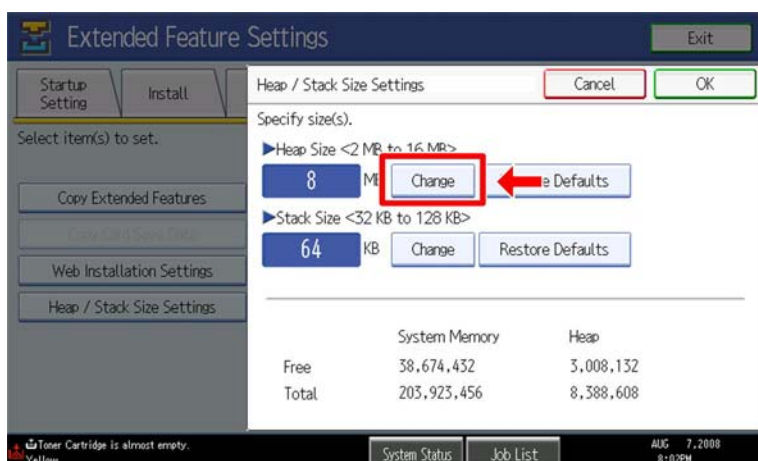


15. Press the "Administrator Tools" tab, and then press the "Heap/ Stack Size Settings" button.



gl_i116

16. Press the "Change" button.



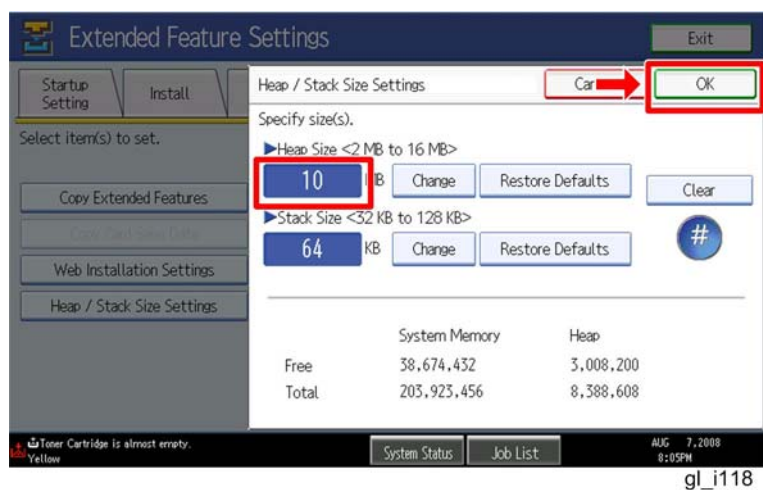
gl_i117

17. Input the appropriate value using the numeric keys on the operation panel and then press the "# (Enter)" key.

The required heap size depends on the combination of installed applications. For details, refer to the table below:

GlobalScan NX	CAP	ELP-NX	Required Heap Size
Yes	-	-	Default Setting
Yes	Yes	-	16 MB
Yes	Yes	Yes	16 MB

18. Press the "OK" button to return to the previous screen.



19. Press the "User Tools" key to exit the UP mode.

20. Turn the target machine off and on.

21. Activate "GlobalScan NX" using Remote Manager.

Note

- For details, see "Product Activation" in the "Embedded Software Remote Manager Operation Guide".

22. Reboot the MFP. If using Auto Start (as recommended), GlobalScan NX will start up after activation and rebooting the MFP.

Note

- Both Web Image Monitor and the MFP's Extended Feature Settings screen may display the status of GlobalScan NX as "Suspend". This is equivalent to "Starting Up" and is normal behavior.

Installation Method 2

★ Important

- **Make sure to turn off the Auto Off Timer. If the timer is left on, the machine will enter Auto Off Mode while the installation is in progress, causing the installation to fail.**

1. Install the GlobalScan NX SDK application to the target machine using Remote Manager.

↓ Note

- Use the zipped file as it is (do not unzip it).
- For the correct procedure, see the "Installation and Activation" section in the "Embedded Software Remote Manager Operation Guide".

2. Activate "GlobalScan NX" using Remote Manager.

↓ Note

For details, see "Product Activation" in the "Embedded Software Remote Manager Operation Guide".



3. Access the target machine's Web Image Monitor.
4. Login to the target machine using a machine administrator name and password.
5. Click the "Configuration" button.
6. Click "Extended Feature Info".
7. Click the "Details" icon for "GlobalScan NX" (see below).

RICOH Aficio MP C3300 Web Image Monitor

Extended Feature Info

Back

1/1

Total Applications:2					
Extended Feature Name		Priority	Type	Status	Description
GlobalScan NX			J	Starting Up	
JavaTM Platform			C	Starting Up	Extended Feature(JavaTM Platform)

8. Make sure that Auto Start is set to "On". (Default: On)

RICOH Aficio MP C3300 Web Image Monitor

Extended Feature Info

[Back](#)

- Extended Feature Name : GlobalScan NX
- Description :
- Version : 1.3.3.0
- Product ID : 336920832
- Startup Location : SD Card Slot 2
- Vendor :
- Contact
- TEL :
- Fax :
- E-mail :
- Auto Start : On

- Reboot the MFP using the “Reset Device” button located on the Web Image Monitor main page. As long as Auto Start set to “On”, GlobalScan NX will start up automatically after activation and the MFP has been rebooted.

RICOH Aficio MP C3300 Web Image Monitor

Home | Document Server | Printer: Print Jobs | Job | Address Book | Configuration

Home English

[Status](#) [Device Info](#) [Counter](#) [Inquiry](#)

- Device Name : RICOH Aficio MP C3300
- Location :
- Comment :
- Host Name : RNPF821B

[Reset Device](#) [Reset Printer Job](#)



Status

Note

- Both Web Image Monitor and the MFP’s Extended Feature Settings screen may display the status of GlobalScan NX as “Suspend”. This is equivalent to “Starting Up” and is normal behavior.

- If required, change the “Heap/ Stack Size Settings” using Web Image Monitor. Heap/Stack Size can be set on the screen accessed by Configuration > Extended Feature Settings > Administrator Tools

Administrator Tools

Web Installation Settings

■ Web Installation Settings : On Off

■ HTTP Proxy : On Off

Server :

Port :

User Name :

Password :

■ URL :

Heap / Stack Size Settings

■ Heap Size : MB (2 - 16 MB)

■ Stack Size : KB (32 - 64 KB)

■ Memory Status

Note

- The required heap size depends on the combination of installed applications. For details, refer to the table below:

GlobalScan NX	CAP	ELP-NX	Required Heap Size
Yes	-	-	Default Setting
Yes	Yes	-	16 MB
Yes	Yes	Yes	16 MB

Uninstallation

Uninstallation of GlobalScan NX SDK application

1. Turn on the target machine.
2. Deactivate the "GlobalScan NX" application using Remote Manager. For details, see "Deactivation" in the "Embedded Software Remote Manager Operation Guide".

★ Important

- Before uninstalling activated SDK applications, deactivation must be done. Otherwise, the product key will become unusable.

3. Uninstall the GlobalScan NX SDK application, but not the Java VM application, using the operation panel or Remote Manager.

↓ Note

- Please use Remote Manager if the target MFP is 4-line LCD model.

4. Reboot the target machine.

Remote Updating Procedure

Updating of GlobalScan NX SDK application

★ Important

- First update the Java VM Platform if the Java VM Platform and GlobalScan NX SDK Application are supposed to be updated at the same time.
- **Make sure to turn off the Auto Off Timer. If the timer is left on, the machine will enter Auto Off Mode while the installation is in progress, causing the installation to fail.**

1. Ask a machine administrator to stop the GlobalScan NX SDK Application with the operation panel (the procedure for stopping a GlobalScan NX SDK application is described below for reference).

↓ Note

- Stop other SDK Applications if they have been installed in the machine.
- You can also stop the GlobalScan NX SDK Application with the web image monitor (the procedure for stopping a GlobalScan NX SDK application is described below for reference).

2. Launch the Remote Manager.
3. Add a GlobalScan NX SDK Application for updating in the Remote Manager

↓ Note

- File name of the zip file is subject to change.
- See the "Adding a DSDK Application in the Remote Manager" sub section of the "DSDK Application Installation" section of the "Embedded Software Remote Manager Operation Guide".

4. Install the GlobalScan NX SDK Application for updating in the target machine

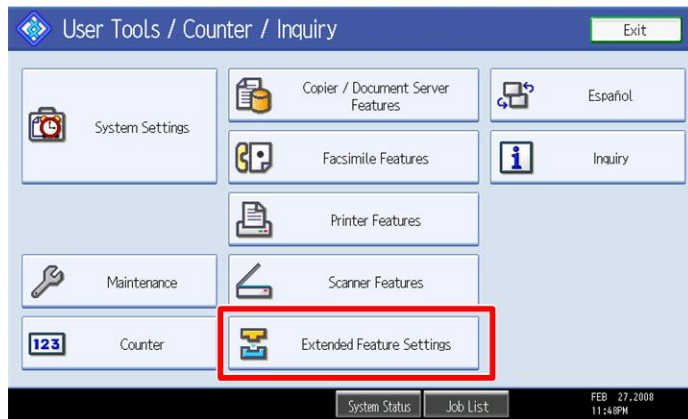
↓ Note

See the "Installing the DSDK Application in the Target Machine" sub section of the "DSDK Application Installation" section of the "Embedded Software Remote Manager Operation Guide".

5. Turn off and on the target machine.
6. Ask a machine administrator to check if the version of the GlobalScan NX SDK Application is updated and if the installed GlobalScan NX SDK Application is "Starting Up".

To stop a GlobalScan NX SDK application with Operation Panel

1. Press User Tools/Counter key on the machine's operation panel.
2. Log in the "User Tools" using a machine administrator account (user name and password).



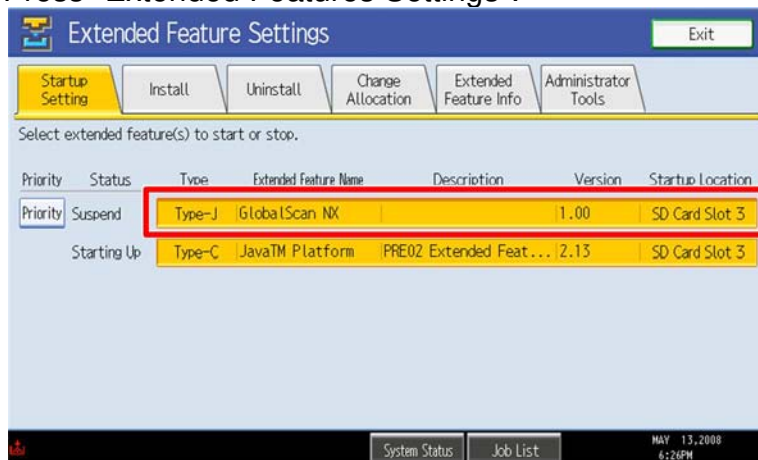
cav2i063

3. The screen shown above is displayed.
4. Press "Extended Features Settings".



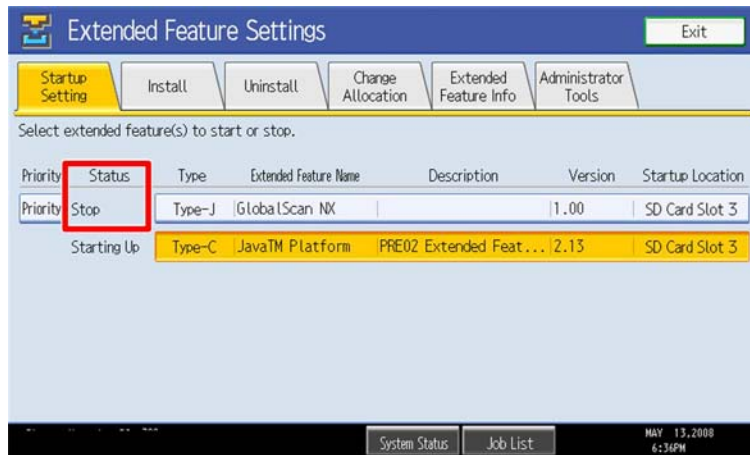
cav2i064

5. The screen shown above is displayed.
6. Press "Extended Features Settings".



cav2i093

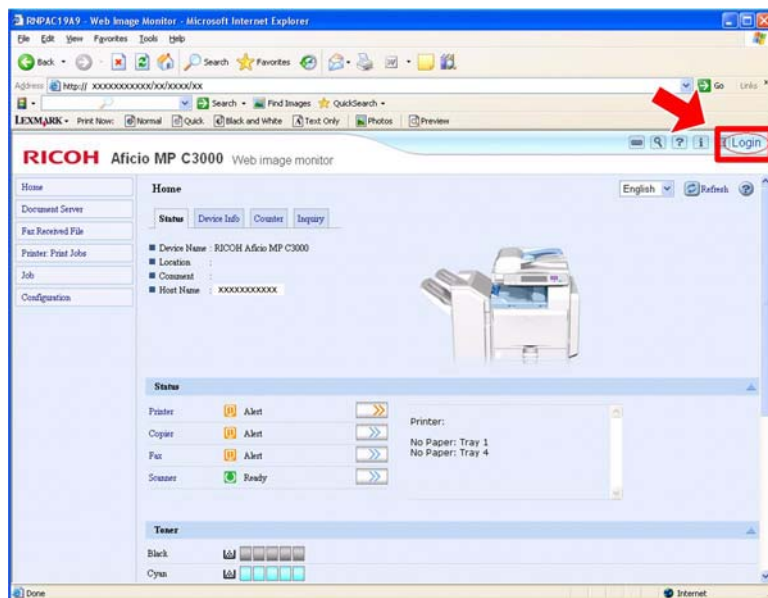
7. Press the GlobalScan NX SDK application bar to stop the application.



cav2i094

- "Stop" is displayed in the Status column and the GlobalScan NX SDK application bar turns white when the GlobalScan NX SDK application is stopped.

To stop a GlobalScan NX SDK application with Web Image Monitor



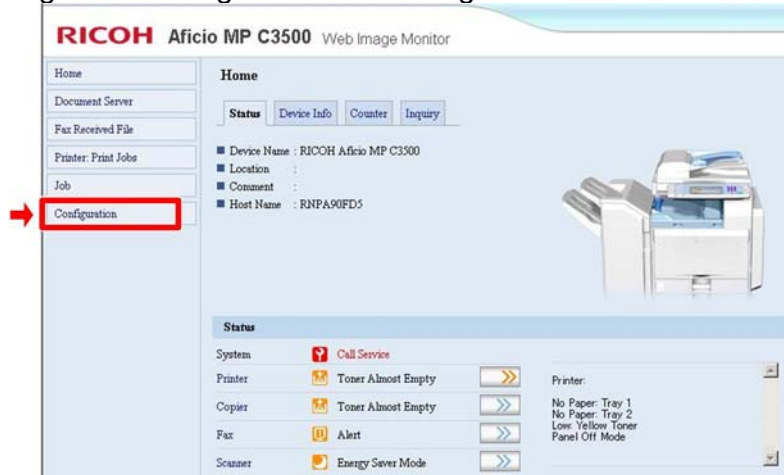
cav2i052

- Access the target machine's Web Image Monitor.
- Click the "Login" button.



cav2i088

3. Login to the target machine using a machine administrator name and password.



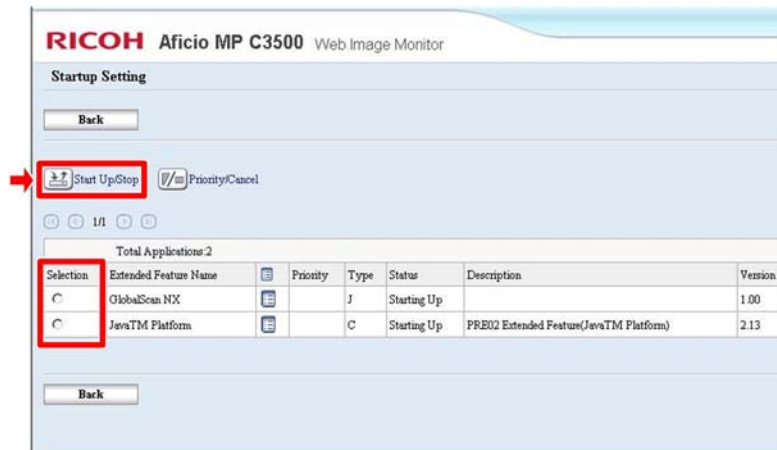
cav2i089

4. Click "Configuration".



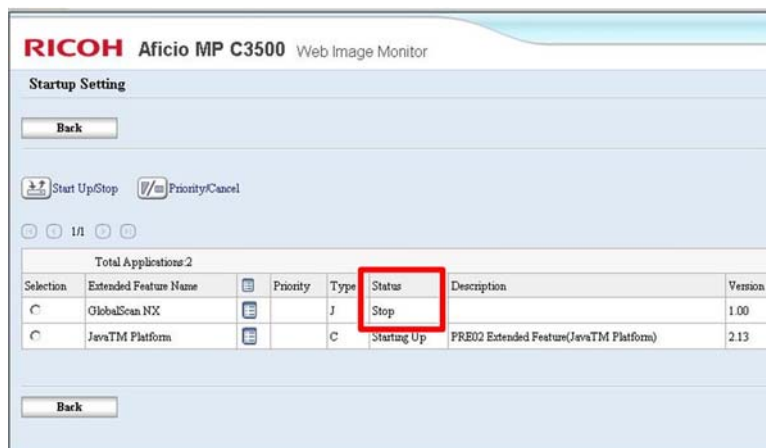
cav2i090

5. Click "Startup Setting" in the "Extended Feature Settings" section.



cav2i091

6. Check the radio button of a GlobalScan NX SDK application to be updated, and then click the "Start Up/Stop".



cav2i092

7. "Stop" is displayed in the Status column if the GlobalScan NX SDK application is stopped.

Model: GlobalScan NX		Date: 02-Sept-11	No.: RD420011
Subject: GlobalScan NX Update Guide		Prepared by: Minoru Kuramochi	
From: Global Technology Support Department			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input type="checkbox"/> Other ()	<input type="checkbox"/> Tier 2

This RTB has been issued to announce the release of the GlobalScan NX update guide for the MIF replacement required by the SD-Card failure and potential data loss issue.

[Note]

This guide has been prepared for RA only. It is not intended for use by other regions.

GlobalScan NX Update Guide

August 15th, 2011
Solution Value Proposition Section
Global Technology Support Department
Service and Support Center
Global Marketing Group
Ricoh Company LTD

Abstract

Notification

This document is written based on the understanding that GSNX is already installed and working. As described in the “GlobalScan NX Installation/Uninstallation/Update Guide”, this means:

- Any required Hardware Options are attached (Optional Memory, etc.)
- The Heap/Stack Size settings configured correctly:

GlobalScan NX	CAP	ELP-NX	Required Heap Size
Yes	-	-	Default Setting
Yes	Yes	-	16 MB
Yes	Yes	Yes	16 MB

- The Auto Off Timer is set to 5 minutes or longer.

Preparation

Please review the customer’s environment before starting the v1.5.2 update. Information that should be reviewed and confirmed is as follows:

Customer Models

- Java VM cards
- Latest System FW

GSNX Edition (Server/Serverless)

FAX function is used or not.

Other installed SDK applications

- If the customer uses an SDK application that requires activation (such as CAP), please prepare the object and a new product key in advance.
- Please confirm that the installed version of CAP is compatible with GSNX. For details, refer to the following table:

	CAP V1.4
GlobalScan NX V1.5	OK

Procedure (Outline)

1. (If the fax function is used) Change the Reception File Setting from “Store” to “Print” in the Facsimile Features menu.
2. Update the GSNX PC application and optional plug-ins.
3. Deactivate the GSNX SDK application and any other applications which require activation.
4. Replace the VM card.
5. Install the GSNX SDK application.
6. Install the other SDK applications.
7. Synchronize the GSNX profile with the devices.
8. Confirm that the profiles were distributed properly.
9. (If the fax function is used) Set the Reception File Setting to “Store” in the Facsimile Features menu.

↓ Note

To avoid unexpected trouble, do not synchronize the PC application with the SDK application until after the SDK application is upgraded to v1.5.2.

↓ Note

If you are already familiar with the procedures required by the above steps, you do not need to continue using this document.

Target MFP models and supported VM versions

For each MFP model, make sure to install the following or newer VM version.

Model Code	Java VM Parts Number	Version	Firmware (System)	Version
B222/B224	B8619900	V2.15	B2215601S	V1.70
B230/B237	B8619900	V2.15	B2385601X	V1.71
B246/B248/B249	B8619900	V2.15	B2475101W	V3.05
D052/D053/D054	B8619900	V2.15	B2475101W	V3.05
D009/D012	D3779900	V4.23	D0125751V	V1.13
D011/D013	D3779900	V4.23	D0135751V	V1.13
D014/D015	D3779900	V4.23	D0145761N	V1.12
D017/D019	D3779900	V4.23	D0195331P	V1.17
D018/D020	D3779900	V4.23	D0205331P	V1.17
D046/D049	D3779900	V4.23	D0465749A	V3.01
D084/D085	D3779900	V4.23	D0855751B	V1.01
D091/D092	D3779900	V4.23	D0925751B	V1.01
D023/D025	D4309900	V4.23	D0255562V	V1.24
D027/D029	D4309900	V4.23	D0295562V	V1.24
D038/D041	D4309900	V4.23	D0395521J	V1.17
D062/D063/D065/D066	D4639900	V5.12	D0625572H	V1.19
D067/D068/D069/D072	D4679900	V6.07	D0675530D	V1.02
D115	D4679900	V6.07	D1155530A	V1.03
D081/D082	D0819901	V7.09.3	D0815760D	V1.03
D093/D094	D5069900	V7.09.3	D0935605A	V3.01
D088/D089	D0899900	V7.09.3	D0895562J	V2.05
D086/D087	D0899900	V7.09.3	D0875562H	V1.05
D104/D106	D1069900	V7.09.3	D1055730D	V1.02
M022/M024/M026/M028	M0269900	V7.09.3	M0265771F	V1.04

GlobalScan NX PC Software Upgrade

Pre-Check

Before upgrading the PC Software, please check the following:

- #1. Is Serverless Edition installed? [Yes, No]
 - #1.1. If Yes, does the customer want the job/error log saved? [Yes, No]
- #2. Is the Load Balance or Secondary Delivery Server function used? [Yes, No]
- #3. Are any Optional Plug-ins installed? [Yes, No]
 - #3.1. If Yes, is the MS SharePoint Server plug-in installed? [Yes, No]

Note

Try to get the answers from the customer. If this is not possible, check them yourself using the procedures described in Appendix A-D.

Procedure

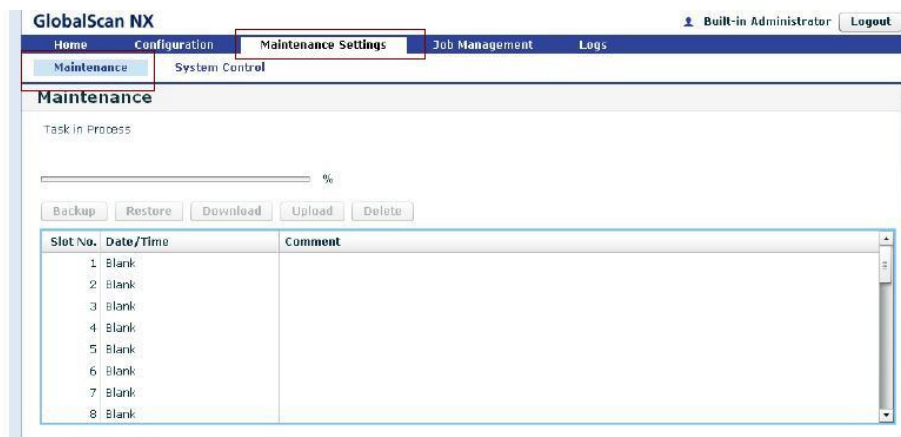
Note

Steps **1**, **2**, **3** and **8** (in Bold) are mandatory. The other steps are optional.

- 1. Perform a Manual Backup (for safety).**
- 2. Download a Backup File (for safety).**
- 3. Export a Device List (for safety).**
4. (If #1.1 is "Yes") export the System Log and Job Log.
5. (If #1.1 is "Yes") download the Error jobs.
6. (If #2 is "Yes") disable the Secondary Delivery Server/Load Balance settings.
7. (If #3.1 is "Yes") uninstall the MS SharePoint Server Plug-in.
- 8. Upgrade the GlobalScan NX (v1.5.2) Software.**
9. (If #3 is "Yes") upgrade the GlobalScan NX Optional Plug-ins.

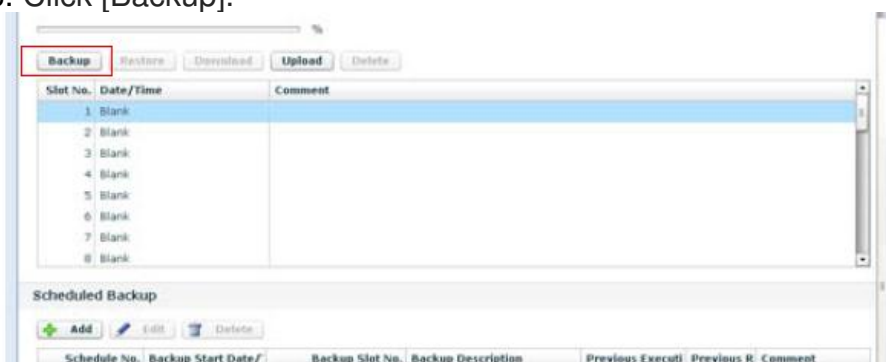
1. Perform a Manual Backup (for safety)

1. The Backup menu is available from the [Maintenance] tab of the [Maintenance Settings] screen.



2. Select (highlight) a slot.

3. Click [Backup].



4. A message will appear with a [Comment] field. Enter a comment if desired, and then click [OK]. Another message will be displayed indicating that the Backup operation was successful.

5. Click [OK]. The newly-created backup file will have been added to the list.



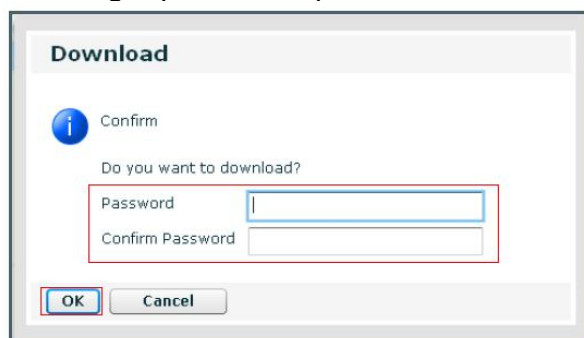
2. Download a Backup File (for safety)

1. Select the backup data you created in the previous section.

2. Click [Download].

You can set a password to protect the backup file. If entered, this password will be required when the backup file is uploaded. Only alphanumeric characters can be used for the password.

3. If using a password, please enter it twice.



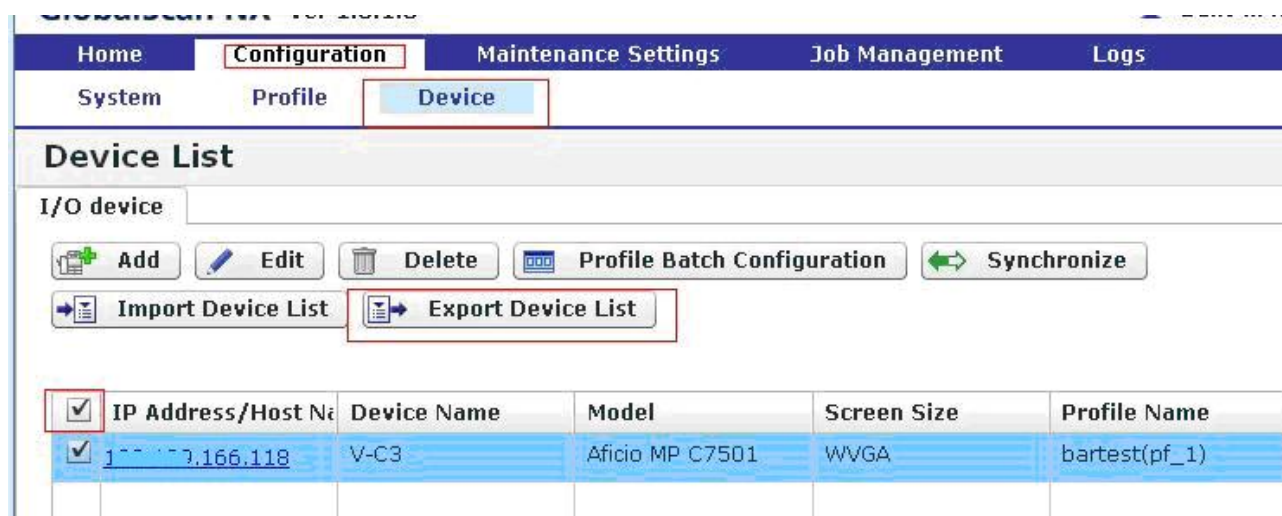
4. Save the backup file to the desired location.

A message will appear indicating that the download operation was successful.

3. Export the Device List (for safety)

Please export the current device list.

To export the device list, please click the “Export Device List” button after selecting all registered devices.



The screenshot shows a web application interface with a navigation menu at the top. The 'Configuration' tab is selected, and within it, the 'Device' sub-tab is active. Below the navigation, the 'Device List' section is displayed. It includes a toolbar with buttons for 'Add', 'Edit', 'Delete', 'Profile Batch Configuration', and 'Synchronize'. Below the toolbar, there are two buttons: 'Import Device List' and 'Export Device List', with the latter being highlighted. A table below shows a list of devices with columns for 'IP Address/Host Name', 'Device Name', 'Model', 'Screen Size', and 'Profile Name'. The first row is selected, showing an IP address of 192.168.1.118, device name V-C3, model Aficio MP C7501, screen size WVGA, and profile name bartest(pf_1).

IP Address/Host Name	Device Name	Model	Screen Size	Profile Name
192.168.1.118	V-C3	Aficio MP C7501	WVGA	bartest(pf_1)

4. Export the System Log and Job Log (Serverless Edition Only)

Note

This step can be skipped if Server Edition is used.

If your customer wants to save the MFPs' Job and System Logs, please export them. Do not forget to export them from all target MFPs.

Procedure:

1. Open the Log screen, select the desired log, and then select a target device (MFP) by clicking the displayed device name to open a device selection dialog.
2. Click the "Refresh" button to update the log.
3. Click the Export button and input a file name.

Recorded Date/Time	Level	Job ID	Error Code	Error Message	Action Message	Remarks
05/31/2011 10:14:24	ERROR	67c3559	54010003	Failed to deliver the data to th		smb error occurs
05/31/2011 10:11:23	ERROR	67c3559	54010003	Failed to deliver the data to th		smb error occurs
05/31/2011 10:08:22	ERROR	67c3559	54010003	Failed to deliver the data to th		smb error occurs
05/31/2011 10:05:21	ERROR	67c3559	54010003	Failed to deliver the data to th		smb error occurs
05/31/2011 10:05:00	INFO		40200112	Synchronization has succeede		IP address : 133

5. Download the Error jobs (Serverless Edition Only)

Note

This step can be skipped if Server Edition is used.

If your customer wants to save the image data of jobs stored in the MFPs' error queue, please download those to the PC's HDD. Do not forget to download from all target MFPs and to check both the Scan and Fax error queues.

Procedure:

1. Open the Job Management screen, select the Error Queue, and then select a target device (MFP) by clicking the displayed device name to open a device selection dialog.
2. Click the “Refresh” button to update the queue.
3. Select the jobs to download.
4. Click the “Download” button and input the file name.

Generation Date	Last Refresh Date	Job ID	Status	No. of R	Project Name	User Name	Document
05/31/2011 10:05:19	05/31/2011 10:14:24	67c3559	error	3	aa		201105310

6. Disable Secondary Delivery Server/Load Balance settings (Option)

Note

This step can be skipped if Secondary Delivery Server/Load Balance Server is not used.

If the customer is using Secondary Delivery Server /Load Balance settings, you need to disable this setting before update the GlobalScan NX software. For the details, please refer the Appendix D

7. Uninstall MS SharePoint Server Plug-in (Option)

Note

This step can be skipped if SharePoint Server Plug-in is not installed.

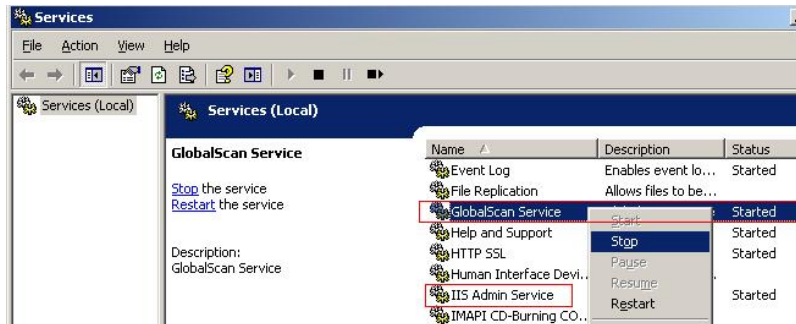
If the customer is using MS SharePoint Server Plug-in, you need to uninstall this plug-in before update the GlobalScan NX software. Uninstallation can be performed by [Start] > [Control Panel] > [Add/Remove Programs]

Note

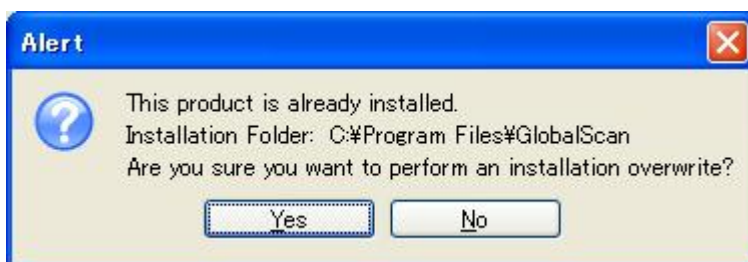
- Uninstallation is required when upgrading the MS SharePoint Server plug-in from v1.4.4 or earlier to v1.5.2.

8. Upgrade GlobalScan NX (PC application, v1.5.2)

1. Close all applications currently running on your computer.
2. Stop the GlobalScan Service.



3. If you are using IIS as the web server, stop the IIS Admin Service.
4. Insert the media containing the GlobalScan NX installer into the computer.
5. The GlobalScan NX Start screen displays.
 - If AutoRun does not start the installer, search for and run "RDLaunch.exe".
6. Select the software you wish to install: Serverless Edition [AdminTool] or Server Edition [Application & AdminTool].
7. The language selection screen appears.
8. Select the desired language, and then click [OK].
9. An alert will appear. Please click [Yes] to confirm overwrite installation.



10. A welcome screen is displayed.

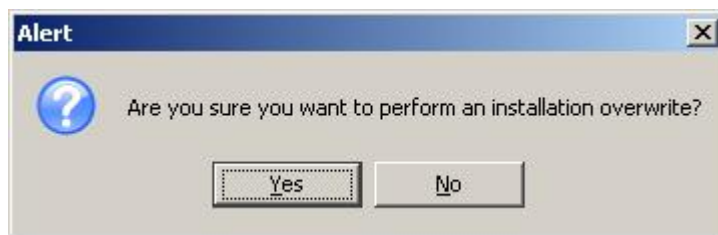
11. Click [**Next**].

12. Read the licensing agreement, and then select “**I accept...**”.

13. Click [**Next**].

14. Enter a password to be used for the built-in user, and then click [**Next**].

15. Final confirmation for the overwrite installation appears.



16. Click [**Yes**] to start installation.

9. Upgrade GlobalScan NX Option Plug-ins (if necessary)

Note

This step can be skipped if no option plug-in is installed.

If your customer is using GSNX Option Plug-in(s), please update them to the newest version. The newest versions are packaged with the GSNX installer.

To find installed plug-ins, please refer Appendix D

Installation Procedure

Suspend the Delivery Service.

The screenshot shows the GlobalScan NX web interface. At the top right, the status is 'Running' and the user is 'Built-in Administrator'. The main navigation bar includes 'Home', 'Configuration', 'Maintenance Settings', 'Job Management', and 'Logs'. Below this, there are three main sections: 'System', 'Profile', and 'Device'. An arrow points from the 'Profile' section to a detailed view of the 'System Control' page. In this view, the 'Delivery Service Status' is 'Running' and there is a 'Refresh' button. A red box highlights the 'Switch Delivery Service Status' button.

Please run the plug-in's installer.

During the installation, a confirmation window for the overwrite installation appears. Please click [Yes] to continue the installation.



Update System FW

Please update each MFP's system firmware to the latest version. We recommend using Remote Firmware Update if the customer has several models of MFPs in the office.

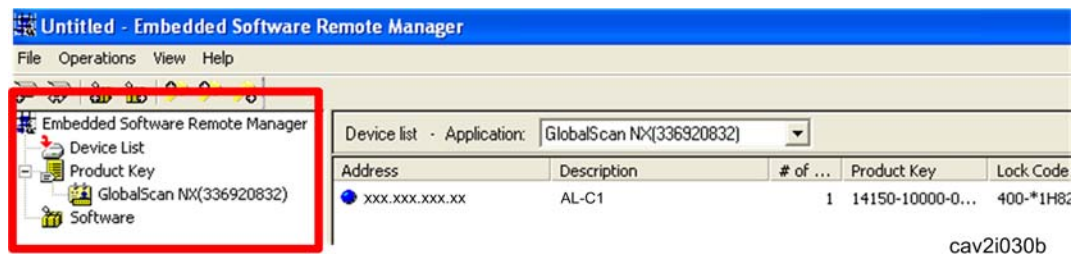
GlobalScan NX SDK application Installation

1. Start "Remote Manager".
2. Open the Work state archive (filename.caz) that was saved after activating the GSNX application.

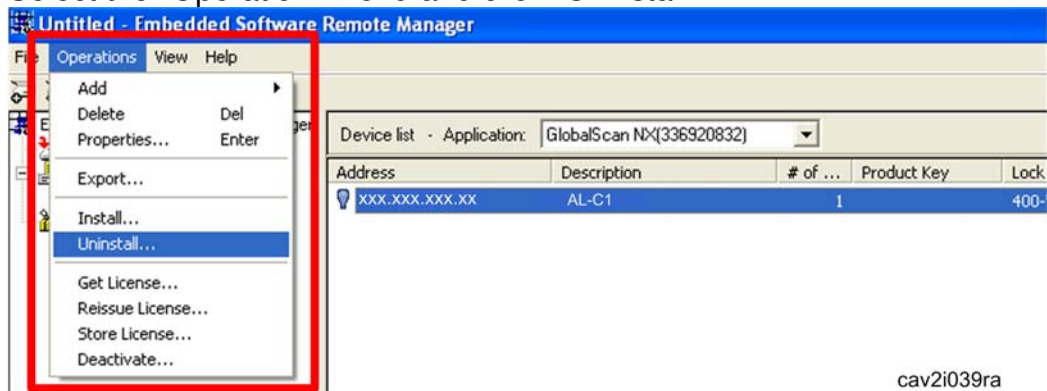
Note

If your customer did not keep the Work state archive, please refer to **Appendix E** before proceeding to step 3.

3. Click the "Device List" icon on the left panel.
4. Select the GSNX DSDK Application.



5. Select the "Operation" menu and click "Uninstall...".



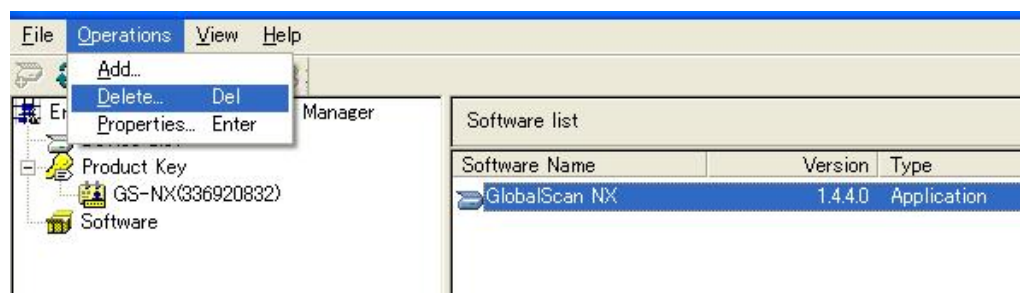
6. A confirmation message appears. Please ignore this message and click "Yes".



- The “?” icon appears next to the device in the Device list, indicating that the DSDK Application has been properly uninstalled.



- Delete the GSNX application from the Software list.



- Save the current status as a Work state archive (filename.caz).

★ Important

- This Work state archive will be used in order to install and reissue the replacement GSNX application.

Replacement Java VM card preparation

SD-Card Production Date Confirmation

Please confirm that the Year & Month on the provided SD Card's label (this sample is 1005). The replacement's Year & Month label should be 1107 or later.

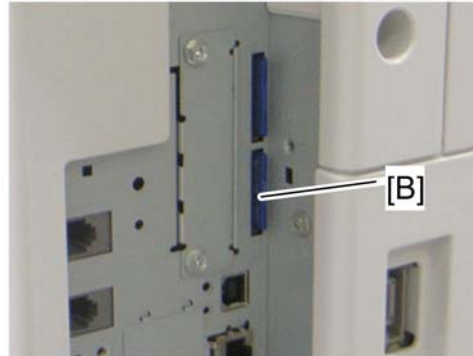
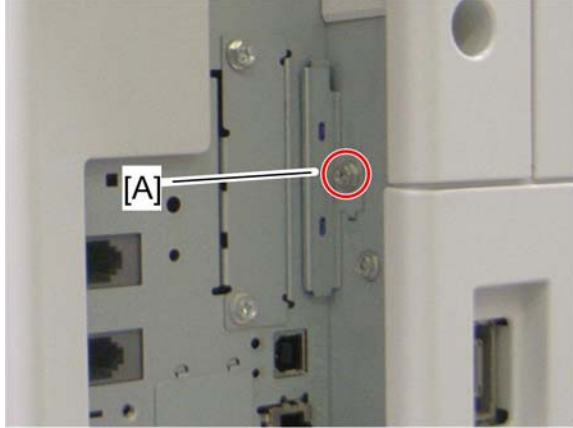


Year & Month (YYMM)


Java VM card replacement

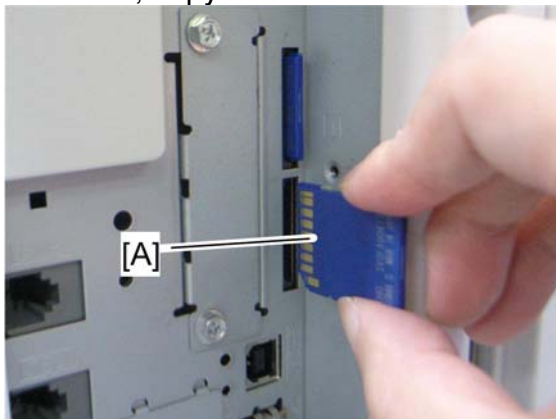
CAUTION

- Unplug the main machine power cord before you do the following procedure.




d104i119a

1. Remove the SD slot cover [A] for SD cards ( x 1).
2. Remove the existing VM card [B] from SD slot 2.
3. If the existing VM card [B] contains other SDK applications that do not require activation, copy them to the new VM card.

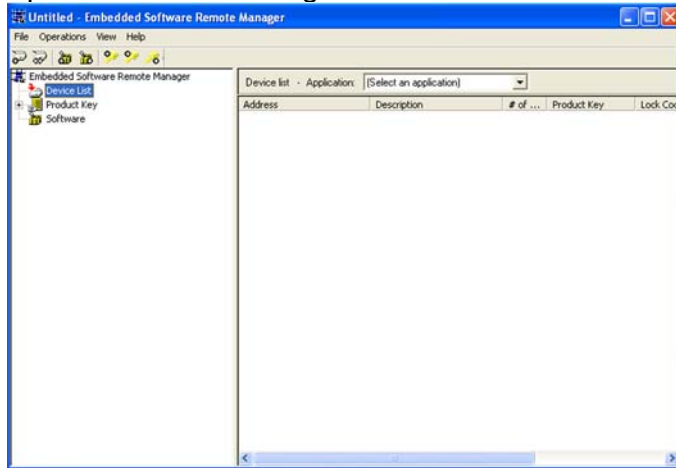


d104i204

4. Insert the new VM card [A] into SD card slot 2 so that the label faces the front of the machine. Push it in slowly until you hear a click.
5. Attach the SD slot cover ( x 1).
6. Make sure that the machine recognizes the SDK application(s).

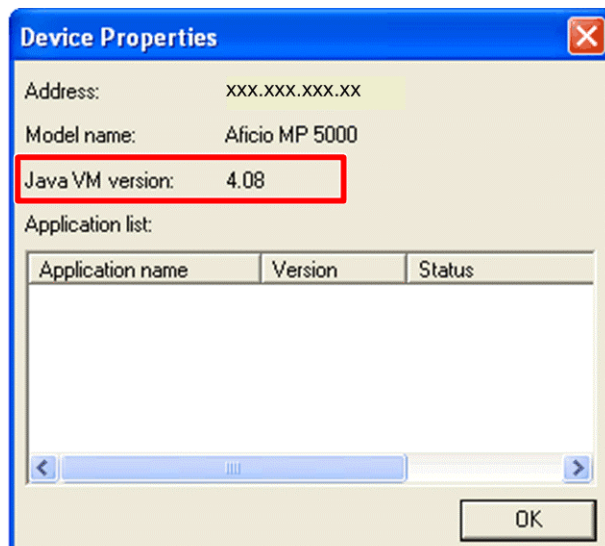
GlobalScan NX SDK application Installation (Continued)

1. Open "Remote Manager".



cav2i001

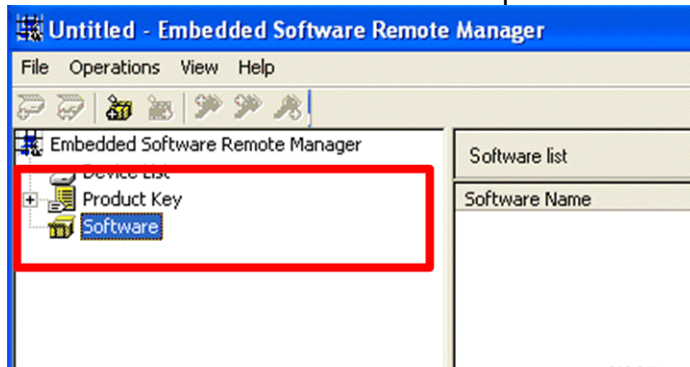
2. Open the Work state archive (filename.caz) which was saved after uninstalling the GSNX application.
3. Select the "View" menu and click "Refresh".
4. Open the Device Properties window to verify that the Java VM has been installed and is a supported version.
 - Device List > Operations > Properties
 - Device List > right-click the device > Properties



cav2i096

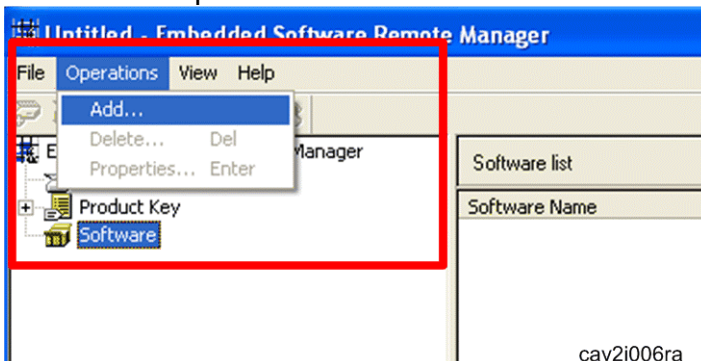
Adding a GSNX DSDK Application with the "Remote Manager"

5. Click the "Software" icon in the left panel.



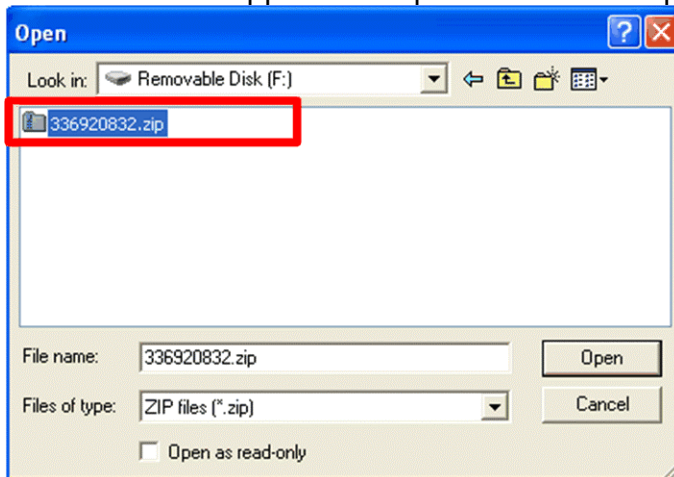
cav2i005a

6. Select the "Operations" menu and click "Add...".



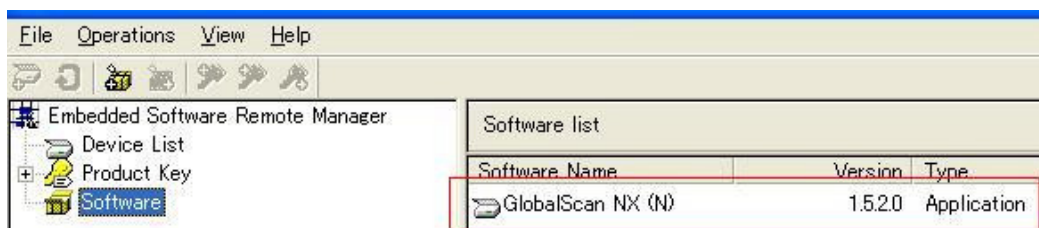
cav2i006ra

7. Select a DSDK application zip and click the "Open" button.



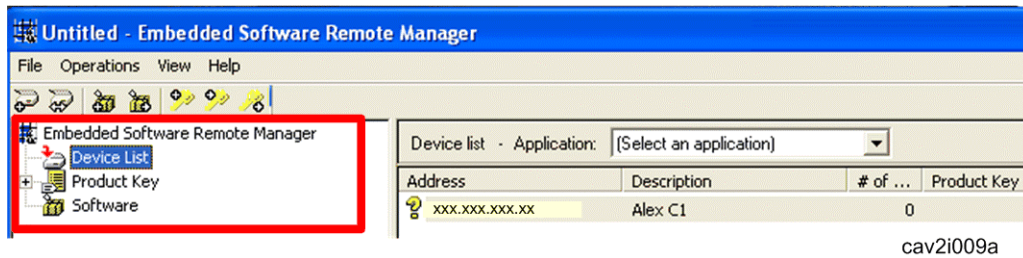
cav2i007

8. The software name and version number now appear in the "Software List".

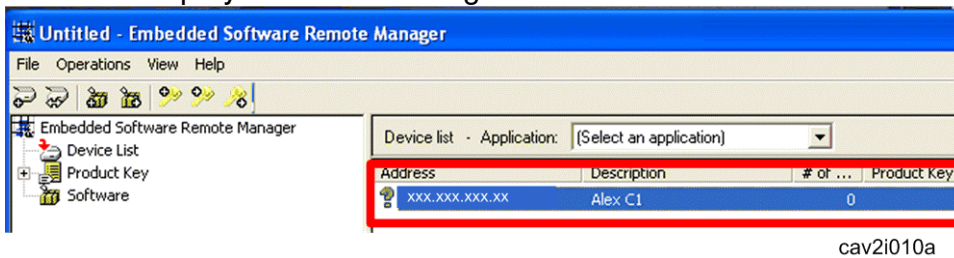


Installing the DSDK Application on the Target Machine

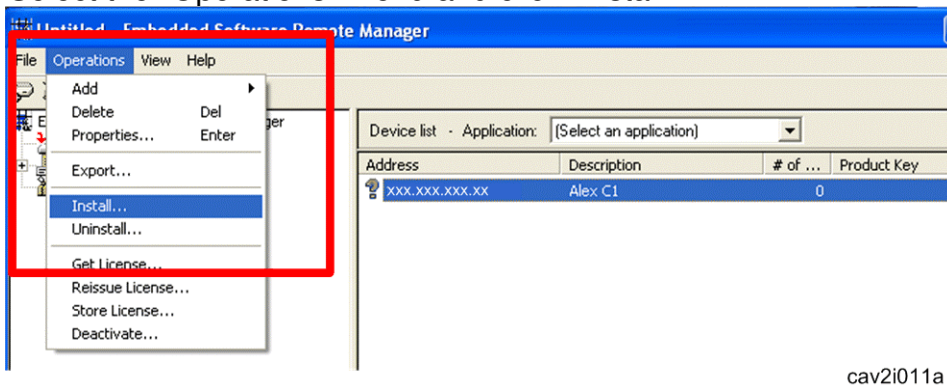
9. Click the "Device List" icon to return to the Device List.



10. Click the display name of the target machine on the "Device List".



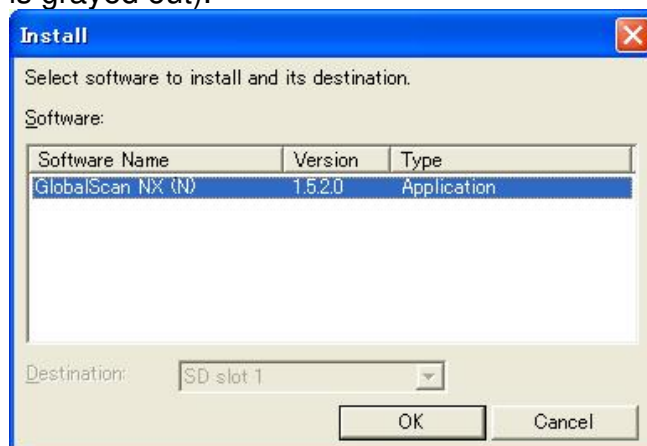
11. Select the "Operations" menu and click "Install...".



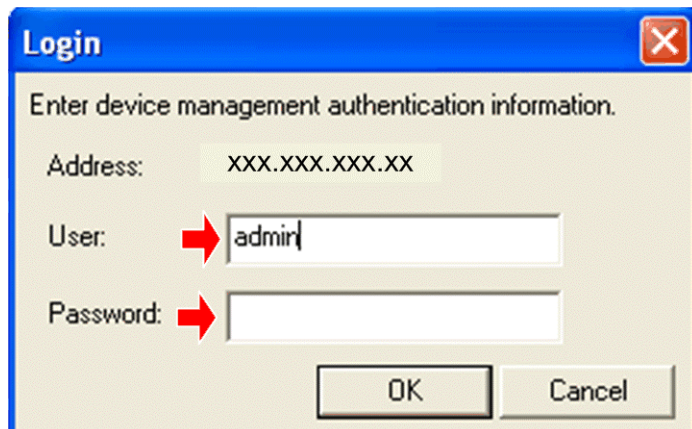
12. Select the software to be installed and the SD card slot where the VM card has been installed.



For some DSDK applications, selecting the slot is not required (drop-down window is grayed out).

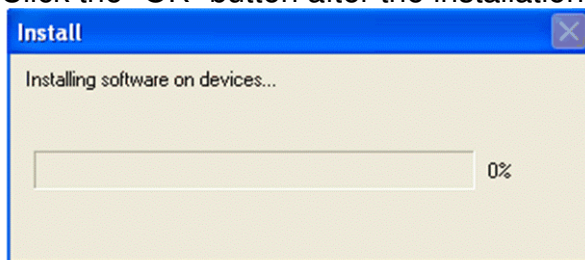


13. Click the "OK" button.
14. Input the machine administrator's user name and password.



cav2i013

15. Click the "OK" button.
16. Click the "OK" button after the installation completion screen has appeared.



cav2i014



cav2i015

Note

If internet connection is unavailable at customer site, please save this device status data as a Work state archive (filename.caz).

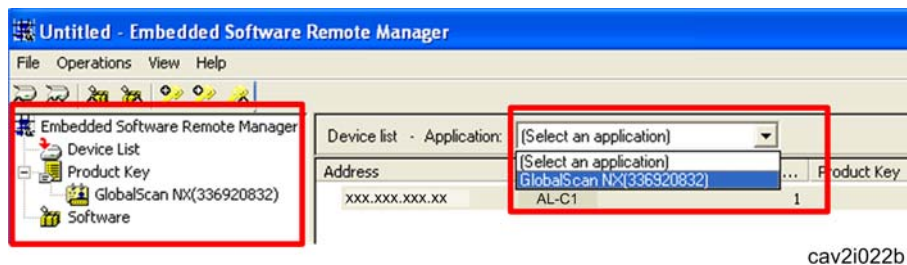
Reissue a License for the GSNX DSDK Application

Note

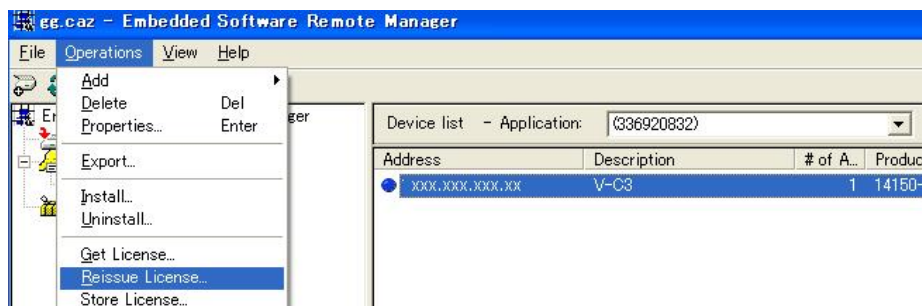
If you execute this step at a remote location, please perform the following steps first:

1. Open "Remote Manager".
2. Open the Work state archive (filename.caz) which was saved after installing the GSNX application.

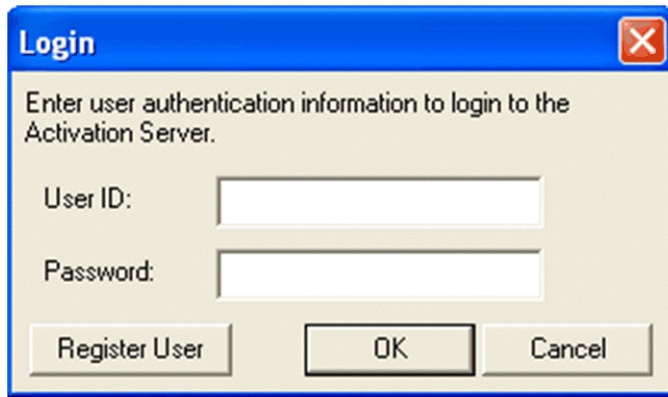
1. Click the "Device List" icon on the left panel.
2. Click the target device in the "Device List" panel (make sure it is highlighted).
3. Select the DSDK Application which is already installed from the "Application" drop-down window.



4. Select the "Operation" menu and click "Reissue License...".



5. Enter the "User ID and Password" registered with the activation server. Click the "OK" button.



cav2i025

6. Click the "OK" button once the license has been reissued successfully.

**Note**

If you are not working at the customer's site, please save the device status data as a Work state archive (filename.caz). Then, visit the customer with this caz file and proceed to the next step.

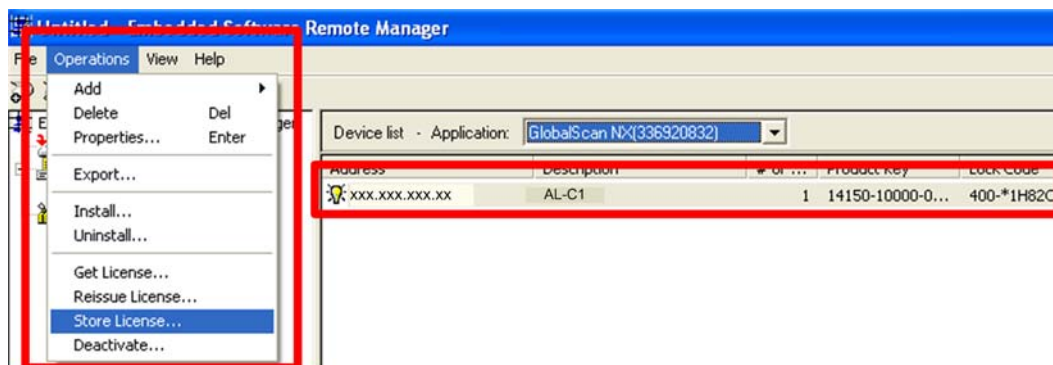
Storing a License in a Target Machine

Note

If the previous operation was done at a remote location, please perform the following steps first:

1. Open "Remote Manager".
2. Open the Work state archive (filename.caz) which was saved after reissuing the license(s).

1. The picture below shows the following:
 - The DSDK application has been installed in the target machine.
 - The product license for the selected DSDK application has already been obtained from the activation server.
2. Select the "Operation" menu item and click "Store License..." to store the product license in the target machine.



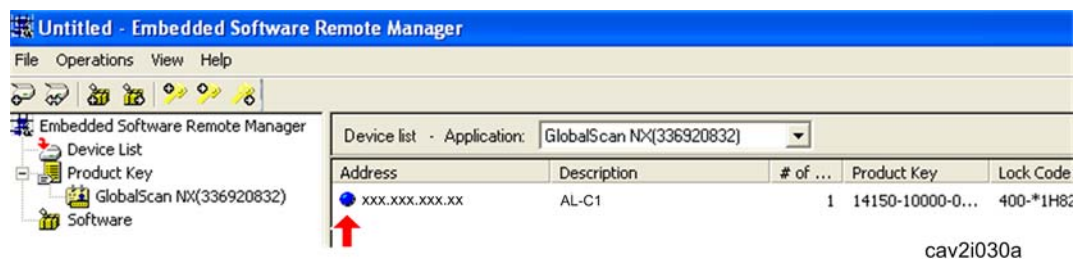
cav2i027ra

3. The "Store License" process runs and displays a notification box when it is completed.
4. Click the "OK" button.



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5. Make sure that the blue icon is displayed. It appears in the "Device list" when the DSDK Application is activated (license for the selected application has been stored in the target machine).



↓ Note

If any other icon except blue appears in the "Device list", check the icon appeared in the "Device List". And then retry this procedure.

6. Cycle the power on the target device.
7. Save this device's status as a Work state archive (filename.caz) after storing the license and ask a customer to keep it.
8. Select the "File" menu item, and then "Exit" to close "Remote Manager".

Other SDK application Installation

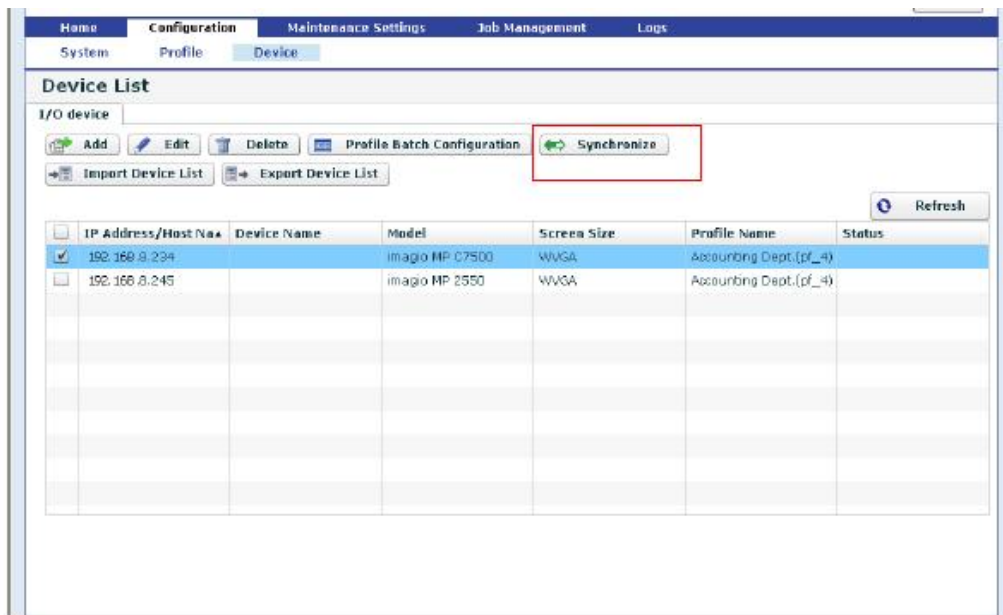
To install other SDK applications, please refer to the installation procedure provided for that application.

GlobalScan NX Synchronization

After the upgrade operation is finished, the devices must be synchronized with a Profile.

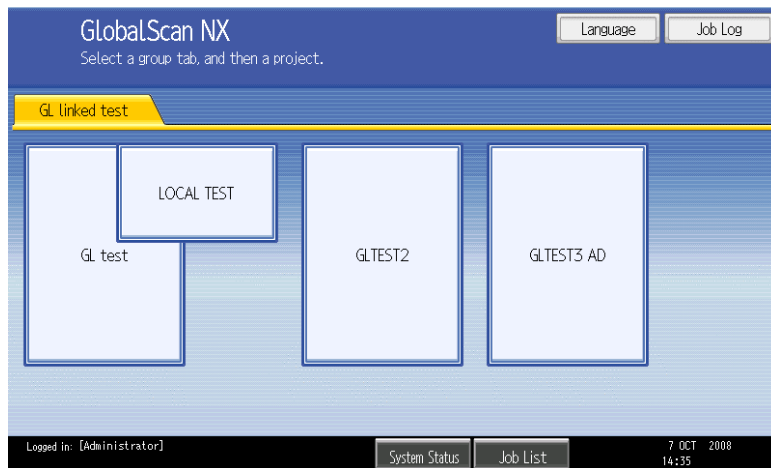
Procedure:

1. Access the Device List, which is located under the [Configuration] menu, [Device] tab.
2. Select the target MFP(s) to synchronize.
3. Click [Synchronize] and then [OK] to start the synchronization process.



Confirmation of Upgrade

Once synchronization finishes, access a synchronized device to verify that the profile was distributed correctly.



Appendix

A) Installed GlobalScan NX Edition Confirmation

Access Start>GlobalScan NX>Activation Tool



If your customer is using a Server Edition, you will find the installed server edition in the Activation List. If Serverless edition is installed, no entry appears in the Activation List. (The sample below shows that Enterprise Server Edition has been installed).



B) Secondary Delivery Server/Load Balance Server Confirmation

1) Check the System menu for the following two selections.

* If the settings are not available, these options are not used by that customer's environment.

2) If the above settings are available, please check to see if your customer is actually using them:

Secondary Delivery Server

If a Secondary server is used, this setting needs to be removed before upgrading the GlobalScan NX software. For the details, please refer to Appendix C.

Load Balance Server

Load Balance Member Server List	Previous Synchronization Date
http://192.168.0.10:8080/gsnx	11/28/2010 10:17:59

If a Load Balance server is used, this setting needs to be removed before upgrading the GlobalScan NX software. For the details, please refer to Appendix C.

C) How to disable Secondary Server/Load Balance Server settings

Note

This section also describes the basic process for upgrading the software installed on any Secondary Delivery or Load Balance servers.

Secondary Delivery Server.

Uncheck the [Use Secondary Delivery Server] check box.

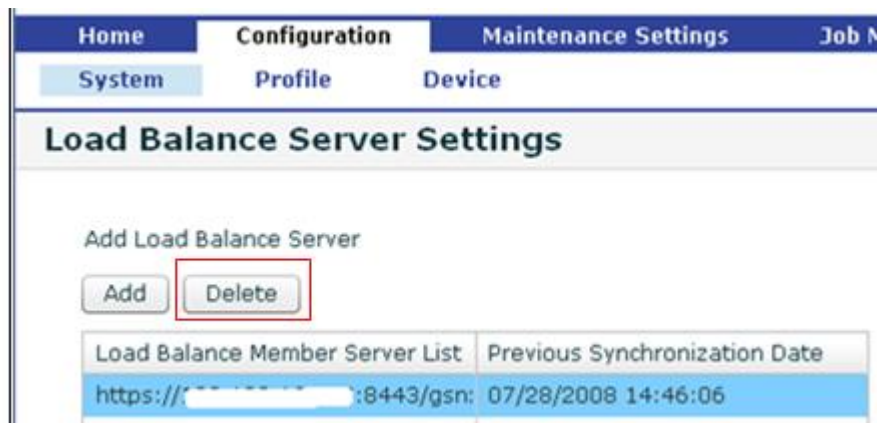


[Procedure for upgrading GlobalScan NX Software]

1. Perform overwrite data installation on the Secondary server.
2. Perform overwrite data installation on the Primary server.
3. Add the Secondary server to the Primary server.
4. Synchronize the Primary Delivery Server with the Secondary Server.

Load Balance Server

Remove the Load Balance Server(s) from the Load Balance Member Server list on the Primary server.

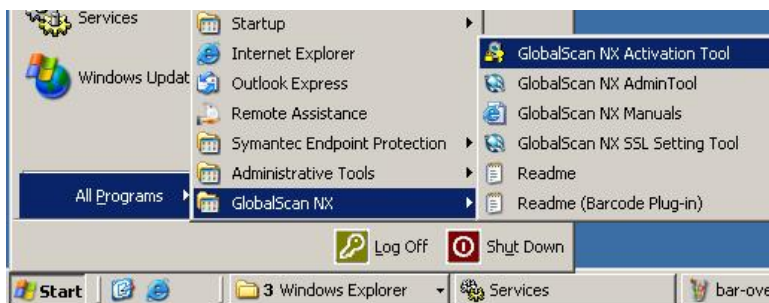


[Procedure for upgrading GlobalScan NX Software]

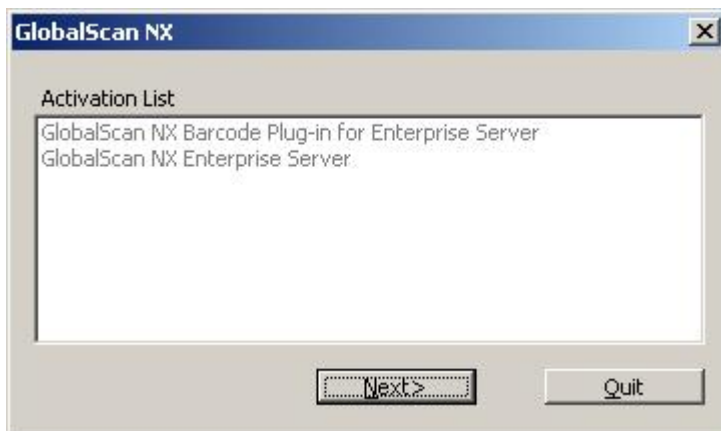
1. Perform overwrite data installation on the Load Balance server(s).
2. Perform overwrite data installation on the Primary server.
3. Add the Load Balance Server(s) to the Primary server.
4. Synchronize the Primary Delivery Server with the Load Balance Servers.

D) How to determine if Option Plug-ins are installed

Please run the GlobalScan NX Activation Tool.

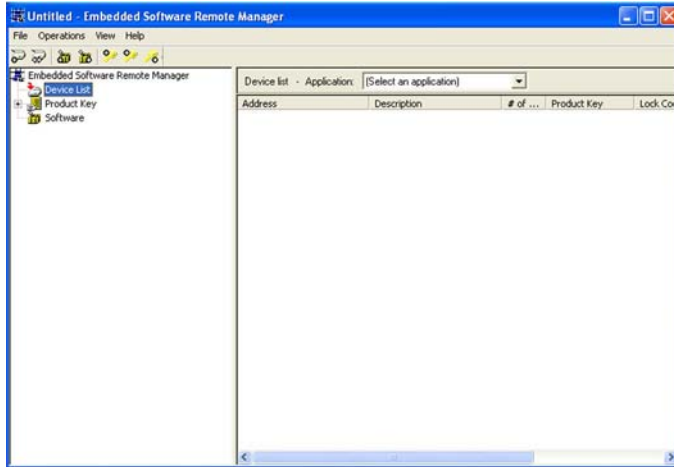


The Activation List shows the installed & activated option plug-ins. This sample image shows that the Barcode Plug-in has been installed.



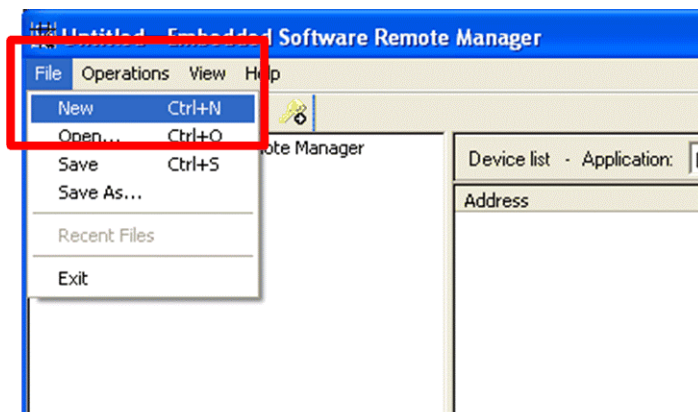
E) Retrieving Device Information without a Work State Archive

1. Open "Remote Manager".



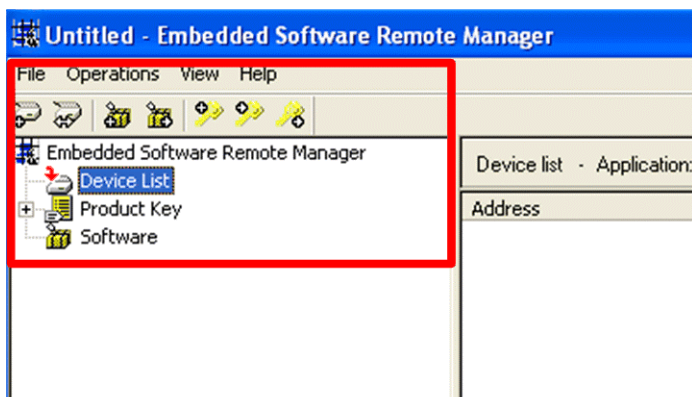
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2. If any previous settings appear on the screen, open the "File" menu and select "New" to refresh the screen.



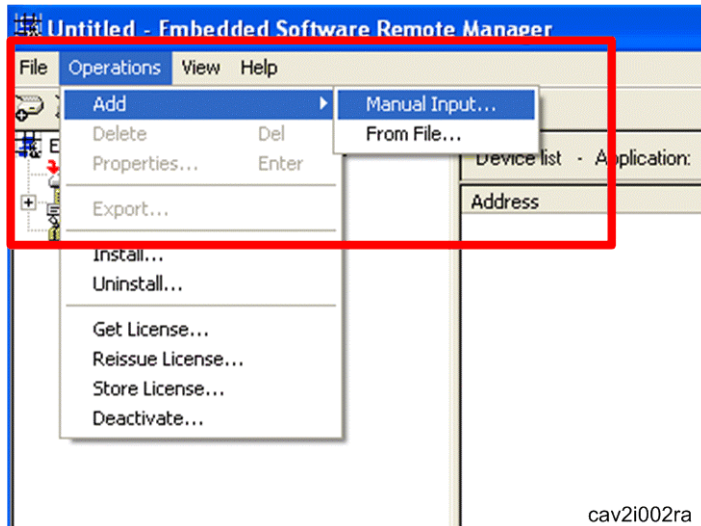
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3. Click the "Device List" icon on the left panel.

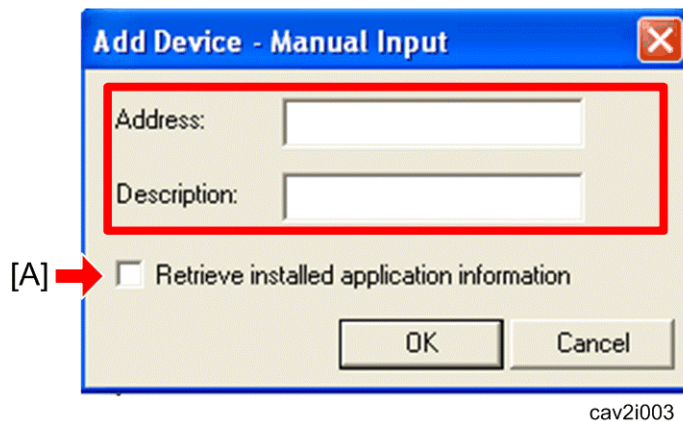


cav2i001a

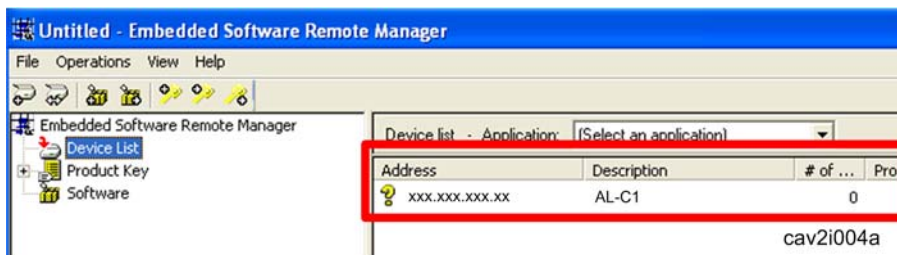
4. Open the "Operation" menu and click "Add" > "Manual Input...".



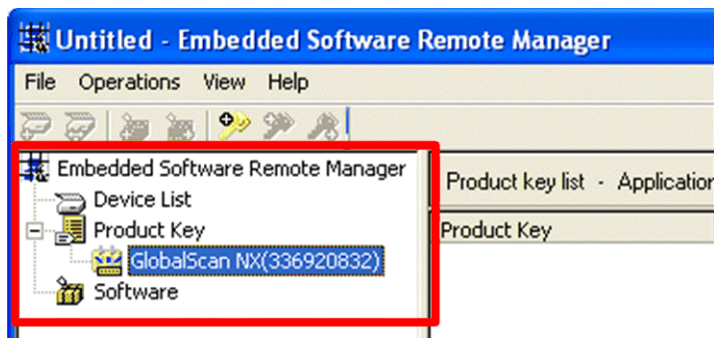
5. Enter the IP address or host name of the target machine and give a display name to the target machine (Description).
6. Select to retrieve the installed application information (check box [A]), and then click the "OK" button



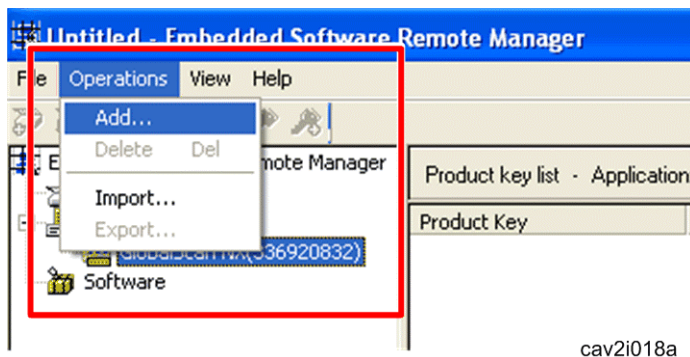
- The IP address or host name and description of the target machine now appears in the "Device List" panel.



- Click the "Product Key" icon on the left panel.
- Select the GSNX DSDK application (highlighted).



- Select the "Operation" menu and click on "Add...".



- Enter the "Product Key" which was used when activating the GSNX DSDK application.



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Reissued: 18-Oct-11

Model: XG-SD1	Date: 18-Dec-09	No.: RD420005e
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RTB Reissue

The items in bold italics have been corrected.

Subject: Release Note: GlobalScan NX (Lapnet Update Module)		Prepared by: T.Nihei	
From: MFP/Printer Tech Service Dept., 2nd Tech Service Sect.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Other (Firmware)	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the module release information for the **GlobalScan NX**.

This module is used for updating the GlobalScan NX SDK application from ver. 1.3.x using Remote Manager.

Version	Program No.	Effective Date	Availability of RFU
1.5.3.0	D4205181E	October 2011 production	-
1.5.2.0	D4205181D	June 2011 production	-
1.4.4.0	D4205181C	December 2010 production	-
1.4.2.0	D4205181B	August 2010 production	-
1.3.5.0	D4205181A	April 2010 production	-
1.3.4.1	D4205181	December 2009 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
1.5.3.0	<p>1) Device Support Changes</p> <ul style="list-style-type: none"> - GlobalScan NX Serverless/Business Server/Enterprise Server Edition V1.5.3.0 now supports the following devices: Aficio SP 5200S/Aficio SP 5210SF/Aficio SP 5210SR/ Aficio MP 2352SP/Aficio MP 2852SP/Aficio MP 3352SP <p>2) Specification Changes</p> <ul style="list-style-type: none"> - A "Batch Download Logs" button has been added to the AdminTool's Maintenance Settings. It is used to download different log types from the AdminTool and the selected devices in a batch operation. - NTLM authentication requests now use standard formatting. Previous versions used a different formatting that could be authenticated even if the time skew between GSNX and the authenticating server was great. <p>3) Fixed Issues</p> <ul style="list-style-type: none"> - Fixed: The Send to Email function does not send Notifications. - Fixed: Wide format paper sizes would not be displayed on the Scan Size tab after updating to V1.5.2.0. - Fixed: Garbage/useless data would be included in imported Profiles. If a single Profile went through multiple export-import cycles, it could

Reissued: 18-Oct-11

Model: XG-SD1	Date: 18-Dec-09	No.: RD420005e
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Version	Modified Points or Symptom Corrected																																																																																																																					
	<p><i>eventually cause SC997 on synchronization.</i></p> <ul style="list-style-type: none"> - <i>Fixed: 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.</i> <table border="1"> <thead> <tr> <th>GW ver.</th> <th>Model Code</th> <th>Firmware (System)</th> <th>Version</th> <th>Java VM (For Version-up)</th> <th>Version</th> </tr> </thead> <tbody> <tr> <td rowspan="4">05A models</td> <td>B222/B224</td> <td>B2215601S</td> <td>V1.70</td> <td rowspan="4">B8615200Q</td> <td rowspan="4">V2.15</td> </tr> <tr> <td>B230/B237</td> <td>B2385601X</td> <td>V1.71</td> </tr> <tr> <td>B246/B248/B249</td> <td>B2475101W</td> <td>V3.05</td> </tr> <tr> <td>D052/D053/D054</td> <td>B2475101W</td> <td>V3.05</td> </tr> <tr> <td rowspan="8">07A models</td> <td>D009/D012</td> <td>D0125751V</td> <td>V1.13</td> <td rowspan="4">D4135765M</td> <td rowspan="4">V4.24.03</td> </tr> <tr> <td>D011/D013</td> <td>D0135751V</td> <td>V1.13</td> </tr> <tr> <td>D014/D015</td> <td>D0145761N</td> <td>V1.12</td> </tr> <tr> <td>D017/D019</td> <td>D0195331P</td> <td>V1.17</td> </tr> <tr> <td>D018/D020</td> <td>D0205331P</td> <td>V1.17</td> <td rowspan="4">D5685765C</td> <td rowspan="4">V4.24.03</td> </tr> <tr> <td>D046/D049</td> <td>D0465749A</td> <td>V3.01</td> </tr> <tr> <td>D084/D085</td> <td>D0855751B</td> <td>V1.01</td> </tr> <tr> <td>D091/D092</td> <td>D0925751B</td> <td>V1.01</td> </tr> <tr> <td rowspan="3">08S models</td> <td>D023/D025</td> <td>D0255562V</td> <td>V1.24</td> <td rowspan="3">D4135765M</td> <td rowspan="3">V4.24.03</td> </tr> <tr> <td>D027/D029</td> <td>D0295562V</td> <td>V1.24</td> </tr> <tr> <td>D038/D041</td> <td>D0395521J</td> <td>V1.17</td> </tr> <tr> <td>08A models</td> <td>D062/D063/D065/D066</td> <td>D0625572H</td> <td>V1.19</td> <td>D4635200L</td> <td>V5.13.02</td> </tr> <tr> <td rowspan="2">09S models</td> <td>D067/D068/D069/D072</td> <td>D0675530D</td> <td>V1.02</td> <td rowspan="2">D4675200J</td> <td rowspan="2">V6.08.02</td> </tr> <tr> <td>D115/D116</td> <td>D1155530A</td> <td>V1.03</td> </tr> <tr> <td rowspan="2">09A models</td> <td>D081/D082</td> <td>D0815760D</td> <td>V1.03</td> <td>D0815792F</td> <td>V7.14.03</td> </tr> <tr> <td>D093/D094</td> <td>D0935605A</td> <td>V3.01</td> <td>D5065917D</td> <td>V7.14.03</td> </tr> <tr> <td rowspan="6">10S models</td> <td>D088/D089</td> <td>D0895562L</td> <td>V3.01</td> <td rowspan="2">D0895594E</td> <td rowspan="2">V7.14.03</td> </tr> <tr> <td>D086/D087</td> <td>D0875562L</td> <td>V2.01</td> </tr> <tr> <td>D104/D106</td> <td>D1055730F</td> <td>V2.01</td> <td>D1065743C</td> <td>V7.14.03</td> </tr> <tr> <td>M022/M024/M026/M028</td> <td>M0265771H</td> <td>V2.01</td> <td>M0265738D</td> <td>V7.14.03</td> </tr> <tr> <td>M052/M053/M054</td> <td>M0525771C</td> <td>V1.03</td> <td>M0525738A</td> <td>V7.13.03</td> </tr> <tr> <td>D120/D121/D122/D139/D140/D141</td> <td>D1205530A</td> <td>V1.04</td> <td>D1205565A</td> <td>V7.15.04</td> </tr> </tbody> </table>	GW ver.	Model Code	Firmware (System)	Version	Java VM (For Version-up)	Version	05A models	B222/B224	B2215601S	V1.70	B8615200Q	V2.15	B230/B237	B2385601X	V1.71	B246/B248/B249	B2475101W	V3.05	D052/D053/D054	B2475101W	V3.05	07A models	D009/D012	D0125751V	V1.13	D4135765M	V4.24.03	D011/D013	D0135751V	V1.13	D014/D015	D0145761N	V1.12	D017/D019	D0195331P	V1.17	D018/D020	D0205331P	V1.17	D5685765C	V4.24.03	D046/D049	D0465749A	V3.01	D084/D085	D0855751B	V1.01	D091/D092	D0925751B	V1.01	08S models	D023/D025	D0255562V	V1.24	D4135765M	V4.24.03	D027/D029	D0295562V	V1.24	D038/D041	D0395521J	V1.17	08A models	D062/D063/D065/D066	D0625572H	V1.19	D4635200L	V5.13.02	09S models	D067/D068/D069/D072	D0675530D	V1.02	D4675200J	V6.08.02	D115/D116	D1155530A	V1.03	09A models	D081/D082	D0815760D	V1.03	D0815792F	V7.14.03	D093/D094	D0935605A	V3.01	D5065917D	V7.14.03	10S models	D088/D089	D0895562L	V3.01	D0895594E	V7.14.03	D086/D087	D0875562L	V2.01	D104/D106	D1055730F	V2.01	D1065743C	V7.14.03	M022/M024/M026/M028	M0265771H	V2.01	M0265738D	V7.14.03	M052/M053/M054	M0525771C	V1.03	M0525738A	V7.13.03	D120/D121/D122/D139/D140/D141	D1205530A	V1.04	D1205565A	V7.15.04
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1.5.2.0	<p>1) Device Support Changes</p> <ul style="list-style-type: none"> - GlobalScan NX Serverless/Business Server/Enterprise Server Editions V1.5.2.0 now supports the following device: Aficio MP 201F/201SPF. <p>2) Specification Changes</p> <ul style="list-style-type: none"> - Users can now scan directly from the Metadata input screen. - A new Scan Method, "Mixed Batch," was added. - Support for PDF/A when using the Send To E-mail's Page Divide function. - LDAP Search results are now sorted. - Support for the UPN (username@FQDN) is now available when using Active Directory as the authentication method. - Please note that if the UPN's FQDN and the domain stored in the AD authentication profile do not match, the UPN's domain must be registered as a trusted domain. - NTLM v2 authentication is now supported for authenticating with a WebDAV server. 																																																																																																																					

Reissued: 18-Oct-11

Model: XG-SD1	Date: 18-Dec-09	No.: RD420005e
Version	Modified Points or Symptom Corrected	
	<p>3) Fixed Issues</p> <ul style="list-style-type: none"> - Fixed: Projects requiring authentication cannot be logged in to on 4-line MFPs, if the project was searched for by number. - Fixed: Users could attempt to login to the SDK application during synchronization. This would always fail, and is no longer possible. - Fixed: E-mail addresses that GSNX failed to deliver to (due to an invalid IP address for the SMTP server, etc.) are included in the Job Log's "Destination Address" column. - Fixed: A SFTP connection session remains even after the FTP delivery service completes delivery. - Fixed: Extra authentication information is included in imported profiles. - If the extra information builds up, it could eventually reduce performance when changing screens on the operation panel or SC997. <p>4) Other</p> <ul style="list-style-type: none"> - GSNX no longer writes data to the SD-Card as a part of log creation. - When the "Cancel" button is used to cancel a job in the job queue, the cancelled job is now moved to the error queue. 	
1.4.4.0	<p>1) Device Support Changes GlobalScan NX Serverless/Business Server/Enterprise Server Editions V1.4.4.0 now supports the following devices:</p> <ul style="list-style-type: none"> - Aficio MP C300/C400/C4501/C5501/C3001/C3501/C2051/C2551/W2401/W3601 <p>The Aficio MP C300/C400 does have a limitation:</p> <ul style="list-style-type: none"> - GSNX v1.4.4.0 can only scan A4/Letter landscape documents on the Aficio MP C300/C400. <p>2) Specification Changes</p> <ul style="list-style-type: none"> - It is now possible to select the location where the output of the Metadata Replacement filter is saved. - SDK application version information and other data are now written to the GSNX system log when the MFP starts up. <p>3) Fixed Issues Fixed: Exported Replacement Tables that contain a comma in the Comparison Target String are not imported correctly.</p>	
1.4.2.0	<p>---- Changes from GlobalScan NX Lapnet Edition ver. 1.3.5.0 ----</p> <p>1) Device Support Changes GlobalScan NX Serverless/Business Server/Enterprise Server Editions V1.4.2.0 now supports the following devices:</p> <ul style="list-style-type: none"> - Be-C1 — N-G3 <p>2) Specification Changes A hardware key can now be used to access the project search function on the Model Aficio MP 171SPF/LD117SPF/917SPF. The GlobalScan NX icon is now displayed on the Extended Features screen. The Activation Tool can now be used to activate the Kerberos option. The Kerberos option is now supported for use with GSNX Serverless.</p>	

Reissued: 18-Oct-11

Model: XG-SD1	Date: 18-Dec-09	No.: RD420005e
---------------	-----------------	----------------

Version	Modified Points or Symptom Corrected
	<p>“Passwordless Authentication” (Active Directory and LDAP) has been added as an authentication method. A confirmation dialogue now appears when a scan job completes. Wide format paper sizes have been added to scan settings menu. “Continue flow without performing replacement” has been added to the “Select Action when Table Data does not Match” menu. A log entry is recorded in the Syslog when the metadata replacement filter does not match. The tag “JIS” has been added to the “Bx” paper size.(eg; B4 JIS) The dayofweek and generationDate(Local) metadata fields have been added. The Error Queue now supports batch downloading of error images. The IP address field of the device list now links to each registered device's Web Image Monitor. A Plug-in Information page has been added to the AdminTool. “Logical Division (Join Automatically)” has been added as an e-mail attachment Size Divide option. Support for PDF/A has been added to the PDF Converter. The user's home folder and email address can now be retrieved from an authentication server that is not used for the authentication profile. The total number of entries for the replacement table has been raised from 1000 to 2000. New fax templates for fax delivery based on day of the week or time are available for installation with the other project templates.</p> <p>3) Fixed Issues Fixed: When logging in to the project without a password, delivery fails if scan to home folder is used. Fixed: The Operation panel locks as a result of logging out via the logout key while a dialog box is displayed. Fixed: LDAP server address search fails if the DN of the login user is required when attempting email delivery. Fixed: The Start key turns red and cannot be pressed if the project only contains Flow Redirect and was restored from a profile created by GSNX v1.3.4.0 or earlier. Fixed: The Start key would turn green when the error dialog that appears when the same password is input as both the user and master passwords for the PDF conversion filter is closed.</p>
1.3.5.0	<p>1) Device Support Changes GlobalScan NX Serverless/Business Server/Enterprise Server Editions V1.3.5 now supports the following devices: - Model V-C3</p> <p>2) Specification Changes Support for Windows 7 Ultimate/Enterprise/Professional Edition has been added. However, Windows 7 is only supported by GlobalScan NX Serverless Edition V1.3.5.0.</p> <p>3) Fixed Issues Fixed: A communication error occurs while using GlobalScan NX's AdminTool.</p>
1.3.4.1	<p>1) Specification Changes The name and description shown on the MFP's Extended Feature Settings screen has been changed to the following: - Name: “GS-NX” (This name is also displayed when the MFP function button assigned to GSNX is pressed.) - Description: “GlobalScan NX (L)”</p> <p>2) Fixed Issues Fixed: When restoring backup data created by GSNX Serverless Edition on GSNX Server Edition, PDF user/master passwords stored in the PDF Converter Plug-in will not be restored.</p> <p>Fixed: Home folders cannot be selected as a destination for projects that add a new Send to Folder</p>

Reissued: 18-Oct-11

Model: XG-SD1	Date: 18-Dec-09	No.: RD420005e
Version	Modified Points or Symptom Corrected	
	Plug-in when "Enable Send to Home Folder" is activated by default in the System Settings or Profile Properties.	

Reissued:18-May-12

Model: GlobalScan NX	Date: 02-Sept-11	No.: RD420012a
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RTB ReissueThe items in ***bold italics*** have been corrected.

Subject: GlobalScan NX Update Guide		Prepared by: Masaaki Horikoshi	
From: Global Technology Support Department			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input checked="" type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input type="checkbox"/> Other ()	<input type="checkbox"/> Tier 2

This RTB has been issued to announce the release of the GlobalScan NX update guide for the MIF replacement required by the SD-Card failure and potential data loss issue.

Note

This guide has been prepared for RAC, RE and RCN. It is not intended for use by RA.

GlobalScan NX Update Guide (Without Activation)

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

Abstract

Notification

This document is written based on the understanding that GSNX is already installed and working. As described in the “GlobalScan NX Installation/Uninstallation/Update Guide”, this means:

- Any required Hardware Options are attached (Optional Memory, etc.)
- The Heap/Stack Size settings configured correctly:

GlobalScan NX	CAP	ELP-NX	Required Heap Size
Yes	-	-	Default Setting
Yes	Yes	-	16 MB
Yes	Yes	Yes	16 MB

- The Auto Off Timer is set to 5 minutes or longer.

Preparation

Please review the customer’s environment before starting the update. Information that should be reviewed and confirmed is as follows:

Customer Models

- Java VM cards
- Latest System FW

GSNX Edition (Server/Serverless)

FAX function is used or not.

Other installed SDK applications

- If the customer uses an SDK application that requires activation (such as CAP), please prepare the object and a new product key in advance.
- Please confirm that the installed version of CAP is compatible with GSNX. For details, refer to the following table:

	CAP V1.4	CAP V2.0
GlobalScan NX V1.5	OK	OK

Note

- If you already have the customer’s details, and are sure there are no mistakes, you can perform the “New Java VM card preparation” section at your office. This would reduce the amount of time spent at the customer site.

Procedure (Outline)

1. (If fax function is used) change the Reception File Setting from Store to Print in the Facsimile Features menu.
2. Update the GSNX PC application and optional plug-ins.
3. Replace the VM card. There are 2 procedures for installing the GSNX SDK application:
 - A: Write the SDK application to the new Java VM SD card in advance.
 - B: Use Remote Manager after replacement.Also, install other SDK applications which don't require activation at this time.

 **Note**

This step can be performed before visiting the customer (see the "preparation" section).

4. Install the GSNX SDK application.
5. Install other SDK applications which require activation.
6. Synchronize the GSNX profiles with the devices.
7. Confirm the MFPs profile is distributed properly.
8. (If fax function is used) restore the Reception File Setting from Print to Store in the Facsimile Features menu.

 **Note**

To avoid unexpected trouble, do not synchronize the PC application with the SDK application until after the SDK application is upgraded.

 **Note**

If you are already familiar with the procedures required by the above steps, you do not need to continue using this document.

Released Objects for Field Replacement Program

Use the following versions for Field Replacement for SD card corruption:

PC application: V1.5.4 or V1.5.4.2. (Standard product module)

SDK application: V1.5.4.4 (non activation module)

Released Non-activation Embedded (SDK) Modules & Server Compatibility:

- V1.5.2 and V1.5.3 were released for initial field replacement for the SD-card corruption issue.
- V1.5.4.4 is for the remaining field replacements.
- V1.5.4.2 SDK application is compatible with PC application V1.5.2 and V1.5.3. However, supported functionality is based on the PC application version. This means that new functionality added in v1.5.4 is not available if the PC application is V1.5.2 and V1.5.3.

		Embedded Module (SDK application)		
		V1.5.2 (Do not use)	V1.5.3 (Do not use)	V1.5.4.2
Corresponding Standard Product Version		V1.5.2	V1.5.3	V1.5.4.2
Product ID		336921056	336921056	336920832
Server Module (PC application)	V1.5.2	YES	NO	YES
	V1.5.3	YES	YES	YES
	V1.5.4	YES	YES	YES
	V1.5.4.2	YES	YES	YES

Note1: V1.5.2 is the initial release of V1.5.x.

Note2: V1.5.4 and V1.5.4.2 of the SDK application are not released in non-activated versions.

Note3: V1.5.4 of the PC application is released as a full installer (supports both new and upgrade installations).

Note4: V1.5.4.2 of the PC application is released only as an update program (upgrade installation only).

Note5: V1.5.4 and V1.5.4.2 of the PC application have no functional differences.

Non-activation V1.5.2/V1.5.3 Product ID issue:

A problem has been discovered in the non-activation version of V1.5.2 and V1.5.3.

 **Note**

See the “**Problem: Directly moving from a 3rd party application to GSNX may not work.**” section for problem details and required action.

How to Select Replacement Modules:

- For ongoing replacement activities, please use V1.5.4.x for replacement, as described above.
- If the Product ID issue is occurs, update the SDK application to V1.5.4.2 (non-activation).
- Standard (activation required) v1.5.x doesn't require further replacement.

Customer's Version		Product ID	Affected By	Replacement Server Module	Replacement Embedded Module
V1.4.4 or earlier	Standard	336920832	SD Card Corruption	V1.5.4 V1.5.4.2	V1.5.4.2
V1.5.2	Standard	336920832	None	Not Required	Not Required
	Non-Activation	336921056	Product ID issue	Not Required	V1.5.4.2
V1.5.3	Standard	336920832	None	Not Required	Not Required
	Non-Activation	336921056	Product ID issue	Not Required	V1.5.4.2
V1.5.4 V1.5.4.2	Standard	336920832	None	Not Required	Not Required

Target MFP models and supported VM versions

For each MFP model, make sure to install the following or newer VM version.

Model Code	Java VM Parts Number	Version	Firmware (System)	Version
B222/B224	B8619900	V2.15	B2215601S	V1.70
B230/B237	B8619900	V2.15	B2385601X	V1.71
B246/B248/B249	B8619900	V2.15	B2475101W	V3.05
D052/D053/D054	B8619900	V2.15	B2475101W	V3.05
D009/D012	D3779900	V4.23	D0125751V	V1.13
D011/D013	D3779900	V4.23	D0135751V	V1.13
D014/D015	D3779900	V4.23	D0145761N	V1.12
D017/D019	D3779900	V4.23	D0195331P	V1.17
D018/D020	D3779900	V4.23	D0205331P	V1.17
D046/D049	D3779900	V4.23	D0465749A	V3.01
D084/D085	D3779900	V4.23	D0855751B	V1.01
D091/D092	D3779900	V4.23	D0925751B	V1.01
D023/D025	D4309900	V4.23	D0255562V	V1.24
D027/D029	D4309900	V4.23	D0295562V	V1.24
D038/D041	D4309900	V4.23	D0395521J	V1.17
D062/D063/D065/D066	D4639900	V5.12	D0625572H	V1.19
D067/D068/D069/D072	D4679900	V6.07	D0675530D	V1.02
D115	D4679900	V6.07	D1155530A	V1.03
D081/D082	D0819901	V7.09.3	D0815760D	V1.03
D093/D094	D5069900	V7.09.3	D0935605A	V3.01
D088/D089	D0899900	V7.09.3	D0895562J	V2.05
D086/D087	D0899900	V7.09.3	D0875562H	V1.05
D104/D106	D1069900	V7.09.3	D1055730D	V1.02
M022/M024/M026/M028	M0269900	V7.09.3	M0265771F	V1.04

GlobalScan NX PC Software Upgrade

Pre-Check

Before upgrading the PC Software, please check the following:

- #1. Is Serverless Edition installed? [Yes, No]
 - #1.1. If Yes, does the customer want the job/error log saved? [Yes, No]
- #2. Is the Load Balance or Secondary Delivery Server function used? [Yes, No]
- #3. Are any Optional Plug-ins installed? [Yes, No]
 - #3.1. If Yes, is the MS SharePoint Server plug-in installed? [Yes, No]

Note

Try to get the answers from the customer. If this is not possible, check them yourself using the procedures described in Appendix A-D.

Procedure

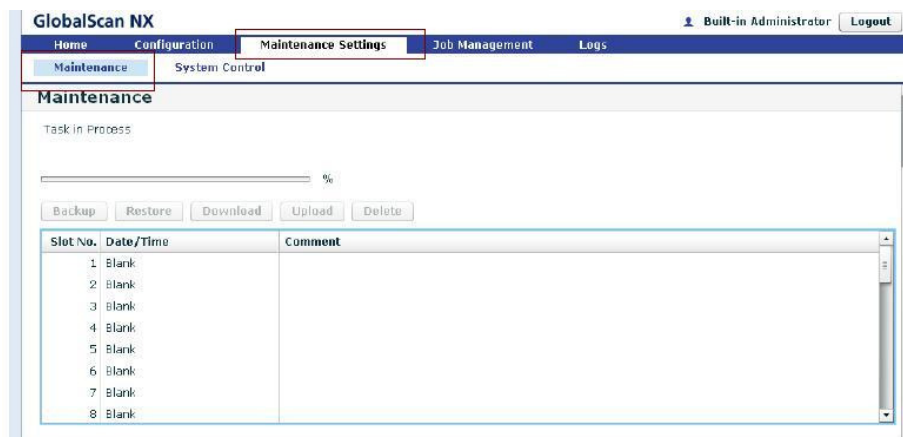
Note

Steps **1**, **2**, **3** and **8** (in Bold) are mandatory. The other steps are optional.

- 1. Perform a Manual Backup (for safety).**
- 2. Download a Backup File (for safety).**
- 3. Export a Device List (for safety).**
4. (If #1.1 is "Yes") export the System Log and Job Log.
5. (If #1.1 is "Yes") download the Error jobs.
6. (If #2 is "Yes") disable the Secondary Delivery Server/Load Balance settings.
7. (If #3.1 is "Yes") uninstall the MS SharePoint Server Plug-in.
- 8. Upgrade the GlobalScan NX Software.**
9. (If #3 is "Yes") upgrade the GlobalScan NX Optional Plug-ins.

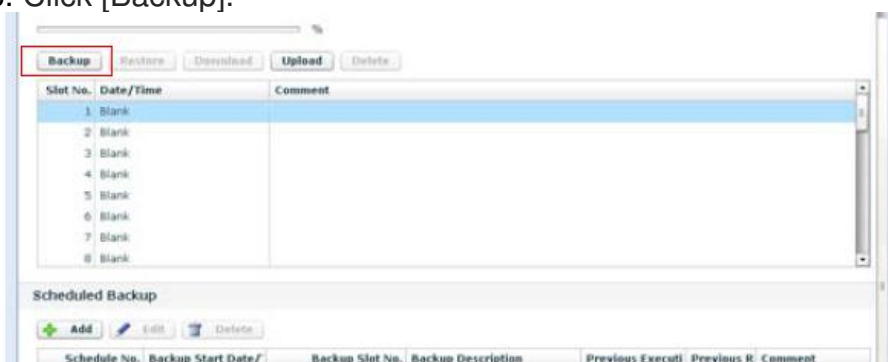
1. Perform a Manual Backup (for safety)

1. The Backup menu is available from the [Maintenance] tab of the [Maintenance Settings] screen.



2. Select (highlight) a slot.

3. Click [Backup].



4. A message will appear with a [Comment] field. Enter a comment if desired, and then click [OK]. Another message will be displayed indicating that the Backup operation was successful.

5. Click [OK]. The newly-created backup file will have been added to the list.



2. Download a Backup File (for safety)

1. Select the backup data you created in the previous section.

2. Click [Download].

You can set a password to protect the backup file. If entered, this password will be required when the backup file is uploaded. Only alphanumeric characters can be used for the password.

3. If using a password, please enter it twice.



The image shows a 'Download' dialog box with the following elements:

- Title:** Download
- Icon:** Information icon (i)
- Text:** Confirm
- Question:** Do you want to download?
- Fields:**
 - Password: [Text input field]
 - Confirm Password: [Text input field]
- Buttons:** OK, Cancel

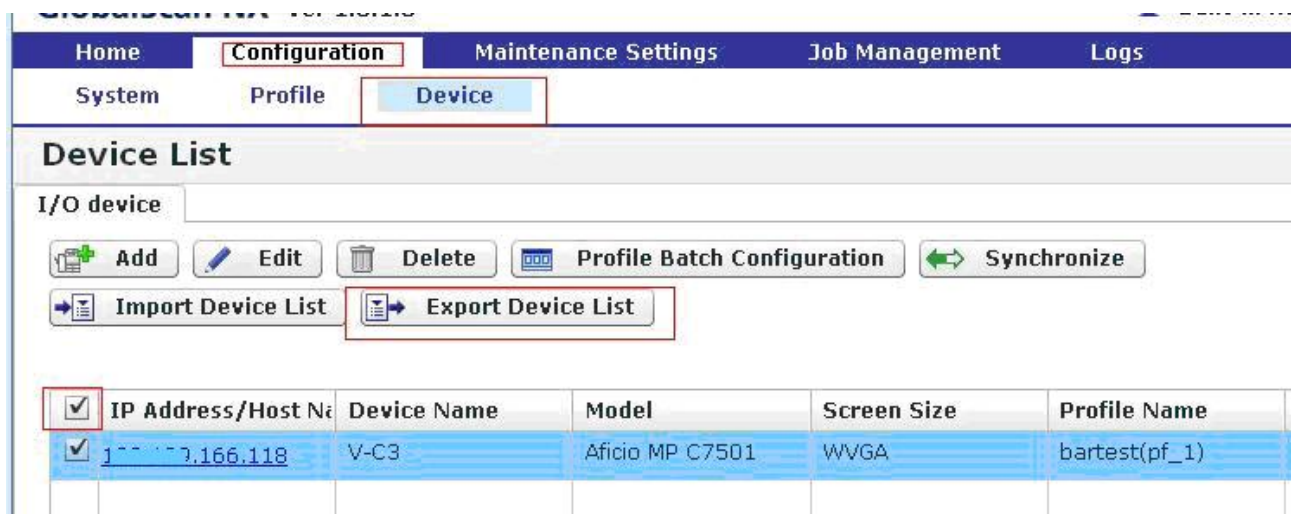
4. Save the backup file to the desired location.

A message will appear indicating that the download operation was successful.

3. Export the Device List (for safety)

Please export the current device list.

To export the device list, please click the “Export Device List” button after selecting all registered devices.



The screenshot shows the 'Device List' interface with the following components:

- Navigation:** Home, Configuration (selected), Maintenance Settings, Job Management, Logs.
- Sub-navigation:** System, Profile, Device (selected).
- Section Header:** Device List
- Sub-section:** I/O device
- Buttons:** Add, Edit, Delete, Profile Batch Configuration, Synchronize, Import Device List, Export Device List (highlighted).
- Table:**

<input checked="" type="checkbox"/>	IP Address/Host Name	Device Name	Model	Screen Size	Profile Name
<input checked="" type="checkbox"/>	10.10.10.166.118	V-C3	Aficio MP C7501	WVGA	bartest(pf_1)

4. Export the System Log and Job Log (Serverless Edition Only)

Note

This step can be skipped if Server Edition is used.

If your customer wants to save the MFPs' Job and System Logs, please export them. Do not forget to export them from all target MFPs.

Procedure:

1. Open the Log screen, select the desired log, and then select a target device (MFP) by clicking the displayed device name to open a device selection dialog.
2. Click the "Refresh" button to update the log.
3. Click the Export button and input a file name.

Recorded Date/Time	Level	Job ID	Error Code	Error Message	Action Message	Remarks
05/31/2011 10:14:24	ERROR	67c3559	54010003	Failed to deliver the data to th		smb error occurs
05/31/2011 10:11:23	ERROR	67c3559	54010003	Failed to deliver the data to th		smb error occurs
05/31/2011 10:08:22	ERROR	67c3559	54010003	Failed to deliver the data to th		smb error occurs
05/31/2011 10:05:21	ERROR	67c3559	54010003	Failed to deliver the data to th		smb error occurs
05/31/2011 10:05:00	INFO		40200112	Synchronization has succeede		IP address : 133

5. Download the Error jobs (Serverless Edition Only)

Note

This step can be skipped if Server Edition is used.

If your customer wants to save the image data of jobs stored in the MFPs' error queue, please download those to the PC's HDD. Do not forget to download from all target MFPs and to check both the Scan and Fax error queues.

Procedure:

1. Open the Job Management screen, select the Error Queue, and then select a target device (MFP) by clicking the displayed device name to open a device selection dialog.
2. Click the "Refresh" button to update the queue.
3. Select the jobs to download.
4. Click the "Download" button and input the file name.

Home Configuration Maintenance Settings **Job Management** Logs

Job Queue **Error Queue**

Error Queue V-C3(192.168.0.10) Auto

1 logs

scan fax

<input checked="" type="checkbox"/>	Generation Date	Last Refresh Date	Job ID	Status	No. of R	Project Name	User Name	Document
<input checked="" type="checkbox"/>	05/31/2011 10:05:19	05/31/2011 10:14:24	67c3559	error	3	aa		201105310

6. Disable Secondary Delivery Server/Load Balance settings (Option)

Note

This step can be skipped if Secondary Delivery Server/Load Balance Server is not used.

If the customer is using Secondary Delivery Server /Load Balance settings, you need to disable this setting before update the GlobalScan NX software. For the details, please refer the Appendix D

7. Uninstall MS SharePoint Server Plug-in (Option)

Note

This step can be skipped if SharePoint Server Plug-in is not installed.

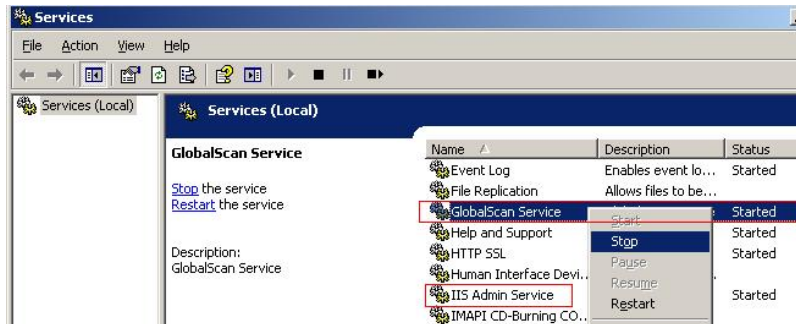
If the customer is using MS SharePoint Server Plug-in, you need to uninstall this plug-in before update the GlobalScan NX software. Uninstallation can be performed by [Start] > [Control Panel] > [Add/Remove Programs]

Note

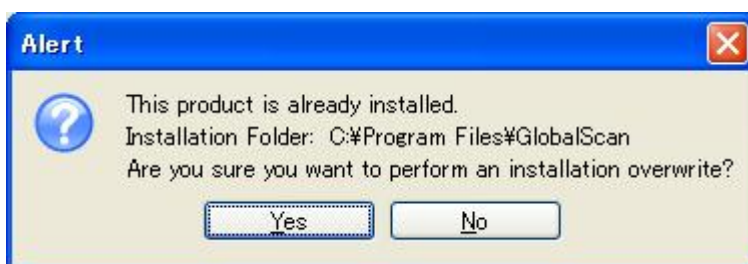
- Uninstallation is required when upgrading the MS SharePoint Server plug-in from v1.4.4 or earlier to v1.5.x

8. Upgrade GlobalScan NX (PC application)

1. Close all applications currently running on your computer.
2. Stop the GlobalScan Service.



3. If you are using IIS as the web server, stop the IIS Admin Service.
4. Insert the media containing the GlobalScan NX installer into the computer.
5. The GlobalScan NX Start screen displays.
 - If AutoRun does not start the installer, search for and run "RDLaunch.exe".
6. Select the software you wish to install: Serverless Edition [AdminTool] or Server Edition [Application & AdminTool].
7. The language selection screen appears.
8. Select the desired language, and then click [OK].
9. An alert will appear. Please click [Yes] to confirm overwrite installation.



10. A welcome screen is displayed.

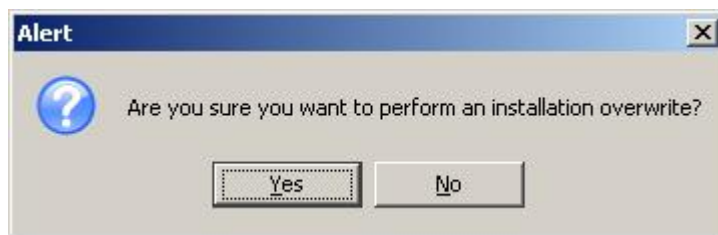
11. Click [**Next**].

12. Read the licensing agreement, and then select “**I accept...**”.

13. Click [**Next**].

14. Enter a password to be used for the built-in user, and then click [**Next**].

15. Final confirmation for the overwrite installation appears.



16. Click [**Yes**] to start installation.

9. Upgrade GlobalScan NX Option Plug-ins (if necessary)

Note

This step can be skipped if no option plug-in is installed.

If your customer is using GSNX Option Plug-in(s), please update them to the newest version. The newest versions are packaged with the GSNX installer.

To find installed plug-ins, please refer Appendix D

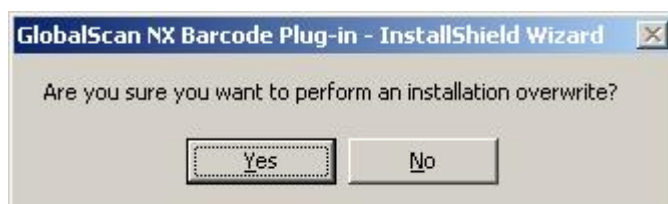
Installation Procedure

Suspend the Delivery Service.

The screenshot shows the GlobalScan NX web interface. At the top right, the status is 'Running' and the user is 'Built-in Administrator'. The main navigation bar includes 'Home', 'Configuration', 'Maintenance Settings', 'Job Management', and 'Logs'. Below this, there are three main sections: 'System', 'Profile', and 'Device'. An arrow points from the 'Profile' section to a detailed view of the 'System Control' page. In this view, the 'Delivery Service Status' is 'Running' and there is a 'Refresh' button. A red box highlights the 'Switch Delivery Service Status' button.

Please run the plug-in's installer.

During the installation, a confirmation window for the overwrite installation appears. Please click [Yes] to continue the installation.



Update System FW

Please update each MFP's system firmware to the latest version. We recommend using Remote Firmware Update if the customer has several models of MFPs in the office.

Replacement Java VM card preparation

GlobalScan NX (without Activation)

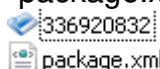
As GSNX non activation module for MIF replacement doesn't require activation, simply copying the GSNX SDK application to a Java VM card will work. If possible, we recommend preparing the required VM cards in advance (**Procedure A; 4-line LCDs are not supported**).

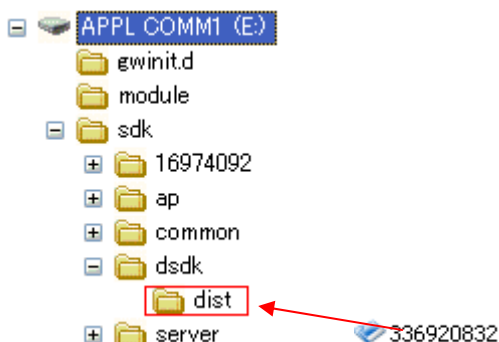
Otherwise, please use RemoteManager (**Procedure B**).

Copy the GSNX SDK application to the Java VM card (Procedure A):

Note

- This method is not usable with 4-line LCD models due to the limited display capabilities.

- Copy the GlobalScan NX SDK application to your PC.
- Unzip the GlobalScan NX SDK application file creates the **"336920832"** folder and "package.xml" file.
 
- Insert a VM card to a Panasonic SD Card Reader/Writer that is connected to the PC. Open the VM card and copy the **"336920832"** folder to the "dist" folder (sdk/dsdk/dist) of the VM card, as shown below.



- Remove the VM card from the Panasonic SD Card Reader Writer.

Move other SDK applications (without Activation)

If the customer uses other SDK applications which do not require activation, those applications should work simply by copying from the existing VM card to the new VM card. See each application's installation guide for details.

SD-Card Production Date Confirmation

Please confirm that the Year & Month on the provided SD Card's label (this sample is 1005). The replacement's Year & Month label should be 1107 or later.

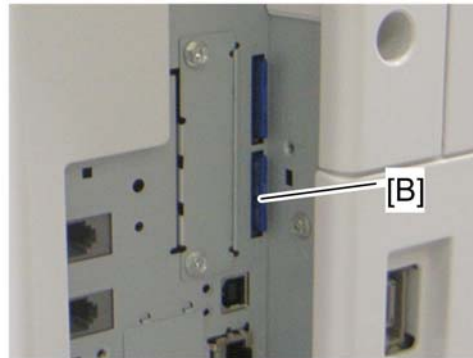
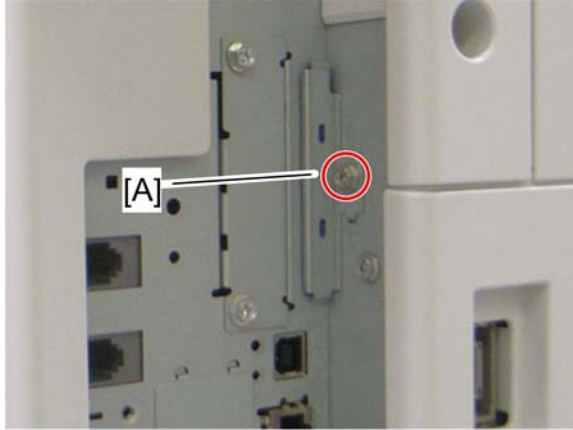


Year & Month (YYMM)


Java VM card replacement

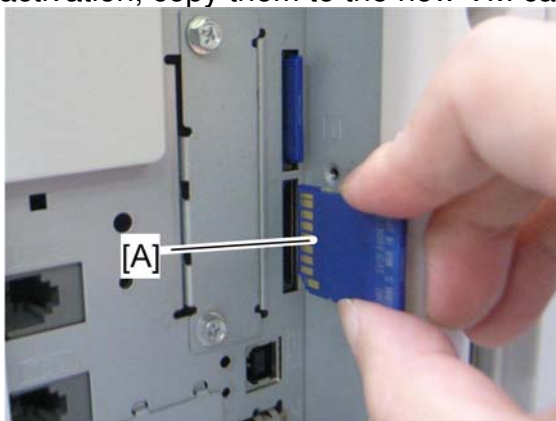
CAUTION

- Unplug the main machine power cord before you do the following procedure.




d104i119a

1. Remove the SD slot cover [A] for SD cards ( x 1).
2. Remove the existing VM card [B] from SD slot 2.
3. If the existing VM card [B] contains other SDK applications that do not require activation, copy them to the new VM card.



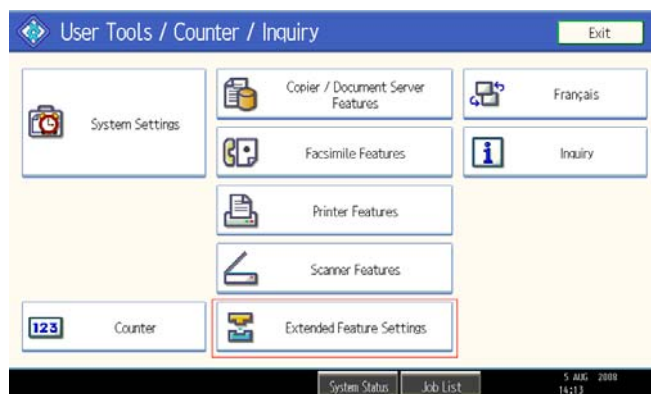
d104i204

4. Insert the new VM card [A] into SD card slot 2 so that the label faces the front of the machine. Push it in slowly until you hear a click.
5. Attach the SD slot cover ( x 1).
6. Make sure that the machine recognizes the SDK application(s).

GlobalScan NX SDK application Installation

Installation (Procedure A)

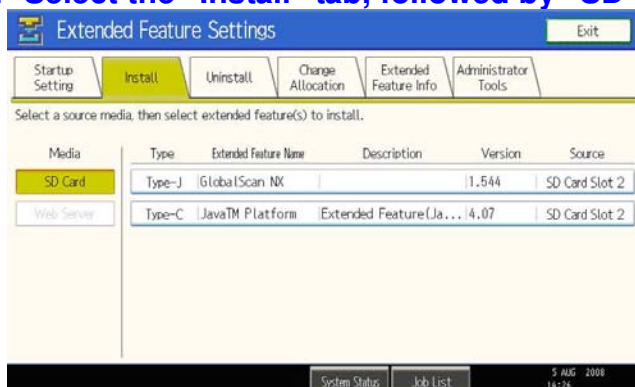
1. Turn on the target machine, and Java VM will install itself.
2. Login to the target machine as an administrator.
3. Press the "User Tools" key, and then push the "Extended Feature Settings" button on the operation panel.



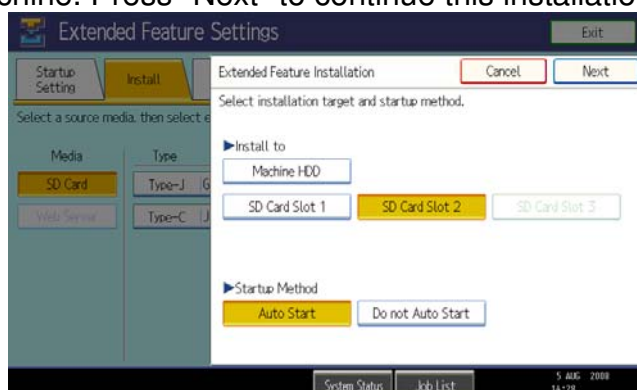
4. Next, select "Extended Feature Settings".



5. Select the "Install" tab, followed by "SD Card".



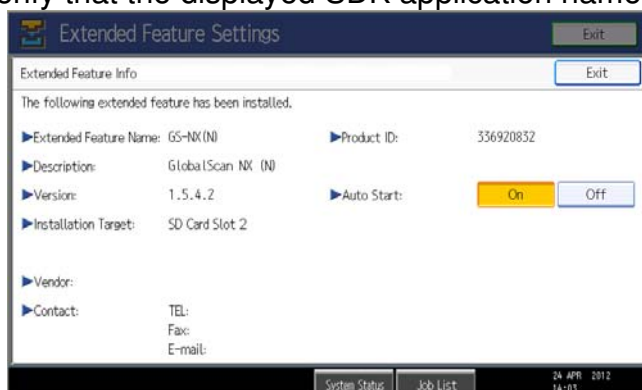
6. Select GlobalScan NX, and select the service slot (the actual slot will vary depending on the machine) and "Auto Start". By selecting "Auto Start", the GlobalScan NX service automatically starts-up after completing the activation process and rebooting the machine. Press "Next" to continue this installation procedure.



Note

- Do not install "GlobalScan NX" to the HDD of the target machine.
- Switching GlobalScan NX manually between "Stop" and "Starting-up" on the operation panel might cause the device to run out of memory. So, we recommend using Auto Start.

7. Verify that the displayed SDK application name and version number are correct.



Note

- If the displayed SDK application is not what you want to install, verify that the contents of the VM card are correct and retry this installation.

8. Press "OK" to complete this installation.
9. Reboot the MFP. If using Auto Start (as recommended), GlobalScan NX will start up after the reboot is finished.

Note

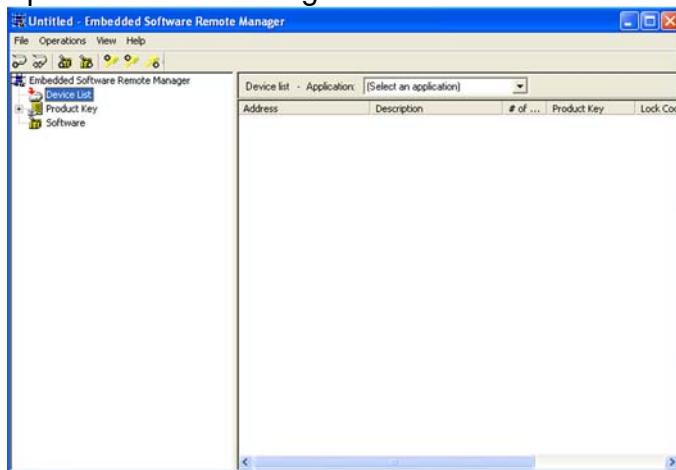
1. Both Web Image Monitor and the MFP's Extended Feature Settings screen may display the status of GlobalScan NX as "Suspend". This is equivalent to "Starting Up" and is normal behavior.

Installation Method (Procedure B)

★ Important

- **Make sure to turn off the Auto Off Timer for the duration of the installation process. If the timer is left on, the machine will enter Auto Off Mode while the installation is in progress, causing the installation to fail.**

1. Open "Remote Manager".

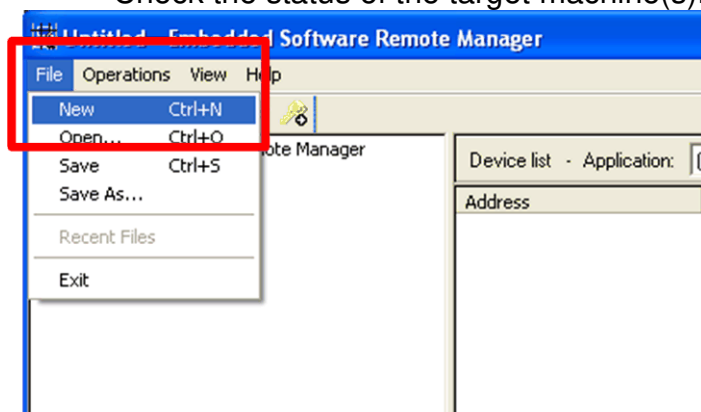


cav2i001

2. If a previous setting is displayed, open the "File" and select "New" to refresh the screen.

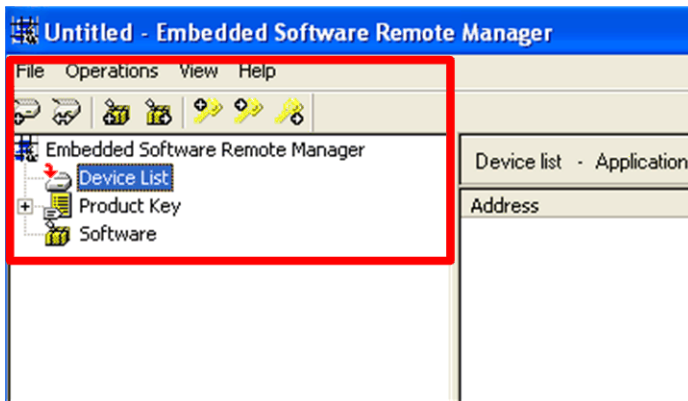
↓ Note

- Make sure that the PC running the "Remote Manager" is able to connect to the target machine via the network.
- Check the status of the target machine(s).



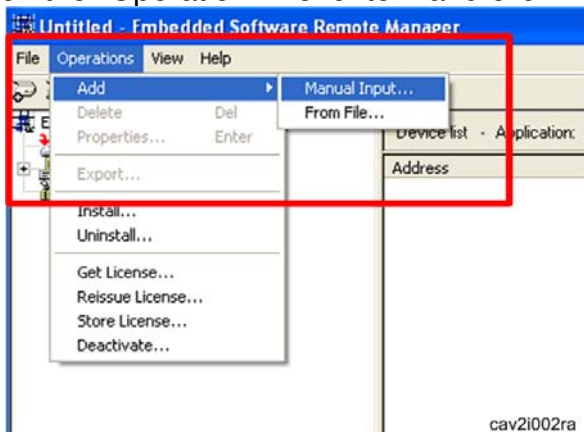
cav2i050a

3. Click the "Device List" icon on the left window to ensure you are working on a Device List (it will be highlighted).



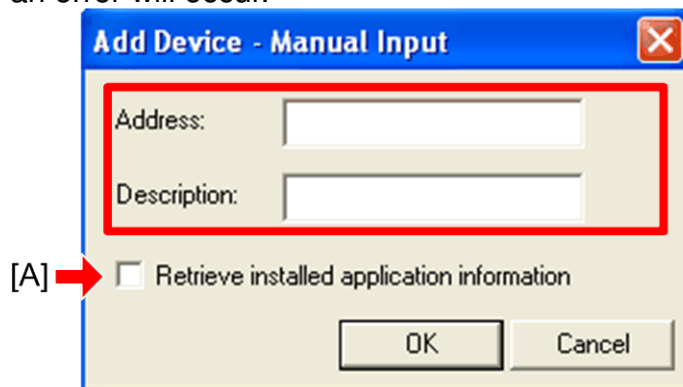
cav2i001a

4. Open the "Operation" menu item and click "Add" > "Manual Input...".



cav2i002ra

5. Enter the IP address or host name and a display name (Description) for the target machine. For segment numbers under 100, do not include a "0" before the number, as an error will occur.



cav2i003

↓ Note

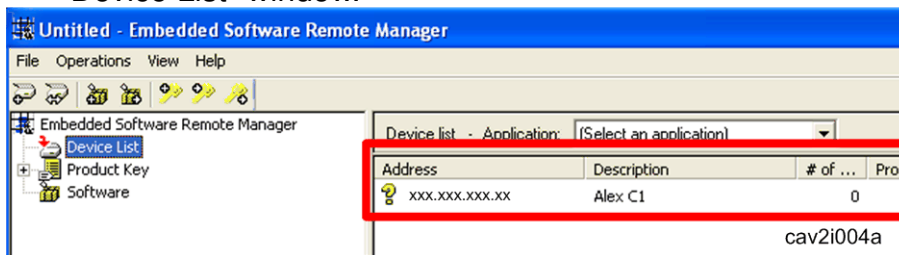
- The display name is the name shown in the "Device List" window of this utility.
- You can register multiple machines to the "Device List" with this manual input.

6. Check box [A] to collect application information from the device, and then click the "OK" button.

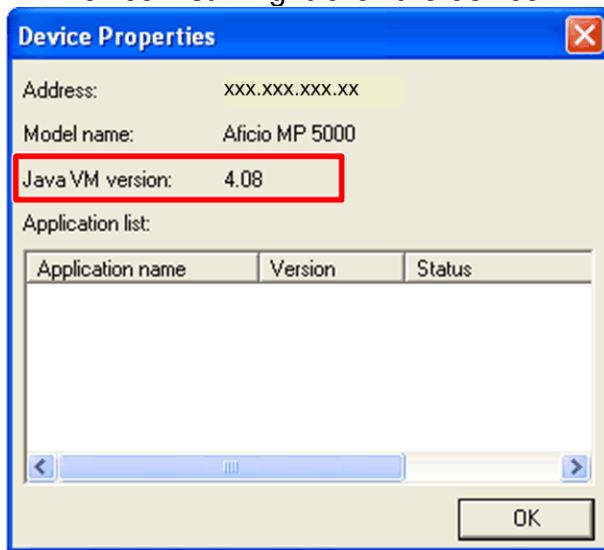
↓ Note

- Application information can be viewed by checking the device properties after registration is complete.

7. The IP address or host name and description of the target machine are displayed in the "Device List" window.



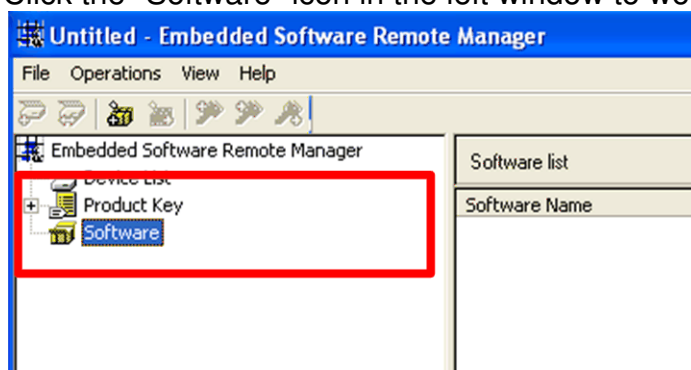
8. Open the Device Properties window to verify that the Java VM has been installed and is a supported version.
- Device List > Operations > Properties
 - Device List > right-click the device > Properties



cav2i096

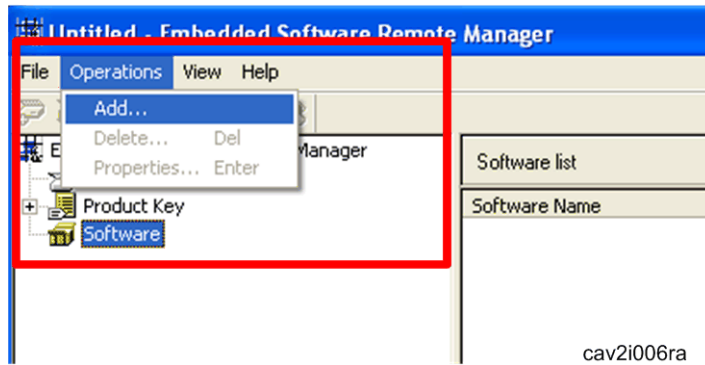
Adding a DSDK Application with the "Remote Manager"

9. Click the "Software" icon in the left window to work on Software (it will be highlighted).

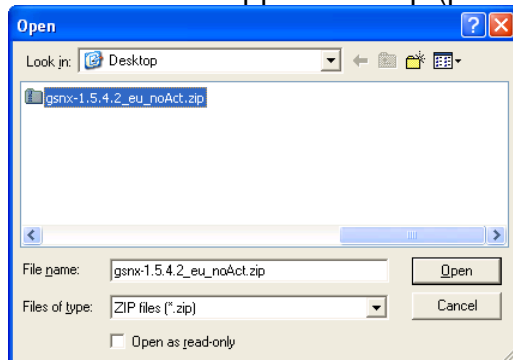


cav2i005a

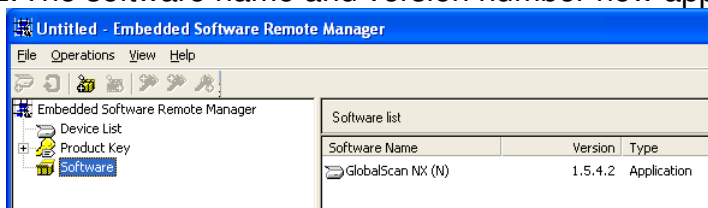
10. Select the "Operations" menu item and click "Add...".



11. Select a DSDK application zip (product-ID.zip) and click the "Open" button.

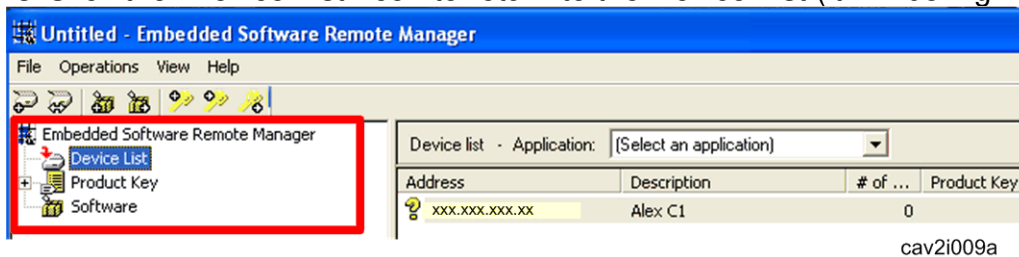


12. The software name and version number now appear in the "Software List".



Installing the DSDK Application on the Target Machine

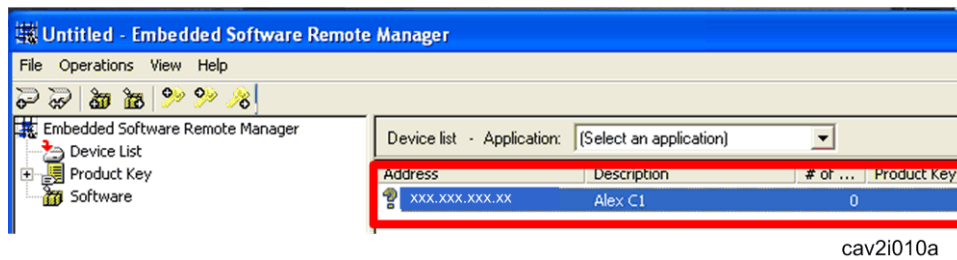
13. Click the "Device List" icon to return to the Device List (it will be highlighted).



14. Click the display name of the target machine on the "Device List".

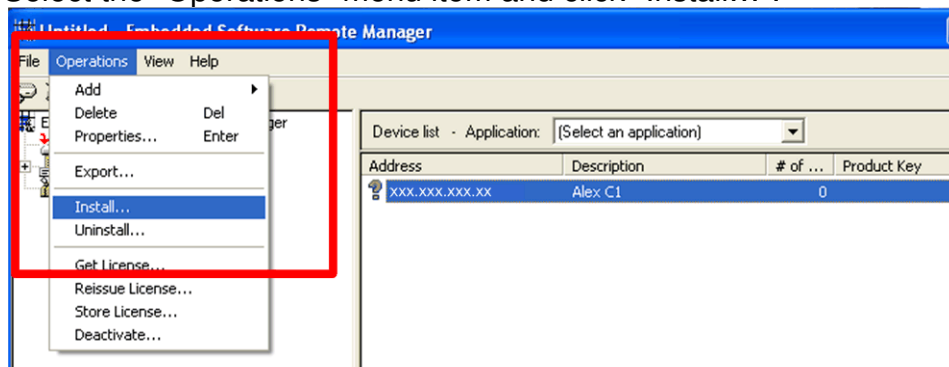


- Multiple devices can be selected.



cav2i010a

15. Select the "Operations" menu item and click "Install...".

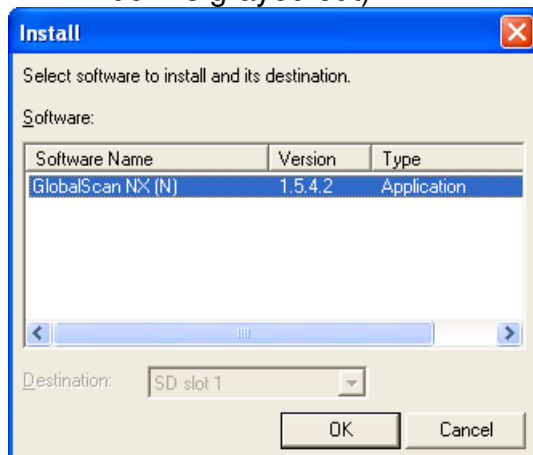


cav2i011a

16. Select the software to be installed and the SD card slot where the VM card has been installed.

↓ Note

- For some DSDK applications, selecting the slot is not required (drop-down window is grayed out).



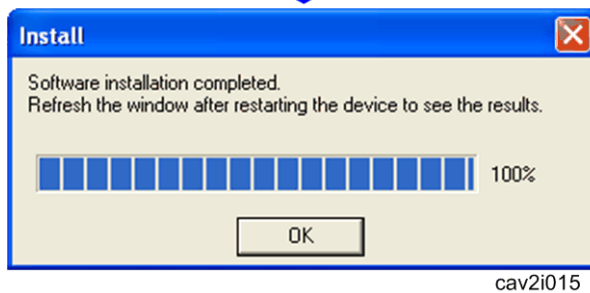
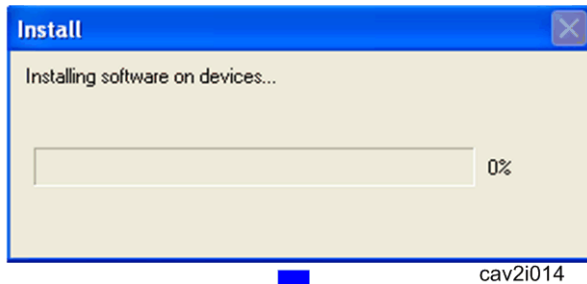
17. Click the "OK" button.

18. Input the machine administrator's user name and password.



19. Click the "OK" button.

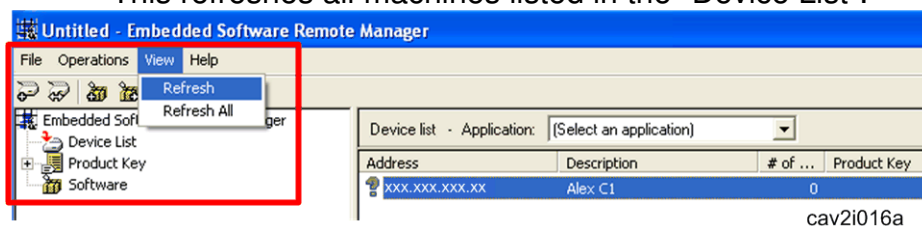
20. Click the "OK" button after the installation completion screen has appeared.



21. Select the target machine on the Device List.
 22. Select the "View" menu item and click "Refresh".



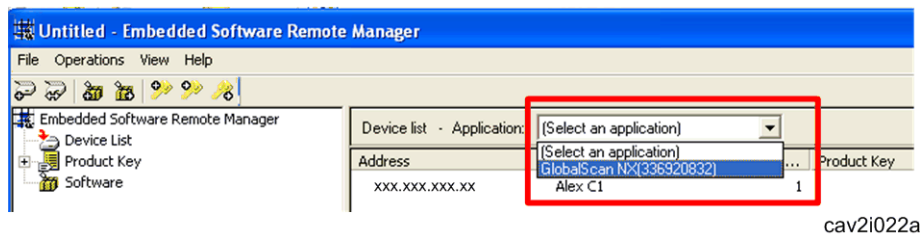
- Click the "Refresh All" if you have installed software to multiple target machines. This refreshes all machines listed in the "Device List".



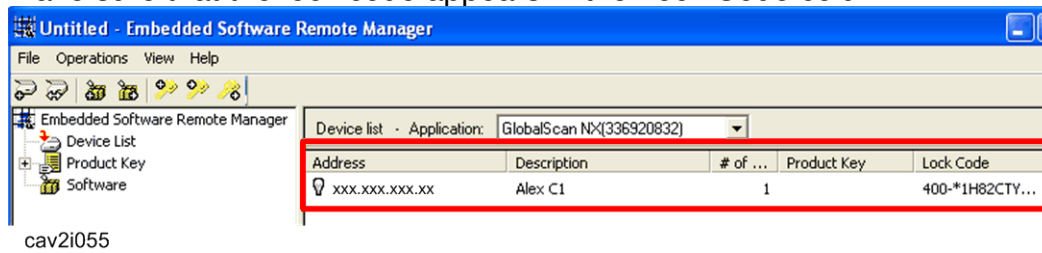
23. Select a device.
 24. Select an installed DSDK Application from the "Application" drop-down window.



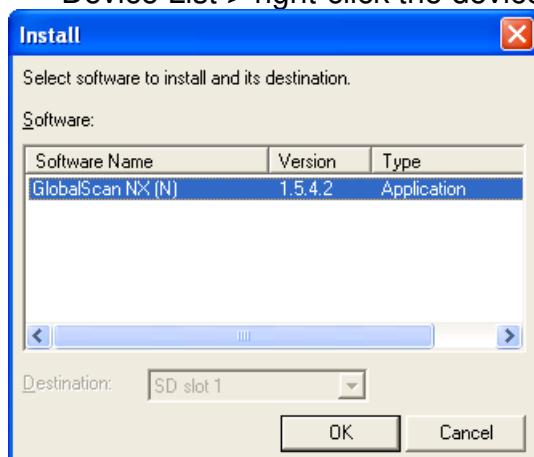
- In this example, "GlobalScan NX" is selected.



25. The white lamp icon indicates that the DSDK application is appropriately installed. Make sure that the lock code appears in the Lock Code column.



26. Verify that the version of the installed SDK application is correct.
- Device List > Operations > Properties
 - Device List > right-click the device > Properties



Other SDK application Installation

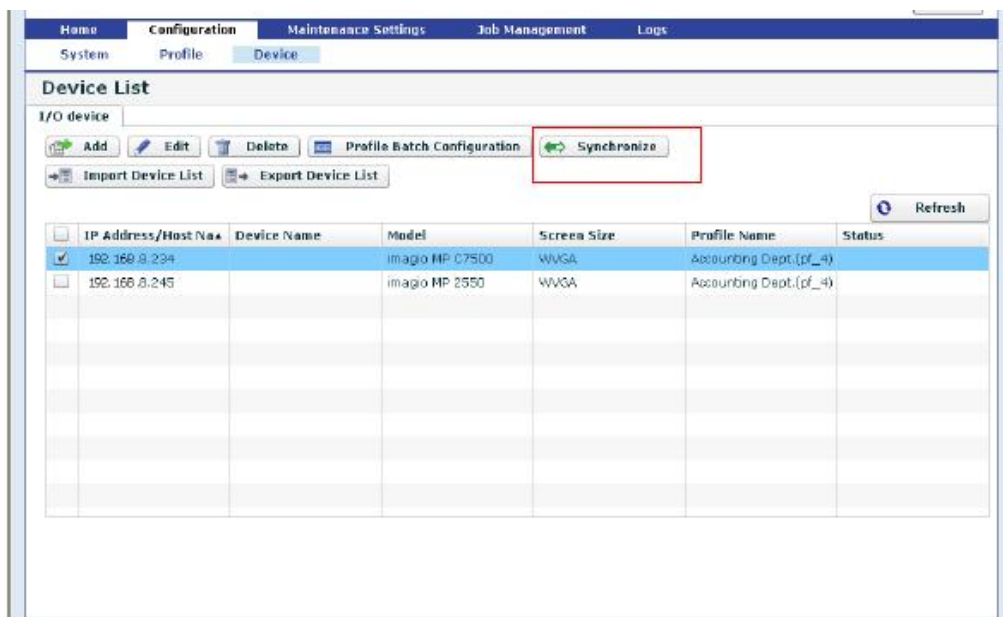
To install other SDK applications, please refer to the installation procedure provided for that application.

GlobalScan NX Synchronization

After the upgrade operation is finished, the devices must be synchronized with a Profile.

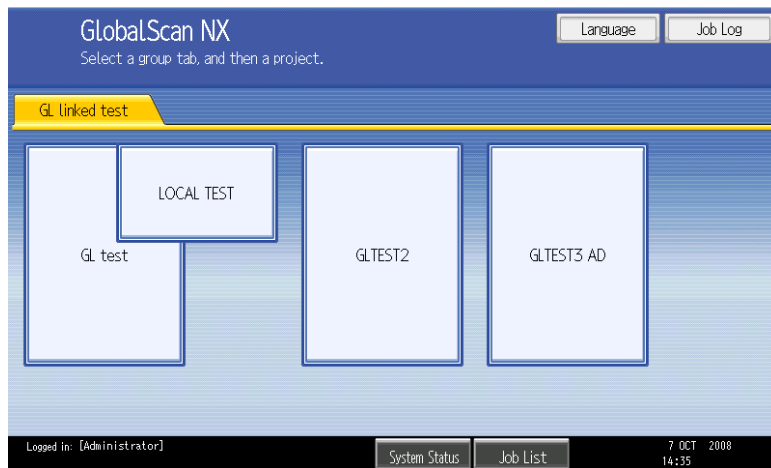
Procedure:

1. Access the Device List, which is located under the [Configuration] menu, [Device] tab.
2. Select the target MFP(s) to synchronize.
3. Click [Synchronize] and then [OK] to start the synchronization process.



Confirmation of Upgrade

Once synchronization finishes, access a synchronized device to verify that the profile was distributed correctly.



Problem: Directly moving from a 3rd party application to GSNX may not work.

Details: Each SDK application has a unique internal "Product ID". Because the GSNX standard SDK application and non-activation SDK application use different "Product IDs", there may be a problem if the customer uses an application that allows users to move to a different application based on the specified "Product ID".

Conditions of occurrence:

- List of 3rd party applications

- Pharos iMFP
- Equitrac
- Ringdale
- Barr Systems

- The GSNX standard SDK application has been replaced by the GSNX non-activation SDK application on the device.

In this case, the application switching function will no longer be able to access GSNX as a destination until the Product ID is re-configured.

Required Action:

Replacement of the previous non-activation (Product ID: 336921056) module with the updated module:

- 1. Uninstall the previous non-activation version (Product ID: 336921056) from the device. This procedure is described below.**
- 2. Install the updated SDK application (Product ID: 336920832).**

Custo mer's Versio n		Product ID	Affected By	Replacement Server Module	Replacemen t Embedded Module	Product ID
V1.5.2	Non- Activation	336921056 Hex: 141501E0	Product ID issue	Not Required	V1.5.4.2	336920832 Hex: 14150100
V1.5.3	Non- Activation	336921056 Hex: 141501E0	Product ID issue	Not Required	V1.5.4.2	336920832 Hex: 14150100

Note: The hexadecimal value of the Product ID is used by Remote Manager's Export Function.

How to confirm whether the installed module is affected:

It is recommended to distinguish the problematic module using Remote Manager.

The module can be distinguished with:

- **Combination of application name and its version.**

Or

- **Product ID**

- The affected non-activation application is named "GlobalScan NX(N)".

If application name is "GlobalScan NX", the application is standard module and

not affected by the issue. Check using Remote Manager, WIM or device's operation panel.

- Problematic application versions are 1.5.2 or 1.5.3.

As problematic non-activation versions are released as v1.5.2 and v1.5.3, the combination of application name and version can quickly identify an affected device.

Version information is available from Remote Manager, WIM or device's operation panel.

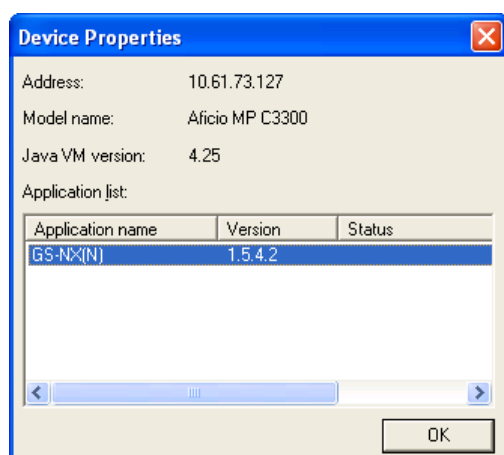
- Problematic application's Product ID is 336921056. This ID can be checked using WIM or the device's operation panel.

Remote Manager: Confirm the application name and version.

Can be confirmed either from the UI and the exported csv. If the number of devices is high, exporting the csv is recommended.

UI:

- 1. Make sure the devices are registered with Remote Manager.*
- 2. Confirm that the product name and version are an affected version by opening the device properties for each device.*



Exported CSV:

- 1. Make sure the devices are registered with Remote Manager.*
- 2. Export the device list CSV (Operations > Export).*
- 3. Open the csv using the desired application (such as Excel).*
- 4. The Product ID is output as a HEX value. "141501E0" indicates an affected module (see previous table).*

Client Activator V2 created

#MFD	MFD	ProductID	Feature	ProductKey	ProductName
Address	Name				
192.168.0.10		14150100	3.37E+08		GS-NX
192.168.0.10					
192.168.0.20		141501E0	3.37E+08		GS-NX(N)
192.168.0.20					

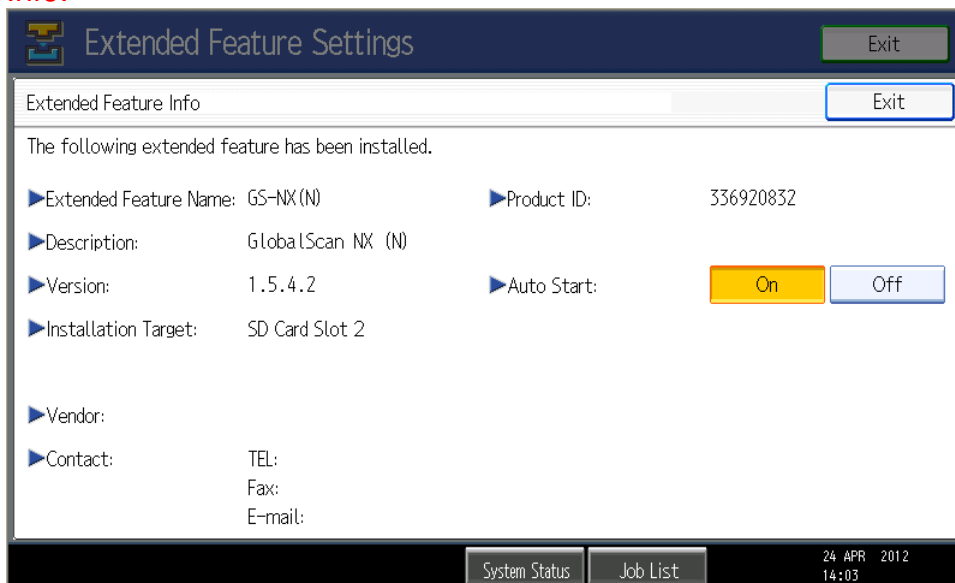
WIM: Confirm the application name, version and product ID.

Open WIM > Extended Feature Settings > Extended Feature Info.



Operation Panel: Confirm the application name, version and product ID.

Operation Panel > User Tools/Counter > Extended Feature Settings > Extended Feature Info.

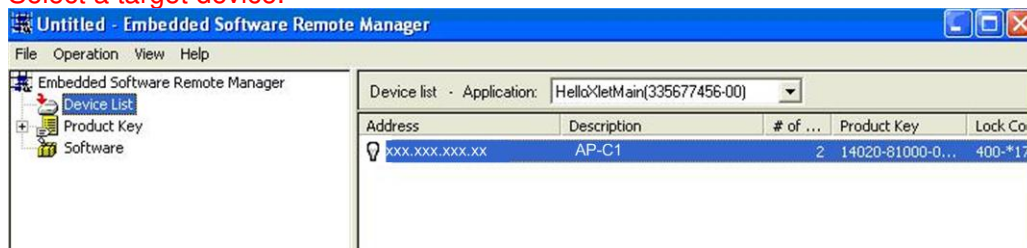


Uninstalling the previous non-activation version from the device:

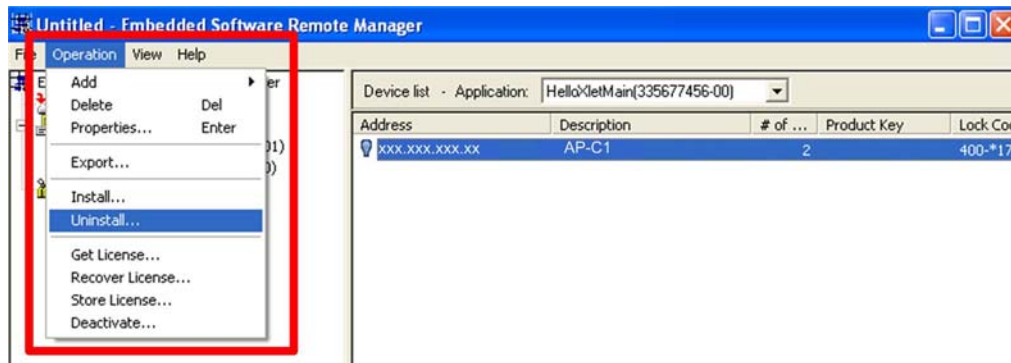
1. Turn on the target machine.
2. Uninstall the GlobalScan NX SDK application, but not the Java VM application, using the operation panel or Remote Manager.

Remote Manager:

1. Select a target device.

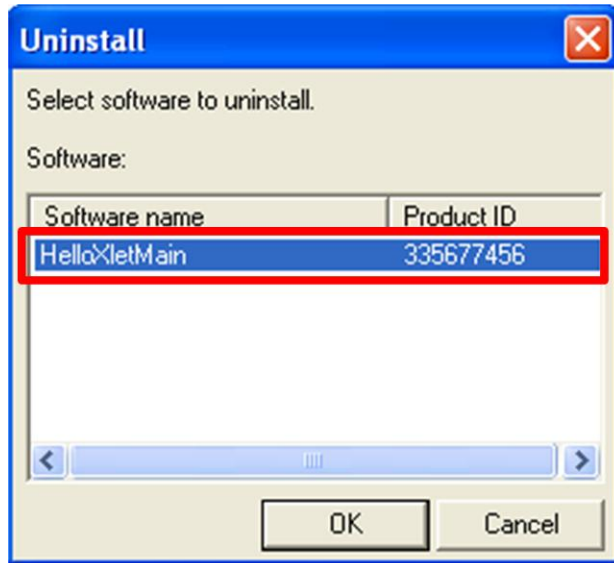


2. Open the "Operation" menu and click "Uninstall".



cav2i039ra

3. Select the software to uninstall and click the "OK" button.



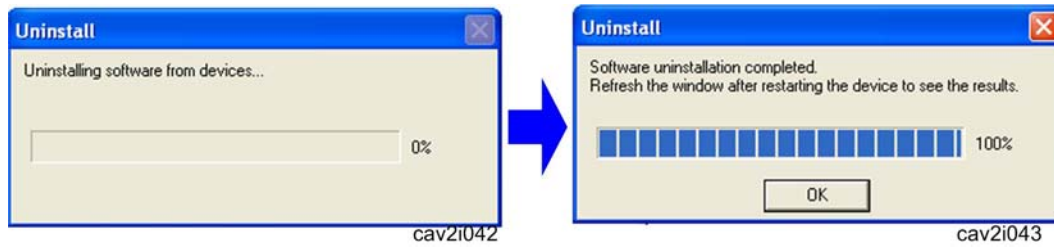
cav2i040

4. Ask a machine administrator to input a user name and password of the machine administrator and then click "OK".

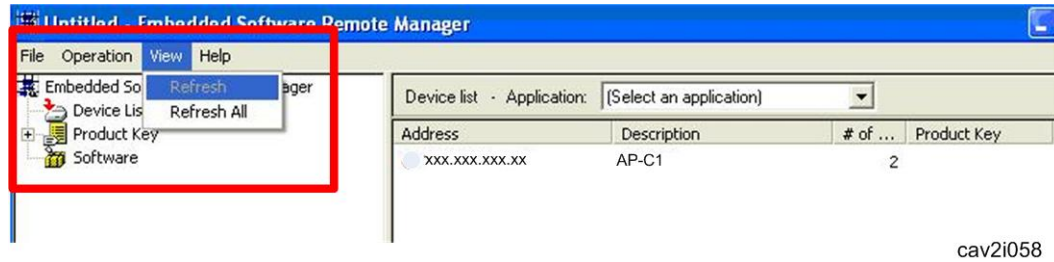


cav2i013

5. Click the "OK" button once the uninstall process has completed.

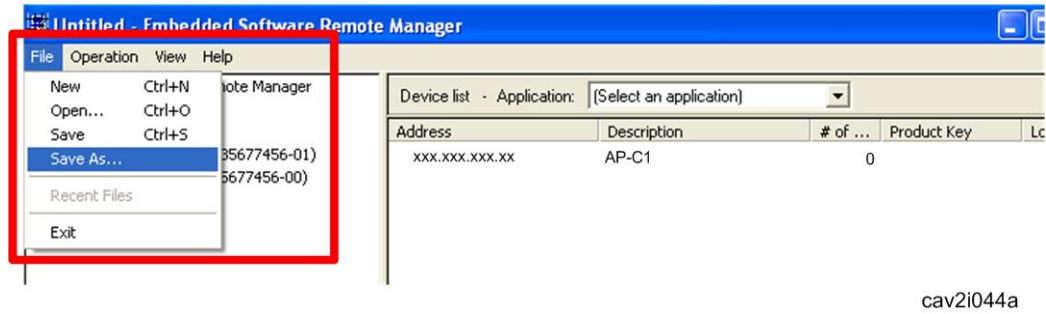


6. Select the target machine to view in the Device List.
7. Select the "View" menu item and click "Refresh".



Note

- Click "Refresh All" if you have uninstalled software from multiple devices. This refreshes all devices in the "Device List".



2. Install the fixed SDK application.

Note

The Procedure is the same as described in "GlobalScan NX SDK application Installation"

Appendix

A) Installed GlobalScan NX Edition Confirmation

Access Start>GlobalScan NX>Activation Tool



If your customer is using a Server Edition, you will find the installed server edition in the Activation List. If Serverless edition is installed, no entry appears in the Activation List. (The sample below shows that Enterprise Server Edition has been installed).



B) Secondary Delivery Server/Load Balance Server Confirmation

1) Check the System menu for the following two selections.

* If the settings are not available, these options are not used by that customer's environment.

Home Configuration Maintenance Settings

System Profile Device

System Settings

- General Settings
- Services/Filters
- Authentication Profiles
- Administrator
- Job Settings
- System Logs
- Certificate
- Replacement Table
- Secondary Delivery Server Settings
- Load Balance Server Settings
- Kerberos Option

2) If the above settings are available, please check to see if your customer is actually using them:

Secondary Delivery Server

Home Configuration Maintenance Settings Job Manager

System Profile Device

Secondary Delivery Server Settings

Use Secondary Delivery Server

Secondary Delivery Server

*

If a Secondary server is used, this setting needs to be removed before upgrading the GlobalScan NX software. For the details, please refer to Appendix C.

Load Balance Server

Home Configuration Maintenance Settings Job Manager

System Profile Device

Load Balance Server Settings

Add Load Balance Server

Load Balance Member Server List	Previous Synchronization Date
http://192.168.0.10:8080/gsnx	11/28/2010 10:17:59

If a Load Balance server is used, this setting needs to be removed before upgrading the GlobalScan NX software. For the details, please refer to Appendix C.

C) How to disable Secondary Server/Load Balance Server settings

Note

This section also describes the basic process for upgrading the software installed on any Secondary Delivery or Load Balance servers.

Secondary Delivery Server.

Uncheck the [Use Secondary Delivery Server] check box.

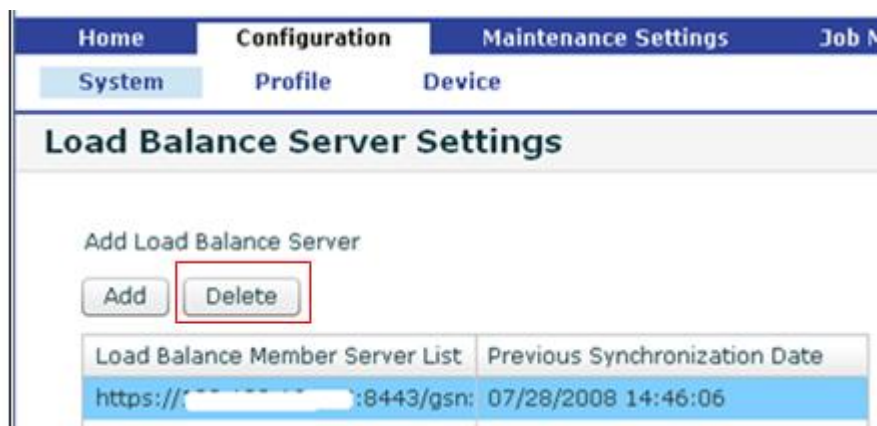


[Procedure for upgrading GlobalScan NX Software]

1. Perform overwrite data installation on the Secondary server.
2. Perform overwrite data installation on the Primary server.
3. Add the Secondary server to the Primary server.
4. Synchronize the Primary Delivery Server with the Secondary Server.

Load Balance Server

Remove the Load Balance Server(s) from the Load Balance Member Server list on the Primary server.

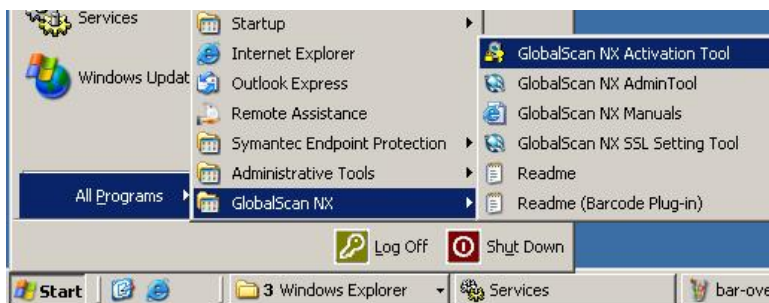


[Procedure for upgrading GlobalScan NX Software]

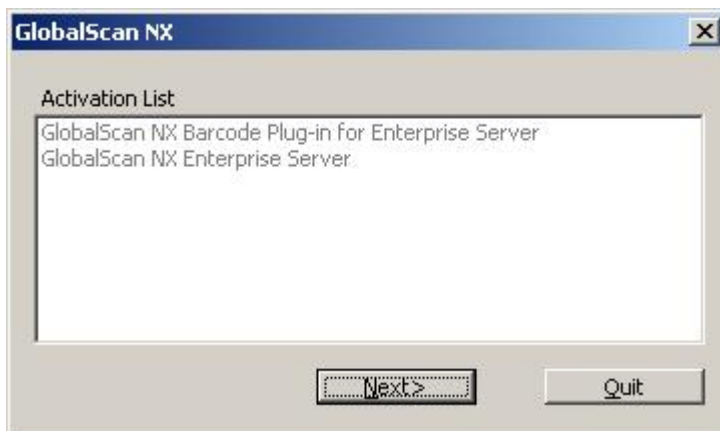
1. Perform overwrite data installation on the Load Balance server(s).
2. Perform overwrite data installation on the Primary server.
3. Add the Load Balance Server(s) to the Primary server.
4. Synchronize the Primary Delivery Server with the Load Balance Servers.

D) How to determine if Option Plug-ins are installed

Please run the GlobalScan NX Activation Tool.



The Activation List shows the installed & activated option plug-ins. This sample image shows that the Barcode Plug-in has been installed.



Reissued:19-Jul-12

Model: GlobalScan NX	Date: 9-Apr-12	No.: RD420014c
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RTB Reissue

The items in ***bold italics*** have been corrected.

Subject: GlobalScan NX Installation to <i>11A/12S</i> Models (AT-C3, AP-C3, AL-C2, <i>MT-C5</i> , GR-C1 and S-C5)		Prepared by: M.Horikoshi	
From: Solution Support Department			
Classification:	<input checked="" type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input type="checkbox"/> Other ()	<input checked="" type="checkbox"/> Tier 2

Summary

When installing GlobalScan NX (GSNX) to some ***11A/12S*** models, certain actions must be performed in order to ensure correct operation.

- Only the GlobalScan NX versions listed below may be installed on the current ***11A/12S*** models
 For AT-C3, AP-C3, AL-C2:
 - GSXN PC application v1.5.2.0 or later and GSXN SDK application v1.5.4.2 or later
 For GR-C1, S-C5:
 - GSXN PC application v1.5.5 or later and GSXN SDK application v1.5.5 or later
 - GSXN PC application v2.0.1 or later and GSXN SDK application v2.0.1 or later***For MT-C5:***
 - ***GSXN PC application v1.5.4.0 or later and GSXN SDK application v2.1.0 or later***

2. Because the standard Java VM and ***System/Copier Firmware*** contains some bugs known to affect GSXN, ***these*** must be upgraded before GlobalScan NX SDK application installation.

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

Following chart shows the compatibility between modules/versions.

		Embedded Module (SDK application)				
		V1.5.4.0	V1.5.4.2	V1.5.5	V2.0.0	V2.0.1 <i>V2.1.0</i>
Server Module (PC application)	V1.5.2.0 V1.5.3.0	NO	YES	YES	NO	NO
	V1.5.4.0 V1.5.4.2	YES	YES	YES	YES	YES
	V1.5.5	YES	YES	YES	YES	YES
	V2.0	YES	YES	YES	YES	YES
	V2.0.1 <i>V2.1.0</i>	YES	YES	YES	YES	YES

Note1: V1.5.4 of the PC application is released as a full installer (supports both new and upgrade installations).

Note2: V1.5.4.2 of the PC application is released only as an update program (upgrade installation only).

Note3: V1.5.4 and V1.5.4.2 of the PC application have no functional differences.

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
MT-C5	10.05.01	D1315590B	First Mass Production
GR-C1	10.04.02	D6405750H	April 2012 production
S-C5	10.04.02	D6405750H	April 2012 production

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

Note: The table above lists the version which implements the fix. It is always recommended to use the latest Java VM.

GSNX SDK application v1.5.x:

- Update Device's JavaVM using Remote Install Manager or Java VM Update Tool.
- Note: GSX v1.x cannot be installed with Remote Install Manager. It is only for updating the device's Java VM.

GSNX SDK application v2.0 or later:

Update Device's JavaVM using Remote Install Manager. Update is automatically performed when the GSX SDK application is installed. No specific action is required.

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:

- GSX 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).

Fixed System/Copy Firmware Version:

Model	Version	Program No.	Effective Date
AT-C3	2.03	D1425562L	June 2012 production
AP-C3	2.03	D1445562L	June 2012 production
AL-C2	2.03	D1295751J	June 2012 production
GR-C1	1.07	D1175421H	June 2012 production
S-C5	1.07	D1275780G	June 2012 production
MT-C5	1.01	D1315572C	July 2012 production

Note: The table above lists the version which implements the fix. It is always recommended to use the latest System/Copy Firmware.

Reissued: 02-Nov-12

Model: XG-SD1	Date: 08-Nov-11	No.: RD420003p
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RTB Reissue

The items in bold italics have been corrected.

Subject: Release Note: GlobalScan NX		Prepared by: M.Horikoshi	
From: Solution Support Sect., Solution Support Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Other ()	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the module release information for the **GlobalScan NX**.

Version	Program No.	Effective Date	Availability of RFU
<i>1.5.6.0</i>	<i>D4205101Q</i>	<i>October 2012 production</i>	<i>Not available</i>
1.5.5.0	D4205101P	May 2012 production	Not available
1.5.4.2	D4205101O	March 2012 production	Not available
1.5.4.0	D4205101N	January 2012 production	Not available
1.5.3.0	D4205101M	September 2011 production	Not available
1.5.2.0	D4205101L	June 2011 production	Not available
1.5.1.0	D4205101K	May 2011 production	Not available
1.4.4.0	D4205101J	November 2010 production	Not available
1.4.1.0	D4205101I	July 2010 production	Not available
1.3.5.0	D4205101H	January 2010 production	Not available
1.3.3.0	D4205101F	December 2009 production	Not available
1.2.1.0	D4205101E	May 2009 production	Not available
1.2.0.0	D4205101D	April 2009 production	Not available
1.1.3.0	D4205101C	January 2009 production	Not available
1.1.2.0	D4205101B	December 2008 production	Not available
1.1.1.0	D4205101A	1st Mass 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.

Reissued: 02-Nov-12

Model: XG-SD1	Date: 08-Nov-11	No.: RD420003p
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Version	Modified Points or Symptom Corrected
1.5.6.0	<p>Others:</p> <ul style="list-style-type: none"> - <i>The "Cancel" button is now grayed out when performing an update, overwrite, or leftover data installation.</i> - <i>GSNX now attempts a retry when fax data reception fails.</i> <p>Fixed:</p> <ul style="list-style-type: none"> - <i>Users may be unable to log in to a Project after a Profile is synchronized to multiple devices at the same time.</i> - <i>Creating a subfolder on a Domain-based DFS system causes Send to Folder delivery to fail.</i> - <i>GSNX fails to deliver to a Domain-based DFS destination in a network where the server acting as the Domain controller and the server controlling the DFS system are different.</i> - <i>Fax delivery sometimes fails for certain device models.</i> <p>Update the Java VM to the latest version before installing this update.</p>
1.5.5.0	<p>Supported: GlobalScan NX now supports the following devices: Aficio MP 301 Aficio MPC 305/DSc530 Aficio MP 6002/7502/9002</p> <p>Fixed: The OCR Filter, PDF Converter, Image Converter consume more of GlobalScan NX's memory than is necessary (Server Edition).</p>
1.5.4.2	<p>Supported: GlobalScan NX Serverless/Business Server/Enterprise Server Edition V1.5.4.2 now supports the following devices: Aficio MP C4502 / Aficio MP C5502 / Aficio MP C3002 / Aficio MP C3502 / Aficio MP 4002 / Aficio MP 5002</p>
1.5.4.0	<p>Others:</p> <ul style="list-style-type: none"> - A Windows Server 2008 R2 AD server is now supported for Active Directory Authentication. (Serverless Edition Only). - Send To Email plugin allows to use "Default Sender Address" as sender email address regardless of the login user's email address. - Send To Email plugin's email address validation now can be disabled. <p>Fixed:</p> <ul style="list-style-type: none"> - Scan Size setting may not be applied correctly if it is configured in System > Service/Filter Settings > Scan Settings. - Unable to input capital letters as destination email address in Send To Email plugin. - 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. - Some wordings are corrected.

Reissued: 02-Nov-12

Model: XG-SD1	Date: 08-Nov-11	No.: RD420003p
Version	Modified Points or Symptom Corrected	
1.5.3.0	<p>1) Device Support Changes</p> <ul style="list-style-type: none"> - GlobalScan NX Serverless/Business Server/Enterprise Server Edition V1.5.3.0 now supports the following devices: Aficio SP 5200S/Aficio SP 5210SF/Aficio SP 5210SR/Aficio MP 2352SP/Aficio MP 2852SP/Aficio MP 3352SP <p>2) Specification Changes</p> <ul style="list-style-type: none"> - A "Batch Download Logs" button has been added to the AdminTool's Maintenance Settings. It is used to download different log types from the AdminTool and the selected devices in a batch operation. - NTLM authentication requests now use standard formatting. Previous versions used a different formatting that could be authenticated even if the time skew between GSNX and the authenticating server was great. <p>3) Fixed Issues</p> <ul style="list-style-type: none"> - Fixed: The Send to Email function does not send Notifications. - Fixed: Wide format paper sizes would not be displayed on the Scan Size tab after updating to V1.5.2.0. - Fixed: Garbage/useless data would be included in imported Profiles. If a single Profile went through multiple export-import cycles, it could eventually cause SC997 on synchronization. - Fixed: 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. 	
1.5.2.0	<p>1) Fixed Issues</p> <ul style="list-style-type: none"> - Fixed: Activation information is lost if a Remote Desktop Console session is used to perform an upgrade from GSNX V1.4.4 to GSNX V1.5. <p>2) Other</p> <ul style="list-style-type: none"> - When the "Cancel" button is used to cancel a job in the job queue, the cancelled job is now moved to the error queue. 	

Reissued: 02-Nov-12

Model: XG-SD1	Date: 08-Nov-11	No.: RD42003p
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Version	Modified Points or Symptom Corrected
1.5.1.0	<p>1) Device Support Changes</p> <ul style="list-style-type: none"> - GlobalScan NX Serverless/Business Server/Enterprise Server Editions V1.5.1.0 now supports the following device: Aficio MP 201F/201SPF. <p>2) Specification Changes</p> <ul style="list-style-type: none"> - Users can now scan directly from the Metadata input screen. - A new Scan Method, "Mixed Batch," was added. - Support for PDF/A when using the Send To E-mail's Page Divide function. - LDAP Search results are now sorted. - Support for the UPN (username@FQDN) is now available when using Active Directory as the authentication method. - Please note that if the UPN's FQDN and the domain stored in the AD authentication profile do not match, the UPN's domain must be registered as a trusted domain. - NTLM v2 authentication is now supported for authenticating with a WebDAV server. <p>3) Fixed Issues</p> <ul style="list-style-type: none"> - Fixed: Projects requiring authentication cannot be logged in to on 4-line MFPs, if the project was searched for by number. - Fixed: E-mail addresses that GSNX failed to deliver to (due to an invalid IP address for the SMTP server, etc.) are included in the Job Log's "Destination Address" column. - Fixed: A SFTP connection session remains even after the FTP delivery service completes delivery. - Fixed: After upgrading GSNX Enterprise Server, only 32 devices remain in the Device list. - Fixed: Extra authentication information is included in imported profiles. - If the extra information builds up, it could eventually reduce performance when changing screens on the operation panel or SC997. <p>4) Other</p> <ul style="list-style-type: none"> - When more devices are registered in the device list than the current edition allows, the extra devices must be deleted before synchronization or other device management actions can be performed. - This only occurs when an overwrite installation, leftover data installation, or backup data restoration occurs between different editions of GSNX. - GSNX no longer writes data to the SD-Card as a part of log creation.

Reissued: 02-Nov-12

Model: XG-SD1	Date: 08-Nov-11	No.: RD42003p
Version	Modified Points or Symptom Corrected	
1.4.4.0	<p>1) Device Support Changes GlobalScan NX Serverless/Business Server/Enterprise Server Editions V1.4.4.0 now supports the following devices:</p> <ul style="list-style-type: none">- Aficio MP C300/C400/C4501/C5501/C3001/C3501/C2051/C2551/W2401/W3601 <p>The Aficio MP C300/C400 does have a limitation:</p> <ul style="list-style-type: none">- GSNX v1.4.4.0 can only scan A4/Letter landscape documents on the Aficio MP C300/C400. <p>2) Specification Changes</p> <ul style="list-style-type: none">- It is now possible to select the location where the output of the Metadata Replacement filter is saved.- SDK application version information and other data are now written to the GSNX system log when the MFP starts up. <p>3) Fixed Issues Fixed: Exported Replacement Tables that contain a comma in the Comparison Target String are not imported correctly.</p>	

Reissued: 02-Nov-12

Model: XG-SD1	Date: 08-Nov-11	No.: RD42003p
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Version	Modified Points or Symptom Corrected
1.4.1.0	<p>1) Device Support Changes</p> <ul style="list-style-type: none"> - GlobalScan NX Serverless/Business Server/Enterprise Server Editions V1.4.1.0 now supports the following devices: <ul style="list-style-type: none"> · Be-C1 · N-C3 <p>2) Specification Changes</p> <ul style="list-style-type: none"> - A hardware key can now be used to access the project search function on the Model Aficio MP 171SPF/LD117SPF/917SPF. - The GlobalScan NX icon is now displayed on the Extended Features screen. - The Activation Tool can now be used to activate the Kerberos option. - The Kerberos option is now supported for use with GSNX Serverless. - "Passwordless Authentication" (Active Directory and LDAP) has been added as an authentication method. - A confirmation dialogue now appears when a scan job completes. - Wide format paper sizes have been added to scan settings menu. - "Continue flow without performing replacement" has been added to the "Select Action when Table Data does not Match" menu. - A log entry is recorded in the Syslog when the metadata replacement filter does not match. - The tag "JIS" has been added to the "Bx" paper size.(e.g.; B4 JIS) - The dayofweek and generationDate(Local) metadata fields have been added. - The Error Queue now supports batch downloading of error images. - The IP address field of the device list now links to each registered device's Web Image Monitor. - A Plug-in Information page has been added to the AdminTool. - "Logical Division (Join Automatically)" has been added as an e-mail attachment Size Divide option. - Support for PDF/A has been added to the PDF Converter. - The user's home folder and email address can now be retrieved from an authentication server that is not used for the authentication profile. - The total number of entries for the replacement table has been raised from 1000 to 2000. - New fax templates for fax delivery based on day of the week or time are available for installation with the other project templates. <p>3) Fixed Issues</p> <ul style="list-style-type: none"> - Fixed: When logging in to the project without a password, delivery fails if scan to home folder is used. - Fixed: The Operation panel locks as a result of logging out via the logout key while a dialog box is displayed. - Fixed: LDAP server address search fails if the DN of the login user is required when attempting email delivery. - Fixed: The Start key turns red and cannot be pressed if the project only contains Flow Redirect and was restored from a profile created by GSNX v1.3.4.0 or earlier. - Fixed: The Start key would turn green when the error dialog that appears when the same password is input as both the user and master passwords for the PDF conversion filter is closed.

Reissued: 02-Nov-12

Model: XG-SD1	Date: 08-Nov-11	No.: RD420003p
Version	Modified Points or Symptom Corrected	
1.3.5.0	<ol style="list-style-type: none">1) Device Support Changes<ul style="list-style-type: none">- GlobalScan NX Serverless/Business Server/Enterprise Server Editions V1.3.5 now supports the following devices:<ul style="list-style-type: none">· V-C32) Specification Changes<ul style="list-style-type: none">- Support for Windows 7 Ultimate/Enterprise/Professional Edition has been added. However, Windows 7 is only supported by GlobalScan NX Serverless Edition V1.3.5.0.3) Fixed Issues<ul style="list-style-type: none">- Fixed: A communication error occurs while using GlobalScan NX's AdminTool.	

Reissued: 02-Nov-12

Model: XG-SD1	Date: 08-Nov-11	No.: RD420003p
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Version	Modified Points or Symptom Corrected
1.3.3.0	<p>1) Device Support Changes</p> <ul style="list-style-type: none"> - GlobalScan NX Serverless/Business Server/Enterprise Server Editions V1.3.3 now supports the following devices: <ul style="list-style-type: none"> · MT-C4 · S-C4 <p>2) Specification Changes</p> <ul style="list-style-type: none"> - Support for 64-bit versions of Windows 2003/2008 Standard/Enterprise Edition (including "without Hyper-V") has been added. - However, GSNX must be run in 64-bit compatible mode (WoW 64). This means GSNX runs as a 32-bit program even when using a Windows 64-bit OS. - Projects using an authentication profile are now supported for use on the S-C4. - If GlobalScan NX V1.3.3 is installed on a server where a data path for an older GSNX exists, activation information will be inherited regardless of any differences between the old and new data paths. - If "Delete data path" is selected when uninstalling GSNX V1.3.3, that activation information will be lost. - The SDK application's version number can now be displayed on the AdminTool's Device List. - A message warning users about active sessions will appear when attempting to do any of the following actions: <ul style="list-style-type: none"> · Trying to close the web browser. · Clicking the "Reload" button on the web browser. · Accessing another web page directly from any screen of the GSNX AdminTool. - If an attempt is made login to the GSNX AdminTool while an administrator is already logged in, the IP address or hostname of the logged in administrator's PC will be included in the error dialog. - Performance when importing/exporting a profile has been improved. - If a Filter has settings available on the Filter tab of the GSNX AdminTool, that Filter Plug-in's Filter tab settings can be displayed on the MFP operation panel. - LDAP Authentication now supports two directory access methods: <ul style="list-style-type: none"> - LDAP search (Proxy User and Search Query settings) - Affixation (LDAP Prefix/Suffix settings) - LDAP searches using a Login User's account are now available when searching for a destination email address from the Send to Email Plug-in. - GSNX now supports Gmail's SMTP server. - "Send to Home Folder", when enabled, now has access to all of the same general settings as the Send to Folder Plug-in. - GSNX now displays "Home Folder" in the Selected Destinations list if "Send to Home Folder" is enabled. - Also, GSNX now allows access to any subfolders located in the Home Folder as long as "Enable Subfolder Browsing" for Send to Home Folder is enabled. - GSNX V1.3.3 now supports multidomain authentication. GSNX assumes that the host exists on the same domain as the authentication server if only a hostname is used to access a user's Home Folder (homedirectory) when using "Send to Home Folder". - LDAP authentication is now supported for use with the Send to Home Folder function of the Send to Folder Plug-in. - Passwords added when using the PDF Converter Plug-in of GSNX Serverless Edition now function correctly. - Password policy (character length, regular expressions) and password confirmation settings have been added to the PDF Converter Plug-in. <p>3) Fixed Issues</p> <ul style="list-style-type: none"> - Fixed: Performing an overwrite install for update purposes fails if the previous version of GSNX has never been launched. - Fixed: Cancelled jobs may remain in the AdminTool's Job Queue. - Fixed: GSNX sends all the scanned data again when GSNX fails to completely

Reissued: 02-Nov-12

Model: XG-SD1	Date: 08-Nov-11	No.: RD420003p
Version	Modified Points or Symptom Corrected	
1.2.1.0	<p>Added support for new device:</p> <ol style="list-style-type: none"> 1) MT-C4, a 08A device, is now supported for use with GlobalScan NX. <p>Fixed Issues:</p> <ol style="list-style-type: none"> 1). Previous versions of GlobalScan NX had slow screen changes, especially when accessing the project list screen, the scan settings screen, and the service menu screen. These screens have been speed up. 2). Files smaller than 43 bytes can now be uploaded when using an SSL connection with the built-in web server. 3). An issue where data might be sent between the AdminTool and the PC where GlobalScan NX is installed (Server or Serverless versions) without being encrypted has been fixed. 4). An issue that prevented some information from being converted from version 1.1.x to version 1.2 during an update install has been fixed. 	
1.2.0.0	<p>Other Changes:</p> <ol style="list-style-type: none"> (1) Support for Scan Preview has been added for 07A and later models. (2) Several new metadata items have been added. Please refer to the "Metadata Specifications" of the Administrator's Guide for more details. (3) Support for Latin-1 character encoding has been added. (4) General Performance Improvements 	
1.1.3.0	<p>Fixed: SC997 occurs during the operation of MFP applications (Copy, Print, etc). (Reported by Tech Mail No.: TS081556)</p>	
1.1.2.0	<p>Other Changes:</p> <ol style="list-style-type: none"> 1. The RightFAX plugin is supported. 2. The Output plugin's StartPointPath can be edited. 3. Flash Player 10 is supported. 	
1.1.1.0	<p>1st Mass production</p>	

Reissued: 02-Nov-12

Model: XG-SD1	Date: 18-May-09	No.: RD420004j
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RTB Reissue

The items in bold italics have been added.

Subject: Release Note: GlobalScan NX (Update Module)		Prepared by: M. Horikoshi	
From: Solution Support Sect., Solution Support Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Other ()	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the module release information for the **GlobalScan NX**.

This module is used for updating the GlobalScan NX SDK application from ver. 1.3.x or earlier to ver. 1.3.x using Remote Manager.

Version	Program No.	Effective Date	Availability of RFU
1.5.6.0	<i>D4205171I</i>	<i>October 2012 production</i>	-
1.5.5.0	D4205171H	May 2012 production	-
1.5.4.2	D4205171G	March 2012 production	-
1.5.3.0	D4205171F	October 2011 production	-
1.5.2.0	D4205171E	June 2011 production	-
1.4.4.0	D4205171D	December 2010 production	-
1.4.2.0	D4205171C	August 2010 production	-
1.3.5.0	D4205171B	January 2010 production	-
1.3.4.1	D4205171A	December 2009 production	-
1.2.2.0	D4205171	May 2009 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
1.5.6.0	<p>Others:</p> <ul style="list-style-type: none"> - <i>The "Cancel" button is now grayed out when performing an update, overwrite, or leftover data installation.</i> - <i>GSNX now attempts a retry when fax data reception fails.</i> <p>Fixed:</p> <ul style="list-style-type: none"> - <i>Users may be unable to log in to a Project after a Profile is synchronized to multiple devices at the same time.</i> - <i>Creating a subfolder on a Domain-based DFS system causes Send to Folder delivery to fail.</i> - <i>GSNX fails to deliver to a Domain-based DFS destination in a network where the server acting as the Domain controller and the server controlling the DFS system are different.</i> - <i>Fax delivery sometimes fails for certain device models.</i> <p>Update the Java VM to the latest version before installing this update.</p>

Reissued: 02-Nov-12

Model: XG-SD1		Date: 18-May-09	No.: RD420004j
Version	Modified Points or Symptom Corrected		
1.5.5.0	<p>Supported: GlobalScan NX now supports the following devices: Aficio MP 301 Aficio MPC 305/DSc530 Aficio MP 6002/7502/9002</p> <p>Fixed: The OCR Filter, PDF Converter, Image Convertor consume more of GlobalScan NX's memory than is necessary (Server Edition).</p>		
1.5.4.2	<p>Supported: GlobalScan NX Serverless/Business Server/Enterprise Server Edition V1.5.4.2 now supports the following devices: Aficio MP C4502 / Aficio MP C5502 / Aficio MP C3002 / Aficio MP C3502 / Aficio MP 4002 / Aficio MP 5002</p> <p>Others:</p> <ul style="list-style-type: none"> - A Windows Server 2008 R2 AD server is now supported for Active Directory Authentication. (Serverless Edition Only). - Send To Email plugin allows to use "Default Sender Address" as sender email address regardless of the login user's email address. - Send To Email plugin's email address validation now can be disabled. - Image Correction Filter's minimum supported resolution is expanded to 80dpi as inbound FAX sometimes has less than 100dpi resolution. - "RICOH" logo is added to installer and AdminTool. <p>Fixed:</p> <ul style="list-style-type: none"> - Scan Size setting may not be applied correctly if it is configured in System > Servie/Filter Settings > Scan Settings. - Unable to input capital letters as destination email address in Send To Email plugin. - 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. - Unable to process specific PNG format and image library stopped (Server Edition Only). - Saving TIFF image increase the image resolution unexpectedly (Server Edition Only). - OCR processing may result in buffer overrun (Server Edition Only). - Some wordings are corrected. 		
1.5.3.0	<p>1) Device Support Changes</p> <ul style="list-style-type: none"> - GlobalScan NX Serverless/Business Server/Enterprise Server Edition V1.5.3.0 now supports the following devices: Aficio SP 5200S/Aficio SP 5210SF/Aficio SP 5210SR/ Aficio MP 2352SP/Aficio MP 2852SP/Aficio MP 3352SP <p>2) Specification Changes</p> <ul style="list-style-type: none"> - A "Batch Download Logs" button has been added to the AdminTool's Maintenance Settings. It is used to download different log types from the 		

Reissued: 02-Nov-12

Model: XG-SD1	Date: 18-May-09	No.: RD420004j
Version	Modified Points or Symptom Corrected	
	<p>AdminTool and the selected devices in a batch operation.</p> <ul style="list-style-type: none"> - NTLM authentication requests now use standard formatting. Previous versions used a different formatting that could be authenticated even if the time skew between GSNX and the authenticating server was great. <p>3) Fixed Issues</p> <ul style="list-style-type: none"> - Fixed: The Send to Email function does not send Notifications. - Fixed: Wide format paper sizes would not be displayed on the Scan Size tab after updating to V1.5.2.0. - Fixed: Garbage/useless data would be included in imported Profiles. If a single Profile went through multiple export-import cycles, it could eventually cause SC997 on synchronization. <p>Fixed: 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.</p>	
1.5.2.0	<p>1) Device Support Changes</p> <ul style="list-style-type: none"> - GlobalScan NX Serverless/Business Server/Enterprise Server Editions V1.5.2.0 now supports the following device: Aficio MP 201F/201SPF. <p>2) Specification Changes</p> <ul style="list-style-type: none"> - Users can now scan directly from the Metadata input screen. - A new Scan Method, "Mixed Batch," was added. - Support for PDF/A when using the Send To E-mail's Page Divide function. - LDAP Search results are now sorted. - Support for the UPN (username@FQDN) is now available when using Active Directory as the authentication method. <p>Please note that if the UPN's FQDN and the domain stored in the AD authentication profile do not match, the UPN's domain must be registered as a trusted domain.</p> <ul style="list-style-type: none"> - NTLM v2 authentication is now supported for authenticating with a WebDAV server. <p>3) Fixed Issues</p> <ul style="list-style-type: none"> - Fixed: Projects requiring authentication cannot be logged in to on 4-line MFPs, if the project was searched for by number. - Fixed: Users could attempt to login to the SDK application during synchronization. This would always fail, and is no longer possible. - Fixed: E-mail addresses that GSNX failed to deliver to (due to an invalid IP address for the SMTP server, etc.) are included in the Job Log's "Destination Address" column. - Fixed: A SFTP connection session remains even after the FTP delivery service completes delivery. - Fixed: After upgrading GSNX Enterprise Server, only 32 devices remain in the Device list. - Fixed: Extra authentication information is included in imported profiles. - If the extra information builds up, it could eventually reduce performance when changing screens on the operation panel or SC997. 	

Reissued: 02-Nov-12

Model: XG-SD1		Date: 18-May-09	No.: RD420004j
Version	Modified Points or Symptom Corrected		
	<ul style="list-style-type: none"> - Fixed: Activation information is lost if a Remote Desktop Console session is used to perform an upgrade from GSNX V1.4.4 to GSNX V1.5. <p>4) Other</p> <ul style="list-style-type: none"> - When more devices are registered in the device list than the current edition allows, the extra devices must be deleted before synchronization or other device management actions can be performed. - This only occurs when an overwrite installation, leftover data installation, or backup data restoration occurs between different editions of GSNX. - GSNX no longer writes data to the SD-Card as a part of log creation. - When the "Cancel" button is used to cancel a job in the job queue, the cancelled job is now moved to the error queue. 		
1.4.4.0	<p>1) Device Support Changes</p> <p>GlobalScan NX Serverless/Business Server/Enterprise Server Editions V1.4.4.0 now supports the following devices:</p> <ul style="list-style-type: none"> - Aficio MP C300/C400/C4501/C5501/C3001/C3501/C2051/C2551/W2401/W3601 <p>The Aficio MP C300/C400 does have a limitation:</p> <ul style="list-style-type: none"> - GSNX v1.4.4.0 can only scan A4/Letter landscape documents on the Aficio MP C300/C400. <p>2) Specification Changes</p> <ul style="list-style-type: none"> - It is now possible to select the location where the output of the Metadata Replacement filter is saved. - SDK application version information and other data are now written to the GSNX system log when the MFP starts up. <p>3) Fixed Issues</p> <p>Fixed: Exported Replacement Tables that contain a comma in the Comparison Target String are not imported correctly.</p>		
1.4.2.0	Minor bug correction.		
1.3.5.0	<p>1) Device Support Changes</p> <ul style="list-style-type: none"> - GlobalScan NX Serverless/Business Server/Enterprise Server Editions V1.3.5 now supports the following devices: <ul style="list-style-type: none"> ▪ V-C3 <p>2) Specification Changes</p> <ul style="list-style-type: none"> - Support for Windows 7 Ultimate/Enterprise/Professional Edition has been added. - However, Windows 7 is only supported by GlobalScan NX Serverless Edition V1.3.5.0. <p>3) Fixed Issues</p> <ul style="list-style-type: none"> - Fixed: A communication error occurs while using GlobalScan NX's AdminTool. 		
1.3.4.1	<p>1) Device Support Changes</p> <ul style="list-style-type: none"> - GlobalScan NX Serverless/Business Server/Enterprise Server Editions V1.3.3 now supports the following devices: <ul style="list-style-type: none"> ▪ MT-C4 ▪ S-C4 		

Reissued: 02-Nov-12

Model: XG-SD1	Date: 18-May-09	No.: RD420004j
Version	Modified Points or Symptom Corrected	
	<p>2) Specification Changes</p> <ul style="list-style-type: none"> - Support for 64-bit versions of Windows 2003/2008 Standard/Enterprise Edition (including "without Hyper-V") has been added. - However, GSNX must be run in 64-bit compatible mode (WoW 64). This means GSNX runs as a 32-bit program even when using a Windows 64-bit OS. - Projects using an authentication profile are now supported for use on the S-C4. - If GlobalScan NX V1.3.3 is installed on a server where a data path for an older GSNX exists, activation information will be inherited regardless of any differences between the old and new data paths. - If "Delete data path" is selected when uninstalling GSNX V1.3.3, that activation information will be lost. - The SDK application's version number can now be displayed on the AdminTool's Device List. - A message warning users about active sessions will appear when attempting to do any of the following actions: <ul style="list-style-type: none"> ▪ Trying to close the web browser. ▪ Clicking the "Reload" button on the web browser. ▪ Accessing another web page directly from any screen of the GSNX AdminTool. - If an attempt is made login to the GSNX AdminTool while an administrator is already logged in, the IP address or hostname of the logged in administrator's PC will be included in the error dialog. - Performance when importing/exporting a profile has been improved. - If a Filter has settings available on the Filter tab of the GSNX AdminTool, that Filter Plug-in's Filter tab settings can be displayed on the MFP operation panel. - LDAP Authentication now supports two directory access methods: <ul style="list-style-type: none"> ▪ LDAP search (Proxy User and Search Query settings) ▪ Affixation (LDAP Prefix/Suffix settings) - LDAP searches using a Login User's account are now available when searching for a destination email address from the Send to Email Plug-in. - GSNX now supports Gmail's SMTP server. - "Send to Home Folder", when enabled, now has access to all of the same general settings as the Send to Folder Plug-in. - GSNX now displays "Home Folder" in the Selected Destinations list if "Send to Home Folder" is enabled. - Also, GSNX now allows access to any subfolders located in the Home Folder as long as "Enable Subfolder Browsing" for Send to Home Folder is enabled. - GSNX V1.3.3 now supports multidomain authentication. GSNX assumes that the host exists on the same domain as the authentication server if only a hostname is used to access a user's Home Folder (homedirectory) when using "Send to Home Folder". - LDAP authentication is now supported for use with the Send to Home Folder function of the Send to Folder Plug-in. - Passwords added when using the PDF Converter Plug-in of GSNX Serverless Edition now function correctly. - Password policy (character length, regular expressions) and password confirmation settings have been added to the PDF Converter Plug-in. - The name and description shown on the MFP's Extended Feature Settings screen has been changed to the following: 	

Reissued: 02-Nov-12

Model: XG-SD1	Date: 18-May-09	No.: RD420004j
Version	Modified Points or Symptom Corrected	
	<ul style="list-style-type: none"> • Name: "GS-NX" (This name is also displayed when the MFP function button assigned to GSNX is pressed.) • Description: "GlobalScan NX" <p>- Support for Equitrac PCC V4.01 has been added.</p> <p>3) Fixed Issues</p> <ul style="list-style-type: none"> - Fixed: Performing an overwrite install for update purposes fails if the previous version of GSNX has never been launched. - Fixed: Cancelled jobs may remain in the AdminTool's Job Queue. - Fixed: GSNX sends all the scanned data again when GSNX fails to completely send scanned data to the destination. The fixed specification will only resend the data that failed to be sent. Data that was sent correctly will no longer be resent. - Fixed: GSNX fails to import a profile that only contains hidden groups. - Fixed: When restoring backup data created by GSNX Serverless Edition on GSNX Server Edition, PDF user/master passwords stored in the PDF Converter Plug-in will not be restored. - Fixed: If a project that has the Send to Folder Plug-in's "Selected Destinations" set as a "Hidden Items" is imported from GSNX V1.2.x or earlier (via backup data import/restore, overwrite install, or leftover data install), GSNX does not check the write access rights for that project's destinations. - Fixed: Home folders cannot be selected as a destination for projects that add a new Send to Folder Plug-in when "Enable Send to Home Folder" is activated by default in the System Settings or Profile Properties. 	
1.2.2.0	<p>Added support for new device:</p> <p>1) MT-C4, a 08A device, is now supported for use with GlobalScan NX.</p> <p>Fixed Issues:</p> <ol style="list-style-type: none"> 1). Previous versions of GlobalScan NX had slow screen changes, especially when accessing the project list screen, the scan settings screen, and the service menu screen. These screens have been speed up. 2). Files smaller than 43 bytes can now be uploaded when using an SSL connection with the built-in web server. 3). An issue that may have caused SDK application update installs to fail has been fixed. 4). An issue where data might be sent between the AdminTool and the PC where GlobalScan NX is installed (Server or Serverless versions) without being encrypted has been fixed. 5). An issue that prevented some information from being converted from version 1.1.x to version 1.2 during an update install has been fixed. 	

Reissued: 02-Nov-12

Model: XG-SD1	Date: 28-Jul-10	No.: RD420007j
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RTB Reissue

The items in bold italics have been corrected.

Subject: Release Note: GlobalScan NX		Prepared by: M. Horikoshi	
From: Solution Support Sect., Solution Support Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Other ()	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the module release information for the **GlobalScan NX for RAC**.

Version	Program No.	Effective Date	Availability of RFU
1.5.6.0	D4205201H	October 2012 production	Not available
1.5.5.0	D4205201G	May 2012 production	Not available
1.5.4.2	D4205201F	March 2012 production	Not available
1.5.4.0	D4205201E	January 2012 production	Not available
1.5.3.0	D4205201D	September 2011 production	Not available
1.5.2.0	D4205201C	June 2011 production	Not available
1.5.1.0	D4205201B	May 2011 production	Not available
1.4.4.0	D4205201A	November 2010 production	Not available
1.4.1.0	D4205201	1st Mass 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
1.5.6.0	<p>Others:</p> <ul style="list-style-type: none"> - The "Cancel" button is now grayed out when performing an update, overwrite, or leftover data installation. - GSNX now attempts a retry when fax data reception fails. <p>Fixed:</p> <ul style="list-style-type: none"> - Users may be unable to log in to a Project after a Profile is synchronized to multiple devices at the same time. - Creating a subfolder on a Domain-based DFS system causes Send to Folder delivery to fail. - GSNX fails to deliver to a Domain-based DFS destination in a network where the server acting as the Domain controller and the server controlling the DFS system are different. - Fax delivery sometimes fails for certain device models. <p>Update the Java VM to the latest version before installing this update.</p>

Reissued: 02-Nov-12

Model: XG-SD1	Date: 28-Jul-10	No.: RD420007j
1.5.5.0	<p>Supported: GlobalScan NX now supports the following devices: Aficio MP 301 Aficio MPC 305/DSc530 Aficio MP 6002/7502/9002</p> <p>Fixed: The OCR Filter, PDF Converter, Image Converter consume more of GlobalScan NX's memory than is necessary (Server Edition).</p>	
1.5.4.2	<p>Supported: GlobalScan NX Serverless/Business Server/Enterprise Server Edition V1.5.4.2 now supports the following devices: Aficio MP C4502 / Aficio MP C5502 / Aficio MP C3002 / Aficio MP C3502 / Aficio MP 4002 / Aficio MP 5002</p>	
1.5.4.0	<p>Others:</p> <ul style="list-style-type: none"> - A Windows Server 2008 R2 AD server is now supported for Active Directory Authentication. (Serverless Edition Only). - Send To Email plugin allows to use "Default Sender Address" as sender email address regardless of the login user's email address. - Send To Email plugin's email address validation now can be disabled. <p>Fixed:</p> <ul style="list-style-type: none"> - Scan Size setting may not be applied correctly if it is configured in System > Service/Filter Settings > Scan Settings. - Unable to input capital letters as destination email address in Send To Email plugin. - 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. - Some wordings are corrected. 	

Reissued: 02-Nov-12

Model: XG-SD1	Date: 28-Jul-10	No.: RD420007j
1.5.3.0	<p>1) Device Support Changes</p> <ul style="list-style-type: none"> - GlobalScan NX Serverless/Business Server/Enterprise Server Edition V1.5.3.0 now supports the following devices: Aficio SP 5200S/Aficio SP 5210SF/Aficio SP 5210SR/ Aficio MP 2352SP/Aficio MP 2852SP/Aficio MP 3352SP <p>2) Specification Changes</p> <ul style="list-style-type: none"> - A "Batch Download Logs" button has been added to the AdminTool's Maintenance Settings. It is used to download different log types from the AdminTool and the selected devices in a batch operation. - The default scan size for A4 (Letter) devices has been changed to "8 1/2 x 11 LandScape". - NTLM authentication requests now use standard formatting. Previous versions used a different formatting that could be authenticated even if the time skew between GSNX and the authenticating server was great. <p>3) Fixed Issues</p> <ul style="list-style-type: none"> - Fixed: The Send to Email function does not send Notifications. - Fixed: Wide format paper sizes would not be displayed on the Scan Size tab after updating to V1.5.2.0. - Fixed: Garbage/useless data would be included in imported Profiles. If a single Profile went through multiple export-import cycles, it could eventually cause SC997 on synchronization. - Fixed: 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. 	
1.5.2.0	<p>1) Fixed Issues</p> <p>Fixed: Activation information is lost if a Remote Desktop Console session is used to perform an upgrade from GSNX V1.4.4 to GSNX V1.5.</p> <p>2) Other</p> <p>When the "Cancel" button is used to cancel a job in the job queue, the cancelled job is now moved to the error queue.</p>	

Reissued: 02-Nov-12

Model: XG-SD1	Date: 28-Jul-10	No.: RD420007j
1.5.1.0	<p>1) Device Support Changes GlobalScan NX Serverless/Business Server/Enterprise Server Editions V1.5.1.0 now supports the following device: Aficio MP 201F/201SPF.</p> <p>2) Specification Changes Users can now scan directly from the Metadata input screen. A new Scan Method, "Mixed Batch," was added. Support for PDF/A when using the Send To E-mail's Page Divide function. LDAP Search results are now sorted. Support for the UPN (username@FQDN) is now available when using Active Directory as the authentication method. Please note that if the UPN's FQDN and the domain stored in the AD authentication profile do not match, the UPN's domain must be registered as a trusted domain. NTLM v2 authentication is now supported for authenticating with a WebDAV server.</p> <p>3) Fixed Issues Fixed: Projects requiring authentication cannot be logged in to on 4-line MFPs, if the project was searched for by number. Fixed: E-mail addresses that GSNX failed to deliver to (due to an invalid IP address for the SMTP server, etc.) are included in the Job Log's "Destination Address" column. Fixed: A SFTP connection session remains even after the FTP delivery service completes delivery. Fixed: After upgrading GSNX Enterprise Server, only 32 devices remain in the Device list. Fixed: Extra authentication information is included in imported profiles. If the extra information builds up, it could eventually reduce performance when changing screens on the operation panel or SC997.</p> <p>4) Other When more devices are registered in the device list than the current edition allows, the extra devices must be deleted before synchronization or other device management actions can be performed. This only occurs when an overwrite installation, leftover data installation, or backup data restoration occurs between different editions of GSNX. GSNX no longer writes data to the SD-Card as a part of log creation.</p>	

Reissued: 02-Nov-12

Model: XG-SD1	Date: 28-Jul-10	No.: RD420007j
1.4.4.0	<p>1) Device Support Changes GlobalScan NX Serverless/Business Server/Enterprise Server Editions V1.4.4.0 now supports the following devices: Aficio MP C300/C400/C4501/C5501/C3001/C3501/C2051/C2551/ W2401/W3601 The Aficio MP C300/C400 does have a limitation: GSNX v1.4.4.0 can only scan A4/Letter landscape documents on the Aficio MP C300/C400.</p> <p>2) Specification Changes It is now possible to select the location where the output of the Metadata Replacement filter is saved. SDK application version information and other data are now written to the GSNX system log when the MFP starts up.</p> <p>3) Fixed Issues Fixed: Exported Replacement Tables that contain a comma in the Comparison Target String are not imported correctly.</p>	

Reissued: 02-Nov-12

Model: XG-SD1	Date: 28-Jul-10	No.: RD420007j
1.4.1.0	<p>Device Support Changes</p> <ul style="list-style-type: none"> - GlobalScan NX Serverless/Business Server/Enterprise Server Editions V1.4.1.0 now supports the following devices: <ul style="list-style-type: none"> ➤ Be-C1 ➤ N-C3 <p>2) Specification Changes</p> <ul style="list-style-type: none"> - A hardware key can now be used to access the project search function on the Model Aficio MP 171SPF/LD117SPF/917SPF. - The GlobalScan NX icon is now displayed on the Extended Features screen. - The Activation Tool can now be used to activate the Kerberos option. - The Kerberos option is now supported for use with GSNX Serverless. - "Passwordless Authentication" (Active Directory and LDAP) has been added as an authentication method. - A confirmation dialogue now appears when a scan job completes. - Wide format paper sizes have been added to scan settings menu. - "Continue flow without performing replacement" has been added to the "Select Action when Table Data does not Match" menu. - A log entry is recorded in the Syslog when the metadata replacement filter does not match. - The tag "JIS" has been added to the "Bx" paper size.(e.g.; B4 JIS) - The dayofweek and generationDate(Local) metadata fields have been added. - The Error Queue now supports batch downloading of error images. - The IP address field of the device list now links to each registered device's Web Image Monitor. - A Plug-in Information page has been added to the AdminTool. - "Logical Division (Join Automatically)" has been added as an e-mail attachment Size Divide option. - Support for PDF/A has been added to the PDF Converter. - The user's home folder and email address can now be retrieved from an authentication server that is not used for the authentication profile. - The total number of entries for the replacement table has been raised from 1000 to 2000. - New fax templates for fax delivery based on day of the week or time are available for installation with the other project templates. <p>3) Fixed Issues</p> <ul style="list-style-type: none"> - Fixed: When logging in to the project without a password, delivery fails if scan to home folder is used. - Fixed: The Operation panel locks as a result of logging out via the logout key while a dialog box is displayed. - Fixed: LDAP server address search fails if the DN of the login user is required when attempting email delivery. - Fixed: The Start key turns red and cannot be pressed if the project only contains Flow Redirect and was restored from a profile created by GSNX v1.3.4.0 or earlier. - Fixed: The Start key would turn green when the error dialog that appears when the same password is input as both the user and master passwords for the PDF conversion filter is closed. 	

Reissued: 02-Nov-12

Model: XG-SD1	Date: 14-Sep-10	No.: RD420009g
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RTB Reissue

The items in bold italics have been corrected.

Subject: Release Note: GlobalScan NX (Update Module)		Prepared by: M. Horikoshi	
From: Solution Support Sect., Solution Support Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Other ()	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the module release information for the **GlobalScan NX**.

This module is used for updating the GlobalScan NX SDK application from ver. 1.3.x using Remote Manager.

Version	Program No.	Effective Date	Availability of RFU
1.5.6.0	D4205271F	October 2012 production	-
1.5.5.0	D4205271E	May 2012 production	-
1.5.4.2	D4205271D	March 2012 production	-
1.5.3.0	D4205271C	October 2011 production	-
1.5.2.0	D4205271B	June 2011 production	-
1.4.4.0	D4205271A	December 2010 production	-
1.4.2.0	D4205271	1st Mass 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
1.5.6.0	<p>Others:</p> <ul style="list-style-type: none"> - The "Cancel" button is now grayed out when performing an update, overwrite, or leftover data installation. - GSNX now attempts a retry when fax data reception fails. <p>Fixed:</p> <ul style="list-style-type: none"> - Users may be unable to log in to a Project after a Profile is synchronized to multiple devices at the same time. - Creating a subfolder on a Domain-based DFS system causes Send to Folder delivery to fail. - GSNX fails to deliver to a Domain-based DFS destination in a network where the server acting as the Domain controller and the server controlling the DFS system are different. - Fax delivery sometimes fails for certain device models. <p>Update the Java VM to the latest version before installing this update.</p>

Reissued: 02-Nov-12

Model: XG-SD1	Date: 14-Sep-10	No.: RD420009g
1.5.5.0	<p>Supported: GlobalScan NX now supports the following devices: Aficio MP 301 Aficio MPC 305/DSc530 Aficio MP 6002/7502/9002</p> <p>Fixed: The OCR Filter, PDF Converter, Image Converter consume more of GlobalScan NX's memory than is necessary (Server Edition).</p>	
1.5.4.2	<p>Supported: GlobalScan NX Serverless/Business Server/Enterprise Server Edition V1.5.4.2 now supports the following devices: Aficio MP C4502 / Aficio MP C5502 / Aficio MP C3002 / Aficio MP C3502 / Aficio MP 4002 / Aficio MP 5002</p> <p>Others:</p> <ul style="list-style-type: none"> - A Windows Server 2008 R2 AD server is now supported for Active Directory Authentication. (Serverless Edition Only). - Send To Email plugin allows to use "Default Sender Address" as sender email address regardless of the login user's email address. - Send To Email plugin's email address validation now can be disabled. - Image Correction Filter's minimum supported resolution is expanded to 80dpi as inbound FAX sometimes has less than 100dpi resolution. - "RICOH" logo is added to installer and AdminTool. <p>Fixed:</p> <ul style="list-style-type: none"> - Scan Size setting may not be applied correctly if it is configured in System > Servie/Filter Settings > Scan Settings. - Unable to input capital letters as destination email address in Send To Email plugin. - 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. - Unable to process specific PNG format and image library stopped (Server Edition Only). - Saving TIFF image increase the image resolution unexpectedly (Server Edition Only). - OCR processing may result in buffer overrun (Server Edition Only). - Some wordings are corrected. 	
1.5.3.0	<p>1) Device Support Changes</p> <ul style="list-style-type: none"> - GlobalScan NX Serverless/Business Server/Enterprise Server Edition V1.5.3.0 now supports the following devices: Aficio SP 5200S/Aficio SP 5210SF/Aficio SP 5210SR/Aficio MP 2352SP/ Aficio MP 2852SP/Aficio MP 3352SP <p>2) Specification Changes</p> <ul style="list-style-type: none"> - A "Batch Download Logs" button has been added to the AdminTool's Maintenance Settings. It is used to download different log types from the 	

Reissued: 02-Nov-12

Model: XG-SD1	Date: 14-Sep-10	No.: RD420009g
	<p>AdminTool and the selected devices in a batch operation.</p> <ul style="list-style-type: none"> - The default scan size for A4 (Letter) devices has been changed to "8 1/2 x 11 LandScape". - NTLM authentication requests now use standard formatting. Previous versions used a different formatting that could be authenticated even if the time skew between GSNX and the authenticating server was great. <p>3) Fixed Issues</p> <ul style="list-style-type: none"> - Fixed: The Send to Email function does not send Notifications. - Fixed: Wide format paper sizes would not be displayed on the Scan Size tab after updating to V1.5.2.0. - Fixed: Garbage/useless data would be included in imported Profiles. If a single Profile went through multiple export-import cycles, it could eventually cause SC997 on synchronization. - Fixed: 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. 	
1.5.2.0	<p>1) Device Support Changes</p> <ul style="list-style-type: none"> - GlobalScan NX Serverless/Business Server/Enterprise Server Editions V1.5.2.0 now supports the following device: Aficio MP 201F/201SPF. <p>2) Specification Changes</p> <ul style="list-style-type: none"> - Users can now scan directly from the Metadata input screen. - A new Scan Method, "Mixed Batch," was added. - Support for PDF/A when using the Send To E-mail's Page Divide function. - LDAP Search results are now sorted. - Support for the UPN (username@FQDN) is now available when using Active Directory as the authentication method. <p>Please note that if the UPN's FQDN and the domain stored in the AD authentication profile do not match, the UPN's domain must be registered as a trusted domain.</p> <ul style="list-style-type: none"> - NTLM v2 authentication is now supported for authenticating with a WebDAV server. <p>3) Fixed Issues</p> <ul style="list-style-type: none"> - Fixed: Projects requiring authentication cannot be logged in to on 4-line MFPs, if the project was searched for by number. - Fixed: Users could attempt to login to the SDK application during synchronization. This would always fail, and is no longer possible. - Fixed: E-mail addresses that GSNX failed to deliver to (due to an invalid IP address for the SMTP server, etc.) are included in the Job Log's "Destination Address" column. - Fixed: A SFTP connection session remains even after the FTP delivery service completes delivery. - Fixed: After upgrading GSNX Enterprise Server, only 32 devices remain in the Device list. - Fixed: Extra authentication information is included in imported profiles. - If the extra information builds up, it could eventually reduce performance when 	

Reissued: 02-Nov-12

Model: XG-SD1	Date: 14-Sep-10	No.: RD420009g
	<p>changing screens on the operation panel or SC997.</p> <ul style="list-style-type: none"> - Fixed: Activation information is lost if a Remote Desktop Console session is used to perform an upgrade from GSNX V1.4.4 to GSNX V1.5. <p>4) Other</p> <ul style="list-style-type: none"> - When more devices are registered in the device list than the current edition allows, the extra devices must be deleted before synchronization or other device management actions can be performed. - This only occurs when an overwrite installation, leftover data installation, or backup data restoration occurs between different editions of GSNX. - GSNX no longer writes data to the SD-Card as a part of log creation. - When the "Cancel" button is used to cancel a job in the job queue, the cancelled job is now moved to the error queue. 	
1.4.4.0	<p>1) Device Support Changes GlobalScan NX Serverless/Business Server/Enterprise Server Editions V1.4.4.0 now supports the following devices:</p> <ul style="list-style-type: none"> - Aficio MP C300/C400/C4501/C5501/C3001/C3501/C2051/C2551/W2401/W3601 <p>The Aficio MP C300/C400 does have a limitation:</p> <ul style="list-style-type: none"> - GSNX v1.4.4.0 can only scan A4/Letter landscape documents on the Aficio MP C300/C400. <p>2) Specification Changes</p> <ul style="list-style-type: none"> - It is now possible to select the location where the output of the Metadata Replacement filter is saved. - SDK application version information and other data are now written to the GSNX system log when the MFP starts up. <p>3) Fixed Issues Fixed: Exported Replacement Tables that contain a comma in the Comparison Target String are not imported correctly.</p>	
1.4.2.0	Minor bug correction.	

Reissued: 02-Nov-12

Model: XG-SD1	Date: 20-Jul-11	No.: RD420010f
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RTB Reissue

The items in bold italics have been corrected.

Subject: Release Note: GlobalScan NX		Prepared by: M.Horikoshi	
From: Solution Support Sect., Solution Support Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Other ()	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the module release information for the **GlobalScan NX for RCN**.

Version	Program No.	Effective Date	Availability of RFU
1.5.6.0	D4205261E	October 2012 production	Not available
1.5.5.0	D4205261D	May 2012 production	Not available
1.5.4.2	D4205261C	March 2012 production	Not available
1.5.4.0	D4205261B	January 2012 production	Not available
1.5.3.0	D4205261A	October 2011 production	Not available
1.5.2.0	D4205261	1st Mass 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
1.5.6.0	<p>Others:</p> <ul style="list-style-type: none"> - The "Cancel" button is now grayed out when performing an update, overwrite, or leftover data installation. - GSNX now attempts a retry when fax data reception fails. <p>Fixed:</p> <ul style="list-style-type: none"> - Users may be unable to log in to a Project after a Profile is synchronized to multiple devices at the same time. - Creating a subfolder on a Domain-based DFS system causes Send to Folder delivery to fail. - GSNX fails to deliver to a Domain-based DFS destination in a network where the server acting as the Domain controller and the server controlling the DFS system are different. - Fax delivery sometimes fails for certain device models. <p>Update the Java VM to the latest version before installing this update.</p>
1.5.5.0	<p>Supported:</p> <p>GlobalScan NX now supports the following devices: Aficio MP 301 Aficio MPC 305/DSc530 Aficio MP 6002/7502/9002</p> <p>Fixed:</p> <p>The OCR Filter, PDF Converter, Image Converter consume more of GlobalScan NX's</p>

Reissued: 02-Nov-12

Model: XG-SD1	Date: 20-Jul-11	No.: RD420010f
Version	Modified Points or Symptom Corrected	
	memory than is necessary (Server Edition).	
1.5.4.2	Supported: GlobalScan NX Serverless/Business Server/Enterprise Server Edition V1.5.4.2 now supports the following devices: Aficio MP C4502 / Aficio MP C5502 / Aficio MP C3002 / Aficio MP C3502 / Aficio MP 4002 / Aficio MP 5002	
1.5.4.0	Others: - A Windows Server 2008 R2 AD server is now supported for Active Directory Authentication. (Serverless Edition Only). - Send To Email plugin allows to use "Default Sender Address" as sender email address regardless of the login user's email address. - Send To Email plugin's email address validation now can be disabled. Fixed: - Scan Size setting may not be applied correctly if it is configured in System > Servie/Filter Settings > Scan Settings. - Unable to input capital letters as destination email address in Send To Email plugin. - 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. - Some wordings are corrected.	
1.5.3.0	1. Device Support Changes - GlobalScan NX Serverless/Business Server/Enterprise Server Edition V1.5.3.0 now supports the following devices: Aficio SP 5200S/Aficio SP 5210SF/Aficio SP 5210SR/Aficio MP 2352SP/Aficio MP 2852SP/Aficio MP 3352SP 2. Specification Changes - A "Batch Download Logs" button has been added to the AdminTool's Maintenance Settings. It is used to download different log types from the AdminTool and the selected devices in a batch operation. - NTLM authentication requests now use standard formatting. Previous versions used a different formatting that could be authenticated even if the time skew between GSNX and the authenticating server was great. 3. Fixed Issues - Fixed: The Send to Email function does not send Notifications. - Fixed: Wide format paper sizes would not be displayed on the Scan Size tab after updating to V1.5.2.0. - Fixed: SC997 occurs in a device when It perform the synchronization of the profile in the environment that performed the import of the profile many times. - Fixed: 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.	

Reissued: 02-Nov-12

Model: XG-SD1	Date: 20-Jul-11	No.: RD420010f
Version	Modified Points or Symptom Corrected	
1.5.2.0	1st Mass production	

Reissued: 02-Nov-12

Model: XG-SD1	Date: 25-Oct-11	No.: RD420013d
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RTB Reissue

The items in bold italics have been added.

Subject: Release Note: GlobalScan NX (Update Module)		Prepared by: M.Horikoshi	
From: Solution Support Sect., Solution Support Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Other (Firmware)	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **GlobalScan NX (Update Module) for RCN**.

Version	Program No.	Effective Date	Availability of RFU
1.5.6.0	D4205281C	October 2012 production	Not available
1.5.5.0	D4205281B	June 2012 production	Not available
1.5.4.2	D4205281A	March 2012 production	Not available
1.5.3.0	D4205281	1st Mass 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
1.5.6.0	<p>Others:</p> <ul style="list-style-type: none"> - The "Cancel" button is now grayed out when performing an update, overwrite, or leftover data installation. - GSNX now attempts a retry when fax data reception fails. <p>Fixed:</p> <ul style="list-style-type: none"> - Users may be unable to log in to a Project after a Profile is synchronized to multiple devices at the same time. - Creating a subfolder on a Domain-based DFS system causes Send to Folder delivery to fail. - GSNX fails to deliver to a Domain-based DFS destination in a network where the server acting as the Domain controller and the server controlling the DFS system are different. - Fax delivery sometimes fails for certain device models. <p>Update the Java VM to the latest version before installing this update.</p>
1.5.5.0	<p>Supported: GlobalScan NX now supports the following devices: Aficio MP 301 Aficio MPC 305/DSc530 Aficio MP 6002/7502/9002</p> <p>Fixed: The OCR Filter, PDF Converter, Image Converter consume more of GlobalScan NX's memory than is necessary (Server Edition).</p>

Reissued: 02-Nov-12

Model: XG-SD1	Date: 25-Oct-11	No.: RD420013d
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Version	Modified Points or Symptom Corrected
1.5.4.2	<p>Supported: GlobalScan NX Serverless/Business Server/Enterprise Server Edition V1.5.4.2 now supports the following devices: Aficio MP C4502 / Aficio MP C5502 / Aficio MP C3002 / Aficio MP C3502 / Aficio MP 4002 / Aficio MP 5002</p> <p>Others:</p> <ul style="list-style-type: none"> - A Windows Server 2008 R2 AD server is now supported for Active Directory Authentication. (Serverless Edition Only). - Send To Email plugin allows to use "Default Sender Address" as sender email address regardless of the login user's email address. - Send To Email plugin's email address validation now can be disabled. - Image Correction Filter's minimum supported resolution is expanded to 80dpi as inbound FAX sometimes has less than 100dpi resolution. - "RICOH" logo is added to installer and AdminTool. <p>Fixed:</p> <ul style="list-style-type: none"> - Scan Size setting may not be applied correctly if it is configured in System > Servie/Filter Settings > Scan Settings. - Unable to input capital letters as destination email address in Send To Email plugin. - 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. - Unable to process specific PNG format and image library stopped (Server Edition Only). - Saving TIFF image increase the image resolution unexpectedly (Server Edition Only). - OCR processing may result in buffer overrun (Server Edition Only). - Some wordings are corrected.
1.5.3.0	1st Mass production