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\*\*\* Basic Information \*\*\*  
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[Create date] 2017/10/30  
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[Program Name] System  
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[Version] 1.15  
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[PCB No.]  
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[Interchangeability] X / O  
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[Other Firmware Requirements] None  
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[PCB Requirements] None  
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[Software category] Normal Release  
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[Release category] Normal Release  
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[Program category] Firmware  
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Exported to(language) GEN(all)

[Firmware No.] M1255562R

[File Information]

File Name M1255562R.fwu

File Type Module for Service

Size 15.07 MB ( 15799900 byte )

[File Information]

File Name M1255562R.rfu

File Type Module for Remote Upgrade

Size 15.07 MB ( 15806720 byte )

[Availability of RFU] Yes  
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[Production reflection] 2017/11  
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\*\*\* Note \*\*\*  
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[Note]  
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\*\*\* Important Notes \*\*\*  
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[Important Notes]  
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\*\*\* Modification History \*\*\*  
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[Modifications made:]

Symptom corrected:

An invalid value is returned when obtaining the counter MIB, ricohEngCounterValue, during device shutdown.

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[Modification history]

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Version 1.14

Other changes:

Toner near end threshold values in SP3-110-001 ~ 004 can be adjusted via @Remote and added to the device status of the @Remote center server UI.

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Version 1.13

Other changes:

- Added support for adhering to the Lot 6 regulation of the EU in European devices.

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Version 1.12

Symptom corrected:

SC867 may occur if an SDK application is (already) installed on the machine.

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Version 1.11

Error correction:

If "AAM-E for 4.3 inch panel printer" included in SLNX or CAP v2 is installed to the device, users cannot log in to Web Image Monitor.

Other changes:

Supports IPv6 and DNS communication with @Remote.

IMPORTANT: To apply the above change(s), make sure to install this firmware together as a set with the following:

Network Support firmware (M1255563) v12.37 or later

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Version 1.10

Symptom corrected:

- When connecting to an LDAP server, such as Oracle LDAP server, by using SSL, the connection might fail.
- Machine may not recover from sleep mode.
- Jam history does not appear on the SMC report, if the report is exported to an SD card.

Other changes:

- Support for AirPrint.

This firmware is dependent on the following firmware module.

Please be sure to update it:

- Network Support firmware: v12.36 or later (M1255563H)
- Printer firmware: v1.07 or later (M1255572H)

- Web Support firmware: v1.06 or later (M1255565H)
- PDF firmware: v1.03 or later (M1255559D)

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Version 1.09  
Spec Change  
Support Korean model

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Version 1.08  
Specification change  
Changes applied for the Japan model (third-vendor related).

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Version 1.07  
Symptom corrected:  
1. The machine responds incorrectly when a password is set that does not conform to the password policy.  
2. The image may be rotated 90 degrees and not appear as expected if a paper tray is selected manually (when paper runs out in another tray or tray settings do not machine the specified size/type).

Other changes:  
1. The user can change the function priority setting (On/Off; SP mode).

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Version 1.06  
Symptom Corrected:  
1. Saddle stitch staple function is disabled with Booklet Finisher SR3110 when Thick 1 paper is selected as a cover sheet.  
Note: To apply this change, make sure to update to Printer Ver.1.06 (M1255572G) or later.

2. The machine does not detect a USB storage device inserted into the SD slot.
3. The machine stops detecting USB storage devices that support encryption after a USB device that does not support encryption is connected.
4. The time correction for Summer Time (Southern Hemisphere) is not applied after the setting is enabled.
5. The machine may stall due to a memory leak when Preferences import/export is executed.
6. Paper width Length less than 105mm: Lead to low productivity.
7. The machine cannot be rebooted properly when you selected [Prohibit] under "Change Firmware Structure" in administrator mode.

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Version 1.05  
Symptom corrected:  
1. The security stamp may not be printed correctly after enabling the Compulsory Security Stamp for the Printer.  
2. @Remote communication may fail.  
IMPORTANT: To apply this change, make sure to update to Network

Support v12.34 (M1255563F) or later.

3. The name of an SDK application may not change to the corresponding language after changing the display language.
4. Cannot login when attempting to login from the operation panel and from WIM at the same time, and the login process cannot be cancelled.
5. The machine may stall while the data-in lamp is blinking during the printing of many pages.

Other changes:

SP5305-101 was newly added to comply with Blue Angel regulations.

**IMPORTANT:** Make sure to do the following to ensure full compliance with Blue Angel:

- 1) Set SP5305-101 (default: 0) to a value of 1 after installing the new firmware.  
By doing this, the setting parameters and ranges regarding Sleep Mode will change to those that comply with the Blue Angel requirements.
- 2) Update to the following firmware versions:
  - Printer: v1.05 (M1255572F) or later
  - Web support: v1.04 (M1255565F) or later

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Version 1.04

Symptom corrected:

1. Cannot log out after removing the IC card.
2. Cannot modify the SDK authentication settings using a utility (Birdie); Settings for SDK1 are overwritten instead.
3. Cannot update the firmware if an RFU (remote firmware update) is attempted via the UZ-A1 (FTP) while the engine is in Energy Saver mode (reason: the firmware update screen does not appear).
4. The SP default values that were modified by an Engine firmware modification appear as defaults on the SMC sheet.
5. Cannot send to shared folders in a Mac OSX 10.7 or Mac OSX 10.8 using Scan to Folder.

Important: To apply the change, you also need to install the Network Support firmware v12.33 or later.

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Version 1.02

1st Mass production



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\*\*\* Basic Information \*\*\*  
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[Create date] 2017/05/22  
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[Program Name] Network Support  
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[Version] 12.39  
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[PCB No.]  
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[Interchangeability] X / O  
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[Other Firmware Requirements] None  
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[PCB Requirements] None  
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[Software category] Normal Release  
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[Release category] Normal Release  
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[Program category] Firmware  
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Exported to(language) GEN(all)

[Firmware No.] M1255563L

[File Information]

File Name      M1255563L.fwu

File Type      Module for Service

Size            9.16 MB ( 9608256 byte )

[File Information]

File Name      M1255563L.rfu

File Type      Module for Remote Upgrade

Size            9.17 MB ( 9613568 byte )  
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[Production reflection] 2017/04  
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\*\*\* Note \*\*\*  
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[Note]  
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\*\*\* Important Notes \*\*\*  
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[Important Notes]  
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\*\*\* Modification History \*\*\*  
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[Modifications made:]

Symptom Corrected:

1. When the device is set to use "IEEE 802.1X" and "TLS1.2" is set to "active", authentication will fail.
2. When the device is in Energy Saver Mode, if information about the network interface for the device is being obtained from the SNMP Manager application, nonexistent errors are recorded in the system logs.

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[Modification history]  
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Version 12.38

Other changes:

Added support for adhering to the Lot 6 regulation of the EU in European devices.

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Version 12.37

Other changes:

Supports IPv6 and DNS communication with @Remote.

IMPORTANT: To apply the above change(s), make sure to install this firmware together as a set with the following:

System/Copy firmware (M1255562) v1.11 or later

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Version 12.36

Symptom corrected:

1. When the device is in Energy Saver Mode, if information about the network interface for the device is being obtained from the SNMP Manager application, nonexistent errors are recorded in the system logs.
2. When the display language of the operation panel is set to Catalan, Scan to Folder fails.

Other changes:

1. When printing from the Windows operating system, if the RAW protocol is used for the standard TCP/IP port, a significant amount of time might pass until the next job is printed. Because of this, the initial print timeout period is changed to 15 seconds and the shortest timeout period that can be set is changed to 5 seconds.
2. Support for AirPrint.

This firmware is dependent on the following firmware module.

Please be sure to update it:

- System firmware: v1.10 or later (M1255562L)
- Printer firmware: v1.07 or later (M1255572H)
- Web Support firmware: v1.06 or later (M1255565H)

- PDF firmware: v1.03 or later (M1255559D)

3. Changed the DH key specification to use 2,048 bits instead of 512 bits to prevent the Logjam vulnerability (CVE-2015-4000).  
In addition, by modifying this specification, SSL/TLS communication can be established when using Mac OS X 10.10.4 and iOS 8.4.

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#### Version 12.35

Symptom corrected:

1. When DHCP is enabled and the network settings are changed, it might take more than two minutes for the settings to finish updating.
2. When simultaneously printing from AppleTalk on a Mac and a protocol other than AppleTalk in Windows, an SC899 error might occur.
3. When PEAP or TTLS is used as the IEEE 802.1X authentication method and the server certification check is disabled, the IP address might not be obtained after the device is restarted.

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#### Version 12.34

Symptom corrected:

- Although the LLMNR of IPv4 and IPv6 are enabled in Web Image Monitor, it might not affect the printed result of the NIB Summary (SP5-990-007) and/or the Print List in Interface Settings of System Settings.
- When DHCP v6 is enabled, turning the power off and then on might cause a memory leak.
- @Remote communication may fail.

Note: To apply this change, make sure to update to System v1.05 (M1255562F) or later.

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#### Version 12.33

Symptom corrected:

- When NBT is "OFF", Browse list is not shown if touch the Browse Network button on destination folder of Scan to folder.
  - Cannot scan to shared folders in Windows 8.
  - SMB timeout increased to 20 seconds ( from 10 seconds ).
  - Cannot scan to shared folders in Mac OS X 10.7 or Mac OS X 10.8.
- This firmware is dependent on the following firmware modules.  
Please be sure to update all of them:  
System/Copy firmware v1.04 or later.
- Unable to set the Mask Length in Configuration > User Authentication Management when the user sets the IPv6 Access Control Range as Mask in Configuration > Security > Access Control in the Web Image Monitor.
  - SC899 may be displayed when Wireless LAN card error occurs.

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#### Version 12.32



Symptom corrected:

- If the MFP acquires its hostname from DHCP, the NCS daemon's boot process will restart. While NCS is restarting, it is unable to respond to requests from the printing system to start some of the printing-related services (diprint, lpd, usbd, wsprnd...).
- DHCP option 204 has no effect on device settings.
- If the device is unable to login to Active Directory (because of a bad password for example), it will continue to try logging in and the account will eventually be locked. This only occurred when Kerberos Authentication was being used.

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Version 12.29.1

1st Mass production

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\*\*\* Basic Information \*\*\*  
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[Create date] 2017/05/18  
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[Program Name] Printer  
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[Version] 1.14  
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[PCB No.]  
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[Interchangeability] X / O  
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[Other Firmware Requirements] None  
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[PCB Requirements] None  
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[Software category] Normal Release  
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[Release category] Normal Release  
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[Program category] Firmware  
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Exported to(language) GEN(all)

[Firmware No.] M1255572K

[File Information]

File Name      M1255572K.fwu

File Type      Module for Service

Size           3.96 MB ( 4156952 byte )

[File Information]

File Name      M1255572K.rfu

File Type      Module for Remote Upgrade

Size           3.97 MB ( 4161792 byte )  
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[Production reflection] 2017/06  
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\*\*\* Note \*\*\*  
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[Note]  
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\*\*\* Important Notes \*\*\*  
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[Important Notes]  
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\*\*\* Modification History \*\*\*  
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[Modifications made:]

Symptom corrected:

1. Poor-quality text is output when printing a job that contains multiple PDL data.
2. Under all of the following conditions, paper is fed from the device trays even though the paper feed tray setting in the driver is set to the bypass tray:
  - The "Tray Setting Priority" of the bypass tray is "Driver/Command".
  - The "Paper Confirmation for Bypass Tray Display" setting is "Display".
  - The "Tray Switching" setting is "On".
  - The paper size and paper type set on the device matches to the setting configured on the driver is selected.
3. When a job is sent to the device while it is in Energy Saver mode, "Auto Continue" function does not work and a paper size error occurs.
4. The wrong content might be written on the Printer Configuration page.
5. On the Configuration Page, the "Low Power Mode Timer On/Off" setting is marked with an asterisk that indicates the value is not the default even though the value of the setting is the default (Off).
6. An SC899 error might occur when the RHPP port (port 59100) receives specific data.

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[Modification history]  
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Version 1.13

Other changes:

Added support for adhering to the Lot 6 regulation of the EU in European devices.

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Version 1.07

Other changes:

Support for AirPrint.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

- System: v1.10 or later (M1255562L)
- Network Support firmware: v12.36 or later (M1255563H)
- Web Support firmware: v1.06 or later (M1255565H)
- PDF: v1.03 or later (M1255559D)

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Version 1.06

Symptom Corrected:

1. Saddle stitch staple function is disabled with Booklet Finisher SR3110 when Thick 1 paper is selected as a cover sheet.

Note: To apply this change, make sure to update to System/Copy Ver.1.06 ( M1255562G) or later.

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## Version 1.05

### Symptom corrected:

1. When printing a gzip file, print jobs might be reset.  
If that occurs, the message "Compressed Data Error." will appear on the display.
2. When configuring the batch device settings in the following utilities, an error will occur and the settings might not be applied:
  - Streamline NX Administration Manager
  - Device Manager NX Series
  - Remote Communication Gate S Pro
  - Web SmartDeviceMonitor
3. The operation panel may suddenly be unresponsive in the middle of a job that uses the Media Print feature.

### Other changes:

1. Compliance for the Blue Angel regulations.

Note: To apply this change, in addition to this firmware version, make sure to install the following firmware as well:

System: v1.05 (M1255562F) or later

Web support: v1.04 (M1255565F) or later

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## Version 1.04

### Symptom corrected:

- When printing from a removable storage device to the bypass tray and setting the decimal point of the custom paper size to a value other than zero, printing and preview fail.
- The Compulsory Security Stamp either does not print correctly or is might be missing from printouts when printing.
- When printing from a removable storage device while the machine's Data In LED light is blinking, if printing from the removable storage device is canceled, then subsequent jobs are unable to print.

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## Version 1.02

### Other changes:

1. Users can now register 12x18 (SEF) paper, but cannot register 12x18 (LEF) on the IPDS Form screen inside WIM.
2. The display for Thick Paper 4 was changed from "TRAY\_KIND\_THICK4" to "Thick Paper 4".

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## Version 1.01

1st Mass production



\*\*\* Basic Information \*\*\*

[Create date] 2017/10/18

[Program Name] PCL

[Version] 1.11

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] M1255580L

[File Information]

File Name M1255580L.fwu

File Type Module for Service

Size 1.15 MB ( 1205752 byte )

[File Information]

File Name M1255580L.rfu

File Type Module for Remote Upgrade

Size 1.16 MB ( 1212672 byte )

[Availability of RFU] Yes

[Production reflection] 2017/11

\*\*\* Note \*\*\*

[Note]

\*\*\* Important Notes \*\*\*

[Important Notes]

\*\*\* Modification History \*\*\*

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[Modifications made:]

Symptom corrected:

- The printing results of the second and subsequent pages might not be as expected while PCL5 host printing.
- When printing the contents of an A3 size document on A4 size paper via Direct printing, the text might be distorted.
- When printing a PCL job which contains images via host printing, an SC899 error might occur.
- The device might stall when printing a heavy-duty job.
- A pattern put on top of an image or graphic might be blacked out.
- Image backgrounds might be filled unexpectedly.

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[Modification history]

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Version 1.10

Symptom corrected:

- The image quality output from PCL5 data might be poor if the image was created by using certain applications, such as RICOH ProcessDirector. (GFPR#RE15030034)
- Some lines of text and/or dotted lines might be missing when using the PCL overlay macro. (GFPR#RC16040013)
- When characters that contain the incorrect TrueType font data are printed, not only are incorrect characters missing but also are correct characters that follow incorrect characters. (GFPR#RE16030046)
- An SC899 error occurs when using the PCL6 driver to print a PDF from the Reader application in Windows 8.1. (GFPR#RA15050002)
- Fonts that are downloaded to an SD card might not be printed.
- When "Unauthorized Copy Prevention Printing: Printer" is enabled, an error might occur, causing the job to be cancelled. (GFPR#RA14120002)
- When printing a PCL5 job, black text might be drawn by using process black and result in a blurred or thicker-than-expected output. (GFPR#RA16010003)
- When printing PCL data that is output by a host, the background might not be printed.

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Version 1.09

Symptom corrected:

A blank page or missing image is printed out if the PCL data created by certain applications (such as Microsoft Excel 2010) contains a significant amount of graphics and/or transparent objects.

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Version 1.08

Symptom corrected:

SC899 occurs in some firmware versions when printing certain jobs. (GFPR#RE16020028)

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Version 1.07

Symptom corrected:

1. Using a bitmap font might result in jobs being cancelled. (GFPR#RE13100030)
2. When printing an N-up PCL6 job by using a printer driver that is for Windows 8

- or a later Windows operating system, some characters are missing.
3. If a raster image is specified in the PCL6 driver to be reduced, be enlarged, or undergo N-up printing, unexpected white lines might appear in the printout.  
(GFPR#RA14080005, GFPR#RA14110005)
  4. If a PCL5 job is printed under certain conditions related to the font header information when using host printing, PCL default fonts are used.  
(GFPR#RE14100009)

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Version 1.06

Symptom corrected:

1. When printing certain documents in Microsoft Word, an SC899 error might occur.
2. PCL jobs with a specified clip range might print unnecessary 1-pixel width lines on the printout.
3. If the glyph data of TrueType fonts includes hinting information that is on the edge of the frame, an SC899 error might occur.  
(GFPR#RC14030010)
4. If a user who has only black-and-white-printing privileges prints the stored color data in monochrome and if the specified paper size is not set in the input tray, the printing will be cancelled.
5. If an image size is big and has been enlarged by using the "Reduce/Enlarge" option in the PCL6 driver, unexpected white lines might appear in the printout.
6. When printing a PCL5 host-printing job in which 32,000 or more of the fill patterns are specified, the device will stall.

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Version 1.05

Symptom corrected:

1. Specific TrueType fonts that include problematic hinting data might cause an SC899 error to occur. (GFPR#RA13030005, GFPR#RE14020031, GFPR#RC14020002, GFPR#RA14030001, GFPR#RC14030010)
2. Text in duplex PCL jobs are shifted and therefore overlap other text when the data is subjected to both of the following conditions:
  - Specify the frontside of the page by using the <Esc>&a1G command when the current page is the backside.
  - The offset command <ESC>&l#U or <ESC>&l#Z is used after the drawing command is specified.  
(GFPR#RC13060012, GFPR#RE14010003)
3. When printing PCL5 jobs that include a scalable font, an SC899 error occurs or the device automatically reboots when fonts have exceeded the 256-character limit available for download.  
(GFPR#RE14020003)

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Version 1.04

Symptom corrected:

1. When specifying a tray other than the Auto Tray Select as the Input Tray and using Shift Collate or Rotate Collate, the documents are



printed without being shifted.(GFPR#RE12110018,GFPR#RE12110039)

2. When a PCL5 job includes a raster image, the text and images might be placed in the wrong position, which would result in an unexpected printout. (GFPR#RE13020014)
3. Specific TrueType fonts that include problematic hinting data might cause an SC899 error to occur. (GFPR#RA13030005)

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Version 1.03

Symptom corrected:

1. Error SC899 caused by PCL jobs names (@PJL JOBNAME) that contain any number of "%" characters and a banner page. (GFPR#RE12090010)

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Version 1.02

1st Mass production