

=====
***** Basic Information *****
=====

[Create date] 2019/05/28

[Program Name] System

[Version] 1.14

[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.] M0AJ5549A

[File Information]

File Name M0AJ5549A.fwu

File Type Module for Service

Size 25.61 MB (26850372 byte)

[File Information]

File Name M0AJ5549A.rfu

File Type Module for Remote Upgrade

Size 25.61 MB (26857728 byte)

[Availability of RFU] Yes

[Production reflection] 2019/06

=====
***** Note *****
=====

[Note]

=====
***** Important Notes *****
=====

[Important Notes]

=====
***** Modification History *****
=====

=====
[Modifications made:]

Rank C

Symptom corrected:

- When "Application Authentication Settings" is enabled, SC899 might occur after registering or updating an address book over 220 times from Web Image Monitor.
- SC672-12/SC672-21/SC819-00 may occur after executing "Delete All Data in Address book" when the following conditions are met.
 - 1,000 or more records in All address book data.
 - Enhanced Print Volume Use Limitation is enabled.
- Image log might not be sent and stay in the device.
- Fails to download files from the firmware download center using ARFU.
- Error 51 might occur at RFU (Remote Firmware Update), in case both of Transfer log setting and Collect access logs setting are set to be ON.
- The machine might stall if it enters energy saving mode during ARFU.
- The machine wakes up from the sleep mode when it receives a MIB request from @Remote.
- When printing multiple jobs, later job might be printed before the previous ones if "Enhanced print volume use limitation" is enabled on a SmartSDK application.
- Wireless direct connection might fail in Group Owner Mode.

Other changes:

- If a firmware package is unpublished (for example, when a bug is discovered after release), it is possible to apply a previous firmware package via ARFU, SFU, and Application Site. (Previously, if a firmware package is unpublished then ARFU, SFU, and Application Site would display an error dialog and the function could not be used.)
- In the event that a problem is discovered which only affects ARFU, SFU, and/or Application Site, updates via those functions can be disabled on the global download server side. (While still allowing manual downloads by a technician)
- Even when the certificate key length for @Remote is set to 512-bit, the device can connect to the firmware download server (for ARFU, SFU, etc.).

[Modification history]

Version 1.13

Rank C

Supported:

- The CPU is replaced with a newer model, so the BIOS is also updated to support the new model.

Version 1.11

Rank C

Symptom corrected:

- If an application icon on the monitor is pressed just after the machine enters into energy saver mode, the application stalls.
- If the functions below are enabled, the machine might not be able to recover from STR mode, and the functions will fail:

- Auto-backup of the application and its setting for the Smart Operation Panel
- Auto-reception for Cloud Fax
- Auto-update of applications installed via the Application Site

Other changes:

- Minor changes for its internal operations.
- SP5-490-001 (MF Key Card: Job Permit Setting) is now available.

Version 1.10

Rank C

Symptom corrected:

- Login might fail and the application icon might not be displayed.
- When the SMC List is saved to the SD card as a CSV file, SP7507 (Latest Jam History) is not correctly recorded.

Other changes:

- Condition data obtained via @Remote was combined and reduced of the size for faster processing.
- Minor change for domestic market.

Version 1.09

Rank C

Symptom corrected:

- The user might not be able to log in if the machine repeatedly enters and exits Energy Saver Mode.

Other changes:

- Supported RICOH SmartSDK v2.50.

Version 1.08

Rank C

Symptom corrected:

- When using Windows authentication, LDAP authentication, or external authentication, if exporting the address book from Device Manager NX, the export data cannot be imported.
- A bug of SmartSDK API was fixed.
- Remote un-installation for Streamline NX might fail.
- User usage restrictions do not come into effect if authentication is enabled in Quick Card Authentication.
- If log tracing on Web Image Monitor is cancelled just after using the function, the machine enters into off-line mode.
- SC 998 might be displayed when rebooting the machine if ESA application is set as the priority function.
- SC687 might be displayed if a user restarts a mass print job when the machine is in the following state.
 - Stop key is pressed
 - Cover Open
 - Toner-End comes
 - JAM happens
- If some characters are included in a user name,

login authentication is not correctly done.

- When the relationship between the host name and the IP address on the DNS server is modified, Java VM might not recognize the change.
- When JavaVM is not enabled and only IPv6 is enabled, the list of installed applications is not displayed in Extended Feature Info on the Web Image Monitor.

Other changes:

- Added the function to set user usage restrictions for each application.
- Supported RICOH SmartSDK v2.40.

Version 1.07

Other changes:

Supported the Remote Panel Operation.

Version 1.06

Symptom corrected:

- SC845 may occur while updating a package firmware, if the machine was turned OFF during the previous update via ARFU.
- SC672 occurs after recovering from sleep mode and SC819 occurs after reboot.
- SC673-10 may occur when turning ON the machine power.
- An invalid value is returned when obtaining the counter MIB, ricohEngCounterValue, during device shutdown.
- For the following change to take effect, make sure to update animation v1.04 as a set.
 - Jam animation error related with inner folder FD3000.

Version 1.05

Symptom corrected:

- SC819 may occur, if the auto log-out timer and the energy saving timer are set to the same value.
- When attempted to reboot the machine to resolve an SC, the message "Reboot will done automatically" appears but the machine is not rebooted.
- SC899 may occur when rebooting after updating a firmware.
- If the Cover Interposer runs out of paper during the job and the tray is reloaded with paper but the paper size is not detected correctly due to poor set, the machine stalls when switching to the succeeding job.
- An unnecessary banner message appears when the development unit reaches life.
- The following behaviors now apply when using an external keyboard:
 - While the Shift key is being pressed, caps lock mode is enabled.
 - When the Shift and Caps Lock keys are pressed simultaneously, shift lock mode is enabled.
 - While the AltGr key is being pressed, special characters can be entered.

Other changes:

- Reduced time for controller firmware update and improved progress bar feature.
- Using the newly added bit SW #6-0/6-1, paper exit settings can be defined according to the mail box tray status; whether or not paper stack is present.

Version 1.04

Symptom corrected:

- Cannot recovery from energy saving mode and may result in SC672-11.

Other changes:

1. Improved the parts replacement procedures provided in the user maintenance movie.
2. Improved the jam removal animation.
For this release to take effect, make sure to update animation v.1.02 (M0AJ5557D) or later as a set.
3. More languages supported for the smart operation panel.
4. When executing a Firmware configuration task via Device Manager NX Pro/Enterprise, an RFU package with the appropriate destination (USA/Europe/Asia/Korea/Taiwan model or China model) can be selected and downloaded from the RICOH Global Server.

Version 1.03

Symptom corrected:

- Connection error message may appear mistakenly on @Remote connected machines.

Other changes:

- The default value of the following SP was changed to prevent damage to the paper when using mail box CS3010.
 - SP1-801-056 [Reverse CCW:Plain:Std]: -0.8 -> -1.7
 - SP1-801-058 [Reverse CCW:Mid-thick:Std]: -0.8 -> -1.7
 - SP1-801-060 [Reverse CCW:Thick1:Mid]: -0.6 -> -1.7
- The default value of the following "special paper 3" related SP was changed.
 - SP2-663-003 [Special3: Thick:Bias:BW]: 11->160
 - SP2-667-003 [Special3: Thick:Bias:FC]: 19->160
 - SP2-673-019 [Sp3Thick: PaperSizeEnvCorr:BW PaperTransfer:1Side:S1]: 72->84
 - SP2-673-039 [Sp3Thick: PaperSizeEnvCorr:BW Wide Roller:PaperTransfer:2side:S5]: 72->84
 - SP2-674-019 [Sp3Thick: PaperSizeEnvCorr:FC PaperTransfer:1Side:S1]: 79->84
 - SP2-674-039 [Sp3Thick: PaperSizeEnvCorr:FC Wide Roller:PaperTransfer:2side:S5]: 79->84

Version 1.02

Symptom corrected:

1. SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.) Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues.
 - Cannot log in.
 - Cannot scan.
 - Cannot print.
 - Error message appears.
 - etc.
2. SC899 may occur after updating with the packaged firmware.
3. If the device enters Energy Save Mode after automatically logging out an account, the device might stall when IC card authentication is used to recover from Energy Save Mode.

Other changes:

1. To enable quicker the detection time and shut down time when SC670 occurs.
2. Added an SP setting for enabling or disabling the "Screen Monitoring" function.
SP5-885-205: default = 0 ("Screen Monitoring" is enabled)
This firmware is dependent on Web support firmware v1.02 (M0AJ5555C) or later, so please be sure to update that firmware as well.

Version 1.01

1st Mass production

=====
*** Basic Information ***
=====

[Create date] 2018/08/03

[Program Name] System

[Version] 1.10

[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.] M0AJ5550N

[File Information]

File Name M0AJ5550N.fwu

File Type Module for Service

Size 25.60 MB (26843564 byte)

[File Information]

File Name M0AJ5550N.rfu

File Type Module for Remote Upgrade

Size 25.61 MB (26849536 byte)

[Availability of RFU] Yes

[Production reflection] 2018/08

=====
*** Note ***
=====

[Note]

=====
*** Important Notes ***
=====

[Important Notes]

=====
*** Modification History ***
=====

[Modifications made:]

Rank C

Symptom corrected:

- Login might fail and the application icon might not be displayed.
- When the SMC List is saved to the SD card as a CSV file, SP7507 (Latest Jam History) is not correctly recorded.

Other changes:

- Condition data obtained via @Remote was combined and reduced of the size for faster processing.
- Minor change for domestic market.

[Modification history]

Version 1.09

Rank C

Symptom corrected:

- The user might not be able to log in if the machine repeatedly enters and exits Energy Saver Mode.

Other changes:

- Supported RICOH SmartSDK v2.50.

Version 1.08

Rank C

Symptom corrected:

- When using Windows authentication, LDAP authentication, or external authentication, if exporting the address book from Device Manager NX, the export data cannot be imported.
- A bug of SmartSDK API was fixed.
- Remote un-installation for Streamline NX might fail.
- User usage restrictions do not come into effect if authentication is enabled in Quick Card Authentication.
- If log tracing on Web Image Monitor is cancelled just after using the function, the machine enters into off-line mode.
- SC 998 might be displayed when rebooting the machine if ESA application is set as the priority function.
- SC687 might be displayed if a user restarts a mass print job when the machine is in the following state.
 - Stop key is pressed
 - Cover Open
 - Toner-End comes
 - JAM happens

- If some characters are included in a user name, login authentication is not correctly done.
- When the relationship between the host name and the IP address on the DNS server is modified, Java VM might not recognize the change.
- When JavaVM is not enabled and only IPv6 is enabled, the list of installed applications is not displayed in Extended Feature Info on the Web Image Monitor.

Other changes:

- Added the function to set user usage restrictions for each application.
- Supported RICOH SmartSDK v2.40.

Version 1.07

Other changes:

Supported the Remote Panel Operation.

Version 1.06

Symptom corrected:

- SC845 may occur while updating a package firmware, if the machine was turned OFF during the previous update via ARFU.
- SC672 occurs after recovering from sleep mode and SC819 occurs after reboot.
- SC673-10 may occur when turning ON the machine power.
- An invalid value is returned when obtaining the counter MIB, ricohEngCounterValue, during device shutdown.
- For the following change to take effect, make sure to update animation v1.04 as a set.
 - Jam animation error related with inner folder FD3000.

Version 1.05

Symptom corrected:

- SC819 may occur, if the auto log-out timer and the energy saving timer are set to the same value.
- When attempted to reboot the machine to resolve an SC, the message "Reboot will done automatically" appears but the machine is not rebooted.
- SC899 may occur when rebooting after updating a firmware.
- If the Cover Interposer runs out of paper during the job and the tray is reloaded with paper but the paper size is not detected correctly due to poor set, the machine stalls when switching to the succeeding job.
- An unnecessary banner message appears when the development unit reaches life.
- The following behaviors now apply when using an external keyboard:
 - While the Shift key is being pressed, caps lock mode is enabled.
 - When the Shift and Caps Lock keys are pressed simultaneously, shift lock mode is enabled.
 - While the AltGr key is being pressed, special characters can be entered.

Other changes:

- Reduced time for controller firmware update and improved progress bar feature.
- Using the newly added bit SW #6-0/6-1, paper exit settings can be defined according to the mail box tray status; whether or not paper stack is present.

Version 1.04

Symptom corrected:

- Cannot recovery from energy saving mode and may result in SC672-11.

Other changes:

1. Improved the parts replacement procedures provided in the user maintenance movie.
2. Improved the jam removal animation.
For this release to take effect, make sure to update animation v.1.02 (M0AJ5557D) or later as a set.
3. More languages supported for the smart operation panel.
4. When executing a Firmware configuration task via Device Manager NX Pro/Enterprise, an RFU package with the appropriate destination (USA/Europe/Asia/Korea/Taiwan model or China model) can be selected and downloaded from the RICOH Global Server.

Version 1.03

Symptom corrected:

Connection error message may appear mistakenly on @Remote connected machines.

Other changes:

- The default value of the following SP was changed to prevent damage to the paper when using mail box CS3010.
 - SP1-801-056 [Reverse CCW:Plain:Std]: -0.8 -> -1.7
 - SP1-801-058 [Reverse CCW:Mid-thick:Std]: -0.8 -> -1.7
 - SP1-801-060 [Reverse CCW:Thick1:Mid]: -0.6 -> -1.7
- The default value of the following "special paper 3" related SP was changed.
 - SP2-663-003 [Special3: Thick:Bias:BW]: 11->160
 - SP2-667-003 [Special3: Thick:Bias:FC]: 19->160
 - SP2-673-019 [Sp3Thick: PaperSizeEnvCorr:BW PaperTransfer:1Side:S1]: 72->84
 - SP2-673-039 [Sp3Thick: PaperSizeEnvCorr:BW Wide Roller:PaperTransfer:2side:S5]: 72->84
 - SP2-674-019 [Sp3Thick: PaperSizeEnvCorr:FC PaperTransfer:1Side:S1]: 79->84
 - SP2-674-039 [Sp3Thick: PaperSizeEnvCorr:FC Wide Roller:PaperTransfer:2side:S5]: 79->84

Version 1.02

Symptom corrected:

1. SDK application behavior may be incorrect or inconsistent.
(CAP/ELP/SLNX/GSNX/etc.)Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues.
 - Cannot log in.

- Cannot scan.
- Cannot print.
- Error message appears.
- etc.

2. SC899 may occur after updating with the packaged firmware.
3. If the device enters Energy Save Mode after automatically logging out an account, the device might stall when IC card authentication is used to recover from Energy Save Mode.

Other changes:

1. To enable quicker the detection time and shut down time when SC670 occurs.
2. Added an SP setting for enabling or disabling the "Screen Monitoring" function.
SP5-885-205: default = 0 ("Screen Monitoring" is enabled)
This firmware is dependent on Web support firmware v1.02 (M0AJ5555C) or later, so please be sure to update that firmware as well.

Version 1.01
1st Mass production

=====
***** Basic Information *****
=====

[Create date] 2018/10/19

[Program Name] NetworkDocBox

[Version] 1.02

[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.] M0AJ5556E

[File Information]

File Name M0AJ5556E.fwu

File Type Module for Service

Size 1.09 MB (1142880 byte)

[File Information]

File Name M0AJ5556E.rfu

File Type Module for Remote Upgrade

Size 1.10 MB (1151232 byte)

[Availability of RFU] Yes

[Production reflection] 2018/10

=====
***** Note *****
=====

[Note]

=====
***** Important Notes *****
=====

[Important Notes]

=====
***** Modification History *****
=====

=====
[Modifications made:]

Rank B

Symptom corrected:

- When using the application for the Japanese market, the Job Log transfer settings might not be set correctly when importing the preference information from another device.
- If the device is abnormally turned off, the collect logs settings might be initialized and the log data might not be transferred after that.

Other changes:

- Added a new feature for the SmartSDK WebAPI.
- The following values can be set with solution software that uses SOAP I/F.

"SNMPv3 Setting"

- SNMPv3 Trap Communication
- Encryption Algorithm
- Permit SNMPv3 Communication

"Program/Change Administrator"

- Encryption Password

[Modification history]

Version 1.01

Symptom corrected:

When attempting to back up the address book from Device Manager NX, the backup will fail and printer, copy, scan, and fax jobs cannot be conducted.

Version 1.00

1st Mass production

=====
*** Basic Information ***
=====

[Create date] 2018/10/23

[Program Name] animation

[Version] 1.05

[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(ja,en,f,e,d,i,nl,s,n,dk,sf,p,pl,h,cz,ru,sc,tc,kr,br,tr,ca,gr)

[Firmware No.] M0AJ5557G

[File Information]

File Name M0AJ5557G.fwu

File Type Module for Service

Size 12.03 MB (12614396 byte)

[File Information]

File Name M0AJ5557G.rfu

File Type Module for Remote Upgrade

Size 12.04 MB (12620032 byte)

[Availability of RFU] Yes

[Production reflection]

=====
*** Note ***
=====

[Note]

=====
*** Important Notes ***
=====

[Important Notes]

=====
*** Modification History ***
=====

=====
[Modifications made:]

Rank D

Other changes:

- Minor bug fixes.

[Modification history]

Version 1.04

Symptom corrected:

- Korean translation for Color Registration and Color Calibration was corrected.
- For the following change to take effect, make sure to update System/Copy v1.06 as a set.
 - Jam animation error related with inner folder FD3000.

Version 1.03

Other changes:

- Improved the parts replacement procedures provided in the user maintenance movie.
For this release to take effect, make sure to update MovieData v.1.02 (M0AJ5558A) or later as a set.
- Using the newly added bit SW #6-0/6-1, paper exit settings can be defined according to the mail box tray status; whether or not paper stack is present.

Version 1.02

Other changes:

- Improved the jam removal animation.
For this release to take effect, make sure to update System v.1.04 (M0AJ5550G) or later as a set.

Version 1.01

1st Mass production

=====
*** Basic Information ***
=====

[Create date] 2017/04/26

[Program Name] MovieData

[Version] 1.02

[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.] M0AJ5558A

[File Information]

File Name M0AJ5558A.fwu

File Type Module for Service

Size 58.03 MB (60848388 byte)

[File Information]

File Name M0AJ5558A.rfu

File Type Module for Remote Upgrade

Size 58.04 MB (60854528 byte)

[Production reflection]

=====
*** Note ***
=====

[Note]

=====
*** Important Notes ***
=====

[Important Notes]

=====
*** Modification History ***
=====

[Modifications made:]

Other changes:

- Improved the parts replacement procedures provided in the user maintenance movie.
For this release to take effect, make sure to update animation v.1.03 (M0AJ5557E)
or later as a set.

[Modification history]

Version 1.01

1st Mass production

=====
*** Basic Information ***
=====

[Create date] 2018/12/03

[Program Name] System

[Version] 1.08

[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.] M0B16021M

[File Information]

File Name M0B16021M.fwu

File Type Module for Service

Size 25.79 MB (27038956 byte)

[File Information]

File Name M0B16021M.rfu

File Type Module for Remote Upgrade

Size 25.79 MB (27046144 byte)

[Availability of RFU] No

[Production reflection] 2018/11

=====
*** Note ***
=====

[Note]

=====
*** Important Notes ***
=====

[Important Notes]

=====
*** Modification History ***
=====

=====
[Modifications made:]

Rank C

Other changes:

- Following changes regarding the test charts printed for the Main scan shading function:
 - Test charts are delivered to trays other than the proof tray.
 - Test charts go through the straight path.

[Modification history]

Version 1.07

Rank C

Symptom corrected:

- Banner message to alert replacement of PM parts appears for the fusing belt, heating roller and pressure roller regardless of the PM parts display setting in SP5-062-xx. In addition, these three parts were falsely assigned as cc-call parts.
- [0501:Execute Cleaning Initial Setting for PCU] of the Adjustment Settings for Operators works fine, but the operation panel may display "Failed" after the execution.

Version 1.06.1

Rank C

Symptom corrected:

- The custom paper name is truncated, if edited and saved after importing from the custom paper management database.

Other changes:

- Improved the accuracy of the Image Position Adjustment function in Adjustment Settings for Operators. (for Pro C92xx series)
- Improved the operability of the Image Position Adjustment function in Adjustment Settings for Operators.

Version 1.05

Rank C

Symptom corrected:

- Untrained operators can falsely access the Adjustment Settings for Operators and clear the PM counter.
- Executing 'Device Setting Information: Import (Memory Storage Device)' causes SC819.
- Cannot print from the bypass tray on "Long (up to 700.0mm)" sheets in duplex, if the bypass length setting in SP5-150-001 is set to "Extra Long (up to 1260mm)".

Other changes:

- Changed the default values of the following SPs:
 - SP1-660-003 (default) 5 --> 9
 - SP2-777-003/013 (default) 4100 --> 2100
 - SP2-778-003/013 (default) 4100 --> 2100

SP2-778-004/014 (default) 4100 --> 2150
SP2-250-031/033/041/043 (default) 5300 --> 6700
SP3-623-127 (default) 300 --> 200
SP2-908-021 (default) 3.2 (sec) --> 0.8 (sec)
SP1-001-001~003 (default) 0 --> 0.69
SP1-001-004 (default) 0 --> 0.23
SP1-001-007/008 (default) 0 --> 0.57
SP1-001-009 (default) 0 --> 0.63

- SC459 occurs due to a failure in the control of the paper transfer pressure unit.

NOTE:

All of the following firmware must be updated together as a set for the fixes described below to take effect.

- System firmware v1.05 (M0B16021J) or later
- Web support firmware v1.01 (M0B16024E) or later
- Animation firmware v1.02 (M0B16026G) or later
- Paper Setting firmware v2.01 (M0BK1424M) or later
- Operator Adjustment firmware v2.01 (M0BK1425H) or later

Symptom corrected:

- Items used for engineering tests that falsely appeared on the operation panel were deleted.

Other changes:

- Supported the following media on the Multi bypass tray (ALEUTIAN-D):
 - Coated: High Gloss
 - Coated: Glossy
 - Coated: Matte

Version 1.04
Rank C

Symptom corrected:

- Error 51 might occur at RFU (Remote Firmware Update), in case both of Transfer log setting and Collect access logs setting are set to be ON.
- Fails to download files from the firmware download center using ARFU.

Version 1.03
Rank D

1st Mass production

=====
*** Basic Information ***
=====

[Create date] 2018/08/03

[Program Name] PCL

[Version] 1.06

[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.] M0AJ5566H

[File Information]

File Name M0AJ5566H.fwu

File Type Module for Service

Size 1.38 MB (1447452 byte)

[File Information]

File Name M0AJ5566H.rfu

File Type Module for Remote Upgrade

Size 1.39 MB (1454336 byte)

[Availability of RFU] Yes

[Production reflection] 2018/08

=====
*** Note ***
=====

[Note]

=====
*** Important Notes ***
=====

[Important Notes]

=====
*** Modification History ***
=====

[Modifications made:]

Rank C

Symptom corrected:

- Even though Toner Saving is enabled on the operation panel and economy color values have been specified in the SP settings, it might not be reflected when printing.
- Some characters might be filled with black when the color balance is set below zero.
- The overlay image might not be correctly printed with PCL.

[Modification history]

Version 1.05

Rank C

Symptom corrected:

- The printing results of the second and subsequent pages might not be as expected while PCL5 host printing.
- When printing PCL6 jobs containing the TrueType Font, the job might be canceled and the Illegal Font Data error printed instead.
- The device might stall when printing a heavy-duty job.

Version 1.04

Symptom corrected:

- Image backgrounds might be filled unexpectedly.
- A pattern put on top of an image or graphic might be blacked out.
- When printing a PCL job which contains images via host printing, an SC899 error might occur.

Version 1.03

Symptom corrected:

1. PCL macros that were uploaded to the HDD cannot be printed. (GFPR#RE16080014)
2. When conducting host printing, if a resident font is specified in the data, cedillas will not print as expected.

Version 1.02

Symptom corrected:

An SC899 error might occur when printing a PCL5 job that contains command for selecting the Raw TrueType font.

Version 1.01
1st Mass production

=====
*** Basic Information ***
=====

[Create date] 2019/05/27

[Program Name] IRIPS PDF

[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.] M0AJ5570N

[File Information]

File Name M0AJ5570N.fwu

File Type Module for Service

Size 3.03 MB (3177784 byte)

[File Information]

File Name M0AJ5570N.rfu

File Type Module for Remote Upgrade

Size 3.04 MB (3182848 byte)

[Availability of RFU] Yes

[Production reflection] 2019/06

=====
*** Note ***
=====

[Note]

=====
*** Important Notes ***
=====

[Important Notes]

=====
*** Modification History ***
=====

=====
[Modifications made:]

Rank C

Symptom corrected:

- The minus sign (-) in a PDF file might not be printed via PDF Direct.

[Modification history]

Version 1.10

Rank C

Symptom corrected:

- When printing a PDF file that contains downloaded fonts, an invalid font error might occur, and the print job might be canceled.
- A locked print job might not be stored on the machine if it is printed using PJI commands.
- PDF files that are generated by certain applications might not print via Direct Print.
- When printing a PDF file that contains circled letters or numbers, the circle itself might be distorted.
- Images might not appear as expected when printing a PDF file via AirPrint.
- When printing a file containing images as a booklet, the output might be distorted.
- When printing a PDF file that contains exceptionally small fonts, an invalid font error might occur, and the print job might not be printed correctly.

Version 1.09

Rank C

Symptom corrected:

- An SC899 error might occur when printing PostScript data that includes a watermark with a non-standard font using the PS V4 driver.
- When printing from a memory storage device from the Bypass Tray, if there is a paper size mismatch between the System Settings and the paper size specified for the Bypass Tray, it might not print correctly.
- When printing images using the PostScript driver with the following settings, the printed color might be weaker than expected.
 - Color Profile is set to 'ICM (Image Color Management)'.
 - Paper Type is set to anything other than 'Plain'.
- Some Type 0 fonts in a PDF might not print correctly.
- Some Symbolic fonts in a PDF might not print correctly.
- The image might be rotated 180 degrees when printing Landscape document via the SmartSDK.
- Data that includes a masked background image might not print correctly.

Version 1.08

Rank C

Symptom corrected:

- When printing a PDF with an embedded TrueType font, some characters might be garbled.
- When printing a PDF with a specific command, an invalidfont error might occur.
- Characters might be printed with the wrong magnification if a CID font is used.

- Characters might become too thick if the transparency is specified.
- Linux print jobs in Stored Print might be canceled.
- Pages printed as a booklet might be centered incorrectly.
- With booklet printing or N-Up printing, the scaling ratio might be wrong.

Version 1.07

Rank C

Symptom corrected:

- The scaling might be wrong when printing PDF data that contains the FITTOPAGESIZE command but not PRINTSCALING.
- PS printing might stall if PS jobs are printed continuously.
- The top and bottom ends might be missing if the size is scaled when PDF printing.
- Some characters might print in the wrong position when printing a PDF containing certain fonts.
- SC899 might occur while PDF printing.
- Characters in italics might be unrecognizable.
- Both ends of the watermark might be cut off when printing from the V4 driver.
- SC899 might occur when a watermark is printed from the V4 driver.

Version 1.06

Symptom corrected:

- Some characters might be printed upside down.
- The printing of a PDF file created by the "Microsoft Print to PDF" function might be canceled.
- An incorrect paper size may be fed while printing via AirPrint.

Version 1.05

Symptom corrected:

Adjusting the color balance in the driver doesn't work as expected.

Version 1.04

Symptom corrected:

The device may stall when printing many pages and using specific fonts.

Version 1.03

Symptom corrected:

1. When conducting host printing, if a resident font is specified in the data, cedillas will not print as expected.
2. Even though pure black is specified for the watermark, the output might be printed in composite black.
3. An SC899 error might occur while printing multiple PS jobs that contain Adobe fonts with Authentication Management.
4. The printed result of a PDF file with Banner Page might be different from the preview.
5. Even though the proper paper is inserted to fix a paper size and

- type mismatch error, printing might not restart.
6. Printing might not finish if the previous print job from a storage device is cancelled immediately.
 7. An SC899 error might occur when canceling one of multiple spooled PDFs that contain more than 3,000 pages sent via FTP.
 8. An SC899 error might occur if a file that is set with chaptering is printed.
 9. Printing highly compressed PDF data causes a PostScript error.
 10. If the paper type is configured to Auto, the paper type that is assigned to the priority tray is selected.
 11. Printing certain PDF data might result in an "undefinedresult" error occurring.
 12. A job cancellation occurs when printing data that specifies the output tray that is not physically installed and specifies booklet finishing.
 13. A job cancellation might occur when PS jobs that include incrementally downloaded fonts are printed consecutively.
 14. An SC899 error might occur when printing consecutive PDF jobs.
 15. When printing a PDF job that includes pages with transparent and nontransparent objects from a USB drive, image sizes might not be printed as expected.
 16. An SC899 error occurs when printing a PDF job that includes an unsupported PJJ command that specifies the print pages.
 17. The output might contain corrupted characters when the PS job contains an invalid TrueType font.
 18. When a PDF job that is configured with N-up and includes mixed page sizes, the pages in the output might all be the same size.

Version 1.02
1st Mass production

<<Package>>

package_ALL [METP2a_pk]

M0AJ5577D Ver. 4.00 -> M0AJ5577E Ver. 5.00

<<Separate>>

System [METP2a_system]

M0AJ5550H Ver. 1.05 -> M0AJ5550J Ver. 1.06

Printer [METP2d_printer]

M0AJ5560E Ver. 1.05 -> M0AJ5560F Ver. 1.06

Printer [METP2e_printer]

M0AJ5561E Ver. 1.05 -> M0AJ5561F Ver. 1.06

RPCS [METP2d_prt_RPCS]

M0AJ5562D Ver. 3.18.37

PCL [MEP2e_prt_PCL]

M0AJ5566E Ver. 1.03 -> M0AJ5566F Ver. 1.04

IRIPS PDF [MEP2d_prt_IPDF]

M0AJ5569F Ver. 1.04 -> M0AJ5569G Ver. 1.05

IRIPS PDF [MEP2e_prt_IPDF]

M0AJ5570F Ver. 1.04 -> M0AJ5570G Ver. 1.05

PCL [MEP2d_prt_PCL]

M5005805D Ver. 1.03 -> M5005805E Ver. 1.04

PDF [METP2d_prt_PDF]

M5005832C Ver. 1.02 -> M5005832D Ver. 1.03

PDF [METP2e_prt_PDF]

M5005833C Ver. 1.02 -> M5005833D Ver. 1.03

M2a_System [M2a_System]

D2411425 Ver. 1.23 -> D2411425A Ver. 1.24.1

M2a_MeidaPrt [M2a_MeidaPrt]

M0AJ1557H Ver. 1.06 -> M0AJ1557J Ver. 1.07

Application Site [M2a_zoo]

D2411467H Ver. 1.04.05 -> D2411467J Ver. 1.05.01

M2a_PrinterSJob [M2a_PrinterSJob]

D2411446N Ver. 1.72 -> D2411446P Ver. 1.73

M2a_HelpService [M2a_HelpService]

D2411471 Ver. 1.00

<<Package>>

package_02 [METP2r_pk1]

M0AJ5581D Ver. 4.00 -> M0AJ5581E Ver. 5.00

<<Separate>>

System [METP2a_system]

M0AJ5550H Ver. 1.05 -> M0AJ5550J Ver. 1.06

Printer [METP2e_printer]

M0AJ5561E Ver. 1.05 -> M0AJ5561F Ver. 1.06

PCL [MEP2e_prt_PCL]

M0AJ5566E Ver. 1.03 -> M0AJ5566F Ver. 1.04

IRIPS PDF [MEP2e_prt_IPDF]

M0AJ5570F Ver. 1.04 -> M0AJ5570G Ver. 1.05

PDF [METP2e_prt_PDF]

M5005833C Ver. 1.02 -> M5005833D Ver. 1.03

M2a_System [M2a_System]

D2411429 Ver. 1.23 -> D2411429A Ver. 1.24.1

M2a_MeidaPrt [M2a_MeidaPrt]

M0AJ1557H Ver. 1.06 -> M0AJ1557J Ver. 1.07

Application Site [M2a_zoo]

D2411467H Ver. 1.04.05 -> D2411467J Ver. 1.05.01

M2a_PrinterSJob [M2a_PrinterSJob]

D2411446N Ver. 1.72 -> D2411446P Ver. 1.73

M2a_HelpService [M2a_HelpService]

D2411471 Ver. 1.00

=====
*** Basic Information ***
=====

[Create date] 2018/05/23

[Program Name] MeidaPrt

[Version] 1.09

[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.] M0AJ1557L_forEDC

[File Information]

File Name M0AJ1557L_forEDC.zip

File Type Module for Service

Size 3.70 MB (3883162 byte)

[Availability of RFU] No

[Production reflection] 2018/04

=====
*** Note ***
=====

[Note]

=====
*** Important Notes ***
=====

[Important Notes]

=====
*** Modification History ***
=====

=====

[Modifications made:]

Rank C

Symptom corrected:

- The minimum and maximum settable values of a custom paper size for the paper feed are wrong if the unit of measurement is set to millimeters.

[Modification history]

Version 1.08

Other changes:

- Supports Arabic

Version 1.07

Other Change:

- Job Counter is implemented.
- Added the function to set user usage restrictions for each application.

Version 1.06

Other changes:

- New Model Supported.
- The UI has been improved for multiple languages.
- Wording has been improved for multiple languages.
- The design of the icon that represents "Print Side" and "Open Orientation" in the Detailed Settings of the fold type has been improved.

Fixed:

- Users might be forcefully logged off while printing or previewing a print.
- The application might be aborted while trying to print via the bypass tray.
- The memory storage cannot be unmounted while the software keyboard is displayed.
- The user code might be cleared when transitioning to the Home screen.
- The paper size of the bypass tray set from a widget might not be applied to print jobs.
- After printing, the file selection screen is not displayed.
- System auto-reset might not function correctly.
- PDF files that have long, multibyte filenames might not be printed.
- minor bug fix

Version 1.05

Other Changes:

- The design of the icon that represents "Print Side" and "Open Orientation" in the Detailed Settings of the fold type has been improved.
- Design of the "Reset" button has been modified.

Version 1.04

Symptom corrected:

- When the Print (Memory Storage Device) application is not able to start-up, an inappropriate message might be displayed on the Smart Operation Panel.

Version 1.03

Symptom corrected:

- In the "Selected File" tab, the "Preview" button and "Selected" button are active before a file is selected.
- The selected file might be printed even if it is deleted on the "Confirm File" screen.
- Even if the paper tray is removed, the amount of toner remaining might not be immediately reflected in "Select Tray" in the "Print Setting" tab.
- The default paper size might not be changed even if the paper size destination is changed.
- The application being used to print unexpectedly closes if a removable storage device is removed while printing a .jpeg file.

Version 1.02

New Model Supported

Version 1.01

Symptom corrected:

The application might close unexpectedly when on the "Print settings" screen.

Version 1.00

1st Mass production

=====
*** Basic Information ***
=====

[Create date] 2017/06/19

[Program Name] Option IPDS

[Version] 8.638

[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.] M5005712

[File Information]

File Name M5005712.fwu

File Type Module for Service

Size 8.96 MB (9390572 byte)

[File Information]

File Name M5005712.rfu

File Type Module for Remote Upgrade

Size 8.96 MB (9396480 byte)

[Production reflection] 1st Mass Production

=====
*** Note ***
=====

[Note]

=====
*** Important Notes ***
=====

[Important Notes]

=====

*** Modification History ***

=====

[Modifications made:]
1st mass production

[Modification history]

=====
*** Basic Information ***
=====

[Create date] 2017/06/23

[Program Name] PDF

[Version] 1.03

[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.] M5005833D

[File Information]

File Name M5005833D.fwu

File Type Module for Service

Size 4.46 MB (4680564 byte)

[File Information]

File Name M5005833D.rfu

File Type Module for Remote Upgrade

Size 4.47 MB (4686080 byte)

[Production reflection] 2017/06

=====
*** Note ***
=====

[Note]

=====
*** Important Notes ***
=====

[Important Notes]

=====
*** Modification History ***
=====

[Modifications made:]

Symptom corrected:

- Images in Postscript or PDF jobs which require a lot of memory might not be printed correctly.
- The device might stall if a job includes text outside the printable area of the page.
- SC899 might occur if there is a large number of different characters used in a print job.
- An incorrect paper size may be fed while printing via AirPrint.
- It takes a significant amount of time to output the first page by using PDF Direct Print when the print data contains a large number of pages. (GFPR#RE16060016)
- SC899 might occur while printing via PDF Direct if a job includes more than 500 pages.

[Modification history]

Version 1.02

Symptom corrected:

- When printing PDF data that includes overprinting via PDF Direct Print, after taking a significant amount of time to print the first few pages in a job, the job might be cancelled.
- An SC899 error might occur when printing a document that has fewer than four colors for CMYK specified.
- When printing a PDF file that contains graphics or text via PDF Direct, an SC899 error might occur.

Version 1.01

1st Mass production

=====
*** Basic Information ***
=====

[Create date] 2017/07/12

[Program Name] TrayWidget

[Version] 1.00

[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.] M0AJ1575B_forEDC

[File Information]

File Name M0AJ1575B_forEDC.zip

File Type Module for Service

Size 0.51 MB (536090 byte)

[Availability of RFU] No

[Production reflection] 2017/04

=====
*** Note ***
=====

[Note]

=====
*** Important Notes ***
=====

[Important Notes]

=====
*** Modification History ***
=====

=====

[Modifications made:]
1st Mass production

[Modification history]

=====
*** Basic Information ***
=====

[Create date] 2019/05/28

[Program Name] Web Support

[Version] 1.07

[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.] M0AJ5555H

[File Information]

File Name M0AJ5555H.fwu

File Type Module for Service

Size 6.29 MB (6591060 byte)

[File Information]

File Name M0AJ5555H.rfu

File Type Module for Remote Upgrade

Size 6.29 MB (6598912 byte)

[Availability of RFU] Yes

[Production reflection] 2019/06

=====
*** Note ***
=====

[Note]

=====
*** Important Notes ***
=====

[Important Notes]

=====
*** Modification History ***
=====

=====
[Modifications made:]

Rank C

Symptom corrected:

- Error 51 might occur at RFU (Remote Firmware Update), in case both of Transfer log setting and Collect access logs setting are set to be ON.
- The XSS vulnerability of screens in the Address Book that was pointed out in CVE-2018-15884 has been fixed.
- Ricoh devices already had a countermeasure to protect against the CSRF vulnerability pointed out in CVE-2018-15884.

[Modification history]

Version 1.06

Rank C

Other changes:

- The following values can be set with solution software that uses SOAP I/F.

"SNMPv3 Setting"

- SNMPv3 Trap Communication
- Encryption Algorithm
- Permit SNMPv3 Communication

"Program/Change Administrator"

- Encryption Password

Version 1.05

Rank C

Symptom corrected:

- Fixed the wording of "Remote Panel Operation" in the menu of the Web Image Monitor.

Version 1.04

Rank C

Other changes:

- Added the function to set user usage restrictions for each application.

Version 1.03

The version was upgraded for firmware management purpose on the server.

Version 1.02

Other changes:

- Added an SP setting for enabling or disabling the "Screen Monitoring" function.

SP5-885-205: default = 0 ("Screen Monitoring" is enabled)

This firmware is dependent on System firmware v1.02 (M0AJ5550E) or later, so please be sure to update that firmware as well.

Version 1.01
1st Mass production

=====
*** Basic Information ***
=====

[Create date] 2018/03/05

[Program Name] Web Support

[Version] 1.05

[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.] M0AJ5555F

[File Information]

File Name M0AJ5555F.fwu

File Type Module for Service

Size 6.29 MB (6591392 byte)

[File Information]

File Name M0AJ5555F.rfu

File Type Module for Remote Upgrade

Size 6.29 MB (6598912 byte)

[Availability of RFU] Yes

[Production reflection] 2018/04

=====
*** Note ***
=====

[Note]

=====
*** Important Notes ***
=====

[Important Notes]

=====
*** Basic Information ***
=====

[Create date] 2017/12/27

[Program Name] Java VM v12 for eDC

[Version] 12.57.00

[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.] M5005752D_edc

[File Information]

File Name M5005752D_edc.ifu

File Type Module for Service

Size 63.78 MB (66879556 byte)

[Availability of RFU] No

[Production reflection]

=====
*** Note ***
=====

[Note]

=====
*** Important Notes ***
=====

[Important Notes]

=====
*** Modification History ***
=====

=====

[Modifications made:]

Rank C

Symptom corrected:

- The SDK application icon might not be displayed after recovering from energy saving mode under the following conditions:
 - An SDK application is set as a priority function.
 - An SDK application is set as a function key.
- SC899-00 may occur if logging in from a keyboard.
- FAX cannot be transmitted if CAP v2 is installed
- The printing speed is not as fast as the past model if CAP V2 is installed.
- The SDK application may stop suddenly due to the increase of memory usage.
- The wrong JavaVM firmware can be mistakenly installed on any machine, possibly leading to unexpected errors occurring with JavaVM or bootup failing.

[Modification history]

Version 12.52.00

Symptom corrected:

- SDK applications (e.g. Streamline NX, GlobalScan NX, CAP/ELP) may not be able to start during the boot process due to a Java VM error.
- If only IPv6 is enabled on the device, utility tools (e.g. Device Manager NX family or Streamline NX v3) will fail to install applications remotely.
- The following issues occur if any device certificate is imported using the Device Manager NX Enterprise Certificate Management Tool.
 - Device Manager NX Enterprise fails to retrieve the information about the application(s) installed on the device.
 - GlobalScan NX fails to apply profiles or retrieve device information when using the AdminTool.

Version 12.48.02

Symptom corrected:

Under the following conditions, when performing on-demand printing with the Enhanced Locked Print, the SC899 error might occur.

- More than 100 connected devices are set as the host name.
- Host name resolution fails on DNS server.

Version 12.46.01

Symptom corrected:

- Replacing with a new controller board installed with the latest Java VM version may disallow downgrading to previous version or retrieve customized version and cause trouble for users who wish to use specific or customized versions.
- When the relationship between the host name and the IP address on the DNS server is modified, Java VM might not recognize the change.
- When conducting location-free printing or authentication processing

- by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur.
- The DSDK application fails to connect to the LDAP server when using Kerberos authentication.

Version 12.43.01

Symptom corrected:

1. If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly.
2. After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system.
3. When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail.
4. SDK application behavior may be incorrect or inconsistent.

(CAP/ELP/SLNX/GSNX/etc.)

Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues.

- Cannot log in.
 - Cannot scan.
 - Cannot print.
 - Error message appears.
- etc.

Version 12.39.02

Symptom corrected:

- Cannot use applications because the Java VM does not activate.
- Sending fax from the document server using IPv4-mapped address may result in an error.
- If attempted to install an application from Web Image Monitor, installation may fail with an error.

Version 12.26.05

1st Mass production

=====
*** Basic Information ***
=====

[Create date] 2017/12/27

[Program Name] Java VM v12 UpdateTool

[Version] 12.57.00

[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.] M5005752D_upd

[File Information]

File Name M5005752D_upd.exe

File Type Module for Service

Size 63.56 MB (66647288 byte)

Check Sum -8Bit Sum: 3D55

 -16Bit Sum(Little Endian): AD07

 -16Bit Sum(Big Endian): E54E

[Availability of RFU] No

[Production reflection]

=====
*** Note ***
=====

[Note]

=====
*** Important Notes ***
=====

[Important Notes]

=====
*** Modification History ***
=====

[Modifications made:]

Rank C

Symptom corrected:

- The SDK application icon might not be displayed after recovering from energy saving mode under the following conditions:
 - An SDK application is set as a priority function.
 - An SDK application is set as a function key.
- SC899-00 may occur if logging in from a keyboard.
- FAX cannot be transmitted if CAP v2 is installed
- The printing speed is not as fast as the past model if CAP V2 is installed.
- The SDK application may stop suddenly due to the increase of memory usage.
- The wrong JavaVM firmware can be mistakenly installed on any machine, possibly leading to unexpected errors occurring with JavaVM or bootup failing.

[Modification history]

Version 12.52.00

Symptom corrected:

- SDK applications (e.g. Streamline NX, GlobalScan NX, CAP/ELP) may not be able to start during the boot process due to a Java VM error.
- If only IPv6 is enabled on the device, utility tools (e.g. Device Manager NX family or Streamline NX v3) will fail to install applications remotely.
- The following issues occur if any device certificate is imported using the Device Manager NX Enterprise Certificate Management Tool.
 - Device Manager NX Enterprise fails to retrieve the information about the application(s) installed on the device.
 - GlobalScan NX fails to apply profiles or retrieve device information when using the AdminTool.

Version 12.48.02

Symptom corrected:

Under the following conditions, when performing on-demand printing with the Enhanced Locked Print, the SC899 error might occur.

- More than 100 connected devices are set as the host name.
- Host name resolution fails on DNS server.

Version 12.46.01

Symptom corrected:

- Replacing with a new controller board installed with the latest Java VM version may disallow downgrading to previous version or retrieve customized version and cause trouble for users who wish to use specific or customized versions.

- When the relationship between the host name and the IP address on the DNS server is modified, Java VM might not recognize the change.
- When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur.
- The DSDK application fails to connect to the LDAP server when using Kerberos authentication.

Version 12.43.01

Symptom corrected:

- If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly.
- After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system.
- When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail.
- SDK application behavior may be incorrect or inconsistent.
(CAP/ELP/SLNX/GSNX/etc.)

Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues.

- Cannot log in.
 - Cannot scan.
 - Cannot print.
 - Error message appears.
- etc.

Version 12.39.02

Symptom corrected:

- Cannot use applications because the Java VM does not activate.
- Sending fax from the document server using IPv4-mapped address may result in an error.
- If attempted to install an application from Web Image Monitor, installation may fail with an error.

Version 12.26.05

1st Mass production

=====
***** Basic Information *****
=====

[Create date] 2019/05/27

[Program Name] Network Support

[Version] 15.77

[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.] M0AJ5559K

[File Information]

File Name M0AJ5559K.fwu

File Type Module for Service

Size 10.79 MB (11312416 byte)

[File Information]

File Name M0AJ5559K.rfu

File Type Module for Remote Upgrade

Size 10.79 MB (11317504 byte)

[Availability of RFU] Yes

[Production reflection] 2019/06

=====
***** Note *****
=====

[Note]

=====
***** Important Notes *****
=====

[Important Notes]

=====
***** Modification History *****
=====

=====
[Modifications made:]

Symptom corrected:

- DNS name resolution for the device might fail if DDNS is enabled in a DHCPv6 environment.
- The DHCP address renewal request might be discarded when the DHCP server is configured as a failover cluster.

Other changes:

- It is now possible to close the following ports with a Telnet command:
 - 111/tcp
 - 1022/tcp
 - 1023/tcp
 - 2049/tcp
 - 18315/tcp
 - 54080/tcp
 - 54443/tcp
 - 1022/udp
 - 1023/udp

Please refer to the RTB (RGene108) for more details.

- Even when the certificate key length for @Remote is set to 512-bit, the device can connect to the firmware download server (for ARFU, SFU, etc.).

[Modification history]

Version 15.76

Rank C

Symptom corrected:

- The device might fail to obtain the fax transmission result using FTP.
- SC819 might occur after ARFU or RFU.

Version 15.75

Rank C

Symptom corrected:

- Fixed unnecessary processing affecting hard disk failure and deterioration.
- Unnecessary logs are recorded in the system logs when connecting to the network through a wireless LAN.
- In wireless LAN infrastructure mode, if changing the settings when the PSK in WPA2-PSK is empty, SC899 occurs.
- Fixed the WebAPI bug when obtaining the network property information.

Version 15.74

Symptom corrected:

When the device is in STR mode, printing might stop and not be able to be conducted until the device is rebooted.

Version 15.73

Other changes:
Minor bug correction.

Version 15.72
Symptom corrected:
If the device has not being used a significant amount of times,
functions that require a network connection might fail.

Version 15.71
1st Mass production

=====
*** Basic Information ***
=====

[Create date] 2018/12/20

[Program Name] Engine

[Version] 1.05:00

[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.] M0AJ5503G

[File Information]

File Name M0AJ5503G.fwu

File Type Module for Service

Size 7.94 MB (8323572 byte)

[File Information]

File Name M0AJ5503G.rfu

File Type Module for Remote Upgrade

Size 7.95 MB (8331520 byte)

[Availability of RFU] Yes

[Production reflection] 2019/01

=====
*** Note ***
=====

[Note]

=====
*** Important Notes ***
=====

[Important Notes]

=====
*** Modification History ***
=====

=====
[Modifications made:]

Rank C

Symptom corrected:

- SC-324 might occur after replacing PCPU.
- When the printing speed set to low in B&W, streaks occurred, on the backside, leading edge of the first page.
- SC547-02 might occur when installing the machine.

[Modification history]

Version 1.04:00

Rank C

Symptom corrected:

- If selecting ADF silent mode, the machine may be hang up when receiving the print job.
- SC670-02 might occur if the front cover is opened while the machine is shutting down.

Other changes:

- Enhancement of Capturing Device Logs function for SC670-02.

Version 1.03:00

Symptom corrected:

1. Firmware update does not complete when updated via RFU.
2. The machine may stall, if it receives a succeeding job immediately after completing a job.
3. SC374 may occur after recovery from toner end.

Version 1.02:00

Symptom corrected:

- An abnormal sound may occur after continuously printing 20 or more pages.
- An abnormal sound may occur when the machine stops due to a waste toner bottle full detection while printing 10 or more pages.
- If a jam occurs while the fusing temperature is relatively high, for example, while continuously running jobs, the fusing unit attempts to prevent its temperature from further increasing and may cause an abnormal sound or a wrap-around jam.
- Color adjustment fails and the tone of the color may suddenly change while printing.

Other changes:

- The default value of the following SPs were changed to reduce the friction when the paper ejects to the mail box.
 - SP1-801-056:-0.8 -> -1.7
 - SP1-801-058:-0.8 -> -1.7
 - SP1-801-060:-0.8 -> -1.7
- The default value of the following SPs were changed for improved toner density when printing on special paper.
 - SP2-663-003:11 -> 160

- SP2-667-003:19 -> 160
- SP2-673-019:72 -> 84
- SP2-673-039:72 -> 84
- SP2-674-019:79 -> 84
- SP2-674-039:79 -> 84

Version 1.01:00
1st Mass production

=====
*** Basic Information ***
=====

[Create date] 2018/10/17

[Program Name] Printer

[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.] M0AJ5561K

[File Information]

File Name M0AJ5561K.fwu

File Type Module for Service

Size 5.29 MB (5548352 byte)

[File Information]

File Name M0AJ5561K.rfu

File Type Module for Remote Upgrade

Size 5.30 MB (5554432 byte)

[Availability of RFU] No

[Production reflection] 2018/10

=====
*** Note ***
=====

[Note]

=====
*** Important Notes ***
=====

[Important Notes]

=====
*** Modification History ***
=====

=====
[Modifications made:]

Rank C

Symptom corrected:

- If the machine reboots due to a forced shut-down, a power outage, unplugging a power cable, or an SC819 error, jobs using certain applications might not print.

Other changes:

- SP5-490-001 (MF Key Card: Job Permit Setting) is now available.

[Modification history]

Version 1.10

Rank C

Symptom corrected:

- An SC899 error might occur if displaying the print job history on the Web Image Monitor after printing a file with a long name.

Version 1.08

Rank C

Symptom corrected:

- IPDS printing might stall if IPDS jobs are printed continuously.
- IPDS form creation might fail when specifying a custom paper size.
- Some characters in the IPDS form name might be distorted when specifying a tray form.
- It might take time to resume a job if it is suspended while the device is in Energy Saver mode.

Other changes:

- Added BitSwitch#12-3 to select the behavior when the print job has more than the maximum of staple capability.

BitSwitch#12-3

0 (default): Sheets are fed out without being stapled.

1 : Sheets are stapled and fed out.

Version 1.07

Symptom corrected:

A change to the Adjust Print Position setting might not be saved after a reboot.

Version 1.06

Symptom corrected:

- The wrong content might be written on the Printer Configuration page.

Other changes:

- When the Auto Logout timer is invoked can be changed:

SP5-401-230 bit7 = 1: When the job executed from the operation panel is completed.

SP5-401-230 bit7 = 0: When the user last had interaction with the panel.

Version 1.05

Symptom corrected:

- The stapleless stapler function on the finisher cannot be used when the staple cartridge is empty or removed.
- A PCL font numbered 64 or later cannot be used as the default font. (GFPR#RE17010004)
- The wrong content might be written on the Printer Configuration page.

Version 1.03

Symptom corrected:

After an SC reboot occurs, if the dialog window stating that the automatic reboot has occurred is not closed, SDK-J applications cannot be started, which results in an SC990 error occurring.

Version 1.00

1st Mass production