```
================================================================
*** Basic Information ***
================================================================
[Create date] 2018/02/13
----------------------------------------------------------------
[Program Name] Printer
----------------------------------------------------------------
[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.] D1835701H
[File Information]
 File Name       D1835701H.fwu
 File Type       Module for Service
 Size            3.97 MB ( 4164424 byte )
[File Information]
 File Name       D1835701H.rfu
 File Type       Module for Remote Upgrade
 Size            3.98 MB ( 4169984 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2018/02
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

----------------------------------------------------------------


================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------
```

```
================================================================
*** Modification History ***
================================================================
```
[Modifications made:]
Rank C

Symptom corrected:
- IPDS printing might stall if IPDS jobs are printed continuously.
- Printer configuration page might show incorrect information about
  the bypass tray paper size.
- An SC899 error might occur when the RHPP port (port 59100)
  receives specific data.
- It might take time to resume a job if it is suspended while the
  device is in Energy Saver mode.


```
--------------------------------------------------------------
```
[Modification history]
```
----------------------------------------
```
Version 1.13
Fixed:
- When printing from an application that uses the SmartSDK interface,
  the number of pages to be printed that is displayed in the
  application might be incorrect.
- 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.
- When attempting to preview a large-size JPEG image from
  "Print/Scan (Memory Storage Device)", an SC899 error occurs.


```
----------------------------------------
```
Version 1.12
 Symptom corrected:
- If the "Store and Skip Errored Jobs" function is enabled on a
  printer that has an HDD installed and a job is sent to the printer
  while the device is in sleep mode, the job will be changed to a
  hold job instead of printing.


```
----------------------------------------
```
Version 1.11
 Symptom corrected:
1. While printing a job by using Enhanced Locked Print NX v2, the
   following jobs cannot be spooled on the device. Because of this,
   the data-in LED does not blink until all of the pages from the
   current job have finished printing.
2. Printing back-to-back jobs by using Enhanced Locked Print NX v2
   might cause an SC997 error.
3. The specific combination of "Duplex/Booklet" and "Bypass Tray"
   might not be selectable from the settings in the SDK application
   even though the combination is supported.
4. A print job conducted from Ricoh Smart Device Print&Scan via

Enhanced Locked Print NX FS v2 cannot be printed.

Version 1.07
 Specification Change:
- Supported APIs for web applications v1.01.
 Symptom corrected:
- The printer API might encounter an error state and send data that
  is different from the actual state of the printer. This occurs
  when the printer status level is "Warning" and when the printer
  status is retrieved by the printer API.

Version 1.06
 Symptom corrected:
1. The Compulsory Security Stamp is not printed under the following
   conditions:
   - "Compulsory Security Stamp: Printer" is enabled in the
     Administrator Tools of System Settings.
   - The printer displays one of the following languages: Simplified
     Chinese, Traditional Chinese, Korean, Thai, Hebrew, Arabic, or
     Turkish. (GFPR#RA13100005)
2. A specific combination of Staple and Punch or Staple and
   Duplex/Booklet cannot be selected from the SDK application even
   though the combination is supported.
3. A specific combination of Staple and Punch or Staple and
   Duplex/Booklet can be selected from the SDK application even
   though the combination is not supported; however, the selected
   configuration is not applied.

Other changes:
1. SP5-490-001 (MF Key Card: Job Permit Setting) is now available.
Note: Previously, this SP could only be used on machines sold in
      Japan.
2. Supported APIs for web applications.

Version 1.05
Symptom corrected:
1. SC990 might occur while viewing a print preview on the operation
   panel after navigating from "Printer" to "Print from Memory
   Storage Device" and then clicking "Preview".
2. When an A4-size document is printed from the bypass tray while
   the printer is in Low Power Mode, the setting "Paper Confirmation
   for Bypass Tray" is configured to "Display", and A4 paper is set
   to LEF in the bypass tray, a paper jam occurs.

Version 1.04
Symptom corrected:

1. The printer might stall when one of the following is performed:
  - Printing without storing jobs that contain exclusions when using the
    "Card Authentication Package V2", "Enhanced Locked Print NX V2",
    "Card Authentication Package Enterprise Server V2", or "Enhanced Locked Print NX
     Flex Server V2" setting.
  - Printing a webpage from the browser on the operation panel.
2. Printing with Front Cover enabled and using a combination of duplex printing and
   the Bypass Tray might cause the pages to be printed in the incorrect order.
3. Printing back-to-back jobs to the Bypass Tray might cause a paper mismatch error
   after three jobs have been printed.

Version 1.03
1st mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2018/02/13
----------------------------------------------------------------
[Program Name] Printer
----------------------------------------------------------------
[Version] 1.15
----------------------------------------------------------------
[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.] D7575701J
[File Information]
 File Name        D7575701J.fwu
 File Type        Module for Service
 Size             3.97 MB ( 4164140 byte )
[File Information]
 File Name        D7575701J.rfu
 File Type        Module for Remote Upgrade
 Size             3.98 MB ( 4169984 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2018/02
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

----------------------------------------------------------------


================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------
```

```
================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank C

Symptom corrected:
- IPDS printing might stall if IPDS jobs are printed continuously.
- Printer configuration page might show incorrect information about
  the bypass tray paper size.
- An SC899 error might occur when the RHPP port (port 59100)
  receives specific data.
- It might take time to resume a job if it is suspended while the
  device is in Energy Saver mode.


--------------------------------------------------------------------------
[Modification history]
-----------------------------------------
Version 1.14
Fixed:
- 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.
- When attempting to preview a large-size JPEG image from
  "Print/Scan (Memory Storage Device)", an SC899 error occurs.


-----------------------------------------
Version 1.13
Changed: Minor bug correction

-----------------------------------------
Version 1.12
 Symptom corrected:
- If the "Store and Skip Errored Jobs" function is enabled on a
  printer that has an HDD installed and a job is sent to the printer
  while the device is in sleep mode, the job will be changed to a
  hold job instead of printing.


-----------------------------------------
Version 1.11
 Symptom corrected:
1. While printing a job by using Enhanced Locked Print NX v2, the
   following jobs cannot be spooled on the device. Because of this,
   the data-in LED does not blink until all of the pages from the
   current job have finished printing.
2. Printing back-to-back jobs by using Enhanced Locked Print NX v2
   might cause an SC997 error.
3. The specific combination of "Duplex/Booklet" and "Bypass Tray"
   might not be selectable from the settings in the SDK application
   even though the combination is supported.
```

4. A print job conducted from Ricoh Smart Device Print&Scan via
   Enhanced Locked Print NX FS v2 cannot be printed.

Version 1.03
 Symptom corrected:
1. The Compulsory Security Stamp is not printed under the following
   conditions:
   - "Compulsory Security Stamp: Printer" is enabled in the
     Administrator Tools of System Settings.
   - The printer displays one of the following languages: Simplified
     Chinese, Traditional Chinese, Korean, Thai, Hebrew, Arabic, or
     Turkish. (GFPR#RA13100005)
2. A specific combination of Staple and Punch or Staple and
   Duplex/Booklet cannot be selected from the SDK application even
   though the combination is supported.
3. A specific combination of Staple and Punch or Staple and
   Duplex/Booklet can be selected from the SDK application even
   though the combination is not supported; however, the selected
   configuration is not applied.

 Other changes:
1. SP5-490-001 (MF Key Card: Job Permit Setting) is now available.
   Note: Previously, this SP could only be used on machines sold in
       Japan.

Version 1.02
 Symptom corrected:
1. SC990 might occur while viewing a print preview on the operation
   panel after navigating from "Printer" to "Print from Memory
   Storage Device" and then clicking "Preview".
2. When an A4-size document is printed from the bypass tray while
   the printer is in Low Power Mode, the setting "Paper Confirmation
   for Bypass Tray" is configured to "Display", and A4 paper is set
   to LEF in the bypass tray, a paper jam occurs.

Version 1.01
 Symptom corrected:
1. The printer might stall when one of the following is performed:
   - Printing without storing jobs that contain exclusions when
     using the "Card Authentication Package V2", "Enhanced Locked
     Print NX V2", "Card Authentication Package Enterprise Server
     V2", or "Enhanced Locked Print NX Flex Server V2" setting.
   - Printing a webpage from the browser on the operation panel.
2. Printing with Front Cover enabled and using a combination of
   duplex printing and the Bypass Tray might cause the pages to be
   printed in the incorrect order.
3. Printing back-to-back jobs to the Bypass Tray might cause a paper
   mismatch error after three jobs have been printed.

Version 1.00
1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2017/06/28
----------------------------------------------------------------
[Program Name] RPCS
----------------------------------------------------------------
[Version] 3.13.30
----------------------------------------------------------------
[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.] D7575703D
[File Information]
 File Name      D7575703D.fwu
 File Type      Module for Service
 Size          0.55 MB ( 579796 byte )
[File Information]
 File Name      D7575703D.rfu
 File Type      Module for Remote Upgrade
 Size          0.56 MB ( 585984 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2017/07
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

----------------------------------------------------------------


================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------
```

===
*** Modification History ***
===
[Modifications made:]
Fixed:
- When "Unauthorized Copy Prevention Printing: Printer" is enabled,
  an error might occur, causing the job to be cancelled. (GFPR#RA14120002)

[Modification history]

Version 3.13.29
 Symptom corrected:
- When printing a RPCS vector job that contains an image with
  transparent parts that the RPCS driver generates, the transparent
  parts are printed in black.

Version 3.13.28
Symptom corrected:
1. If the number of copies for a collated job is set to "1" in the
   driver and the number of copies is changed on the operation panel
   in which Enhanced Locked Print NX v2 is installed, then the
   Collate setting in the driver might not be applied.
2. When printing from Adobe Reader 9, characters might be missing,
   cut off, or experience other rendering problems.
3. When printing certain documents in Microsoft Word, an SC899 error
   might occur.

Version 3.13.27
1st Mass production

```
==============================================================================
*** Basic Information ***
==============================================================================
[Create date] 2017/06/21
------------------------------------------------------------------------
[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.] D7575706J
[File Information]
 File Name        D7575706J.fwu
 File Type        Module for Service
 Size           1.38 MB ( 1451088 byte )
[File Information]
 File Name        D7575706J.rfu
 File Type        Module for Remote Upgrade
 Size           1.39 MB ( 1458432 byte )
------------------------------------------------------------------------
[Production reflection]
------------------------------------------------------------------------


==============================================================================
*** Note ***
==============================================================================
[Note]

------------------------------------------------------------------------



==============================================================================
*** Important Notes ***
==============================================================================
[Important Notes]

------------------------------------------------------------------------
```

```
================================================================
*** Modification History ***
================================================================
[Modifications made:]
Symptom corrected:
- 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)
- 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)
- When printing the contents of an A3 size document on A4 size paper
  via Direct printing, the text might be distorted.


----------------------------------------------------------------
[Modification history]
------------------------------------------
Version 1.10
Symptom corrected:
1. An SC899 error might occur when printing a PCL job which contains
   reduce or enlarge image. (GFPR#RE16020028)
2. Some lines of text and/or dotted lines might be missing when
   using the PCL overlay macro. (GFPR#RC16040013)
3. When "Unauthorized Copy Prevention Printing: Printer" is enabled,
   an error might occur, causing the job to be cancelled.
   (GFPR#RA14120002)
4. 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.
5. An SC899 error might occur when graphics are drawn by the RGB Brush.
6. When printing a excel sheet that contains images that drawn by
   collar custom brush, the job may be canceled.


------------------------------------------
Version 1.09
 Symptom corrected:
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)


------------------------------------------
Version 1.08
Symptom corrected:
1. Using a bitmap font might result in jobs being cancelled. (GFPR#RE13100030)
2. When printing a PCL vector job that contains an image with transparent parts
   that the PCL driver generates, the transparent parts are printed in black.
3. An image that has had its size downscaled, such as a logo, might not be printed.
   (GFPR#RE14080016)
```

4. 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.
5. When printing a PCL5 host-printing job in which 32,000 or more of the fill
   patterns are specified, the device will stall.
6. 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)

Version 1.07
 Symptom corrected:
1. When the print settings are changed for a stored document that
   includes a banner page, the changed settings are not applied when
   the document is printed.
2. 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)
3. PCL jobs with a specified clip range might print unnecessary 1-
   pixel width lines on the printout.

Version 1.06
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, GFPR#RC14040001, GFPR#RC14040003 ,GFPR#RC14040002,
    GFPR#RC14040004, GFPR#RC14040006, GFPR#RE14040016, GFPR#RC14040007,
    GFPR#RC14040009, GFPR#RE14050015]
2. 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]

Version 1.05
 Symptom corrected:
1. When printing a PCL job, characters might be missing, cut off, or
   experience other rendering problems.
2. When printing PCL job, an SC899 error might occur.
3. 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.
4. The even page of the duplex job cannot be previewed from the SDK
   application.

Version 1.04
Version 1.04
1st Mass production

```
================================================================================
*** Basic Information ***
================================================================================
[Create date] 2018/08/06
--------------------------------------------------------------------------
[Program Name] Java VM v11 std for eDC
--------------------------------------------------------------------------
[Version] 11.40.01
--------------------------------------------------------------------------
[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.] D1825566W_edc
[File Information]
 File Name         D1825566W_edc.ifu
 File Type         Module for Service
 Size              58.98 MB ( 61845944 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 wrong JavaVM firmware can be mistakenly installed on any machine,
  possibly leading to unexpected errors occurring with JavaVM or
  bootup failing.
- The printing speed is not as fast as the past model if CAP V2 is installed.
- The package firmware might not be updated if the firmware includes
  an application that needs to be rebooted when updated.
- The SDK application may stop suddenly due to the increase of memory usage.
- Gloria don't start up when power off/on then system settings can't be used.

Other changes:
- Minor changes for its internal operations.
- Login might fail if attempting to log in with an IC card while the
  On-demand Print screen is displayed.

[Modification history]

Version 11.38.01
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 11.37.00
Symptom corrected:
- 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 11.31.00
Symptom corrected:
- Less than 128-bit encryption methods will be prohibited.
- Machine may stall, if scanned from the contact glass with Size
  Setting disabled.
- SC637 may occur, if the machine is shut down while printing.
- CAP V2 is disabled if switched to Energy Saver mode while CAP V2
  starts up after power ON.
- If the firmware is updated remotely while the device is in energy
  saving mode, the SDK platform may not boot up.
- User information may not be displayed, if a job is run by logging
  in with the user code authentication.
- Machine response slows down when a trouble occurs in the HDD.
- Search, copy & paste of texts may not work in searchable PDF files
  created in Polish and Hungarian languages.
- Characters are randomly broken onto new lines, if the following
  settings are configured in Scan Settings:
   1. Vertical text in a PDF file is copied and pasted into an application.
   2. "OCR Settings" is set to "On".
   3. "Cognitive Language" is set to "Japanese".

Version 11.29.02
Symptom corrected:
- Java VM may not start up correctly if the main power switch is
  turned OFF about three minutes after the "Success" banner is
  displayed following a successful update of the Java VM using the
  update tool.
- If Kerberos authentication is performed with an ESA application
  (e.g. CAP v2, Streamline NX), the handling cannot time out even if
  the specified time expires.

Version 11.28.03
 Symptom corrected:
- If an ESA application that uses Administrator Authentication
  Management, User Authentication Management, or Enhanced External
  Charge Unit Management (e.g. CAP v2, Streamline NX) stops during
  logout handling, the logout cannot be completed.
- In the case that Streamline NX is installed (with the PKI module)
  on the following models, authentication may not be performed.
    - MP C6502/C8002

Version 11.26.04
 Symptom corrected:
- If the following is repeated, devices with CAP v2 installed will
  stall or behave slowly.
  Log in to the device --> Switch to energy save mode --> Return
  from energy save mode

- When "OCR Settings" is set to "On", if the keywords in a PDF file
  are scanned by selecting a language other than "Japanese" in
  the "Cognitive Language" setting, the position of the search
  results might be incorrect. The OCR scanned PDF function of
  GlobalScan NX serverless edition corresponds this bug fix.
- When Java VM is updated via Remote Install Manager, the stack size
  may be reset to the default size from the specified size.
- When an ESA application remains in an offline state such as an ESA
  application accesses the device HDD or entering SP mode, if the
  device switches to offline mode (such as when entering UP), the
  device may stall.
- When an ESA application is installed via Remote Install Manager,
  the heap size may be reset to the default size from the specified
  size.

Version 11.24.02
Symptom corrected
- SC997/998 may occur when changing ESA application or
  transitioning/recovering energy saver mode.
- When the ESA application tries to switch under a heavy load and an
  SC997 occurs, the application cannot switch even after the SC997
  is resolved.

Version 11.23.00
Symptom correxted:
- SC997 may occur after restarting the device when the ESA
  application is online-installed using Remote Install Manager and
  the ESA application is set as function priority.

Error Correction:
- minor bug correction
- If a keystroke reader is connected to the device, SC 899 may occur
  when the device is returned from energy save mode.

Version 11.21.00
 Error correction
- Supported IC card reader/writer (PR-700UDM).

Version 11.19.03
Symptom corrected:
- SDK app cannot reconnect after connection is broken by Andriod
  during operation.
- Logout refusal does not function correctly and the user login
  information cannot be retrieved if the user tries to log out
  immediately after logging in.
- If logout is performed immediately after logging in, logout

refusal may not be performed correctly and the login user
information may not be retrieved.

Other changes:
- Supports remote installation of APIs for Web applications.

Version 11.18.01
 Symptom corrected:
- Minor bug correction

Version 11.16.00
Fixed:
- If the scan function is used on a device with Streamline NX,
  GlobalScan NX, or RICOH Scan CX installed, the job log is not
  registered correctly.
- If ESA application is installed, HTTP communication may not be
  performed correctly.

Version 11.15.01
Fixed:
- When using the scan function continuously on a device with
  Streamline NX or GS-NX is installed, a "Scanner is in use by
  another function" error may occur.

Version 11.14.02
Fixed:
- If CAP v2 or Streamline NX is used, card login may not be perfomed.
- Application switching might not be perfomed when Steamline NX or
  3rd vendor application switches the normal application on the
  operation panel.
- USB device ESA applications use cannot be used because vender ID
  and product ID are not correctly registered on the device.
- When the device recieves a lot of data, the device may freeze.
- As for Streamline NX, the login screen immediately after an
  application change is not displayed.
- ELP-NX V2 does not accept the print job, even if a error code
  which allows printing to continue is notified.
- When switching a language on the initial setting screen, if the
  initial setting screen is closed immediately, the display does not
  switch the language in the ESA application.
- When the device display language is Turkish or Catalan, the ESA
  application icon does not display on the home screen.

Version 11.13.01

Symptom Corrected:
SC990 occurs when machine is powered on, and it cannot be recovered by the machine reboot.

Version 11.12.01
Fixed:
- SC899 may occur when a device recovers from STR mode.
   Important: To apply the change, you also need to install
   the System/Copy firmware version as shown below.
   v2.22 or later. (D146)
   v1.16 or later. (D147)
   v2.22 or later. (D148)
   v1.10 or later. (D149)
   v1.02 or later. (D182)

- ESA application screen may be displayed when visible/not visible settings
   for ESA counter screen is changed 5 or more times.
- Coin charge request may not be displayed on ESA application screen
   even no charge remains in a coin rack.

Version 11.10.02
Fixed:
- A Java VM internal process causes a change to the device's configured
   sleep timing.
- ELP-NX v2 cannot be installed to MET-C1/CH-C1 via eDC-i.
- 4 line LCD devices do not enter Energy Saver Mode after specific operations.

Version 11.07.00
1st Mass production

===
*** Basic Information ***
===
[Create date] 2018/08/06

[Program Name] Java VM v11 std UpdateTool

[Version] 11.40.01

[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.] D1825566W_upd
[File Information]
 File Name   D1825566W_upd.exe
 File Type   Module for Service
 Size   58.82 MB (61682190 byte)
 Check Sum -8Bit Sum: E917
        -16Bit Sum(Little Endian): 60A9
        -16Bit Sum(Big Endian): 9F6E
[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 wrong JavaVM firmware can be mistakenly installed on any machine,
  possibly leading to unexpected errors occurring with JavaVM or
  bootup failing.
- The printing speed is not as fast as the past model if CAP V2 is installed.
- The package firmware might not be updated if the firmware includes
  an application that needs to be rebooted when updated.
- The SDK application may stop suddenly due to the increase of memory usage.
- Gloria don't start up when power off/on then system settings can't be used.

Other changes:
- Minor changes for its internal operations.
- Login might fail if attempting to log in with an IC card while the
  On-demand Print screen is displayed.

[Modification history]

Version 11.38.01
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 11.37.00
Symptom corrected:
- 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 11.31.00
Symptom corrected:
- Less than 128-bit encryption methods will be prohibited.
- Machine may stall, if scanned from the contact glass with Size
  Setting disabled.
- SC637 may occur, if the machine is shut down while printing.
- CAP V2 is disabled if switched to Energy Saver mode while CAP V2
  starts up after power ON.
- If the firmware is updated remotely while the device is in energy
  saving mode, the SDK platform may not boot up.
- User information may not be displayed, if a job is run by logging
  in with the user code authentication.
- Machine response slows down when a trouble occurs in the HDD.
- Search, copy & paste of texts may not work in searchable PDF files
  created in Polish and Hungarian languages.
- Characters are randomly broken onto new lines, if the following
  settings are configured in Scan Settings:
    1. Vertical text in a PDF file is copied and pasted into an application.
    2. "OCR Settings" is set to "On".
    3. "Cognitive Language" is set to "Japanese".

Version 11.29.02
Symptom corrected:
- Java VM may not start up correctly if the main power switch is
  turned OFF about three minutes after the "Success" banner is
  displayed following a successful update of the Java VM using the
  update tool.
- If Kerberos authentication is performed with an ESA application
  (e.g. CAP v2, Streamline NX), the handling cannot time out even if
  the specified time expires.

Version 11.28.03
 Symptom corrected:
- If an ESA application that uses Administrator Authentication
  Management, User Authentication Management, or Enhanced External
  Charge Unit Management (e.g. CAP v2, Streamline NX) stops during
  logout handling, the logout cannot be completed.
- In the case that Streamline NX is installed (with the PKI module)
  on the following models, authentication may not be performed.
    - MP C6502/C8002

Version 11.26.04
 Symptom corrected:
- If the following is repeated, devices with CAP v2 installed will

stall or behave slowly.
  Log in to the device --> Switch to energy save mode --> Return
  from energy save mode
- When "OCR Settings" is set to "On", if the keywords in a PDF file
  are scanned by selecting a language other than "Japanese" in
  the "Cognitive Language" setting, the position of the search
  results might be incorrect. The OCR scanned PDF function of
  GlobalScan NX serverless edition corresponds this bug fix.
- When Java VM is updated via Remote Install Manager, the stack size
  may be reset to the default size from the specified size.
- When an ESA application remains in an offline state such as an ESA
  application accesses the device HDD or entering SP mode, if the
  device switches to offline mode (such as when entering UP), the
  device may stall.
- When an ESA application is installed via Remote Install Manager,
  the heap size may be reset to the default size from the specified
  size.

Version 11.24.02
Symptom corrected:
- SC997/998 may occur when changing ESA application or
  transitioning/recovering energy saver mode.
- When the ESA application tries to switch under a heavy load and an
  SC997 occurs, the application cannot switch even after the SC997
  is resolved.

Version 11.23.00
Symptom correxted:
- SC997 may occur after restarting the device when the ESA
  application is online-installed using Remote Install Manager and
  the ESA application is set as function priority.

Error Correction:
- minor bug correction
- If a keystroke reader is connected to the device, SC 899 may occur
  when the device is returned from energy save mode.

Version 11.21.00
 Error correction
- Supported IC card reader/writer (PR-700UDM).

Version 11.19.03
Symptom corrected:
- SDK app cannot reconnect after connection is broken by Andriod
  during operation.
- Logout refusal does not function correctly and the user login

information cannot be retrieved if the user tries to log out
immediately after logging in.
- If logout is performed immediately after logging in, logout
  refusal may not be performed correctly and the login user
  information may not be retrieved.

Other changes:
- Supports remote installation of APIs for Web applications.

Version 11.18.01
 Symptom corrected:
- Minor bug correction

Version 11.16.00
Fixed:
- If the scan function is used on a device with Streamline NX,
  GlobalScan NX, or RICOH Scan CX installed, the job log is not
  registered correctly.
- If ESA application is installed, HTTP communication may not be
  performed correctly.

Version 11.15.01
Fixed:
- When using the scan function continuously on a device with
  Streamline NX or GS-NX is installed, a "Scanner is in use by
  another function" error may occur.

Version 11.14.02
Fixed:
- If CAP v2 or Streamline NX is used, card login may not be perfomed.
- Application switching might not be perfomed when Steamline NX or
  3rd vendor application switches the normal application on the operation panel.
- USB device ESA applications use cannot be used because vender ID
  and product ID are not correctly registered on the device.
- When the device recieves a lot of data, the device may freeze.
- As for Streamline NX, the login screen immediately after an
  application change is not displayed.
- ELP-NX V2 does not accept the print job, even if a error code
  which allows printing to continue is notified.
- When switching a language on the initial setting screen, if the
  initial setting screen is closed immediately, the display does not
  switch the language in the ESA application.
- When the device display language is Turkish or Catalan, the ESA
  application icon does not display on the home screen.

Version 11.13.01
Symptom Corrected:
SC990 occurs when machine is powered on, and it cannot be recovered by the machine reboot.

Version 11.12.01
Fixed:
- SC899 may occur when a device recovers from STR mode.
  Important: To apply the change, you also need to install
  the System/Copy firmware version as shown below.
  v2.22 or later. (D146)
  v1.16 or later. (D147)
  v2.22 or later. (D148)
  v1.10 or later. (D149)
  v1.02 or later. (D182)

- ESA application screen may be displayed when visible/not visible settings
  for ESA counter screen is changed 5 or more times.
- Coin charge request may not be displayed on ESA application screen
  even no charge remains in a coin rack.

Version 11.10.02
Fixed:
- A Java VM internal process causes a change to the device's configured
  sleep timing.
- ELP-NX v2 cannot be installed to MET-C1/CH-C1 via eDC-i.
- 4 line LCD devices do not enter Energy Saver Mode after specific operations.

Version 11.07.00
1st Mass production.

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2017/08/01
----------------------------------------------------------------
[Program Name] OpePanel
----------------------------------------------------------------
[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(ja,en,f,e,d,i,nl,s,n,dk,sf,p,pl,h,cz,ru,sc,tc,br,tr,ca,gr)
[Firmware No.] D1821490H
[File Information]
 File Name        D1821490H.fwu
 File Type        Module for Service
 Size             49.57 MB ( 51975132 byte )
[File Information]
 File Name        D1821490H.rfu
 File Type        Module for Remote Upgrade
 Size             49.57 MB ( 51982592 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection]
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

----------------------------------------------------------------


================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------
```

```
================================================================
*** Modification History ***
================================================================
```
[Modifications made:]
Other changes:
- Newly added SMBv2/v3 support.
This firmware is dependent on the following firmware modules.
Please be sure to update all of them:

System/Copy v1.16 (D1825530P)
Network Support v12.76.1 (D1825544J)
Web Support v1.02 (D1825539E)
Scanner v03.01 (D7575704F)
OpePanel
- General model: v1.09 (D1821490H)
- Koria model: v1.06 (D1821491E)

Please refer to the RTB(No.RGene095) for details.


```
------------------------------------------------------------------------
```
[Modification history]
```
-----------------------------------------
```
Version 1.08
 Other changes:
1. Support for displaying the estimated time to obtain logs that are
   stored by using the log-storing function.
2. Support for using the rear SD card slot to obtain logs that are
   stored on the device by using the log-storing function.


```
-----------------------------------------
```
Version 1.07
 Specification changed:
The message displayed in WIM when the paper is loaded incorrectly
was changed as follows:
 - Before: "Reduce paper in the tray(s) to the limit mark and
   reset it correctly."
 - After: "Reduce paper in the tray(s) to the limit mark or reset
   it correctly."

 Other changes:
Supports Web application API V1.01.


```
-----------------------------------------
```
Version 1.06
Symptom corrected:
Slow response of the operation panel.


```
-----------------------------------------
```

Version 1.05
Other changes:
A login screen is displayed at power ON that requires the Administrator or Supervisor
to set a password in cases where this password has not been set yet.

Version 1.04
Minor bug correction

Version 1.03
 Symptom corrected:
The accuracy of touch panel coordinate detection waw improved.

Version 1.02
1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2017/08/01
----------------------------------------------------------------
[Program Name] OpePanel
----------------------------------------------------------------
[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) KOR(ja,en,f,e,d,i,nl,s,n,dk,sf,p,pl,h,cz,ru,sc,tc,kr,br,tr,gr)
[Firmware No.] D1821491E
[File Information]
 File Name        D1821491E.fwu
 File Type        Module for Service
 Size            49.64 MB ( 52055276 byte )
[File Information]
 File Name        D1821491E.rfu
 File Type        Module for Remote Upgrade
 Size            49.65 MB ( 52060416 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection]
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

----------------------------------------------------------------


================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------
```

```
=======================================================================
*** Modification History ***
=======================================================================
```
[Modifications made:]
Other changes:
- Newly added SMBv2/v3 support.
This firmware is dependent on the following firmware modules.
Please be sure to update all of them:

System/Copy v1.16 (D1825530P)
Network Support v12.76.1 (D1825544J)
Web Support v1.02 (D1825539E)
Scanner v03.01 (D7575704F)
OpePanel
- General model: v1.09 (D1821490H)
- Koria model: v1.06 (D1821491E)

Please refer to the RTB(No.RGene095) for details.


```
-------------------------------------------------------------------
```
[Modification history]
```
-----------------------------------------
```
Version 1.05
 Other changes:
1. Support for displaying the estimated time to obtain logs that are
   stored by using the log-storing function.
2. Support for using the rear SD card slot to obtain logs that are
   stored on the device by using the log-storing function.


```
-----------------------------------------
```
Version 1.04
 Specification changed:
The message displayed in WIM when the paper is loaded incorrectly was changed as follows:
 - Before: "Reduce paper in the tray(s) to the limit mark and reset
   it correctly."
 - After: "Reduce paper in the tray(s) to the limit mark or reset it
   correctly."

 Other changes:
Supports Web application API V1.01.


```
-----------------------------------------
```
Version 1.03
Symptom corrected:
Slow response of the operation panel.


```
-----------------------------------------
```
Version 1.02

Other changes:
A login screen is displayed at power ON that requires the Administrator or
Supervisor to set a password in cases where this password has not been set yet.

Version 1.01
1st Mass production

```
=================================================================
*** Basic Information ***
=================================================================
[Create date] 2018/10/30
-----------------------------------------------------------------
[Program Name] System/Copy
-----------------------------------------------------------------
[Version] 1.19
-----------------------------------------------------------------
[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.] D1825530S
[File Information]
 File Name        D1825530S.fwu
 File Type        Module for Service
 Size             25.61 MB ( 26850840 byte )
[File Information]
 File Name        D1825530S.rfu
 File Type        Module for Remote Upgrade
 Size             25.61 MB ( 26857728 byte )
[Availability of RFU] Yes
-----------------------------------------------------------------
[Production reflection] 2018/10
-----------------------------------------------------------------


=================================================================
*** Note ***
=================================================================
[Note]

-----------------------------------------------------------------


=================================================================
*** Important Notes ***
=================================================================
[Important Notes]

-----------------------------------------------------------------


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

==
[Modifications made:]
Rank C

Other changes:

The wait timer for the startup of the SDK/J application can be
increased through SP mode.
SP5-101-190: PrimacyApli WaitTimer
 0: 180 seconds
 1: 360 seconds

[Modification history]

Version 1.18
Rank C

Symptom corrected:
- Kerberos authentication might take time because the TCP timestamp
  starts with a zero.
- The scanner might stall when preview is enabled while scanning.

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/Copy firmware v1.18 (D1825530R)
  or later, so please be sure to update that firmware as well.

Version 1.17
Rank C

Symptom corrected:
- In the case of the following conditions, when attempting to log in
  to a device with CAP v2 installed, the attempt may fail with the
  "Failed to authenticate. Address Book is being updated." error message.
  - The FAX function is enabled on the device.
  - "Logout Using Card" is set as "On" in the CAP configuration tool.
- An SC819 error might occur when using network-related functions,
  such as accessing Web Image Monitor.
- SC819 may occur.
- When a machine administrator logs in to the device, the "Scanner Features"
  screen might suffer from low brightness and be unresponsive.
- The service mode lock can falsely be unlocked by the user under
  particular conditions.
- An invalid value is returned when obtaining the counter MIB,
  ricohEngCounterValue, during device shutdown.
- LEF direction paper must be required when user try to print via
  Baypass tray in the setting that "Tray setting priority > Paper
  Confirmation for Baypass Tray" is " Display".
- Remaining printing time displayed is incorrect (e.g. 999min) for
  jobs printed from the document server.
- Abnormal image might be generated in booklet printing including
  non printed paper (white paper) via PS.

- Image quality issue might be generated when printing from document
  box by PS.
- OCR scanning might be error in sepecific situation.

Version 1.16
Other changes:
- Newly added SMBv2/v3 support.
This firmware is dependent on the following firmware modules.
Please be sure to update all of them:

System/Copy v1.16 (D1825530P)
Network Support v12.76.1 (D1825544J)
Web Support v1.02 (D1825539E)
Scanner v03.01 (D7575704F)
OpePanel
- General model: v1.09 (D1821490H)
- Koria model: v1.06 (D1821491E)

Please refer to the RTB(No.RGene095) for details.

Version 1.15
 Symptom corrected:
1. SC672-12 occurs when scanning a document into memory while at the
   same time performing Media Print and refreshing the operation
   panel display.
2. Operation panel keys do not work or logout from User
   Authentication is not possible under the following conditions:
   - A Copy job with a large amount of originals is performed
   - Following this, the user presses the "Reset" key or accesses
     the All Job Stop screen
3. SC991-00 occurs and FAXes cannot be sent.
4. When Simplified Chinese characters are included in the additional
   email information, username, password, a destination folder name,
   or a filename for SMB/NCP, the connection is unsuccessful, the
   data transmission fails, or the body of the email contains
   garbled text.
5. For the Enhanced External Charge Unit, although jobs other than
   the printer are restricted, a guest user can conduct jobs of any
   type remotely via WebAPI.
6. When the normal scan application (not Quick Scan) is used on a
   device with CAP v2 (Hybrid mode) installed, an authentication
   dialog will be displayed and the user will not be able to use the
   device.
7. Users sometimes may not be able to log in or log out of devices
   with CAP v2 (Hybrid mode) installed.

 Other changes:
1. Supported RICOH SmartSDK v1.04.

Version 1.14
 Other changes:

Changes were applied for the domestic (Japan) model only.

Version 1.13
 Symptom Corrected:
1. SC990 occurs when rebooting during SDK application booting after
   remote firmware update.
2. SC990 might occur after switching to energy-saving mode.
3. In wireless LAN environments, when A-MSDU is enabled, the device
   cannot receive packet data that is more than 2,048 bytes.
4. When trying to establish an ad-hoc connection among three or more
   devices, the third and subsequent devices cannot connect.
5. The device cannot communicate when using the WMM (Wi-Fi
   Multimedia) function.
6. In wireless LAN environments, when large volume printing is being
   conducted, the job is cancelled in the middle of printing.
7. In wireless LAN environments, when the authentication methods
   WPA2 and A-MPDU are enabled, printing might take a significant
   amount of time.
8. When the threshold for fragmentation is set in the access point
   settings, the MFP/LP will fail to receive the packet data if the
   computer sends data that is larger than the threshold that is
   set.

Other changes:
1. When an MFP receives a print job that includes a user ID, the MFP
   can use the user ID for authentication in embedded applications
   that support user code authentication.
2. SP5-490-001 (MF Key Card: Job Permit Setting) is now available.
Note: Previously, this SP could only be used on machines sold in
     Japan.

Version 1.12
 Symptoms corrected:
1. SC819-38 occurs if the machine repeatedly enters and recovers
   from Energy Saver mode after the main power switch is turned ON,
   followed by SC819 if the machine is used continuously after that.
2. Machine cannot recover from Energy Saver mode.
3. Cannot access flash memory on the controller board.
4. SC819-00 occurs when performing a Scan to Folder job.
5. FAX reception documents cannot be printed out while the machine
   is in Energy Saver mode.
6. The log storing function cannot store the debug log to an SD card.
   - It is recommended to use the 8GB SD Card provided as a service
     part.
   - This correction has been applied since v1.07

 Other changes:
1. Support for displaying the estimated time to obtain logs that are
   stored by using the log-storing function.
2. Support for using the rear SD card slot to obtain logs that are
   stored on the device by using the log-storing function.

Version 1.11
 Symptom Corrected:
1. SC899 occurs when creating a searchable PDF document.
2. The Java VM does not boot up at main power ON when SP5-730-001 is
   enabled.
3. A transmission error occurs during W-NET FAX transmission.
4. SC899 occurs the second time a name is searched via the LDAP
   server.
5. An email is not cancelled if an alert occurs while it is being
   composed and the alert is then cleared.

 Other Changes:
1. Supports CDN (Contents Delivery Network).
2. The message displayed in WIM when the paper is loaded incorrectly
   was changed as follows:

   - Before: "Reduce paper in the tray(s) to the limit mark and
     reset it correctly."
   - After: "Reduce paper in the tray(s) to the limit mark or reset
     it correctly."

Version 1.09
Specification Changes:
Japanese only.

Version 1.07
Symptom corrected:
1. It takes a long time (151 sec.) to access SP mode from the time
   the main power is turned ON (this time was reduced to 46 sec.).
2. The machine stalls under the following conditions:
   - FAX transmission takes about 1 min. to complete
   - After this, a FAX is received and printed out
3. SC899 occurs and the machine stalls.
4. The IP address appears as "0.0.0.0." on the System Settings List
   for the Printer.
5. SC672-11 (Controller start up error) occurs when the machine is
   prompted (e.g. by a print job or other operation) to recover from
   Energy Saver mode.
6. SC870-22 occurs after the machine recovers from Energy Saver mode.

Other changes:
1. The message displayed in WIM when the paper is loaded incorrectly
   was changed as follows:
Before:"Reduce paper in the tray(s) to the limit mark and reset it
       correctly."
After: "Reduce paper in the tray(s) to the limit mark or reset it
       correctly."

Version 1.06
 Symptom corrected:

1. The following may occur if the operator presses the [OK] or [Cancel] buttons for the software keyboard two or more times while inside the Administrator or Supervisor password settings screen.
   - Hard keys do not respond.
   - The machine does not recover from Sleep mode
   - SC816
2. When "OCR Settings" is set to "On", if the keywords in a PDF file are scanned by selecting a language other than "Japanese" in the "Cognitive Language" setting, the position of the search results might be incorrect.

This firmware is dependent on Scanner firmware v01.01 or later, so please be sure to update it.

Version 1.05
 Symptom corrected:
1. SC878 occurs when the machine boots up if a package firmware update is performed.
2. USB storage device is not recognized when inserted into the USB slot on the operation panel after power ON. (This cannot be cleared unless the main power is turned OFF/ON again).
3. The optional secure USB storage device that does not support encrypion is not recognized when inserted into the USB slot on the operation panel, after an optional USB storage (encrypted) is inserted. (This cannot be cleared unless the main power is turned OFF/ON again).
4. The time correction for Summer Time (Southern Hemisphere) is not applied after the setting is enabled.
5. If rebooting the machine with a particular combination of settings made on the scan application, SC899 occurs and the scan application does not activate.
6. "Replace controller board" appears on the operation panel when the machine boots up or recovers from Energy Saver mode.
7. The incorrect name of a supply product is displayed if the stapler is empty when the SR3150 Booklet Finisher is installed.

Other changes:
1. A login screen is displayed at power ON that requires the Administrator or Supervisor to set a password in cases where this password has not been set yet.

Version 1.04
Symptoms corrected:
1. The machine is suddenly disconnected from the @Remote system.
2. Blank white pages are printed out under the following conditions:
- Copy job using Sort, mixed size originals, enlarge/reduce
- First original scanned on exposure glass, second and following scanned with DF
3. SC819 occurs with Compulsory Security Stamp.

Other changes:
1. Support for Korean model.

2. Supports IPv6/DNS for @Remote.
3. Supports package firmware update.
4. Supports back port for remote acquisition of SMC print data,
   access log, and operational log.
5. Low Power Mode was added.

IMPORTANT: To apply the above changes, install this firmware
together with the following firmware as a set:
Network Support Ver.12.72.6 or later

Version 1.02
1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2018/08/08
----------------------------------------------------------------
[Program Name] Web Support
----------------------------------------------------------------
[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.] D1825539F
[File Information]
 File Name        D1825539F.fwu
 File Type        Module for Service
 Size             5.93 MB ( 6217504 byte )
[File Information]
 File Name        D1825539F.rfu
 File Type        Module for Remote Upgrade
 Size             5.93 MB ( 6222080 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2018/08
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

----------------------------------------------------------------


================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------
```

```
================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank C

Symptom corrected:
- The notification message in Korean on the web image monitor was corrected.

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/Copy firmware v1.18 (D1825530R)
or later, so please be sure to update that firmware as well.
```

[Modification history]

Version 1.02
Other changes:
- Newly added SMBv2/v3 support.
This firmware is dependent on the following firmware modules.
Please be sure to update all of them:

System/Copy v1.16 (D1825530P)
Network Support v12.76.1 (D1825544J)
Web Support v1.02 (D1825539E)
Scanner v03.01 (D7575704F)
OpePanel
- General model: v1.09 (D1821490H)
- Koria model: v1.06 (D1821491E)

Please refer to the RTB(No.RGene095) for details.

Version 1.01.4
Symptom corrected:
- Minor bug correction

Version 1.01.3
 Symptom corrected:
- When Swedish or Traditional Chinese is selected as the display
  language in Web Image Monitor, the incorrect wording might be
  shown in the UI.

Other Change:
- WIM message when paper is not set correctly in the right tandem
  tray is changed as shown below.
Current message: "Reduce paper in the tray(s) to the limit mark and

reset it correctly."
Modified Message: " Reduce paper in the tray(s) to the limit mark or
        reset it correctly."

Version 1.01.2
Specification Change:
1. Support for Korean model.
2. Low Power Mode was added.

Symptom corrected:
1. When restoring an address book that was backed up by using an
   encryption key in Web Image Monitor, the Restore function might
   not work correctly.

Version 1.00
1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/11/14
----------------------------------------------------------------
[Program Name] Network Support
----------------------------------------------------------------
[Version] 12.81
----------------------------------------------------------------
[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.] D1825544N
[File Information]
 File Name       D1825544N.fwu
 File Type       Module for Service
 Size          9.25 MB ( 9704136 byte )
[File Information]
 File Name       D1825544N.rfu
 File Type       Module for Remote Upgrade
 Size          9.26 MB ( 9711872 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2019/11
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

----------------------------------------------------------------


================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------


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

==
[Modifications made:]
Rank C

Symptom corrected:

A vulnerability (CVE-2019-1559) to a Padding Oracle Attack on CBC
encryption has been fixed.
To activate this fix, CBC mode must be disabled after updating the firmware.
msh> set cbc down
msh> logout
Enter "yes" to save the changes.

[Modification history]

Version 12.79
Rank C

Symptom corrected:
- When conducting Scan to Folder using SMBv2/v3, if the device
  receives UDP communication from the outside to the port used by
  SMBv2/v3, Scan to Folder might fail.

Version 12.78.1
Rank C

Symptom corrected:
- When the device is set to use "IEEE 802.1X" and "TLS1.2" is set
  to "active", authentication will fail.
- 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.
- SMB client timeout configuration is not correctly applied in the device.
- SC899 occurs when conducting Scan to Folder, and the device might
  automatically restart.
- When conducting Scan to Folder, if a host name is resolved to
  multiple IP addresses by NBNS, the device tries to connect to only
  the first resolved IP address.
- When a HP device is working on the same subnet, Scan to Folder
  will fail.
- Network browsing sometimes fails when conducting Scan to Folder.
- SC819 might occur after ARFU or RFU.
- The device might freeze during data transmission when conducting
  Scan to Folder with SMBv2/v3.
- When conducting Scan to Folder in a high-load network environment,
  the device's status gets stuck on sending and the scanner becomes unusable.

Version 12.77
Symptom corrected:
- On a device with SMBv2/v3 firmware, when sending a scanned or fax
  document using the Hotfolder plug-in for GlobalScan or StreamlineNX,

an "incorrect" document may be sent to the destination and may be
lost the original document.

Version 12.76.1
Other changes:
- Newly added SMBv2/v3 support.
This firmware is dependent on the following firmware modules.
Please be sure to update all of them:

System/Copy v1.16 (D1825530P)
Network Support v12.76.1 (D1825544J)
Web Support v1.02 (D1825539E)
Scanner v03.01 (D7575704F)
OpePanel
- General model: v1.09 (D1821490H)
- Koria model: v1.06 (D1821491E)

Please refer to the RTB(No.RGene095) for details.

Version 12.75
Other changes:
- 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.

Version 12.74
 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.

Version 12.73
 Symptom corrected:
1. When resuming from an Energy Saver mode, functions that use HTTP,
   including Web Image Monitor, might not be usable and the device
   might not be operable.
2. When SP5-985-001 is set to "0" (disabled) and SP5-985-002 is set
   to "1" (enabled), an SC997 error might occur if repeatedly
   switching between the home screen and the system settings screen.
3. When conducting IPP printing on Mac OS X 10.9, the document might
   not print.
4. When running the port scan tool via the IPP port (TCP 631), an
   SC899 error might occur.
5. When the device repeatedly goes in and out of Energy Saver Mode
   while the web browser is running on the operation panel, an SC899

error might occur.

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.

Version 12.72.8
 Symptom corrected:
- If an error occurs during DSM scanner transmission and the job is
  cancelled, and then the DSM scanner is reinitiated, a page might
  be missing from the result of the scanned document.

Version 12.72.7
 Symptom corrected:
- Minor bug correction

Version 12.72.6
Symptoms corrected:
1. The machine is suddenly disconnected from the @Remote system.
2. When resuming from an Energy Saver mode, the Smart Operation
   Panel might not be able to use network features via the GW+
   controller.
3. When simultaneously printing from AppleTalk on a Mac and a
   protocol other than AppleTalk in Windows, an SC899 error might
   occur.
4. 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.

Other changes:
1. Supports IPv6/DNS for @Remote functions.

IMPORTANT: To apply the above changes, install this firmware
together with the following firmware as a set:
 - Model OR-C2: System/Copy Ver1.04 (D1825530D) or later
 - Model OR-C2_SOP: System/Copy Ver1.03 (D1835530) or later

Version 12.72.2
1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/12/17
----------------------------------------------------------------
[Program Name] System/Copy
----------------------------------------------------------------
[Version] 1.19
----------------------------------------------------------------
[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.] D1835530Q
[File Information]
 File Name        D1835530Q.fwu
 File Type        Module for Service
 Size             26.24 MB ( 27519140 byte )
[File Information]
 File Name        D1835530Q.rfu
 File Type        Module for Remote Upgrade
 Size             26.25 MB ( 27525376 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2018/10
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

----------------------------------------------------------------


================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------


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

===
[Modifications made:]
Rank C

Symptom corrected:
- All the keys on the operation panel become inactive after making
  settings in User Tools.
- Operation panel keys do not work or logout from User
  Authentication is not possible under the following conditions:
  - A Copy job with a large amount of originals is performed
  - Following this, the user presses the "Reset" key or accesses the
    All Job Stop screen

Other changes:
- The wait timer for the startup of the SDK/J application can be
  increased through SP mode.
  SP5-101-190: PrimacyApli WaitTimer
   0: 180 seconds
   1: 360 seconds

[Modification history]

Version 1.18
Rank C

Symptom corrected:
- Kerberos authentication might take time because the TCP timestamp
  starts with a zero.
- The scanner might stall when preview is enabled while scanning.
- SP5-074-002 setting does not work.

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/Copy firmware v1.18 (D1835530P)
  or later, so please be sure to update that firmware as well.

Version 1.17
Rank C

Symptom corrected:
- In the case of the following conditions, when attempting to log in
  to a device with CAP v2 installed, the attempt may fail with the
  "Failed to authenticate. Address Book is being updated." error message.
  - The FAX function is enabled on the device.
  - "Logout Using Card" is set as "On" in the CAP configuration tool.
- Ondemand printing applecation error.
- SC819 may occur.
- An SC819 error might occur when using network-related functions,
  such as accessing Web Image Monitor.
- SC819 may occur.
- When a machine administrator logs in to the device, the "Scanner
  Features" screen might suffer from low brightness and be unresponsive.

- The service mode lock can falsely be unlocked by the user under
  particular conditions.
- An invalid value is returned when obtaining the counter MIB,
  ricohEngCounterValue, during device shutdown.
- Abnormal image might be generated in booklet printing including
  non printed paper (white paper) via PS.
- Image quality issue might be generated when printing from document
  box by PS.
- LEF direction paper must be required when user try to print via
  Baypass tray in the setting that "Tray setting priority > Paper
  Confirmation for Baypass Tray" is " Display".
- Remaining printing time displayed is incorrect (e.g. 999min) for
  jobs printed from the document server.

Version 1.16
Other changes:
- Newly added SMBv2/v3 support.
This firmware is dependent on the following firmware modules.
Please be sure to update all of them:

System/Copy v1.16 (D1835530M)
Network Support v12.92.1 (D1835544F)
Web Support v2.03 (D1835539C)
Scanner v02.08 (D1835704J)
Animation v5.00 (D1835541D)

Please refer to the RTB(No.RGene095) for details.

Version 1.15
Symptom corrected:
Scanning error occurs when functions of the OCR unit are used under
specific scanning settings.

Version 1.14
Other Changes:
1. Able to register a new account to the address book even if the
   user is prohibited from registering a new account.
2. Changes were applied for the domestic (Japan) model only.

Version 1.13
 Symptom Corrected:
1. SC990 occurs when card authentication is enabled.
2. When a title information is not displayed when an address book is
   registered via RICOH Device Manager NX series.
3. Machine operation not possible after the user tries to log out
   while there are still originals stacked in the ADF to be scanned.
4. Mixed original scanning is not possible by selecting the size of
   the original.
5. SC899 may occur when launching or making a copy with the SmartSDK

Copy app.
6. Guest users are able to perform jobs of any type remotely via the
   WebAPI despite the Enhanced External Charge Unit being enabled,
   which normally restricts such users from performing all but
   Printer jobs.
7. The "Logging in..." display does not clear from the Smart
   Operation Panel when user login is enabled.
8. Cannot login by IC card when password login is enabled.
9. SC990 might occur after switching to energy-saving mode.
10.In wireless LAN environments, when A-MSDU is enabled, the device
   cannot receive packet data that is more than 2,048 bytes.
11.When trying to establish an ad-hoc connection among three or more
   devices, the third and subsequent devices cannot connect.
12.The device cannot communicate when using the WMM (Wi-Fi
   Multimedia) function.
13.In wireless LAN environments, when large volume printing is being
   conducted, the job is cancelled in the middle of printing.
14.In wireless LAN environments, when the authentication methods
   WPA2 and A-MPDU are enabled, printing might take a significant
   amount of time.
15.When the threshold for fragmentation is set in the access point
   settings, the MFP/LP will fail to receive the packet data if the
   computer sends data that is larger than the threshold that is
   set.
Other changes:
1. When an MFP receives a print job that includes a user ID, the MFP
   can use the user ID for authentication in embedded applications
   that support user code authentication.
2. SP5-490-001 (MF Key Card: Job Permit Setting) is now available.
Note: Previously, this SP could only be used on machines sold in
     Japan.

Version 1.12
 Symptoms corrected:
1. SC819-38 occurs if the machine repeatedly enters and recovers
   from Energy Saver mode after the main power switch is turned ON,
   followed by SC819 if the machine is used continuously after that.
2. Machine cannot recover from Energy Saver mode.
3. Cannot access flash memory on the controller board.
4. SC819-00 occurs when performing a Scan to Folder job.
5. FAX reception documents cannot be printed out while the machine
   is in Energy Saver mode.
6. Cannot login by IC card when password login is enabled.

 Other changes:
1. Support for displaying the estimated time to obtain logs that are
   stored by using the log-storing function.
2. Support for using the rear SD card slot to obtain logs that are
   stored on the device by using the log-storing function.

Version 1.11
 Symptom Corrected:

1. SC899 occurs when creating a searchable PDF document.
2. The Java VM does not boot up at main power ON when SP5-730-001 is enabled.
3. The Copier function is not available if a copy job originates from Rimoco.
4. The Function Priority Setting is not displayed when connecting to the CheethaG1/G1.5.
5. Screen transition becomes unavailable when logging in to Cheetah Service SP mode right after turning the machine power ON.
6. SC899 occurs when logging into Service SP mode.
7. The machine may not accept incoming data after a Cheetah remote F/W update is performed.
8. The user cannot log out of normal authentication if logging out of EQ authentication first, in cases where EQ and normal authentication logins are performed at the same time.

Other Changes:
1. Supports Web application API V1.02.
2. Supports QR code applications.

This firmware is dependent on Web Support firmware v2.02 (D1835539B) or later, so please be sure to update it.

Version 1.10
 Symptom corrected:
1. The message displayed in WIM when the paper is loaded incorrectly was changed as follows:
   - Before: "Reduce paper in the tray(s) to the limit mark and reset it correctly."
   - After: "Reduce paper in the tray(s) to the limit mark or reset it correctly."

2. Invalid/void thumbnail URI is sent out in notification when a job that supports thumbnails is cancelled.
3. Alert notifications might be sent out even if the alert is cancelled before being generated.
4. [Smart Operation Panel models only]: Some functions (install, uninstall, activation, update) can be performed on apps remotely using the appropriate tools.

 Other changes:
1. Supports Web application API V1.01.

Version 1.09
Specification Changes:
Japanese only.

Version 1.08
Specification Changes:
1. Supports CDN (Contents Delivery Network).

Symptom corrected:
1. An email is not cancelled if an alert occurs while it is being
   composed and the alert is then cleared.
2. A logged-in user authorized to use the FAX cannot log out when
   he/she presses the [Logout] button on the SOP (a message stating
   the user cannot logout is displayed twice).
3. The notification screen for when IC card login (with a PIN) fails
   is not displayed when using a UI customized app.
4. A 128-byte password is truncated to 32 bytes when stored in the
   Address Book (Web API).
5. Multi-byte User IDs sent to the SOP may appear as garbled
   characters.
6. A memory leak occurs if the authentication request sent to the
   authentication logic customized app. times out.
7. A UI customized app shuts down when the user logs in using the
   Web API Authentication UI Customization function.

Version 1.07
 Specification changes:
1.The message displayed in WIM when the paper is loaded incorrectly
   was changed as follows:
    Before: "Reduce paper in the tray(s) to the limit mark and reset
         it correctly."
    After: "Reduce paper in the tray(s) to the limit mark or reset
         it correctly."

 Symptom corrected:
1. It takes a long time (151 sec.) to access SP mode from the time
   the main power is turned ON (this time was reduced to 46 sec.).
2. The IP address appears as "0.0.0.0." on the System Settings List
   for the Printer.
3. The machine stalls under the following situations.
   - Send to Fax original that takes about 1 minutes by performing a
     job
   - After performing above, perform FAX received print.
4. SC672-11 (Controller start up error) occurs when the machine is
   prompted (e.g. by a print job or other operation) to recover from
   Energy Saver mode.
5. SC899 occurs and the machine stalls.

Version 1.06
 Symptom corrected:
- When "OCR Settings" is set to "On", if the keywords in a PDF file
  are scanned by selecting a language other than "Japanese" in
  the "Cognitive Language" setting, the position of the search
  results might be incorrect.

This firmware is dependent on Scanner firmware v02.00 or later, so
please be sure to update it.

Version 1.05

Symptom corrected:
1. SC878 occurs when the machine boots up if a package firmware
   update is performed.
2. USB storage device is not recognized when inserted into the USB
   slot on the operation panel after power ON. (This cannot be
   cleared unless the main power is turned OFF/ON again).
3. The optional secure USB storage device that does not support
   encrypion is not recognized when inserted into the USB slot on
   the operation panel, after an optional USB storage (encrypted) is
   inserted. (This cannot be cleared unless the main power is turned
   OFF/ON again).
4. The time correction for Summer Time (Southern Hemisphere) is not
   applied after the setting is enabled.
5. If rebooting the machine with a particular combination of
   settings made on the scan application, SC899 occurs and the scan
   application does not activate.
6. SC819/SC687 may occur when using the Compuldsory Security Stamp.
7. A blank sheet is printed out when scanning mixed-sized originals
   using reduction/enlargement (and can only be cleared by power
   OFF/ON).
8. "Replace controller board" appears on the operation panel when
   the machine boots up or recovers from Energy Saver mode.
9. The incorrect name of a supply product is displayed if the
   stapler is empty when the SR3150 Booklet Finisher is installed.
10.The printer might stall when one of the following is performed:
    - Printing without storing jobs that contain exclusions when
      using the "Card Authentication Package V2", "Enhanced Locked
      Print NX V2", "Card Authentication Package Enterprise Server
      V2", or "Enhanced Locked Print NX Flex Server V2" setting.
    - Printing a webpage from the browser on the operation panel.

Other changes:
1. A login screen is displayed at power ON that requires the
   Administrator or Supervisor to set a password in cases where this
   password has not been set yet.
2. Support for Korean model.

Version 1.03
1st mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2018/08/07
----------------------------------------------------------------
[Program Name] Web Support
----------------------------------------------------------------
[Version] 2.04
----------------------------------------------------------------
[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.] D1835539D
[File Information]
 File Name        D1835539D.fwu
 File Type        Module for Service
 Size          5.93 MB ( 6218632 byte )
[File Information]
 File Name        D1835539D.rfu
 File Type        Module for Remote Upgrade
 Size          5.94 MB ( 6226176 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2018/08
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

----------------------------------------------------------------


================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------
```

```
================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank C

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/Copy firmware v1.18 (D1835530P)
or later, so please be sure to update that firmware as well.



------------------------------------------------------------------------
[Modification history]
-----------------------------------------
Version 2.03
Other changes:
- Newly added SMBv2/v3 support.
This firmware is dependent on the following firmware modules.
Please be sure to update all of them:

System/Copy v1.16 (D1835530M)
Network Support v12.92.1 (D1835544F)
Web Support v2.03 (D1835539C)
Scanner v02.08 (D1835704J)
Animation  v5.00 (D1835541D)

Please refer to the RTB(No.RGene095) for details.



-----------------------------------------
Version 2.02
 Symptom corrected:
1. The following settings are no longer available in Web Image
   Monitor:
   - Device Management > Configuration > Function Priority
   - Device Management > Device Home Management
   - Device Management > User's Own Customization
   - Homepage > Customize Screen per User

 This firmware is dependent on System/Copy firmware v1.11
 (D1835530G) or later, so please be sure to update it.

 Error Correction:
1. The Function Priority Setting is not displayed when connecting to
   the CheethaG1/G1.5.



-----------------------------------------
Version 2.01
 Symptom corrected:
```

- When Swedish or Traditional Chinese is selected as the display
  language in Web Image Monitor, the incorrect wording might be
  shown in the UI.

Other Change:
- WIM message when paper is not set correctly in the right tandem
  tray is changed as shown below.
Current message: "Reduce paper in the tray(s) to the limit mark and
           reset it correctly."
Modified Message: " Reduce paper in the tray(s) to the limit mark or
           reset it correctly."

Version 2.00.1
1st mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2017/08/10
----------------------------------------------------------------
[Program Name] animation
----------------------------------------------------------------
[Version] 5.00
----------------------------------------------------------------
[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.] D1835541D
[File Information]
 File Name       D1835541D.fwu
 File Type       Module for Service
 Size          9.46 MB ( 9919016 byte )
[File Information]
 File Name       D1835541D.rfu
 File Type       Module for Remote Upgrade
 Size          9.47 MB ( 9924864 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection]
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

----------------------------------------------------------------


================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------
```

```
================================================================
*** Modification History ***
================================================================
[Modifications made:]
Other changes:
- Newly added SMBv2/v3 support.
This firmware is dependent on the following firmware modules.
Please be sure to update all of them:

System/Copy v1.16 (D1835530M)
Network Support v12.92.1 (D1835544F)
Web Support v2.03 (D1835539C)
Scanner v02.08 (D1835704J)
Animation  v5.00 (D1835541D)

Please refer to the RTB(No.RGene095) for details.
```

[Modification history]

Version 4.00
Symptom Corrected:
- Traditional Chinese: "Print" is incorrectly displayed as "Copy" on
  the Print Volume Use Limitation screen (System Settings).

Version 3.00
Specification changed:
- The message displayed in WIM when the paper is loaded incorrectly
  was changed as follows:
  Before: "Reduce paper in the tray(s) to the limit mark and reset
        it correctly."
  After: "Reduce paper in the tray(s) to the limit mark or reset
        it correctly."

Other changes:
- Supports Web application API V1.01.

Version 2.00
Other changes:
A login screen is displayed at power ON that requires the Administrator or Supervisor
to set a password in cases where this password has not been set yet.

Version 1.00
1st mass production

```
=======================================================================
*** Basic Information ***
=======================================================================
[Create date] 2019/11/14
-----------------------------------------------------------------------
[Program Name] Network Support
-----------------------------------------------------------------------
[Version] 12.97
-----------------------------------------------------------------------
[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.] D1835544K
[File Information]
 File Name        D1835544K.fwu
 File Type        Module for Service
 Size             9.43 MB ( 9889744 byte )
[File Information]
 File Name        D1835544K.rfu
 File Type        Module for Remote Upgrade
 Size             9.44 MB ( 9896192 byte )
[Availability of RFU] Yes
-----------------------------------------------------------------------
[Production reflection]
-----------------------------------------------------------------------


=======================================================================
*** Note ***
=======================================================================
[Note]

-----------------------------------------------------------------------


=======================================================================
*** Important Notes ***
=======================================================================
[Important Notes]

-----------------------------------------------------------------------


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

==
[Modifications made:]
Rank C

Symptom corrected:

A vulnerability (CVE-2019-1559) to a Padding Oracle Attack on CBC
encryption has been fixed.
To activate this fix, CBC mode must be disabled after updating the firmware.
msh> set cbc down
msh> logout
Enter "yes" to save the changes.

[Modification history]

Version 12.95
Rank C

Symptom corrected:
- When conducting Scan to Folder using SMBv2/v3, if the device
  receives UDP communication from the outside to the port used by
  SMBv2/v3, Scan to Folder might fail.

Version 12.94.1
Rank C

Symptom corrected:
- When the device is set to use "IEEE 802.1X" and "TLS1.2" is set
  to "active", authentication will fail.
- 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.
- SMB client timeout configuration is not correctly applied in the device.
- SC899 occurs when conducting Scan to Folder, and the device might
  automatically restart.
- When conducting Scan to Folder, if a host name is resolved to
  multiple IP addresses by NBNS, the device tries to connect to only
  the first resolved IP address.
- When a HP device is working on the same subnet, Scan to Folder
  will fail.
- Network browsing sometimes fails when conducting Scan to Folder.
- SC819 might occur after ARFU or RFU.
- The device might freeze during data transmission when conducting
  Scan to Folder with SMBv2/v3.
- When conducting Scan to Folder in a high-load network environment,
  the device's status gets stuck on sending and the scanner becomes unusable.

Version 12.93
Symptom corrected:
- On a device with SMBv2/v3 firmware, when sending a scanned or fax
  document using the Hotfolder plug-in for GlobalScan or StreamlineNX,

an "incorrect" document may be sent to the destination and may be
lost the original document.

Version 12.92.1
Other changes:
- Newly added SMBv2/v3 support.
This firmware is dependent on the following firmware modules.
Please be sure to update all of them:

System/Copy v1.16 (D1835530M)
Network Support v12.92.1 (D1835544F)
Web Support v2.03 (D1835539C)
Scanner v02.08 (D1835704J)
Animation v5.00 (D1835541D)

Please refer to the RTB(No.RGene095) for details.

Version 12.91
Other changes:
- 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.

Version 12.90
 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.

Version 12.89
 Symptom corrected:
1. When conducting IPP printing on Mac OS X 10.9, the document might
   not print.
2. When running the port scan tool via the IPP port (TCP 631), an
   SC899 error might occur.
3. When the device repeatedly goes in and out of Energy Saver Mode
   while the legacy Browser application is running on the operation
   panel, an SC899 error might occur.
4. When transitioning to multiple webpages in the Web Browser
   application on the operation panel, a connection error might
   occur and then the application might not be accessible for a
   certain period.

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.

Version 12.86
 Symptom corrected:
1. When resuming from an Energy Saver mode, functions that use HTTP,
   including Web Image Monitor, might not be usable and the device
   might not be operable.
2. When SP5-985-001 is set to "0" (disabled) and SP5-985-002 is set
   to "1" (enabled), an SC997 error might occur if repeatedly
   switching between the home screen and the system settings screen.

Version 12.85
Symptom corrected:
1. Smart Operation panel supports IPv6.
2. The API for web applications might not work after updating the
   firmware.

Other changes:
- Supported APIs for web applications.

==
*** Basic Information ***
==
[Create date] 2018/08/20

[Program Name] Scanner

[Version] 02.11

[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.] D1835704M
[File Information]
 File Name   D1835704M.fwu
 File Type   Module for Service
 Size   1.94 MB (2031980 byte)
[File Information]
 File Name   D1835704M.rfu
 File Type   Module for Remote Upgrade
 Size   1.95 MB (2040064 byte)
[Availability of RFU] Yes

[Production reflection] 2018/08

==
*** Note ***
==
[Note]

==
*** Important Notes ***
==
[Important Notes]

```
================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank C

Symptom corrected:
- If user authentication is enabled, the address book cannot be updated
  from Web Image Monitor when the device is in energy-saving mode.
- When a user executes a job in a SmartSDK application after using
  the Quick Scanner application, the home screen is displayed.
- When scanning by using the Smart Device Connector, if the cancel
  button is pressed while scanned data is being transferred, the device's
  scanner applications might not be able to be used.



--------------------------------------------------------------
[Modification history]
-----------------------------------------
Version 02.10
Rank C

Symptom corrected:
- If the log capture function is enabled when scanning with the
  SmartSDK application, cancelling the scan job while the preview is
  displayed might cause the information of the captured image file
  to be recorded incorrectly.



-----------------------------------------
Version 02.09
Rank C

Symptom corrected:
- When a machine administrator logs in to the device,
  the "Scanner Features" screen might suffer from low brightness and be unresponsive.


-----------------------------------------
Version 02.08
Other changes:
- Newly added SMBv2/v3 support.
This firmware is dependent on the following firmware modules.
Please be sure to update all of them:

System/Copy v1.16 (D1835530M)
Network Support v12.92.1 (D1835544F)
Web Support v2.03 (D1835539C)
Scanner v02.08 (D1835704J)
Animation  v5.00 (D1835541D)

Please refer to the RTB(No.RGene095) for details.
```

Version 02.07
Symptom corrected:
1. When opening a program after Simple Screen has been applied on
   the home screen, the program settings are not retrieved.
2. Max. Email Size for scanner send settings cannot be configure via DMNX.
3. A user name that has been set to not be used as a "Destination"
   appears in Quick Scanner.
4. A user name that has been set to be used as a "Destination" in
   Ridoc IO Device Manager Lite does not appear in Quick Scanner.
5. When scanning with "Hungarian" or "Polish" selected under
   "Cognitive Language" in "OCR Settings", if the value of a Unicode
   character exceeds 256, then the character will be converted to a
   question mark ("?").

Version 02.06
Symptom corrected:
1. When Simplified Chinese is selected in the "Insert Additional
   Email Info" setting in Send Settings, text in an email sent by
   using Scan to URL is garbled.
2. When the "Start Scanning" button is pressed in the Scan to Me
   application, scanning is not performed.

Version 02.05
Other changes:
- Supported RICOH SmartSDK v1.04.

Version 02.04
 Symptom corrected:
- When resuming from Energy Saver Mode, if an application icon other
  than the one for scanner is pressed on the operation panel, the
  scanner might be called.

Version 02.03
Specification Change:
1. Supported RICOH SmartSDK v1.02.

Symptom corrected:
1. The following problems were fixed in applications that use the
   Ricoh SmartSDK API.
   - When scanned documents are sent to the Document Server of the
     MFP, the filename cannot be blank.
   - When the same destination is set multiple times, the total
     number of destinations are counted.
   - After Scan To Me is performed, the SmartSDK scan function or

legacy applications that use the scan function might fail.
- When the sending of a scan is cancelled, the cancellation is
  not recorded in the job log.
- When the countdown for "Wait Time for Next Originals" is
  displayed, the color mode in Scan Settings cannot be changed.
- When manually entering a destination to send a scanned
  document, the destination history appears in the "Recent
  Destination" section of the legacy applications that use the
  scan function.

Version 02.02
Other changes:
- Supported APIs for web applications v1.01.

Version 02.01
 Symptom corrected:
- Minor bug correction

Version 02.00
 Symptom corrected:
- When "OCR Settings" is set to "On", if the keywords in a PDF file
  are scanned by selecting a language other than "Japanese" in
  the "Cognitive Language" setting, the position of the search
  results might be incorrect.

This firmware is dependent on System/Copy firmware v1.06 or later,
so please be sure to update it.

Version 01.01_ch
1st mass production

```
========================================================================
*** Basic Information ***
========================================================================
[Create date] 2018/10/26
------------------------------------------------------------------------
[Program Name] Scanner
------------------------------------------------------------------------
[Version] 03.04
------------------------------------------------------------------------
[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.] D7575704J
[File Information]
 File Name       D7575704J.fwu
 File Type       Module for Service
 Size            1.94 MB ( 2033172 byte )
[File Information]
 File Name       D7575704J.rfu
 File Type       Module for Remote Upgrade
 Size            1.95 MB ( 2040064 byte )
[Availability of RFU] Yes
------------------------------------------------------------------------
[Production reflection] 2018/10
------------------------------------------------------------------------


========================================================================
*** Note ***
========================================================================
[Note]

------------------------------------------------------------------------


========================================================================
*** Important Notes ***
========================================================================
[Important Notes]

------------------------------------------------------------------------


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

===
[Modifications made:]
Rank C

Symptom corrected:
- When Simplified Chinese is selected in the "Insert Additional
  Email Info" setting in Send Settings, text in an email sent by
  using Scan to URL is garbled.
- When opening a program after Simple Screen has been applied on the
  home screen, the program settings are not retrieved.

[Modification history]

Version 03.03
Rank C

Symptom corrected:
- If the log capture function is enabled when scanning with the
  SmartSDK application, cancelling the scan job while the preview is
  displayed might cause the information of the captured image file
  to be recorded incorrectly.

Version 03.02
Rank C
Symptom corrected:
- When a machine administrator logs in to the device,
  the "Scanner Features" screen might suffer from low brightness and be unresponsive.

Version 03.01
Other changes:
- Newly added SMBv2/v3 support.
This firmware is dependent on the following firmware modules.
Please be sure to update all of them:

System/Copy v1.16 (D1825530P)
Network Support v12.76.1 (D1825544J)
Web Support v1.02 (D1825539E)
Scanner v03.01 (D7575704F)
OpePanel
- General model: v1.09 (D1821490H)
- Koria model: v1.06 (D1821491E)

Please refer to the RTB(No.RGene095) for details.

Version 03.00
Symptom corrected:
1. When using a TWAIN driver in certain software applications, such
   as Pneumologis, an SC899 error occurs.
2. If user authentication is enabled, the address book cannot be
   updated from Web Image Monitor when the device is in energy-

saving mode.
3. When a user executes a job in a SmartSDK application after using
   the Quick Scanner application, the home screen is displayed.

Others:
- When scanning with "Hungarian" or "Polish" selected under
  "Cognitive Language" in "OCR Settings", if the value of a Unicode
  character exceeds 256, then the character will be converted to a
  question mark ("?").

Version 01.03
 Symptom corrected:
- When resuming from Energy Saver Mode, if an application icon other
  than the one for scanner is pressed on the operation panel, the
  scanner might be called.

Version 01.02
Symptom corrected:
1. When the following settings are configured in Scan Settings, if
   vertical text in a PDF file is copied and pasted into an
   application, characters are randomly broken onto new lines:
   - "OCR Settings" is set to "On".
   - "Cognitive Language" is set to "Japanese".

Version 01.01
 Symptom corrected:
- When "OCR Settings" is set to "On", if the keywords in a PDF file
  are scanned by selecting a language other than "Japanese" in
  the "Cognitive Language" setting, the position of the search
  results might be incorrect.

This firmware is dependent on System/Copy firmware v1.06 or later,
so please be sure to update it.

Version 01.00
1st Mass production

<<Package>>
package_ALL [ORVC2a_pk]
 D1825506G Ver. 6.00 -> D1825506H Ver. 7.00

<<Separate>>
System/Copy [ORVC2a_system]
 D1825530P Ver. 1.16 -> D1825530Q Ver. 1.17

Network Support [ORVC2a_net]
 D1825544J Ver. 12.76.1 -> D1825544M Ver. 12.79

Scanner [ORVC2a_scn]
 D7575704F Ver. 03.01 -> D7575704H Ver. 03.02

Printer [ORVC2d_printer]
 D7575700H Ver. 1.14 -> D7575700J Ver. 1.15

Printer [ORVC2e_printer]
 D7575701H Ver. 1.14 -> D7575701J Ver. 1.15

Option R55 [ORVC2d_prt_R55]
 D7575720A Ver. 6.31

Option GL/GL2 [ORVC2d_prt_RPGL]
 D7575725A Ver. 7.9.5 -> D7575725B Ver. 7.9.6

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2018/07/12
----------------------------------------------------------------
[Program Name] PowerSaving Sys
----------------------------------------------------------------
[Version] F.19
----------------------------------------------------------------
[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.] D1825568C
[File Information]
 File Name        D1825568C.fwu
 File Type        Module for Service
 Size          4.00 MB ( 4194832 byte )
[File Information]
 File Name        D1825568C.rfu
 File Type        Module for Remote Upgrade
 Size          4.01 MB ( 4202752 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2018/04
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

----------------------------------------------------------------


================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------
```

```
================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank C

Trouble shooting for SC819.


------------------------------------------------------------------------
[Modification history]
----------------------------------------
Version F.18
 Symptoms corrected:
- Machine cannot recover from Energy Saver mode.


----------------------------------------
Version F.17
 Symptom Corrected
- SC672-11(Controller start up error) occurs when the machine is
  prompted to recover from Energy Saver mode.


----------------------------------------
Version F.16
1st Mass production
```

<<Package>>
package_ALL [ORVC2CHa_pk]
 D1835506H Ver. 7.00 -> D1835506J Ver. 8.00

<<Separate>>
System/Copy [ORVC2a_system]
 D1835530M Ver. 1.16 -> D1835530N Ver. 1.17

Network Support [ORVC2a_net]
 D1835544F Ver. 12.92.1 -> D1835544J Ver. 12.95

PowerSaving Sys [ORVC2a_subcpu]
 D1825568B Ver. F.18 -> D1825568C Ver. F.19

Scanner [ORVC2a_scn]
 D1835704J Ver. 02.08 -> D1835704L Ver. 02.10

Printer [ORVC2e_printer]
 D1835701G Ver. 1.13 -> D1835701H Ver. 1.14

```
==============================================================================
*** Basic Information ***
==============================================================================
[Create date] 2019/03/07
------------------------------------------------------------------------
[Program Name] Fax
------------------------------------------------------------------------
[Version] 08.00.00
------------------------------------------------------------------------
[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.] D1825535H
[File Information]
 File Name       D1825535H.fwu
 File Type       Module for Service
 Size          2.28 MB ( 2386364 byte )
[File Information]
 File Name       D1825535H.rfu
 File Type       Module for Remote Upgrade
 Size          2.28 MB ( 2392320 byte )
[Availability of RFU] Yes
------------------------------------------------------------------------
[Production reflection] 2018/10
------------------------------------------------------------------------


==============================================================================
*** Note ***
==============================================================================
[Note]

------------------------------------------------------------------------


==============================================================================
*** Important Notes ***
==============================================================================
[Important Notes]

------------------------------------------------------------------------


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

===
[Modifications made:]
Rank C

Symptom corrected:
- If logged in with user authentication, FAX settings for Auto
  Print FAX Journal (SWUSR_03, bit7) and setting whether or not to
  include sender name in reports (SWUSR_04, bit5) may change after
  logging out.
- SC899 may occur when logging out from a machine with the user
  authentication enabled.
- Fax application may stall when recovering from energy saving mode.
- SC899 might occur if there are multiple FAX alerts.

[Modification history]

Version 07.00.00
Rank C

Symptom corrected:
- The fax function might not work if the machine isn't turned off
  for over 300 days after disabling energy saving mode.

Version 06.00.00
 Symptom corrected:
- When Simplified Chinese characters are included in the additional
  email information, username, password, a destination folder name,
  or a filename for SMB/NCP, the connection is unsuccessful, the
  data transmission fails, or the body of the email contains garbled
  text.
- The FAX stalls when a waiting error (e.g. Paper End) and reading
  error (e.g. paper jam) occur at the same time.
- The FAX may stall when automatic detection is enabled.
- A stored reception job may not be executed while the machine
  switches to Night mode.
- A system warning is not displayed when an error occurs while
  scanning an original through the ADF for a FAX job.
- SC899 may occur.
- The Address Book may not be opened, and Quick FAX may not start up.
- The sender name may be printed even when the printing of the
  sender name is disabled.

Version 05.00.00
 Symptom Corrected:
1. [Simplified display only]: Icons on the Home Screen created by t
   he user to link with specific programs do not call (link with)
   those programs correctly.
2. SC899 may occur.
3. The machine may freeze (which can only be cleared by power
   OFF/ON) if a FAX is received while performing a Copy job that
   will require at least 5 minutes to complete set for duplex, multi-

page, and stapling.
4. The LCD stalls when a Document Server document is deleted.

Version 04.00.00
 Symptom corrected:
The FAX may stall if the user tries to delete 252 or more
Broadcasting addresses at once.

Version 03.00.00
Symptom corrected:
The following error message may appear when the operator sends a FAX:
"An error has occurred. Canceling transmission job...".

Version 02.00.00
Symptom corrected:
SC899 may occur when the machine recovers from Energy Saver mode.
 Note: The "fcs" code appears on the SMC (SP7990-001: SC Detailed Info).

Version 01.01.00
1st Mass production

```
==================================================================
*** Basic Information ***
==================================================================
[Create date] 2019/12/17
------------------------------------------------------------------
[Program Name] Fax
------------------------------------------------------------------
[Version] 12.00.00
------------------------------------------------------------------
[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.] D1835535J
[File Information]
 File Name       D1835535J.fwu
 File Type       Module for Service
 Size            2.28 MB ( 2385828 byte )
[File Information]
 File Name       D1835535J.rfu
 File Type       Module for Remote Upgrade
 Size            2.28 MB ( 2392320 byte )
[Availability of RFU] Yes
------------------------------------------------------------------
[Production reflection] 2018/10
------------------------------------------------------------------


==================================================================
*** Note ***
==================================================================
[Note]

------------------------------------------------------------------


==================================================================
*** Important Notes ***
==================================================================
[Important Notes]

------------------------------------------------------------------


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

```
===============================================================================
```
[Modifications made:]
Rank C

Symptom corrected:
- If logged in with user authentication, FAX settings for Auto Print
  FAX Journal (SWUSR_03, bit7) and setting whether or not to include
  sender name in reports (SWUSR_04, bit5) may change after logging out.
- SC899 may occur when logging out from a machine with the user
  authentication enabled.
- The sender name may be printed even when the printing of the
  sender name is disabled.
- Fax application may stall when recovering from energy saving mode.
- SC899 might occur if there are multiple FAX alerts.


```
-------------------------------------------------------------------------
```
[Modification history]
```
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```
Version 11.00.00
Rank C

Symptom corrected:
- The fax function might not work if the machine isn't turned off
  for over 300 days after disabling energy saving mode.


```
------------------------------------------
```
Version 10.00.00
Symptom corrected:
1. The Address Book cannot be opened, and Quick FAX does not start up.
2. Bug with notices for stored reception files.


```
------------------------------------------
```
Version 09.00.00
 Symptom Corrected:
1. A system warning is not displayed when an error occurs while
   scanning an original through the ADF for a FAX job.
2. SC899 may occur.


```
------------------------------------------
```
Version 08.00.00
 Symptom corrected:
1. SC899 may occur on the main machine if a Remote FAX is sent from
   the sub machine.
2. The machine may freeze (which can only be cleared by power
   OFF/ON) if a FAX is received while performing a Copy job that
   will require at least 5 minutes to complete set for duplex, multi-
   page, and stapling.

 Specification Change:
1. Supported RICOH SmartSDK v1.02.


```
------------------------------------------
```

Version 07.00.00
 Symptom Corrected:
[Simplified display only]: Icons on the Home Screen created by the
user to link with specific programs do not call (link with) those
programs correctly.

Version 06.00.00
 Symptom corrected:
1. The LCD stalls when a Document Server document is deleted.
2. No further operations are possible when the user presses the Stop
   key (a message is displayed telling the user that the Stop key
   has been pressed and the job is being cancelled).
3. The Preview screen is not displayed if the specify file path
   input method is used with Smart SDK.

Version 05.00.00
 Symptom corrected:
The FAX may stall if the user tries to delete 252 or more
Broadcasting addresses at once.

Version 04.00.00
 Symptom corrected:
- The following error message may appear when the operator sends a
  FAX: "An error has occurred. Cancelling transmission job...".

Version 03.00.00
1st mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2018/08/20
----------------------------------------------------------------
[Program Name] Web Uapl
----------------------------------------------------------------
[Version] 2.02
----------------------------------------------------------------
[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.] D1835540B
[File Information]
 File Name       D1835540B.fwu
 File Type       Module for Service
 Size            1.67 MB ( 1750252 byte )
[File Information]
 File Name       D1835540B.rfu
 File Type       Module for Remote Upgrade
 Size            1.68 MB ( 1757440 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2018/08
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

----------------------------------------------------------------


================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------
```

```
================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank C

Symptom corrected:
- When rebooting the device after the firmware has been updated,
  an application that is used for displaying, printing, deleting, or
  receiving a document on the Document Server might be unresponsive.



--------------------------------------------------------------------------
[Modification history]
-----------------------------------------
Version 2.01
Symptom corrected:
- Although the fax function is installed in the device, "Fax
  Received File" might not be displayed in the "Print Job/Stored
  File" menu in Web Image Monitor.



-----------------------------------------
Version 2.00
1st mass production
```