```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/05/07
----------------------------------------------------------------
[Program Name] Engine
----------------------------------------------------------------
[Version] 2.02:02
----------------------------------------------------------------
[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.] D2705404L
[File Information]
 File Name        D2705404L.fwu
 File Type        Module for Service
 Size         7.94 MB ( 8323572 byte )
[File Information]
 File Name        D2705404L.rfu
 File Type        Module for Remote Upgrade
 Size         7.95 MB ( 8331520 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2019/5
----------------------------------------------------------------


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

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


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

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


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

==
[Modifications made:]
Rank C

Supported:
- The waste toner transport motor does not activate even when the
  machine internal temperature reaches the temperature that triggers
  motor activation.
- SP3-820-001 (Tnr Refresh Mode Img Area Thresh:K) value can be
  obtained via @Remote.

Symptom corrected:
- SC301-00 (Charge corona wire voltage error 2) is not detected.
- The following symptoms may occur when printed from LCIT connected
  in tandem:
   - Printing stops with the operation panel displaying the message 'Printing'.
   - Jam26

[Modification history]

Version 2.01:02
Rank C

Other changes:
The default values to trigger 'Clear blurred image' operation were changed as follows:
- SP2-810-003: 27 to 32
- SP2-810-009: 25 to 32

Version 2.00:02
Rank C

Symptom corrected:
- The machine may stall, if a booklet stapling job is run from the
  Fiery controller using sheets fed only from the cover interposer trays.
- SC990 occurs, if the last portion of a duplex job run with the
  interleaving function contains only pages printed on the back side.

Version 1.26:02
Symptom corrected:
- Machine may stall when running jobs using Booklet Finisher SR5060 ver3.00 or newer.

Other changes:
- The system was modified not to issue SC558 (Thermistor disconnect error)
  because the unneeded function to detect high temperature with the thermistor was eliminated.

Version 1.25:02
Symptom corrected:
- When a pause is generated during a duplex interleaving process,
  the engine may run idle and not recover.
- SC670 may occur when running staple jobs and shift tray operation continuously.
- The machine may pause when running staple jobs and shift tray operation.
- When a jam occurs, the operation panel remains

displaying "printing" instead of the jam alert.

Version 1.24:02
Symptom Corrected:
The following symptoms may be observed after a jam in the DF:
- SC687
- SC670
- Output of a blank page

Version 1.23:02
Specification Change
- Jam53 occurs when feeding A4 SEF from Tray1.

Error Correction
- If a jam occurs and the machine enters sleep mode and wakes up
  before the jam is cleared, the machine stalls.
- If the machine stops suddenly (for instance due to a fusing temp trouble),
  it continues to run idle or displays 670.

Version 1.22:02
Specification Change:
After completing a job, the OPC drum makes a slight rotation to
prevent blurred images caused by ozone accumulation on the drum.
However, this rotation of the drum was found to stop when the door
is opened/closed.
The spec was changed to enable the drum rotation to continue by closing the door.

Error Correction:
SC990 may occur in duplex jobs.

Version 1.21:02
Specification Change:
To prevent SC400, the default value of job end process control
setting was changed.

Error Correction:
- If the main power is turned OFF and then ON with the Cover
  Interposer Tray or the Perfect Binder inserter cover open,
  the operation panel may not display the "cover open" message.
  If attempted to run a job in this state, the system stalls.
- If attempted to resume printing after a pause by pressing the
  Emergency Shift Tray Stop switch, the operation panel
  displays "Printing" but printing does not resume.
- The machine may stall after purging jammed sheets.
- If a jam occurs while switching the feed tray in a mixed media
  job, jam alert does not appear on the operation panel and printing
  stops with the panel displaying "printing."
- In rare occasions, printing cannot start because initialization of
  the Vacuum Feed LCIT RT5100 does not complete when the power is

turned ON.
- In rare occasions, if Jam432(1st Transport Sensor late jam of the
  Vacuum Feed LCIT RT5100) occurs, printing does not resume even
  after clearing the jam.

Version 1.20:02
1st Mass production

```
===============================================================
*** Basic Information ***
===============================================================
[Create date] 2017/09/28
---------------------------------------------------------------
[Program Name] MediaLibCHa AB
---------------------------------------------------------------
[Version] 4
---------------------------------------------------------------
[PCB No.] -
---------------------------------------------------------------
[Interchangeability] X / O
---------------------------------------------------------------
[Other Firmware Requirements] None
---------------------------------------------------------------
[PCB Requirements] None
---------------------------------------------------------------
[Software category] Normal Release
---------------------------------------------------------------
[Release category] Normal Release
---------------------------------------------------------------
[Program category] Others
---------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D2705539_R4
[File Information]
 File Name        D2705539_R4.mqp
 File Type        Module for Service
 Size          0.06 MB ( 59544 byte )
 Check Sum -8Bit Sum: 5B68
        -16Bit Sum(Little Endian): 3447
        -16Bit Sum(Big Endian): 8F21
[Availability of RFU] No
---------------------------------------------------------------
[Production reflection]
---------------------------------------------------------------


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

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



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

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

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

[Modifications made:]
[R4]
- Since paper weight must be set to "1" for translucent media
  regardless of the basis weight, the weight of the following media
  was changed from "4" to "1": RE0196

[R3]
- 25 new rank A and 2 new rank B media were added to the media libraly under ST2 type.

[R2]
- Display of paper names on the operation panel was changed back to
  simplified Chinese from Pinyin (alphabet), because the character
  corruption issue that used to occur with simplified Chinese was resolved.


```
--------------------------------------------------------------------------
```
[Modification history]
```
----------------------------------------
```
Version 1
1st Release

==
*** Basic Information ***
==
[Create date] 2017/09/28

[Program Name] MediaLibCHb AB

[Version] 4

[PCB No.] -

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Others

Exported to(language) GEN(all)
[Firmware No.] D2705540_R4
[File Information]
 File Name   D2705540_R4.mqp
 File Type   Module for Service
 Size   0.06 MB (59544 byte)
 Check Sum -8Bit Sum: 5F1F
         -16Bit Sum(Little Endian): 37FE
         -16Bit Sum(Big Endian): 4621
[Availability of RFU] No

[Production reflection]

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

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

```
================================================================
```
*** Modification History ***
```
================================================================
```
[Modifications made:]
[R4]
- Since paper weight must be set to "1" for translucent media
  regardless of the basis weight, the weight of the following media
  was changed from "4" to "1": RE0196

[R3]
- 25 new rank A and 2 new rank B media were added to the media libraly under ST2 type.

[R2]
- Display of paper names on the operation panel was changed back to
  simplified Chinese from Pinyin (alphabet), because the character
  corruption issue that used to occur with simplified Chinese was resolved.


```
---------------------------------------------------------------------------
```
[Modification history]
```
-----------------------------------------
```
Version 1
1st Release

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2017/09/28
----------------------------------------------------------------
[Program Name] MediaLibCHc AB
----------------------------------------------------------------
[Version] 4
----------------------------------------------------------------
[PCB No.] -
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Others
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D2705541_R4
[File Information]
 File Name        D2705541_R4.mqp
 File Type        Module for Service
 Size          0.06 MB ( 59544 byte )
 Check Sum -8Bit Sum: 6215
        -16Bit Sum(Little Endian): 3AF4
        -16Bit Sum(Big Endian): 3C21
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection]
----------------------------------------------------------------


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

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



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

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

```
================================================================================
```
*** Modification History ***
```
================================================================================
```
[Modifications made:]
[R4]
- Since paper weight must be set to "1" for translucent media
  regardless of the basis weight, the weight of the following media
  was changed from "4" to "1": RE0196

[R3]
- 25 new rank A and 2 new rank B media were added to the media libraly under ST2 type.

[R2]
- Display of paper names on the operation panel was changed back to
  simplified Chinese from Pinyin (alphabet), because the character
  corruption issue that used to occur with simplified Chinese was resolved.


```
---------------------------------------------------------------------------
```
[Modification history]
```
----------------------------------------
```
Version 1
1st Release

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2017/09/29
----------------------------------------------------------------
[Program Name] MediaLibCHb AB
----------------------------------------------------------------
[Version] 4
----------------------------------------------------------------
[PCB No.] -
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Others
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D2705554_R4
[File Information]
 File Name        D2705554_R4.mqp
 File Type        Module for Service
 Size          0.06 MB ( 59544 byte )
 Check Sum -8Bit Sum: 999C
         -16Bit Sum(Little Endian): 9F39
         -16Bit Sum(Big Endian): 9663
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection]
----------------------------------------------------------------


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

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



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

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

```
================================================================================
*** Modification History ***
================================================================================
[Modifications made:]
[R4]
- Since paper weight must be set to "1" for translucent media
  regardless of the basis weight, the weight of the following media
  was changed from "4" to "1": RE0196

[R3]
- 25 new rank A and 2 new rank B media were added to the media libraly under ST2 type.

[R2]
- Display of paper names on the operation panel was changed back to
  simplified Chinese from Pinyin (alphabet), because the character
  corruption issue that used to occur with simplified Chinese was resolved.


----------------------------------------------------------------------------
[Modification history]
----------------------------------------
Version 1
1st Release
```

```
================================================================================
*** Basic Information ***
================================================================================
[Create date] 2017/09/29
--------------------------------------------------------------------
[Program Name] MediaLibCHc AB
--------------------------------------------------------------------
[Version] 4
--------------------------------------------------------------------
[PCB No.] -
--------------------------------------------------------------------
[Interchangeability] X / O
--------------------------------------------------------------------
[Other Firmware Requirements] None
--------------------------------------------------------------------
[PCB Requirements] None
--------------------------------------------------------------------
[Software category] Normal Release
--------------------------------------------------------------------
[Release category] Normal Release
--------------------------------------------------------------------
[Program category] Others
--------------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D2705555_R4
[File Information]
 File Name        D2705555_R4.mqp
 File Type        Module for Service
 Size            0.06 MB ( 59544 byte )
 Check Sum -8Bit Sum: 9C92
         -16Bit Sum(Little Endian): A22F
         -16Bit Sum(Big Endian): 8C63
[Availability of RFU] No
--------------------------------------------------------------------
[Production reflection]
--------------------------------------------------------------------


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

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



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

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



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

[Modifications made:]
[R4]
- Since paper weight must be set to "1" for translucent media
  regardless of the basis weight, the weight of the following media
  was changed from "4" to "1": RE0196

[R3]
- 25 new rank A and 2 new rank B media were added to the media libraly under ST2 type.

[R2]
- Display of paper names on the operation panel was changed back to
  simplified Chinese from Pinyin (alphabet), because the character
  corruption issue that used to occur with simplified Chinese was resolved.

[Modification history]

Version 1
1st Release

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2018/07/11
----------------------------------------------------------------
[Program Name] System/Copy
----------------------------------------------------------------
[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.] D2705750L
[File Information]
 File Name       D2705750L.fwu
 File Type       Module for Service
 Size            21.00 MB ( 22015196 byte )
[File Information]
 File Name       D2705750L.rfu
 File Type       Module for Remote Upgrade
 Size            21.00 MB ( 22020352 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 2018/06
----------------------------------------------------------------


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

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


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

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

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

Symptom corrected:
- Printing does not resume even if the staples are refilled after they run out.
- Condition data obtained from the printer engine is falsely saved as engine logs.

Other changes:
- F4a (8.5"x13.5") was added as a standard paper size.
- Constraint between single-punch with GBC Stream Punch and booklets
  other than saddle-stitch with Booklet Finisher was removed.
- Condition data obtained via @Remote was combined and reduced of
  the size for faster processing.

[Modification history]

Version 1.09
Rank C

Symptom corrected:
- Pressing the Fiery button on the operation panel after powering on
  the machine does not display the "Please Wait" screen.
- It takes time to login after authenticating the card.
- User does not receive the stacker tray full alert email even if
  the option is set to "Notify" in Web Image Monitor >
  Auto Email Notification > Output Tray Full.

Version 1.08
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 v1.08 (D2705750H)
Network Support v12.78.1 (D2705758B)
Web Support v1.06 (D2705754F)
Scanner v01.01 (D2705753A)
OpePanel
- General model: v1.05 (D2705790D)
- Koria model: v1.03 (D2705791B)

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

Version 1.07

Symptom Corrected:
- The jam removal animation was made more noticeable for better user-friendliness.
- Upgrade of the package firmware fails and results in Error 61.
- An abnormal images may appear in a saddle-stitched PostScript magazine job,
  if the booklet contains a blank page.

Version 1.06
Specification Change:
- The term "NCR Paper" was changed to "Carbonless Paper".

Version 1.05
Specification Change
- Support of Korean language.
- Enabled access to printer IMSS MIB from TotalFlow Pre/Print Manager.
- Added the below SP to enable/disable the "Screen Monitoring" function.
  SP5-885-205: default = 0 (enabled)

NOTE: This firmware is dependent on Web Support firmware v1.04 (D2705754D) or later,
so please be sure to update that firmware as well.

Error Correction
- If the Cover Interposer runs out of paper during the job, the job
  is falsely cancelled and the job does not resume even after
  reloading the tray with paper.
- Remaining printing time displayed is incorrect (ex. 999min) when
  printed from the Document Server.
- If an original jams in the sample copy of a stapled job, the first
  set is not printed out.
- If the Cover Interposer runs out of paper during the job and the
  tray is reloaded with paper but the paper size is not detected
  correctly due to poor set, the machine stalls when switching to
  the succeeding job.

Version 1.04
Specification Change:
To prevent SC400, the default value of job end process control setting was changed.

Error Correction:
- SC991/SC899 may occur or the machine may stall while using
  applications on @Remote connected machines.
- SC819 occurs, if "Auto-Logout Time" and "Energy Save Time" are set
  to the same time and the machine is left unused for that specified time.
- After entering the user code to start up the Copy application, the
  user code input screen does not disappear.
- If a jam occurs on the first page of a job on a machine set with
  user code authentication and then, the start button and log-out
  button are pressed together, the start button becomes ineffective.

Version 1.03
Symptoms corrected:
- The operation panel freezes, if searched for a custom paper that
  contains 2 byte character in its name.

Version 1.02
1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2018/07/11
----------------------------------------------------------------
[Program Name] Web Support
----------------------------------------------------------------
[Version] 1.08
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D2705754H
[File Information]
 File Name       D2705754H.fwu
 File Type       Module for Service
 Size         6.51 MB ( 6824464 byte )
[File Information]
 File Name       D2705754H.rfu
 File Type       Module for Remote Upgrade
 Size         6.52 MB ( 6832384 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2018/06
----------------------------------------------------------------


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

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


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

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

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

Other changes:
- F4a (8.5"x13.5") was added as a standard paper size.


--------------------------------------------------------------
[Modification history]
-----------------------------------------
Version 1.06
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 v1.08 (D2705750H)
Network Support v12.78.1 (D2705758B)
Web Support v1.06 (D2705754F)
Scanner v01.01 (D2705753A)
OpePanel
- General model: v1.05 (D2705790D)
- Koria model: v1.03 (D2705791B)

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


-----------------------------------------
Version 1.05
Other Changes:
- Changed the name of "NCR Paper" to "Carbonless Paper"


-----------------------------------------
Version 1.04
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 v1.05 (D2705750E) or later,
so please be sure to update that firmware as well.


-----------------------------------------
Version 1.03
Symptom corrected:
When the following PM parts need to be replaced, a warning message
is not displayed in Web Image Monitor:
- Paper Transfer Bias Roller
- Dust Filter (Exhaust Duct 1)
```

- Dust Filter (Exhaust Duct 2)

Version 1.02
 Symptom corrected:
When Vacuum Feed LCIT RT5100 is installed and Large Capacity Tray
RT5080 is not installed, if the home page of Web Image Monitor is
navigated to after assigning the user-defined paper that was
previously set in some trays, an "HTTP 500" error occurs.

Version 1.01
1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2018/07/13
----------------------------------------------------------------
[Program Name] Printer
----------------------------------------------------------------
[Version] 1.07
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D2705770F
[File Information]
 File Name        D2705770F.fwu
 File Type        Module for Service
 Size         3.83 MB ( 4011888 byte )
[File Information]
 File Name        D2705770F.rfu
 File Type        Module for Remote Upgrade
 Size         3.83 MB ( 4018432 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2018/06
----------------------------------------------------------------


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

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


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

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

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

Symptom corrected:
- It might take time to resume a job if it is suspended while the
  device is in Energy Saver mode.

Other changes:
- Constraint between single-punch with GBC Stream Punch and booklets
  other than saddle-stitch with Booklet Finisher was removed.
- F4a (8.5"x13.5") was added as a standard paper size.


```
--------------------------------------------------------------------------
```
[Modification history]
```
-----------------------------------------
```
Version 1.06
Rank C

Symptom corrected:
- 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.

```
-----------------------------------------
```
Version 1.05
Rank C

Symptom corrected:
- IPDS printing might stall if IPDS jobs are printed continuously.


```
-----------------------------------------
```
Version 1.04
Other Changes:
Changed the name of "NCR Paper" to "Carbonless Paper".


```
-----------------------------------------
```
Version 1.03
Symptom corrected:
1. The configuration for IPDS banner printing might fail to be applied.
2. After an SC reboot occurs, if the dialog window stating that the
   automatic reboot has occurred is not closed, SDK-J applications
   cannot be started, which results in an SC990 error occurring.


```
-----------------------------------------
```
Version 1.02
1st Mass production

```
================================================================================
*** Basic Information ***
================================================================================
[Create date] 2018/07/11
------------------------------------------------------------------------
[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) 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.] D2705790E
[File Information]
 File Name       D2705790E.fwu
 File Type       Module for Service
 Size            50.70 MB ( 53166212 byte )
[File Information]
 File Name       D2705790E.rfu
 File Type       Module for Remote Upgrade
 Size            50.71 MB ( 53174528 byte )
[Availability of RFU] No
------------------------------------------------------------------------
[Production reflection]
------------------------------------------------------------------------


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

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


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

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

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

Other changes:
- F4a (8.5"x13.5") was added as a standard paper size.


------------------------------------------------------------------------
[Modification history]
-----------------------------------------
Version 1.05
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 v1.08 (D2705750H)
Network Support v12.78.1 (D2705758B)
Web Support v1.06 (D2705754F)
Scanner v01.01 (D2705753A)
OpePanel
- General model: v1.05 (D2705790D)
- Koria model: v1.03 (D2705791B)

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


-----------------------------------------
Version 1.04
Specification Change:
- The term "NCR Paper" was changed to "Carbonless Paper".
- Touching the operation panel disables screen monitoring from WIM for three seconds.


-----------------------------------------
Version 1.03
1st Mass production
```

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2018/07/11
----------------------------------------------------------------
[Program Name] OpePanel
----------------------------------------------------------------
[Version] 1.04
----------------------------------------------------------------
[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) 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.] D2705791C
[File Information]
 File Name        D2705791C.fwu
 File Type        Module for Service
 Size             50.70 MB ( 53167724 byte )
[File Information]
 File Name        D2705791C.rfu
 File Type        Module for Remote Upgrade
 Size             50.71 MB ( 53174528 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection]
----------------------------------------------------------------


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

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


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

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

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

Other changes:
- F4a (8.5"x13.5") was added as a standard paper size.

[Modification history]

Version 1.03
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 v1.08 (D2705750H)
Network Support v12.78.1 (D2705758B)
Web Support v1.06 (D2705754F)
Scanner v01.01 (D2705753A)
OpePanel
- General model: v1.05 (D2705790D)
- Koria model: v1.03 (D2705791B)

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

Version 1.02
Specification Change:
- The term "NCR Paper" was changed to "Carbonless Paper".
- Touching the operation panel disables screen monitoring from WIM for three seconds.

Version 1.01
1st Release

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/05/07
----------------------------------------------------------------
[Program Name] System
----------------------------------------------------------------
[Version] 1.10
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] M0AA5780K
[File Information]
 File Name        M0AA5780K.fwu
 File Type        Module for Service
 Size             16.82 MB ( 17633208 byte )
[File Information]
 File Name        M0AA5780K.rfu
 File Type        Module for Remote Upgrade
 Size             16.82 MB ( 17637632 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2019/04
----------------------------------------------------------------


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

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


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

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


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

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

Other changes:
- Condition data obtained via @Remote was combined and reduced of
  the size for faster processing.

Specification Change:
- The waste toner transport motor does not activate even when the
  machine internal temperature reaches the temperature that triggers
  motor activation.

[Modification history]

Version 1.09
Rank C

Symptom corrected:
- Printing does not resume even if the staples are refilled after they run out.
- The default values to trigger 'Clear blurred image' operation were changed as follows:
    - SP2-810-003: 27 to 32
    - SP2-810-009: 25 to 32
- SC899 occurs when printed a duplex job that exceeds the max allowable pages.
- Printing from TotalFlow fails due to a network connection error.

Version 1.08
Rank C

Symptom corrected:
- User does not receive the stacker tray full alert email even if
  the option is set to "Notify" in Web Image Monitor > Auto Email Notification > Output Tray Full.
- Pressing the Fiery button on the operation panel after powering on
  the machine does not display the "Please Wait" screen.

Version 1.07
Specification Change:
- The jam removal animation was made more noticeable for better user-friendliness.

Symptom Corrected:
- Character corruption may occur for the paper size described on
  the "Print the Settings" printed from [Edit Custom Paper],
  if printed on custom paper size.
- Increased the print speed of mixplex jobs.

Version 1.06
Specification Change:
- The term "NCR Paper" was changed to "Carbonless Paper".

Version 1.05

Specification Change:
Enabled access to printer IMSS MIB from TotalFlow Pre/Print Manager.

Error Correction:
- If an original jams in the sample copy of a stapled job, the first
  set is not printed out.
- If the Cover Interposer runs out of paper during the job and the
  tray is reloaded with paper but the paper size is not detected
  correctly due to poor set, the machine stalls when switching to
  the succeeding job.

Version 1.04
Specification Change:
To prevent SC400, the default value of job end process control setting was changed.

Error Correction:
- SC991/SC899 may occur or the machine may stall while using
  applications on @Remote connected machines.
- SC819 occurs, if "Auto-Logout Time" and "Energy Save Time" are set
  to the same time and the machine is left unused for that specified time.

Version 1.03
Symptoms corrected:
- The operation panel freezes, if searched for a custom paper that
  contains 2 byte character in its name.

Version 1.02
1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/05/07
----------------------------------------------------------------
[Program Name] Engine
----------------------------------------------------------------
[Version] 2.02:02
----------------------------------------------------------------
[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.] M0AA5404L
[File Information]
 File Name        M0AA5404L.fwu
 File Type        Module for Service
 Size            7.94 MB ( 8323572 byte )
[File Information]
 File Name        M0AA5404L.rfu
 File Type        Module for Remote Upgrade
 Size            7.95 MB ( 8331520 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2019/5
----------------------------------------------------------------


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

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


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

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


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

==
[Modifications made:]
Rank C

Supported:
- The waste toner transport motor does not activate even when the
  machine internal temperature reaches the temperature that triggers
  motor activation.
- SP3-820-001 (Tnr Refresh Mode Img Area Thresh:K) value can be
  obtained via @Remote.

Symptom corrected:
- SC301-00 (Charge corona wire voltage error 2) is not detected.
- The following symptoms may occur when printed from LCIT connected in tandem:
  - Printing stops with the operation panel displaying the
    message 'Printing'.
  - Jam26

[Modification history]

Version 2.01:02
Rank C

Other changes:
The default values to trigger 'Clear blurred image' operation were changed as follows:
- SP2-810-003: 27 to 32
- SP2-810-009: 25 to 32

Version 2.00:02
Rank C
Symptom corrected:
- The machine may stall, if a booklet stapling job is run from the
  Fiery controller using sheets fed only from the cover interposer trays.
- SC990 occurs, if the last portion of a duplex job run with the
  interleaving function contains only pages printed on the back side.

Version 1.26:02
Symptom corrected:
- Machine may stall when running jobs using Booklet Finisher SR5060 ver3.00 or newer.

Other changes:
- The system was modified not to issue SC558 (Thermistor disconnect error)
  because the unneeded function to detect high temperature with the thermistor was eliminated.

Version 1.25:02
Symptom corrected:
- When a pause is generated during a duplex interleaving process,
  the engine may run idle and not recover.
- SC670 may occur when running staple jobs and shift tray operation continuously.
- The machine may pause when running staple jobs and shift tray operation.
- When a jam occurs, the operation panel remains
  displaying "printing" instead of the jam alert.

Version 1.24:02
Symptom Corrected:
The following symptoms may be observed after a jam in the DF:
- SC687
- SC670
- Output of a blank page

Version 1.23:02
Specification Change
- Jam53 occurs when feeding A4 SEF from Tray1.

Error Correction
- If a jam occurs and the machine enters sleep mode and wakes up
  before the jam is cleared, the machine stalls.
- If the machine stops suddenly (for instance due to a fusing temp trouble),
  it continues to run idle or displays 670.

Version 1.22:02
Specification Change:
After completing a job, the OPC drum makes a slight rotation to
prevent blurred images caused by ozone accumulation on the drum.
However, this rotation of the drum was found to stop when the door is opened/closed.
The spec was changed to enable the drum rotation to continue by closing the door.

Error Correction:
SC990 may occur in duplex jobs.

Version 1.21:02
Specification Change:
To prevent SC400, the default value of job end process control
setting was changed.

Error Correction:
- If the main power is turned OFF and then ON with the Cover
  Interposer Tray or the Perfect Binder inserter cover open,
  the operation panel may not display the "cover open" message.
  If attempted to run a job in this state, the system stalls.
- If attempted to resume printing after a pause by pressing the
  Emergency Shift Tray Stop switch, the operation panel
  displays "Printing" but printing does not resume.
- The machine may stall after purging jammed sheets.
- If a jam occurs while switching the feed tray in a mixed media job,
  jam alert does not appear on the operation panel and printing
  stops with the panel displaying "printing."
- In rare occasions, printing cannot start because initialization of
  the Vacuum Feed LCIT RT5100 does not complete when the power is
  turned ON.
- In rare occasions, if Jam432(1st Transport Sensor late jam of the
  Vacuum Feed LCIT RT5100) occurs, printing does not resume even

after clearing the jam.

Version 1.20:02
1st Mass production

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

Symptom corrected:
- Printing does not resume even if the staples are refilled after they run out.
- The default values to trigger 'Clear blurred image' operation were changed as follows:
   - SP2-810-003: 27 to 32
   - SP2-810-009: 25 to 32
- SC899 occurs when printed a duplex job that exceeds the max allowable pages.
- Printing from TotalFlow fails due to a network connection error.


------------------------------------------------------------------------
[Modification history]
-----------------------------------------
Version 1.08
Rank C

Symptom corrected:
- User does not receive the stacker tray full alert email even if
  the option is set to "Notify" in Web Image Monitor > Auto Email Notification > Output Tray Full.
- Pressing the Fiery button on the operation panel after powering on
  the machine does not display the "Please Wait" screen.


-----------------------------------------
Version 1.07
Specification Change:
- The jam removal animation was made more noticeable for better user-friendliness.

Symptom Corrected:
- Character corruption may occur for the paper size described on
  the "Print the Settings" printed from [Edit Custom Paper],
  if printed on custom paper size.
- Increased the print speed of mixplex jobs.


-----------------------------------------
Version 1.06
Specification Change:
- The term "NCR Paper" was changed to "Carbonless Paper".


-----------------------------------------
Version 1.05
Specification Change:
Enabled access to printer IMSS MIB from TotalFlow Pre/Print Manager.

Error Correction:
- If an original jams in the sample copy of a stapled job, the first
  set is not printed out.
```

- If the Cover Interposer runs out of paper during the job and the
  tray is reloaded with paper but the paper size is not detected
  correctly due to poor set, the machine stalls when switching to
  the succeeding job.

Version 1.04
Specification Change:
To prevent SC400, the default value of job end process control setting was changed.

Error Correction:
- SC991/SC899 may occur or the machine may stall while using
  applications on @Remote connected machines.
- SC819 occurs, if "Auto-Logout Time" and "Energy Save Time" are set
  to the same time and the machine is left unused for that specified time.

Version 1.03
Symptoms corrected:
- The operation panel freezes, if searched for a custom paper that
  contains 2 byte character in its name.

Version 1.02
1st Mass production

```
================================================================================
*** Basic Information ***
================================================================================
[Create date] 2017/04/17
--------------------------------------------------------------------------
[Program Name] Web Support
--------------------------------------------------------------------------
[Version] 1.04
--------------------------------------------------------------------------
[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.] M0AA5784D
[File Information]
 File Name       M0AA5784D.fwu
 File Type       Module for Service
 Size          5.19 MB ( 5442256 byte )
[File Information]
 File Name       M0AA5784D.rfu
 File Type       Module for Remote Upgrade
 Size          5.20 MB ( 5447936 byte )
--------------------------------------------------------------------------
[Production reflection] 2017/06
--------------------------------------------------------------------------


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

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



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

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

===
*** Modification History ***
===
[Modifications made:]
Other Changes:
- Changed the name of "NCR Paper" to "Carbonless Paper"

[Modification history]

Version 1.03
Symptom corrected:
When the following PM parts need to be replaced, a warning message
is not displayed in Web Image Monitor:
- Paper Transfer Bias Roller
- Dust Filter (Exhaust Duct 1)
- Dust Filter (Exhaust Duct 2)

Version 1.02
Symptom corrected:
When Vacuum Feed LCIT RT5100 is installed and Large Capacity Tray
RT5080 is not installed, if the home page of Web Image Monitor is
navigated to after assigning the user-defined paper that was
previously set in some trays, an "HTTP 500" error occurs.

Version 1.01
1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2017/04/17
----------------------------------------------------------------
[Program Name] OpePanel
----------------------------------------------------------------
[Version] 1.04
----------------------------------------------------------------
[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(ja,en,f,e,d,i,nl,s,n,dk,sf,p,pl,h,cz,ru,sc,tc,br,tr,ca,gr)
[Firmware No.] M0AA5786C
[File Information]
 File Name        M0AA5786C.fwu
 File Type        Module for Service
 Size          50.83 MB ( 53297760 byte )
[File Information]
 File Name        M0AA5786C.rfu
 File Type        Module for Remote Upgrade
 Size          50.84 MB ( 53305600 byte )
----------------------------------------------------------------
[Production reflection]
----------------------------------------------------------------


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

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



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

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

```
================================================================
*** Modification History ***
================================================================
[Modifications made:]
Specification Change:
- The term "NCR Paper" was changed to "Carbonless Paper".



--------------------------------------------------------------------------
[Modification history]
-----------------------------------------
Version 1.03
1st Mass production
```

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2018/07/27
----------------------------------------------------------------
[Program Name] Printer
----------------------------------------------------------------
[Version] 1.09
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] M0AA5790G
[File Information]
 File Name        M0AA5790G.fwu
 File Type        Module for Service
 Size             3.85 MB ( 4032716 byte )
[File Information]
 File Name        M0AA5790G.rfu
 File Type        Module for Remote Upgrade
 Size             3.85 MB ( 4038912 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2018/07
----------------------------------------------------------------


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

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


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

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

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

Other changes:
- Constraint between single-punch with GBC Stream Punch and booklets
  other than saddle-stitch with Booklet Finisher was removed.


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

[Modification history]
-----------------------------------------
Version 1.08
Rank C

Symptom corrected:
- IPDS printing might stall if IPDS jobs are printed continuously.
- 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 printing a specific job consecutively, it might print upside down.
- It might take time to resume a job if it is suspended while the
  device is in Energy Saver mode.

Other changes:
- The printer job history can now be downloaded from the Web Image Monitor in CSV format.


-----------------------------------------
Version 1.07
Other Change:
InputTrayMask operator supported to specify a tray id for each job.

-----------------------------------------
Version 1.06
Other Changes:
Changed the name of "NCR Paper" to "Carbonless Paper".


-----------------------------------------
Version 1.05
Symptom corrected:
- Device startup might stall on the "Please wait" screen when an SD
  card is not installed.
- The "8 1/2 x 13 2/5" paper size cannot be selected in the IPDS Form Settings.


-----------------------------------------
Version 1.04
Symptom corrected:
1. Poor-quality text is output when printing a job that contains m
   ultiple PDL data.
```

2. The configuration for IPDS banner printing might fail to be applied.
3. After an SC reboot occurs, if the dialog window stating that the
   automatic reboot has occurred is not closed, SDK-J applications
   cannot be started, which results in an SC990 error occurring.

Version 1.02
1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2017/06/09
----------------------------------------------------------------
[Program Name] PCL
----------------------------------------------------------------
[Version] 1.02
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] M0AA5793B
[File Information]
 File Name      M0AA5793B.fwu
 File Type      Module for Service
 Size          1.20 MB ( 1262632 byte )
[File Information]
 File Name      M0AA5793B.rfu
 File Type      Module for Remote Upgrade
 Size          1.21 MB ( 1270016 byte )
----------------------------------------------------------------
[Production reflection] 2017/06
----------------------------------------------------------------


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

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



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

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

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


----------------------------------------------------------------
[Modification history]
----------------------------------------
Version 1.01
Symptom corrected:
1. A blank page or missing image is printed out if the print data
   created by certain applications (such as Microsoft Excel 2010)
   contains a significant amount of graphics and/or transparent
   objects.
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.


----------------------------------------
Version 1.00
1st Mass production
```

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2018/07/13
----------------------------------------------------------------
[Program Name] PCL
----------------------------------------------------------------
[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.] D2705772C
[File Information]
 File Name      D2705772C.fwu
 File Type      Module for Service
 Size          1.20 MB ( 1261464 byte )
[File Information]
 File Name      D2705772C.rfu
 File Type      Module for Remote Upgrade
 Size          1.21 MB ( 1265920 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 2018/06
----------------------------------------------------------------


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

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


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

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

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

Other changes:
- F4a (8.5"x13.5") was added as a standard paper size.


-------------------------------------------------------------
[Modification history]
----------------------------------------
Version 1.02
Symptom corrected:
When printing the contents of an A3 size document on A4 size paper
via Direct printing, the text might be distorted.


----------------------------------------
Version 1.01
Symptom corrected:
A blank page or missing image is printed out if the print data
created by certain applications (such as Microsoft Excel 2010)
contains a significant amount of graphics and/or transparent
objects.


----------------------------------------
Version 1.00
1st Mass production
```

<<Package>>
Package(ALL) [BARC2a_pk]
 D3DV5800 Ver. 1.00 -> D3DV5800A Ver. 2.00

<<Separate>>
System/Copy [BARC2a_system]
 D2705750G Ver. 1.07 -> D2705750H Ver. 1.08

Engine [BARC2a_eplot]
 D2705404F Ver. 1.24:02 -> D2705404G Ver. 1.25:02

Network Support [BARC2a_net]
 D2705758B Ver. 12.78.1

OpePanel [BARC2a_epanel]
 D2705790C Ver. 1.04 -> D2705790D Ver. 1.05

Scanner [BARC2a_scn]
 D2705753A Ver. 01.01

Web Support [BARC2a_web]
 D2705754E Ver. 1.05 -> D2705754F Ver. 1.06

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/05/10
----------------------------------------------------------------
[Program Name] PDF
----------------------------------------------------------------
[Version] 1.02
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] M0AA5795B
[File Information]
 File Name      M0AA5795B.fwu
 File Type      Module for Service
 Size          4.13 MB ( 4328940 byte )
[File Information]
 File Name      M0AA5795B.rfu
 File Type      Module for Remote Upgrade
 Size          4.13 MB ( 4333824 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2019/04
----------------------------------------------------------------


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

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


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

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


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

==
[Modifications made:]
Rank C

Symptom corrected:
- When printing a job just after turning on the device,
  the paper might feed from an input tray that was disabled by the
  TotalFlow Print Operating manager.
- SC899 might occur when printing a PDF file with many characters or
  typefaces directly or with the PS driver.
- The device might stall during PDF direct printing if a job
  contains a Bezier curve.
- The device might stall if a job includes text outside the
  printable area of the page.

[Modification history]

Version 1.01
Other Change:
InputTrayMask operator supported to specify a tray id for each job.

Version 1.00
1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/05/22
----------------------------------------------------------------
[Program Name] Java VM v11 std UpdateTool
----------------------------------------------------------------
[Version] 11.42.00
----------------------------------------------------------------
[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.] D2705759H_upd
[File Information]
 File Name         D2705759H_upd.exe
 File Type         Module for Service
 Size           59.16 MB ( 62030455 byte )
 Check Sum -8Bit Sum: 9188
        -16Bit Sum(Little Endian): 0A5B
        -16Bit Sum(Big Endian): 0F2D
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 2019/04
----------------------------------------------------------------


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

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


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

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


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

[Modifications made:]
Rank C

Symptom corrected:
- Errors might be occured by using the Globalscan.
- SDK application might not startup if the Stream Line NX settings changed.
- When JavaVM launched "NullPointerException" error message may be
  displayed, and JavaVM startup may fail.

[Modification history]

Version 11.40.01
Rank C

Symptom corrected:
- The package firmware might not be updated if the firmware includes
  an application that needs to be rebooted when updated.
- 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.

Version 11.39.02
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 SDK application may stop suddenly due to the increase of memory usage.

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 11.35.01
1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/05/22
----------------------------------------------------------------
[Program Name] Java VM v11 std for eDC
----------------------------------------------------------------
[Version] 11.42.00
----------------------------------------------------------------
[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.] D2705759H_edc
[File Information]
 File Name        D2705759H_edc.ifu
 File Type        Module for Service
 Size             58.91 MB ( 61774620 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 2019/04
----------------------------------------------------------------


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

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



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

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



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

Symptom corrected:
- Errors might be occured by using the Globalscan.
- SDK application might not startup if the Stream Line NX settings changed.
- When JavaVM launched "NullPointerException" error message may be
  displayed, and JavaVM startup may fail.

[Modification history]

Version 11.40.01
Rank C

Symptom corrected:
- The package firmware might not be updated if the firmware includes
  an application that needs to be rebooted when updated.
- 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.

Version 11.39.02
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 SDK application may stop suddenly due to the increase of memory usage.

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 11.35.01
1st Mass production

```
================================================================================
*** Basic Information ***
================================================================================
[Create date] 2019/05/20
-------------------------------------------------------------------------
[Program Name] Java VM v11 std UpdateTool
-------------------------------------------------------------------------
[Version] 11.42.00
-------------------------------------------------------------------------
[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.] M0AA5797H_upd
[File Information]
 File Name        M0AA5797H_upd.exe
 File Type        Module for Service
 Size             59.16 MB ( 62030454 byte )
 Check Sum -8Bit Sum: 52B5
        -16Bit Sum(Little Endian): 6C05
        -16Bit Sum(Big Endian): 9BB0
[Availability of RFU] No
-------------------------------------------------------------------------
[Production reflection] 2019/04
-------------------------------------------------------------------------


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

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



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

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



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

[Modifications made:]
Rank C

Symptom corrected:
- Errors might be occured by using the Globalscan.
- SDK application might not startup if the Stream Line NX settings changed.
- When JavaVM launched "NullPointerException" error message may be
  displayed, and JavaVM startup may fail.

[Modification history]

Version 11.40.01
Rank C

Symptom corrected:
- The package firmware might not be updated if the firmware includes
  an application that needs to be rebooted when updated.
- 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.

Version 11.39.02
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 SDK application may stop suddenly due to the increase of memory usage.

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 11.35.01
1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/05/20
----------------------------------------------------------------
[Program Name] Java VM v11 std for eDC
----------------------------------------------------------------
[Version] 11.42.00
----------------------------------------------------------------
[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.] M0AA5797H_edc
[File Information]
 File Name        M0AA5797H_edc.ifu
 File Type        Module for Service
 Size             58.91 MB ( 61774620 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 2019/04
----------------------------------------------------------------


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

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



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

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



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

Symptom corrected:
- Errors might be occured by using the Globalscan.
- SDK application might not startup if the Stream Line NX settings changed.
- When JavaVM launched "NullPointerException" error message may be
  displayed, and JavaVM startup may fail.

[Modification history]

Version 11.40.01
Rank C

Symptom corrected:
- The package firmware might not be updated if the firmware includes
  an application that needs to be rebooted when updated.
- 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.

Version 11.39.02
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 SDK application may stop suddenly due to the increase of memory usage.

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 11.35.01
1st Mass production

```
===============================================================================
*** Basic Information ***
===============================================================================
[Create date] 2018/10/03
-------------------------------------------------------------------------
[Program Name] Scanner
-------------------------------------------------------------------------
[Version] 01.02
-------------------------------------------------------------------------
[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.] D2705753B
[File Information]
 File Name        D2705753B.fwu
 File Type        Module for Service
 Size             4.74 MB ( 4972924 byte )
[File Information]
 File Name        D2705753B.rfu
 File Type        Module for Remote Upgrade
 Size             4.75 MB ( 4980992 byte )
[Availability of RFU] Yes
-------------------------------------------------------------------------
[Production reflection] 2018/09
-------------------------------------------------------------------------


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

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


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

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


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

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

Symptom corrected:
- User and SP settings information in the Copy (Classic) application
  and the Scanner (Classic) application might be cleared after
  version up or down to specific firmware version.

[Modification history]

Version 01.01
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 v1.08 (D2705750H)
Network Support v12.78.1 (D2705758B)
Web Support v1.06 (D2705754F)
Scanner v01.01 (D2705753A)
OpePanel
- General model: v1.05 (D2705790D)
- Koria model: v1.03 (D2705791B)

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

Version 01.00
1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2017/09/20
----------------------------------------------------------------
[Program Name] Network Support
----------------------------------------------------------------
[Version] 12.78.1
----------------------------------------------------------------
[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.] D2705758B
[File Information]
 File Name        D2705758B.fwu
 File Type        Module for Service
 Size          9.62 MB ( 10088984 byte )
[File Information]
 File Name        D2705758B.rfu
 File Type        Module for Remote Upgrade
 Size          9.63 MB ( 10096896 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 2017/09
----------------------------------------------------------------


================================================================
*** 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 v1.08 (D2705750H)
Network Support v12.78.1 (D2705758B)
Web Support v1.06 (D2705754F)
Scanner v01.01 (D2705753A)
OpePanel
- General model: v1.05 (D2705790D)
- Koria model: v1.03 (D2705791B)

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



------------------------------------------------------------------------
[Modification history]
------------------------------------------
Version 12.77
1st Mass production
```

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2017/09/22
----------------------------------------------------------------
[Program Name] MediaLibNAa AB
----------------------------------------------------------------
[Version] 3
----------------------------------------------------------------
[PCB No.] -
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Others
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D2705545_R3
[File Information]
 File Name        D2705545_R3.mqp
 File Type        Module for Service
 Size          0.03 MB ( 26520 byte )
 Check Sum -8Bit Sum: 2E05
        -16Bit Sum(Little Endian): 9077
        -16Bit Sum(Big Endian): A28E
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection]
----------------------------------------------------------------


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

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



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

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

```
========================================================================
*** Modification History ***
========================================================================
[Modifications made:]
[R3]
- Since paper weight must be set to "1" for translucent media
  regardless of the basis weight, the weight of the following media
  was changed from "6" to "1": RC0156


[R2]
- To prevent jams, the default of "Paper Feed Position" of the
  Advanced Settings was changed from Low to High for Paper Weight 0~3 of all paper types.


-------------------------------------------------------------------------
[Modification history]
-----------------------------------------
Version 1
1st Release
```

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2017/09/22
----------------------------------------------------------------
[Program Name] MediaLibNAb AB
----------------------------------------------------------------
[Version] 3
----------------------------------------------------------------
[PCB No.] -
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Others
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D2705546_R3
[File Information]
 File Name        D2705546_R3.mqp
 File Type        Module for Service
 Size          0.03 MB ( 26520 byte )
 Check Sum -8Bit Sum: 2FC6
          -16Bit Sum(Little Endian): 9238
          -16Bit Sum(Big Endian): 638E
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection]
----------------------------------------------------------------


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

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



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

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

```
===============================================================
```
*** Modification History ***
```
===============================================================
```
[Modifications made:]
[R3]
- Since paper weight must be set to "1" for translucent media
  regardless of the basis weight, the weight of the following media
  was changed from "6" to "1": RC0156

[R2]
- To prevent jams, the default of "Paper Feed Position" of the
  Advanced Settings was changed from Low to High for Paper Weight 0~3 of all paper types.


```
------------------------------------------------------------------------
```
[Modification history]
```
-----------------------------------------
```
Version 1
1st Release

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2017/09/22
----------------------------------------------------------------
[Program Name] MediaLibNAc AB
----------------------------------------------------------------
[Version] 3
----------------------------------------------------------------
[PCB No.] -
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Others
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D2705547_R3
[File Information]
 File Name       D2705547_R3.mqp
 File Type       Module for Service
 Size            0.03 MB ( 26520 byte )
 Check Sum -8Bit Sum: 30C2
        -16Bit Sum(Little Endian): 9334
        -16Bit Sum(Big Endian): 5F8E
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection]
----------------------------------------------------------------


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

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



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

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

```
==============================================================================
*** Modification History ***
==============================================================================
[Modifications made:]
[R3]
- Since paper weight must be set to "1" for translucent media
  regardless of the basis weight, the weight of the following media
  was changed from "6" to "1": RC0156


[R2]
- To prevent jams, the default of "Paper Feed Position" of the
  Advanced Settings was changed from Low to High for Paper Weight 0~3 of all paper types.


--------------------------------------------------------------------------
[Modification history]
-----------------------------------------
Version 1
Error Correction:
Installation of the Media Library fails.


---------
1st Release
```

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2017/09/22
----------------------------------------------------------------
[Program Name] MediaLibNAb AB
----------------------------------------------------------------
[Version] 3
----------------------------------------------------------------
[PCB No.] -
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Others
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D2705558_R3
[File Information]
 File Name        D2705558_R3.mqp
 File Type        Module for Service
 Size            0.03 MB ( 26520 byte )
 Check Sum -8Bit Sum: 3013
         -16Bit Sum(Little Endian): 9384
         -16Bit Sum(Big Endian): AF8F
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection]
----------------------------------------------------------------


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

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



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

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

```
========================================================================
*** Modification History ***
========================================================================
[Modifications made:]
[R3]
- Since paper weight must be set to "1" for translucent media
  regardless of the basis weight, the weight of the following media
  was changed from "6" to "1": RC0156


[R2]
- To prevent jams, the default of "Paper Feed Position" of the
  Advanced Settings was changed from Low to High for Paper Weight 0~3 of all paper types.


-------------------------------------------------------------------------
[Modification history]
-----------------------------------------
Version 1
1st Release
```

===
*** Basic Information ***
===
[Create date] 2017/09/22

[Program Name] MediaLibNAc AB

[Version] 3

[PCB No.] -

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Others

Exported to(language) GEN(all)
[Firmware No.] D2705559_R3
[File Information]
 File Name   D2705559_R3.mqp
 File Type   Module for Service
 Size   0.03 MB (26520 byte)
 Check Sum -8Bit Sum: 30C3
        -16Bit Sum(Little Endian): 9434
        -16Bit Sum(Big Endian): 5F8F
[Availability of RFU] No

[Production reflection]

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

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

```
========================================================================
*** Modification History ***
========================================================================
[Modifications made:]
[R3]
- Since paper weight must be set to "1" for translucent media
  regardless of the basis weight, the weight of the following media
  was changed from "6" to "1": RC0156


[R2]
- To prevent jams, the default of "Paper Feed Position" of the
  Advanced Settings was changed from Low to High for Paper Weight 0~3 of all paper types.


--------------------------------------------------------------------------
[Modification history]
-----------------------------------------
Version 1
1st Release
```

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2017/09/28
----------------------------------------------------------------
[Program Name] MediaLibAPa AB
----------------------------------------------------------------
[Version] 4
----------------------------------------------------------------
[PCB No.] -
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Others
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D2705536_R4
[File Information]
 File Name        D2705536_R4.mqp
 File Type        Module for Service
 Size           0.05 MB ( 55416 byte )
 Check Sum -8Bit Sum: 74D9
        -16Bit Sum(Little Endian): CD30
        -16Bit Sum(Big Endian): 80A9
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection]
----------------------------------------------------------------


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

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



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

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

```
================================================================
*** Modification History ***
================================================================
[Modifications made:]
[R4]
- Since paper weight must be set to "1" for translucent media
  regardless of the basis weight, the weight of the following media
  was changed from "4" to "1": RE0196

[R3]
- 25 new rank A and 2 new rank B media were added to the media libraly under ST2 type.

[R2]
- To prevent jams, the default of "Paper Feed Position" of the
  Advanced Settings was changed from Low to High for Paper Weight 0~3 of all paper types.


--------------------------------------------------------------------------
[Modification history]
-----------------------------------------
Version 1
1st Release
```

==
*** Basic Information ***
==
[Create date] 2017/09/28

[Program Name] MediaLibAPb AB

[Version] 4

[PCB No.] -

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Others

Exported to(language) GEN(all)
[Firmware No.] D2705537_R4
[File Information]
 File Name   D2705537_R4.mqp
 File Type   Module for Service
 Size   0.05 MB (55416 byte)
 Check Sum -8Bit Sum: 782F
        -16Bit Sum(Little Endian): D086
        -16Bit Sum(Big Endian): D6A9
[Availability of RFU] No

[Production reflection]

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

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

```
===========================================================================
*** Modification History ***
===========================================================================
[Modifications made:]
[R4]
- Since paper weight must be set to "1" for translucent media
  regardless of the basis weight, the weight of the following media
  was changed from "4" to "1": RE0196

[R3]
- 25 new rank A and 2 new rank B media were added to the media libraly under ST2 type.

[R2]
- To prevent jams, the default of "Paper Feed Position" of the
  Advanced Settings was changed from Low to High for Paper Weight 0~3 of all paper types.


--------------------------------------------------------------------------
[Modification history]
-----------------------------------------
Version 1
1st Release
```

===
*** Basic Information ***
===
[Create date] 2017/09/28

[Program Name] MediaLibAPc AB

[Version] 4

[PCB No.] -

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Others

Exported to(language) GEN(all)
[Firmware No.] D2705538_R4
[File Information]
 File Name   D2705538_R4.mqp
 File Type   Module for Service
 Size   0.05 MB (55416 byte)
 Check Sum -8Bit Sum: 7AF2
         -16Bit Sum(Little Endian): D349
         -16Bit Sum(Big Endian): 99A9
[Availability of RFU] No

[Production reflection]

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

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

```
========================================================================
*** Modification History ***
========================================================================
[Modifications made:]
[R4]
- Since paper weight must be set to "1" for translucent media
  regardless of the basis weight, the weight of the following media
  was changed from "4" to "1": RE0196

[R3]
- 25 new rank A and 2 new rank B media were added to the media libraly under ST2 type.

[R2]
- To prevent jams, the default of "Paper Feed Position" of the
  Advanced Settings was changed from Low to High for Paper Weight 0~3 of all paper types.


--------------------------------------------------------------------------
[Modification history]
----------------------------------------
Version 1
1st Release
```

===
*** Basic Information ***
===
[Create date] 2017/09/28

[Program Name] MediaLibEUa AB

[Version] 4

[PCB No.] -

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Others

Exported to(language) GEN(all)
[Firmware No.] D2705542_R4
[File Information]
 File Name   D2705542_R4.mqp
 File Type   Module for Service
 Size   0.04 MB (43720 byte)
 Check Sum -8Bit Sum: 35AD
         -16Bit Sum(Little Endian): B2FE
         -16Bit Sum(Big Endian): 2FAF
[Availability of RFU] No

[Production reflection]

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

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

```
==============================================================================
```
*** Modification History ***
```
==============================================================================
```
[Modifications made:]
[R4]
- Since paper weight must be set to "1" for translucent media
  regardless of the basis weight, the weight of the following media
  was changed from "4" to "1": RE0196

[R3]
- 25 new rank A and 2 new rank B media were added to the media libraly under ST2 type.

[R2]
- To prevent jams, the default of "Paper Feed Position" of the
  Advanced Settings was changed from Low to High for Paper Weight 0~3 of all paper types.


```
--------------------------------------------------------------------------
```
[Modification history]
```
----------------------------------------
```
Version 1
1st Release

==
*** Basic Information ***
==
[Create date] 2017/09/28

[Program Name] MediaLibEUb AB

[Version] 4

[PCB No.] -

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Others

Exported to(language) GEN(all)
[Firmware No.] D2705543_R4
[File Information]
 File Name   D2705543_R4.mqp
 File Type   Module for Service
 Size   0.04 MB (43720 byte)
 Check Sum -8Bit Sum: 3850
        -16Bit Sum(Little Endian): B5A1
        -16Bit Sum(Big Endian): D2AF
[Availability of RFU] No

[Production reflection]

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

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

```
================================================================
*** Modification History ***
================================================================
[Modifications made:]
[R4]
- Since paper weight must be set to "1" for translucent media
  regardless of the basis weight, the weight of the following media
  was changed from "4" to "1": RE0196

[R3]
- 25 new rank A and 2 new rank B media were added to the media libraly under ST2 type.

[R2]
- To prevent jams, the default of "Paper Feed Position" of the
  Advanced Settings was changed from Low to High for Paper Weight 0~3 of all paper types.


------------------------------------------------------------------------
[Modification history]
-----------------------------------------
Version 1
1st Release
```

===
*** Basic Information ***
===
[Create date] 2017/09/28

[Program Name] MediaLibEUc AB

[Version] 4

[PCB No.] -

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Others

Exported to(language) GEN(all)
[Firmware No.] D2705544_R4
[File Information]
 File Name   D2705544_R4.mqp
 File Type   Module for Service
 Size   0.04 MB (43720 byte)
 Check Sum -8Bit Sum: 3A70
        -16Bit Sum(Little Endian): B7C1
        -16Bit Sum(Big Endian): F2AF
[Availability of RFU] No

[Production reflection]

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

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

```
================================================================
```
*** Modification History ***
```
================================================================
```
[Modifications made:]
[R4]
- Since paper weight must be set to "1" for translucent media
  regardless of the basis weight, the weight of the following media
  was changed from "4" to "1": RE0196

[R3]
- 25 new rank A and 2 new rank B media were added to the media libraly under ST2 type.

[R2]
- To prevent jams, the default of "Paper Feed Position" of the
  Advanced Settings was changed from Low to High for Paper Weight 0~3 of all paper types.

[Modification history]

Version 1
1st Release

```
==============================================================
*** Basic Information ***
==============================================================
[Create date] 2019/05/08
--------------------------------------------------------------
[Program Name] System/Copy
--------------------------------------------------------------
[Version] 1.13
--------------------------------------------------------------
[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.] D2705750N
[File Information]
 File Name        D2705750N.fwu
 File Type        Module for Service
 Size             21.00 MB ( 22017180 byte )
[File Information]
 File Name        D2705750N.rfu
 File Type        Module for Remote Upgrade
 Size             21.00 MB ( 22024448 byte )
[Availability of RFU] No
--------------------------------------------------------------
[Production reflection] 2019/04
--------------------------------------------------------------


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

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

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

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

Supported:
- SP3-820-001 (Tnr Refresh Mode Img Area Thresh:K) value can be
  obtained via @Remote.
- The waste toner transport motor does not activate even when the
  machine internal temperature reaches the temperature that triggers
  motor activation.

[Modification history]

Version 1.12
Rank C

Symptom corrected:
- Printer capture data might not be sent when printing a blank page
  if the capture function is enabled.
- User and SP settings information in the Copy (Classic) application
  and the Scanner (Classic) application might be cleared after
  version up or down to specific firmware version.

Other changes:
The default values to trigger 'Clear blurred image' operation were changed as follows:
- SP2-810-003: 27 to 32
- SP2-810-009: 25 to 32

Version 1.11
Rank C

Symptom corrected:
- Printing does not resume even if the staples are refilled after they run out.
- Condition data obtained from the printer engine is falsely saved as engine logs.

Other changes:
- F4a (8.5"x13.5") was added as a standard paper size.
- Constraint between single-punch with GBC Stream Punch and booklets
  other than saddle-stitch with Booklet Finisher was removed.
- Condition data obtained via @Remote was combined and reduced of
  the size for faster processing.

Version 1.09
Rank C

Symptom corrected:
- Pressing the Fiery button on the operation panel after powering on
  the machine does not display the "Please Wait" screen.
- It takes time to login after authenticating the card.
- User does not receive the stacker tray full alert email even if
  the option is set to "Notify" in Web Image Monitor >
  Auto Email Notification > Output Tray Full.

Version 1.08
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 v1.08 (D2705750H)
Network Support v12.78.1 (D2705758B)
Web Support v1.06 (D2705754F)
Scanner v01.01 (D2705753A)
OpePanel
- General model: v1.05 (D2705790D)
- Koria model: v1.03 (D2705791B)

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

Version 1.07
Symptom Corrected:
- The jam removal animation was made more noticeable for better user-friendliness.
- Upgrade of the package firmware fails and results in Error 61.
- An abnormal images may appear in a saddle-stitched PostScript magazine job,
  if the booklet contains a blank page.

Version 1.06
Specification Change:
- The term "NCR Paper" was changed to "Carbonless Paper".

Version 1.05
Specification Change
- Support of Korean language.
- Enabled access to printer IMSS MIB from TotalFlow Pre/Print Manager.
- Added the below SP to enable/disable the "Screen Monitoring" function.
  SP5-885-205: default = 0 (enabled)

NOTE: This firmware is dependent on Web Support firmware v1.04 (D2705754D) or later,
so please be sure to update that firmware as well.

Error Correction
- If the Cover Interposer runs out of paper during the job, the job
  is falsely cancelled and the job does not resume even after
  reloading the tray with paper.
- Remaining printing time displayed is incorrect (ex. 999min) when
  printed from the Document Server.
- If an original jams in the sample copy of a stapled job, the first
  set is not printed out.
- If the Cover Interposer runs out of paper during the job and the
  tray is reloaded with paper but the paper size is not detected
  correctly due to poor set, the machine stalls when switching to
  the succeeding job.

Version 1.04
Specification Change:
To prevent SC400, the default value of job end process control setting was changed.

Error Correction:
- SC991/SC899 may occur or the machine may stall while using
  applications on @Remote connected machines.
- SC819 occurs, if "Auto-Logout Time" and "Energy Save Time" are set
  to the same time and the machine is left unused for that specified time.
- After entering the user code to start up the Copy application, the
  user code input screen does not disappear.
- If a jam occurs on the first page of a job on a machine set with
  user code authentication and then, the start button and log-out
  button are pressed together, the start button becomes ineffective.

Version 1.03
Symptoms corrected:
- The operation panel freezes, if searched for a custom paper that
  contains 2 byte character in its name.

Version 1.02
1st Mass production

```
==============================================================================
*** Basic Information ***
==============================================================================
[Create date] 2017/09/29
------------------------------------------------------------------------
[Program Name] MediaLibAPb AB
------------------------------------------------------------------------
[Version] 4
------------------------------------------------------------------------
[PCB No.] -
------------------------------------------------------------------------
[Interchangeability] X / O
------------------------------------------------------------------------
[Other Firmware Requirements] None
------------------------------------------------------------------------
[PCB Requirements] None
------------------------------------------------------------------------
[Software category] Normal Release
------------------------------------------------------------------------
[Release category] Normal Release
------------------------------------------------------------------------
[Program category] Others
------------------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D2705552_R4
[File Information]
 File Name        D2705552_R4.mqp
 File Type        Module for Service
 Size           0.05 MB ( 55416 byte )
 Check Sum -8Bit Sum: 7830
        -16Bit Sum(Little Endian): D186
        -16Bit Sum(Big Endian): D6AA
[Availability of RFU] No
------------------------------------------------------------------------
[Production reflection]
------------------------------------------------------------------------


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

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



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

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

```
================================================================
*** Modification History ***
================================================================
[Modifications made:]
[R4]
- Since paper weight must be set to "1" for translucent media
  regardless of the basis weight, the weight of the following media
  was changed from "4" to "1": RE0196

[R3]
- 25 new rank A and 2 new rank B media were added to the media libraly under ST2 type.

[R2]
- To prevent jams, the default of "Paper Feed Position" of the
  Advanced Settings was changed from Low to High for Paper Weight 0~3 of all paper types.


---------------------------------------------------------------------------
[Modification history]
-----------------------------------------
Version 1
1st Release
```

```
========================================================================
*** Basic Information ***
========================================================================
[Create date] 2017/09/29
------------------------------------------------------------------------
[Program Name] MediaLibAPc AB
------------------------------------------------------------------------
[Version] 4
------------------------------------------------------------------------
[PCB No.] -
------------------------------------------------------------------------
[Interchangeability] X / O
------------------------------------------------------------------------
[Other Firmware Requirements] None
------------------------------------------------------------------------
[PCB Requirements] None
------------------------------------------------------------------------
[Software category] Normal Release
------------------------------------------------------------------------
[Release category] Normal Release
------------------------------------------------------------------------
[Program category] Others
------------------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D2705553_R4
[File Information]
 File Name        D2705553_R4.mqp
 File Type        Module for Service
 Size            0.05 MB ( 55416 byte )
 Check Sum -8Bit Sum: 7AF3
        -16Bit Sum(Little Endian): D449
        -16Bit Sum(Big Endian): 99AA
[Availability of RFU] No
------------------------------------------------------------------------
[Production reflection]
------------------------------------------------------------------------


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

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



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

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

```
================================================================
*** Modification History ***
================================================================
[Modifications made:]
[R4]
- Since paper weight must be set to "1" for translucent media
  regardless of the basis weight, the weight of the following media
  was changed from "4" to "1": RE0196

[R3]
- 25 new rank A and 2 new rank B media were added to the media libraly under ST2 type.

[R2]
- To prevent jams, the default of "Paper Feed Position" of the
  Advanced Settings was changed from Low to High for Paper Weight 0~3 of all paper types.


--------------------------------------------------------------------------
[Modification history]
-----------------------------------------
Version 1
1st Release
```

```
================================================================================
*** Basic Information ***
================================================================================
[Create date] 2017/09/28
--------------------------------------------------------------------
[Program Name] MediaLibEUb AB
--------------------------------------------------------------------
[Version] 4
--------------------------------------------------------------------
[PCB No.] -
--------------------------------------------------------------------
[Interchangeability] X / O
--------------------------------------------------------------------
[Other Firmware Requirements] None
--------------------------------------------------------------------
[PCB Requirements] None
--------------------------------------------------------------------
[Software category] Normal Release
--------------------------------------------------------------------
[Release category] Normal Release
--------------------------------------------------------------------
[Program category] Others
--------------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D2705556_R4
[File Information]
 File Name        D2705556_R4.mqp
 File Type        Module for Service
 Size            0.04 MB ( 43720 byte )
 Check Sum -8Bit Sum: 3851
        -16Bit Sum(Little Endian): B6A1
        -16Bit Sum(Big Endian): D2B0
[Availability of RFU] No
--------------------------------------------------------------------
[Production reflection]
--------------------------------------------------------------------


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

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



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

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

```
================================================================
*** Modification History ***
================================================================
[Modifications made:]
[R4]
- Since paper weight must be set to "1" for translucent media
  regardless of the basis weight, the weight of the following media
  was changed from "4" to "1": RE0196

[R3]
- 25 new rank A and 2 new rank B media were added to the media libraly under ST2 type.

[R2]
- To prevent jams, the default of "Paper Feed Position" of the
  Advanced Settings was changed from Low to High for Paper Weight 0~3 of all paper types.


-------------------------------------------------------------------------
[Modification history]
-----------------------------------------
Version 1
1st Release
```

==
*** Basic Information ***
==
[Create date] 2017/09/29

[Program Name] MediaLibEUc AB

[Version] 4

[PCB No.] -

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Others

Exported to(language) GEN(all)
[Firmware No.] D2705557_R4
[File Information]
 File Name   D2705557_R4.mqp
 File Type   Module for Service
 Size   0.04 MB (43720 byte)
 Check Sum -8Bit Sum: 3A71
        -16Bit Sum(Little Endian): B8C1
        -16Bit Sum(Big Endian): F2B0
[Availability of RFU] No

[Production reflection]

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

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

```
================================================================
*** Modification History ***
================================================================
[Modifications made:]
[R4]
- Since paper weight must be set to "1" for translucent media
  regardless of the basis weight, the weight of the following media
  was changed from "4" to "1": RE0196

[R3]
- 25 new rank A and 2 new rank B media were added to the media libraly under ST2 type.

[R2]
- To prevent jams, the default of "Paper Feed Position" of the
  Advanced Settings was changed from Low to High for Paper Weight 0~3 of all paper types.



--------------------------------------------------------------------------
[Modification history]
-----------------------------------------
Version 1
1st Release
```

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2018/02/01
----------------------------------------------------------------
[Program Name] System/Copy
----------------------------------------------------------------
[Version] 1.06
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] M0A05770G
[File Information]
 File Name       M0A05770G.fwu
 File Type       Module for Service
 Size            25.63 MB ( 26879168 byte )
[File Information]
 File Name       M0A05770G.rfu
 File Type       Module for Remote Upgrade
 Size            25.64 MB ( 26886400 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2017/10
----------------------------------------------------------------


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

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

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

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

Symptom corrected:
- After sending mail including the URL link of a PDF file scanned by OCR,
  when the device is turned off and on, the PDF file is not able to be accessed
  by clicking on the URL.
- When capture processing and either thumbnail or preview processing occur at
  the same time, capture processing might not operate normally if the capture
  setting is enabled and Media Link Board is installed.
- When using Windows authentication, LDAP authentication, or external
  authentication, if exporting the address book from Device Manager NX,
  the export data cannot be imported.
- Remote un-installation for Streamline NX might fail.
- When the relationship between the host name and the IP address on the DNS
  server is modified, Java VM might not recognize the change.
- When JavaVM is not enabled and only IPv6 is enabled, the list of installed
  applications is not displayed in Extended Feature Info on the Web Image Monitor.
- When the device has just gone into energy saver mode, even if a copy job is
  sent from a SmartSDK application, copying does not start.


Other changes:
- Reboot will be retried if reboot fails after updating remotely.
- Supported RICOH SmartSDK v2.40.
- Supports Arabic
- Added the function to set user usage restrictions for each application.




---------------------------------------------------------------
[Modification history]
-----------------------------------------
Version 1.05
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 v1.05 (M0A05770F)
Network Support v16.35.1 (M0A05753D)
Web Support v1.04 (M0A05750E)
Scanner v01.05 (M0A05779F)
animation v1.01 (M0A05752B)

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




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```

Version 1.04
Other changes:
- The machine reboots automatically after an SC670.
- Added the following sub codes for SC670:
    SC670-03:Power source error for Engine.
    SC670-04:Communication error between CTL-IPU
- When the Auto Logout timer is invoked can be changed:
    SP5-401-230 bit7 = 1: When the job executed from the operation panel is completed.
    SP5-401-230 bit7 = 0: When the user last had interaction with the panel.
- The bypass tray became a select target for "Auto Paper Select".
  This firmware is dependent on the following firmwares:
   - Printer v1.02(M0A05756C)

Symptom cprrected:
- SC673-10 may occur when turning ON the machine power.
- SC819 may occur after removing a jam that occurred while printing a large job
  that fully consumes the printer memory.
- SC899 may occur when rebooting after updating a firmware.
- SC816-98 may occur during the STR mode even if the machine is not experiencing
  any problems.
- SC672 occurs after recovering from sleep mode and SC819 occurs after reboot.
- SC819 may occur, if the auto log-out timer and the energy saving timer are set
  to the same value.
- Hard keys become ineffective on the Copy screen, if operated as follows:
  Log in and copy either on the exposure glass or from ADF, or run a batch copy job.
  Press the Stop key before the copies are delivered. Manually or automatically log out.
  Log in again.
- After entering the user code to start up the Copy application, the user code
  input screen does not disappear.
- If a jam occurs on the first page of a job on a machine set with user code
  authentication and then, the start button and log-out button are pressed together,
  the start button becomes ineffective.
- The operation panel may freeze, if the Start button is pressed in copy mode
  immediately after recovering from the energy saver mode.
- SC845 may occur while updating a package firmware, if the machine was turned OFF
  during the previous update via ARFU.
- Error 22 may occur during ARFU.

Version 1.03
Symptom corrected:
- Image density is darker or lighter, because process control does not activate
  when the main power is turned on.
- If logged in using CAP and the device enters Energy Save mode, the device may
  stall and logging out will fail.
- When the device is using "Card Authentication Package" or another custom
  authentication and then the following fields on the server are blank, the
  fields in the address book on the device might not overwritten:
    - Email address
    - FAX address
    - Folder address

Other changes:
- More than five languages can be added to the "Change Langs. Widget" on the
  smart operation panel.
- When executing a Firmware configuration task via Device Manager NX Pro/Enterprise,
  an RFU package with the appropriate destination (USA/Europe/Asia/Korea/Taiwan model
  or China model) can be selected and downloaded from the RICOH Global Server.

Version 1.02
Symptom corrected:
1. SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.)
   Both the Standard (Compatibility mode) application and the SOP Optimized
   (Hybrid mode) application are affected by these issues.
     - Cannot log in.
     - Cannot scan.
     - Cannot print.
     - Error message appears.
    etc.
2. Machine might stall due to a time-out error of the SATA command when the HDD
   activates.
3. Error occurs, if new addresses are continuously registered to the address book
   using Smart SDK.
4. Recovering from the energy saver mode takes about 5 seconds longer than usual.
5. Saving a scanned filed onto a USB memory stick may cause the file to corrupt.
6. SC899 may occur after updating with the packaged firmware.
7. SC899 may occur when installing @Remote.
8. Connection error message may appear mistakenly on @Remote connected machines.
9. SC991/SC899 may occur or stall may occur during use of application on @Remote
   connected machines.
10. If the device enters Energy Save Mode after automatically logging out of an
    account, the device might stall when IC card authentication is used to recover
    from Energy Save Mode once out of every 200 times.

Other changes:
1. Added an SP setting for enabling or disabling the "Screen Monitoring" function.
   SP5-885-205: default = 0 ("Screen Monitoring" is enabled)

   This firmware is dependent on Web Support firmware v1.01 (M0A05750B) or later,
   so please be sure to update that firmware as well.

2. When using "Enhanced Print Volume Use Limitation" in a SmartSDK application and
   "Tracking Permission" and "Stop Printing" are enabled, the "Print Volume Use"
   pop-up window is not displayed.

Version 1.01
Symptom corrected:
- Emergency firmware update may not work occasionally.

Other Changes:

- Some of the ARFU related SP settings and logs can be obtained using @Remote.
- Modified the default value of SSL in the SMC Report.
- The SLNX Hybrid mode application might not be installed correctly.

Version 1.00.2
1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2018/07/13
----------------------------------------------------------------
[Program Name] Web Uapl
----------------------------------------------------------------
[Version] 1.01
----------------------------------------------------------------
[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.] D2705755A
[File Information]
 File Name        D2705755A.fwu
 File Type        Module for Service
 Size         1.54 MB ( 1611204 byte )
[File Information]
 File Name        D2705755A.rfu
 File Type        Module for Remote Upgrade
 Size         1.54 MB ( 1618176 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 2018/06
----------------------------------------------------------------


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

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


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

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

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

Other changes:
- F4a (8.5"x13.5") was added as a standard paper size.
- Constraint between single-punch with GBC Stream Punch and booklets
  other than saddle-stitch with Booklet Finisher was removed.


```
-------------------------------------------------------------------------
```
[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2018/07/04
----------------------------------------------------------------
[Program Name] NetworkDocBox
----------------------------------------------------------------
[Version] 1.01
----------------------------------------------------------------
[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.] D2705756A
[File Information]
 File Name        D2705756A.fwu
 File Type        Module for Service
 Size             1.91 MB ( 2003560 byte )
[File Information]
 File Name        D2705756A.rfu
 File Type        Module for Remote Upgrade
 Size             1.92 MB ( 2011392 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 2018/06
----------------------------------------------------------------


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

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


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

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

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

1st Mass production


--------------------------------------------------------------------------
[Modification history]
```

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2018/07/13
----------------------------------------------------------------
[Program Name] PDF
----------------------------------------------------------------
[Version] 1.01
----------------------------------------------------------------
[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.] D2705773A
[File Information]
 File Name       D2705773A.fwu
 File Type       Module for Service
 Size        4.13 MB ( 4326696 byte )
[File Information]
 File Name       D2705773A.rfu
 File Type       Module for Remote Upgrade
 Size        4.13 MB ( 4333824 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 2018/06
----------------------------------------------------------------


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

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


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

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

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

Symptom corrected:
- SC899 might occur if there is a large number of different characters
  used in a print job.
- The device might stall during PDF direct printing if a job contains
  a Bezier curve.

Other changes:
- F4a (8.5"x13.5") was added as a standard paper size.

[Modification history]

Version 1.00
1st Mass production