

S2000f/S3000 Series Scanner Firmware Release Notes

Firmware Version 210701 Summary

Purpose of Release: Due to a component supply chain issue the CIS module has hardware changes which require a firmware update. This change is to allow for more variability in the CIS module illumination in the production part to prevent issue with image calibration with some CIS modules that has been seen in manufacturing.

Date: July 19, 2021

Recommended Host Driver Version:

S2000f/S3000 Driver Installation Disk Version: 3.0

Firmware Update Process:

Options #1) To update firmware via scanner internal web page when networked connected and no host drivers needed

- 1) Have scanner and computer connected to network
- 2) Open a web browser and enter the IP address of the scanner.
- 3) Click on the support tab in the web page that starts
- 4) In the bottom left corner, click on the UPDATE SCANNER FIRMWARE button
- 5) Click on Browse, navigate to and select the [core-image-amethyst-amethystsec-release-210701.rootfs.tar.sig](#) file.
- 6) Click on the start firmware update button
- 7) Wait for firmware update to complete

Options #2) If the S2000f/S3000 scanner is USB or NETWORK (wired or wireless) connected, any host computer which can successfully scan using the TWAIN driver can be used to update the firmware using the file [s3000_210701_Firmware.exe](#)

- 1) Execute the EXE (To update the firmware silently, use a “-s” switch when executing the exe)
- 2) The firmware will be downloaded to the scanner using the drivers on the host computer
- 3) Wait for the firmware update to complete

Embedded Firmware subsystems

Name	Versions
* FPGA Version:	21.0.0
* IPC Version:	210701 Release (Linux)
* SMC Version:	00000b SMC Dev Aug 6 2020 16:18:57
* PRC Version:	000000 Printer Dev Aug 6 2020 16:17:00
* PrinterBoard Version:	09190602
* SPC Version:	200702 Release (Ccs0)
* DSP Version:	06080900
* DSP Build:	5f077e72
* Front Scan Module Type:	00000000
* Rear Scan Module Type:	00000000
* Front Scan Module Version:	00000000
* Rear Scan Module Version:	00000000
* Platform Version:	210701
* Firmware UID:	15B9360020ACA887D81C9C3489E4508E

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New Features in Firmware 210701:

1. none

Improvements from Firmware 210701:

1. AMY-1568 – Manufacturing End of Line All-In-One target image shows color stripe(s) in dark regions. With some of the new CIS Modules.

Known Issues:

1. none

Notes:

If installing the firmware on Windows 7/8/10 PC a “Program Compatibility Assistant” message may be displayed. This is normal. Click “This Program installed correctly” to continue.

S2000f/S3000 Series Scanner Firmware Release Notes

Firmware Version 210501 Summary

Purpose of Release: Due to a component supply chain issue the CIS module has hardware changes which require a firmware update.

Date: May 12, 2021

Recommended Host Driver Version:

S2000f/S3000 Driver Installation Disk Version: 3.0

Firmware Update Process:

Options #1) To update firmware via scanner internal web page when networked connected and no host drivers needed

- 1) Have scanner and computer connected to network
- 2) Open a web browser and enter the IP address of the scanner.
- 3) Click on the support tab in the web page that starts
- 4) In the bottom left corner, click on the UPDATE SCANNER FIRMWARE button
- 5) Click on Browse, navigate to and select the core-image-amethyst-amethystsec-release-210501.rootfs.tar.sig file.
- 6) Click on the start firmware update button
- 7) Wait for firmware update to complete

Options #2) If the S2000f/S3000 scanner is USB or NETWORK (wired or wireless) connected, any host computer which can successfully scan using the TWAIN driver can be used to update the firmware using the file s3000_210501_Firmware.exe

- 1) Execute the EXE (To update the firmware silently, use a “-s” switch when executing the exe)
- 2) The firmware will be downloaded to the scanner using the drivers on the host computer
- 3) Wait for the firmware update to complete

Embedded Firmware subsystems

Name	Versions
* FPGA Version:	20.0.0
* IPC Version:	210501 Release (Linux)
* SMC Version:	00000b SMC Dev Aug 6 2020 16:18:57
* PRC Version:	000000 Printer Dev Aug 6 2020 16:17:00
* PrinterBoard Version:	09190602
* SPC Version:	200702 Release (Ccs0)
* DSP Version:	06080900
* DSP Build:	5f077e72
* Front Scan Module Version:	00000000
* Rear Scan Module Version:	00000000
* Platform Version:	210501
* Firmware UID:	15B9360020ACA887D81C9C3489E4508E

New Features in Firmware 210501:

2. AMY-869 – add OCP support for the Polish Language
3. Support CIS module Kodak Alaris Part number 5P0367. When CIS module part # 5P0367 is in a machine the firmware must be at version 210501 or higher. If service is replacing a CIS module both Front and Rear CIS modules must be the same part number and changed as a set. Firmware 210501 is compatible with the original CIS module (part # 5K8565).

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Improvements from Firmware 210501:

1. Address reported problems with timing and network connection. USB connected scanners are not impacted. For a complete solution to the network timing issues, the firmware must be paired with Host Driver CD 4.2 or higher.
 - AMY-1304 – Slow scan start time when scanner is network connected
 - AMY-1305 – network connection lost when to host PC
 - AMY-1306 – using shared PC mode, connections for more than 4 computers does not work
 - AMY-1311 – Long delays when network connected for accessing driver GUI

Known Issues:

2. none

Notes:

If installing the firmware on Windows 7/8/10 PC a “Program Compatibility Assistant” message may be displayed. This is normal. Click “This Program installed correctly” to continue.

S2000f/S3000 Series Scanner Firmware Release Notes

Firmware Version 200801 Summary

Purpose of Release: This is the initial release of firmware for the S2000f-S3000 product family

Date: October 1, 2020

Recommended Host Driver Version:

S2000f/S3000 Driver Installation Disk Version: 1.4

Firmware Update Process:

Options #1) To update firmware via scanner internal web page when networked connected and no host drivers needed

- 1) Have scanner and computer connected to network
- 2) Open a web browser and enter the IP address of the scanner.
- 3) Click on the support tab in the web page that starts
- 4) In the bottom left corner, click on the UPDATE SCANNER FIRMWARE button
- 5) Click on Browse, navigate to and select the core-image-amethyst-amethystsec-release-200801.rootfs.tar.sig file.
- 6) Click on the start firmware update button
- 7) Wait for firmware update to complete

Options #2) If the S2000f/S3000 scanner is USB or NETWORK (wired or wireless) connected, any host computer which can successfully scan using the TWAIN driver can be used to update the firmware using the file s3000_200801_Firmware.exe

- 1) Execute the EXE (**To update the firmware silently, use a “-s” switch when executing the exe**)
- 2) The firmware will be downloaded to the scanner using the drivers on the host computer
- 3) Wait for the firmware update to complete

Embedded Firmware subsystems

Name	Versions
* FPGA Version:	1e.0.0
* IPC Version:	200801 Release (Linux)
* SMC Version:	00000b SMC Dev Aug 6 2020 16:18:57
* PRC Version:	000000 Printer Dev Aug 6 2020 16:17:00
* PrinterBoard Version:	09190602
* SPC Version:	200702 Release (Ccs0)
* DSP Version:	06080900
* DSP Build:	5f077e72
* Front Scan Module Version:	00000000
* Rear Scan Module Version:	00000000
* Platform Version:	200801
* Firmware UID:	15B9360020ACA887D81C9C3489E4508E

New Features from Firmware 200801:

2. initial release of firmware

Improvements from Firmware 200801:

3. initial release of firmware

Known Issues:

3. none

S2000f/S3000 Series Scanner Firmware Release Notes

Notes:

If installing the firmware on Windows 7/8/10 PC a “Program Compatibility Assistant” message may be displayed. This is normal. Click “This Program installed correctly” to continue.