

## S2000w Series Scanner Firmware Release Notes

### Firmware Version 241201 Summary

**Purpose of Release:** This is the updated release of the firmware for the S2060w and S2080w that adds features to the WEB API

**Date:** Dec 20, 2024

**Recommended Host Driver Version:**

S2000 Driver Installation Disk Version: 5.2

**Firmware Update Process:**

If the S2000w scanner is USB connected, any host computer which can successfully scan using the TWAIN driver can be used to update the firmware using the file [s2000w\\_241201\\_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:	1B.0.0 (Original Main Board) 52.0.0 (Updated Main Board) B2.0.0 E1.0.0

**New Features for Firmware 241201:**

1. Image processing features added to the WEB API

**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.

Firmware 230802 must be installed using the USB connection. It is not possible to update the scanner firmware through the scanners internal web page when network connected.

## S2000w Series Scanner Firmware Release Notes

### Firmware Version 230802 Summary

**Purpose of Release:** This is the updated release of the firmware for the S2060w and S2080w as a general maintenance release.

**Date:** Dec 11, 2023

**Recommended Host Driver Version:**

S2000 Driver Installation Disk Version: 5.2

**Firmware Update Process:**

If the S2000w scanner is USB connected, any host computer which can successfully scan using the TWAIN driver can be used to update the firmware using the file [s2000w\\_230802\\_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:	1B.0.0 (Original Main Board) 52.0.0 (Updated Main Board) B2.0.0 E1.0.0
Platform Version:	230802

**New Features for Firmware 230802:**

2. None

**Improvements for Firmware 230802:**

1. SAGE-2644 - Added WEBAPI support with S2000W for flatbed (Passport, Legal/A4 or A3 flatbed).
2. SAGE-2653 – Fixed issue where scanner was not saving the time & date of first host connection.
3. SAGE-2625 – Limited number of HTTP connections to only allow 64 connections to resist an excessive number of authentication attempts.
4. SAGE-2617 – Support push of Device Certificate (HTTPS/TLS) via WebAPI or TWAIN
5. SAGE-2616 – Added Encryption to configurator keys & user passwords.
6. SAGE-2615 – Added support for downloadable SSL certificates for HTTPS.
7. SAGE-2507 – Correct A3 flatbed pixel size to fix OCR issue.
8. SAGE-2469 – Enabled “power off after” function for web page for all languages.
9. SAGE-1747 – Scanner will restart automatically without user intervention after firmware is updated.

**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.

Firmware 230802 must be installed using the USB connection. It is not possible to update the scanner firmware through the scanners internal web page when network connected.

## S2000w Series Scanner Firmware Release Notes

### Firmware Version 210301 Summary

**Purpose of Release:** This is the updated release of the firmware for the S2060w and S2080w for a scanner hardware (Main Board) change, the firmware supports both version of hardware configurations.

**Date:** March 2, 2021

**Recommended Host Driver Version:**

S2000 Driver Installation Disk Version: 4.3

**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-sage-sagemid-release-210301.rootfs.tar.sig](#) file.
- 6) Click on the start firmware update button
- 7) Wait for firmware update to complete

Options #2) If the S2000w 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 [s2000w\\_210301\\_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:	1B.0.0 (Original Main Board) 52.0.0 (Updated Main Board)
Platform Version:	210301

**New Features for Firmware 210301:**

3. Czech language support added to the OCP
4. Support both original and updated hardware configurations
  - a. There are no functional differences between the hardware configuration changes and V210301 supports both configurations.

**Improvements for Firmware 210301:**

10. none

**Known Issues:**

3. SAGE-2081 - When Czech language selected on scanner the current 'Language' setting displays as 'Angličtina' (English) not 'Čeština' (Czech).
4. SAGE-508 - When using Multiple Document Locate with Sleeve scanning that is the documents are placed in the sleeve such that two documents are in the same horizontal plane in the sleeve that the front and rear images may not be matched properly. The workaround is to place the documents such that they are not in the same horizontal plane in the sleeve.

## S2000w Series Scanner Firmware Release Notes

5. SAGE-764 – A4/Legal Flatbed with Multiple Document Locate. Depending on the how the document is placed relative to Skew to the platen camera some boarder may be left around the resulting images
6. SAGE-766 – A4/Legal Flatbed auto cropping with dark green documents at 600 DPI can leave black borders on the image.

**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.

## S2000w Series Scanner Firmware Release Notes

### Firmware Version 200502 Summary

**Purpose of Release:** This is the updated release of the firmware for the S2060w and S2080w as a general release

**Date:** May 6, 2020

**Recommended Host Driver Version:**

S2000w Driver Installation Disk Version: 4.3

**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-sage-sagemid-release-200502.rootfs.tar.sig](#) file.
- 6) Click on the start firmware update button
- 7) Wait for firmware update to complete

Options #2) If the S2000w 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 [s2000w\\_200502\\_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

<b>Name</b>	<b>Versions</b>
* FPGA Version:	19.0.0
* IPC Version:	200502 Release (IpcApp)
* SMC Version:	00000b SMC Dev Feb 13 2020 12:18:36
* SPC Version:	190201 Release (Spc0)
* DSP Version:	06072400
* DSP Build:	5cb7a608
* Front Scan Module Version:	00000000
* Rear Scan Module Version:	00000000
* Platform Version:	200502
* Firmware UID:	63cf5e63bfca24fe35de50a812218606

### New Features for Firmware 200502

1. Updates for Branding change from Alaris to Kodak
  - a. Splash screen graphic
  - b. Ready screen graphic
  - c. USB Product descriptor changed to KODAK S20X0w scanners
  - d. S2000w Internal Webpage updates

## S2000w Series Scanner Firmware Release Notes

### **Improvements for Firmware 200502:**

1. none

### **Known Issues:**

1. SAGE-508 - When using Multiple Document Locate with Sleeve scanning that is the documents are placed in the sleeve such that two documents are in the same horizontal plane in the sleeve that the front and rear images may not be matched properly. The workaround is to place the documents such that they are not in the same horizontal plane in the sleeve.
2. SAGE-764 – A4/Legal Flatbed with Multiple Document Locate. Depending on the how the document is placed relative to Skew to the platen camera some boarder may be left around the resulting images
3. SAGE-766 – A4/Legal Flatbed auto cropping with dark green documents at 600 DPI can leave black boarders on the image.

### **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.

Any customer using Apple Ios Mobile application for S2000w scanner, running firmware v180603, that is upgraded to v181005 or later requires an uninstall and reinstall of the mobile app on the phone for it to work. Changes were made in v181005 to version the api/scanner/capabilities command to revert version 1 of the capabilities and add a v2. v1 is the default accessed via api/scanner/capabilities or api/scanner/capabilities?V1. The newer capabilities command in v181201 or later is accessed via api/scanner/capabilities?V2

## S2000w Series Scanner Firmware Release Notes

### Firmware Version 200201 Summary

**Purpose of Release:** This is the updated release of the firmware for the S2060w and S2080w as a general release

**Date:** February 13, 2020

**Recommended Host Driver Version:**

S2000w Driver Installation Disk Version: 3.16.2

**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-sage-sagemid-release-200201.rootfs.tar.sig](#) file.
- 6) Click on the start firmware update button
- 7) Wait for firmware update to complete

Options #2) If the S2000w 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 [s2000w\\_200201\\_Installer.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:	19.0.0
* IPC Version:	200201 Release (IpcApp)
* SMC Version:	00000b SMC Dev Feb 13 2020 12:18:36
* SPC Version:	190201 Release (Spc0)
* DSP Version:	06072400
* DSP Build:	5cb7a608
* Front Scan Module Version:	00000000
* Rear Scan Module Version:	00000000
* Platform Version:	200201
* Firmware UID:	63cf5e63bfca24fe35de50a812218606

### New Features for Firmware 200201

1. none

### Improvements for Firmware 200201:

1. SAGE-1598: Addressed a problem where when the S2000w is being shared with multiple PCs on the network that the start of scan would take 40 or more seconds.

## S2000w Series Scanner Firmware Release Notes

### **Known Issues:**

1. SAGE-508 - When using Multiple Document Locate with Sleeve scanning that is the documents are placed in the sleeve such that two documents are in the same horizontal plane in the sleeve that the front and rear images may not be matched properly. The workaround is to place the documents such that they are not in the same horizontal plane in the sleeve.
2. SAGE-764 – A4/Legal Flatbed with Multiple Document Locate. Depending on the how the document is placed relative to Skew to the platen camera some boarder may be left around the resulting images
3. SAGE-766 – A4/Legal Flatbed auto cropping with dark green documents at 600 DPI can leave black borders on the image.

### **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.

Any customer using Apple Ios Mobile application for S2000w scanner, running firmware v180603, that is upgraded to v181005 or later requires an uninstall and reinstall of the mobile app on the phone for it to work. Changes were made in v181005 to version the api/scanner/capabilities command to revert version 1 of the capabilities and add a v2. v1 is the default accessed via api/scanner/capabilities or api/scanner/capabilities?V1. The newer capabilities command in v181201 or later is accessed via api/scanner/capabilities?V2



## S2000w Series Scanner Firmware Release Notes

### Firmware Version 190903 Summary

**Purpose of Release:** This is the updated release of the firmware for the S2060w and S2080w as a general release

**Date:** September 17, 2019

**Recommended Host Driver Version:**

S2000w Driver Installation Disk Version: 3.11

**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-sage-sagemid-release-190903.rootfs.tar.sig](#) file.
- 6) Click on the start firmware update button
- 7) Wait for firmware update to complete

Options #2) If the S2000w 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 [s2000w\\_190903\\_Installer.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:	19.0.0
* IPC Version:	190903 Release (IpcApp)
* SMC Version:	00000b SMC Dev Sep 17 2019 12:01:30
* SPC Version:	190201 Release (Spc0)
* DSP Version:	06072400
* DSP Build:	5cb7a608
* Front Scan Module Version:	00000000
* Rear Scan Module Version:	00000000
* Platform Version:	190903
* Firmware UID:	63cf5e63bfca24fe35de50a812218606

### New Features for Firmware 190903:

1. Updates to WEBAPI interface.
  - o Changes were made in v190903 to version the api/scanner/capabilities command to revert version 1 of the capabilities and add a v2. v1 is the default accessed via api/scanner/capabilities or api/scanner/capabilities?V1. The newer capabilities command in v181005 or later is accessed via api/scanner/capabilities?V2
  - o Download the updated WEBAPI Integrators Kit for all the details.
2. SAGE-1347– Support Energy Star 3.0 standard. Change maximum allowable timeout for Power saver to 120 minutes.

## S2000w Series Scanner Firmware Release Notes

### **Improvements from Firmware 190405:**

1. SAGE-1459 – Scanmate+ from iPhone X device generates "cannot establish the connection to scanner error code: 406"
  - Any customer using Apple iOS Mobile application for S2000w scanner that has connected to a scanner which has firmware between versions 181005 and 190405 will require an uninstall and reinstall of the mobile app on the phone for it to work with firmware 190903. Please ensure that the scanner firmware is at version 190903.
2. Addresses issue with Scanmate+ app on Android devices interfacing to S2000w scanners with firmware versions between 181005 and 190405.
  - May require the mobile application to be removed and reinstalled after the scanner is updated to firmware 190903

### **Known Issues:**

1. SAGE-508 - When using Multiple Document Locate with Sleeve scanning that is the documents are placed in the sleeve such that two documents are in the same horizontal plane in the sleeve that the front and rear images may not be matched properly. The workaround is to place the documents such that they are not in the same horizontal plane in the sleeve.
2. SAGE-764 – A4/Legal Flatbed with Multiple Document Locate. Depending on how the document is placed relative to Skew to the platen camera some boarder may be left around the resulting images
3. SAGE-766 – A4/Legal Flatbed auto cropping with dark green documents at 600 DPI can leave black borders on the image.

### **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.

Any customer using Apple iOS Mobile application for S2000w scanner, running firmware v180603, that is upgraded to v181005 or later requires an uninstall and reinstall of the mobile app on the phone for it to work. Changes were made in v181005 to version the api/scanner/capabilities command to revert version 1 of the capabilities and add a v2. v1 is the default accessed via api/scanner/capabilities or api/scanner/capabilities?V1. The newer capabilities command in v181201 or later is accessed via api/scanner/capabilities?V2

## S2000w Series Scanner Firmware Release Notes

### Firmware Version 190405 Summary

**Purpose of Release:** This is the updated release of the firmware for the S2060w and S2080w as a general release

**Date:** June 5, 2019

**Recommended Host Driver Version:**

S2000w Driver Installation Disk Version: 1.19.00

**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-sage-sagemid-release-190405.rootfs.tar.sig](#) file.
- 6) Click on the start firmware update button
- 7) Wait for firmware update to complete

Options #2) If the S2000w 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 [s2000w\\_190405\\_Installer.exe](#).

- 1) Execute 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**

<b>Name</b>	<b>Versions</b>
* FPGA Version:	19.0.0
* IPC Version:	190404 Release (IpcApp)
* SMC Version:	00000b SMC Dev
* SPC Version:	190201 Release (Spc0)
* DSP Version:	06072400
* DSP Build:	5cb7a608
* Front Scan Module Version:	00000000
* Rear Scan Module Version:	00000000
* Platform Version:	190405
* Firmware UID:	63cf5e63bfca24fe35de50a812218606

**New Features from Firmware 181201:**

1. none

**Improvements from Firmware 181201:**

1. SAGE-1331 – Decrease time from scan begin to first paper movement. (Approximately 1.2 seconds)

**Known Issues:**

1. SAGE-508 - When using Multiple Document Locate with Sleeve scanning that is the documents are placed in the sleeve such that two documents are in the same horizontal plane in the sleeve that the front and rear

## S2000w Series Scanner Firmware Release Notes

images may not be matched properly. The workaround is to place the documents such that they are not in the same horizontal plane in the sleeve.

2. SAGE-764 – A4/Legal Flatbed with Multiple Document Locate. Depending on the how the document is placed relative to Skew to the platen camera some boarder may be left around the resulting images
3. SAGE-766 – A4/Legal Flatbed auto cropping with dark green documents at 600 DPI can leave black borders on the image.

**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.

## S2000w Series Scanner Firmware Release Notes

### Firmware Version 181201 Summary

**Purpose of Release:** This is the updated release of the firmware for the S2060w and S2080w as a general release

**Date:** December 6, 2018

**Recommended Host Driver Version:**

S2000w Driver Installation Disk Version: 1.19.00

**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-sage-sagemid-release-181201.rootfs.tar.sig](#) file.
- 6) Click on the start firmware update button
- 7) Wait for firmware update to complete

Options #2) If the S2000w 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 [s2000w\\_181201\\_Installer.exe](#).

- 1) Execute 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**

<b>Name</b>	<b>Versions</b>
* FPGA Version:	19.0.0
* IPC Version:	181201 Release (IpcApp)
* SMC Version:	00000b SMC Dev Jun 28 2018 17:26:48
* SPC Version:	180601 Release (Spc0)
* DSP Version:	06072200
* DSP Build:	5c081f37
* Front Scan Module Version:	00000000
* Rear Scan Module Version:	00000000
* Platform Version:	181201
* Firmware UID:	63cf5e63bfca24fe35de50a812218606

**New Features from Firmware 181005:**

1. Added NumImagesScanned and changed NumImagesStored when using the RESTful (WEB) API interface

**Improvements from Firmware 181005:**

1. SAGE-1248 - OCP shows portion of scroll bar control on screen
2. SAGE-964 – A3 Flatbed Live Preview Cropping Issue

**Known Issues:**

1. SAGE-508 - When using Multiple Document Locate with Sleeve scanning that is the documents are placed in the sleeve such that two documents are in the same horizontal plane in the sleeve that the front and rear

## S2000w Series Scanner Firmware Release Notes

images may not be matched properly. The workaround is to place the documents such that they are not in the same horizontal plane in the sleeve.

2. SAGE-764 – A4/Legal Flatbed with Multiple Document Locate. Depending on the how the document is placed relative to Skew to the platen camera some boarder may be left around the resulting images
3. SAGE-766 – A4/Legal Flatbed auto cropping with dark green documents at 600 DPI can leave black borders on the image.

**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.

## S2000w Series Scanner Firmware Release Notes

### Firmware Version 181005 Summary

**Purpose of Release:** This is the updated release of the firmware for the S2060w and S2080w as a general release

**Date:** October 18, 2018

**Recommended Host Driver Version:**

S2000w Driver Installation Disk Version: 1.19.00

**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-sage-sagemid-release-181005.rootfs.tar.sig](#) file.
- 6) Click on the start firmware update button
- 7) Wait for firmware update to complete

Options #2) If the S2000w 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 [s2000w\\_181005\\_Installer.exe](#).

- 1) Execute 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**

<b>Name</b>	<b>Versions</b>
* FPGA Version:	19.0.0
* IPC Version:	181004 Release (IpcApp)
* SMC Version:	00000b SMC Dev Jun 28 2018 17:26:48
* SPC Version:	180601 Release (Spc0)
* DSP Version:	06072000
* DSP Build:	5bc682f7
* Front Scan Module Version:	00000000
* Rear Scan Module Version:	00000000
* Platform Version:	181005
* Firmware UID:	63cf5e63bfca24fe35de50a812218606

**New Features from Firmware 180603:**

1. Support for Passport Flatbed Catalog number 1029792
2. SAGE-1085 – Add more features to be controlled through WEBAPI. Go to the internal webpage of the scanner for the new features, <http://<scannerIP>/api/scanner/capabilities>
3. Decrease total scan and image processing time when using flatbeds
4. SNMP is disabled by default. If required contact support.

**Improvements from Firmware 180603:**

1. SAGE-908 - Barcode read changes so that a barcode read on i2820 is also read on S2000w
2. SAGE-1025 –WEBAPI interface can have an Internal: server error: 500.

## S2000w Series Scanner Firmware Release Notes

3. SAGE-702 – Automatic Cropping with A3 Flatbed. Depends on where the document is placed on the platen of the A3 flatbed.

### **Known Issues:**

1. SAGE-508 - When using Multiple Document Locate with Sleeve scanning that is the documents are placed in the sleeve such that two documents are in the same horizontal plane in the sleeve that the front and rear images may not be matched properly. The workaround is to place the documents such that they are not in the same horizontal plane in the sleeve.
2. SAGE-764 – A4/Legal Flatbed with Multiple Document Locate. Depending on the how the document is placed relative to Skew to the platen camera some boarder may be left around the resulting images
3. SAGE-766 – A4/Legal Flatbed auto cropping with dark green documents at 600 DPI can leave black boarders on the image.

### **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.



## S2000w Series Scanner Firmware Release Notes

### Firmware Version 180603 Summary

**Purpose of Release:** This is the updated release of the firmware for the S2060w and S2080w that addresses an issue which was introduced with firmware 180503.

**Date:** June 28, 2018

**Recommended Host Driver Version:**

S2000w Driver Installation Disk Version: 1.19.00

**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-sage-sagemid-release-180603.rootfs.tar.sig](#) file.
- 6) Click on the start firmware update button
- 7) Wait for firmware update to complete

Options #2) If the S2000w 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 [s2000w\\_180603\\_Installer.exe](#).

- 1) Execute 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**

<b>Name</b>	<b>Versions</b>
* FPGA Version:	19.0.0
* IPC Version:	180110 Release (IpcApp)
* SMC Version:	00000b SMC Dev Jun 28 2018 17:26:48
* SPC Version:	171101 Release (Spc0)
* DSP Version:	06070800
* DSP Build:	5a5915af
* Front Scan Module Version:	00000000
* Rear Scan Module Version:	00000000
* Platform Version:	180603
* Firmware UID:	63cf5e63bfca24fe35de50a812218606

**New Features from Firmware 180503:**

1. None.

**Improvements from Firmware 180503:**

1. SAGE-981 "UDDS calibration failed" occurred while initiating scan.

**Known Issues:**

1. SAGE-508 - When using Multiple Document Locate with Sleeve scanning that is the documents are placed in the sleeve such that two documents are in the same horizontal plane in the sleeve that the front and rear

## S2000w Series Scanner Firmware Release Notes

images may not be matched properly. The workaround is to place the documents such that they are not in the same horizontal plane in the sleeve.

2. SAGE-702 – Automatic Cropping with A3 Flatbed. Depending on where the document is placed on the platen of the A3 flatbed, Auto Cropping may leave black borders on the image
3. SAGE-764 – A4/Legal Flatbed with Multiple Document Locate. Depending on the how the document is placed relative to Skew to the platen camera some boarder may be left around the resulting images
4. SAGE-766 – A4/Legal Flatbed auto cropping with dark green documents at 600 DPI can leave black borders on the image.

**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.

## S2000w Series Scanner Firmware Release Notes

### Firmware Version 180503 Summary

**Purpose of Release:** This is the updated release of the firmware for the S2060w and S2080w that adds support for a mechanical part change to the latch hooks for improved separation roller tire wear.

**Date:** May 03, 2018

**Recommended Host Driver Version:**

S2000w Driver Installation Disk Version: 1.19.00

**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-sage-sagemid-release-180503.rootfs.tar.sig](#) file.
- 6) Click on the start firmware update button
- 7) Wait for firmware update to complete

Options #2) If the S2000w 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 [s2000w\\_180503\\_Installer.exe](#).

- 1) Execute 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**

<b>Name</b>	<b>Versions</b>
* FPGA Version:	17.0.0
* IPC Version:	180108 Release (IpcApp)
* SMC Version:	00000b SMC Dev May 2 2018 12:56:22
* SPC Version:	171101 Release (Spc0)
* DSP Version:	06070800
* DSP Build:	5a5915af
* Front Scan Module Version:	00000000
* Rear Scan Module Version:	00000000
* Platform Version:	180503
* Firmware UID:	63cf5e63bfca24fe35de50a812218606

**New Features from Firmware 180306:**

1. None.

**Improvements from Firmware 180306:**

1. SAGE-841 Change paper no paper signal level to support latch hook part changes for improvement in separation roller tire wear.

**Known Issues:**

1. SAGE-508 - When using Multiple Document Locate with Sleeve scanning that is the documents are placed in the sleeve such that two documents are in the same horizontal plane in the sleeve that the front and rear

## S2000w Series Scanner Firmware Release Notes

images may not be matched properly. The workaround is to place the documents such that they are not in the same horizontal plane in the sleeve.

2. SAGE-702 – Automatic Cropping with A3 Flatbed. Depending on where the document is placed on the platen of the A3 flatbed, Auto Cropping may leave black borders on the image
3. SAGE-764 – A4/Legal Flatbed with Multiple Document Locate. Depending on the how the document is placed relative to Skew to the platen camera some boarder may be left around the resulting images
4. SAGE-766 – A4/Legal Flatbed auto cropping with dark green documents at 600 DPI can leave black borders on the image.

**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.

## S2000w Series Scanner Firmware Release Notes

### Firmware Version 180306 Summary

**Purpose of Release:** This is the updated release of the firmware for the S2050 and S2070 that adds support for the SmartTouch scanning application. The system is required to be updated to Firmware 180306 and Host CD V 1.19.00 for use with the Smart Touch scanning application.

**Date:** March 26, 2018

**Recommended Host Driver Version:**

S2000 Driver Installation Disk Version: 1.19.00

**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 \*.sig file.
- 6) Click on the start firmware update button
- 7) Wait for firmware update to complete

Options #2) If the S2000w 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 s2000w\_180306\_Installer.exe.

- 1) Execute 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**

	<b>Name</b>	<b>Versions</b>
*	FPGA Version:	15.0.0
*	IPC Version:	180106
*	SMC Version:	00000b SMC Dev Mar 22 2018
*	SPC Version:	171101 Release (Spc0)
*	DSP Version:	06070800
*	DSP Build:	5a5915af
*	Front Scan Module Version:	00000000
*	Rear Scan Module Version:	00000000
*	Platform Version:	180306
*	Firmware UID:	63cf5e63bfca24fe35de50a812218606

**New Features from Firmware 180105:**

1. Add support for Smart Touch application.
2. SAGE-767 – Add alteration to allow scanner Reset through the OCP to be disabled.

**Improvements from Firmware 180105:**

1. SAGE-765 – Addressed that when scanning with an A3 flatbed for more than 38 consecutive scans the machine would require a power cycle

## S2000w Series Scanner Firmware Release Notes

### **Known Issues:**

1. SAGE-508 - When using Multiple Document Locate with Sleeve scanning that is the documents are placed in the sleeve such that two documents are in the same horizontal plane in the sleeve that the front and rear images may not be matched properly. The workaround is to place the documents such that they are not in the same horizontal plane in the sleeve.
2. SAGE-702 – Automatic Cropping with A3 Flatbed. Depending on where the document is placed on the platen of the A3 flatbed, Auto Cropping may leave black borders on the image
3. SAGE-764 – A4/Legal Flatbed with Multiple Document Locate. Depending on the how the document is placed relative to Skew to the platen camera some boarder may be left around the resulting images
4. SAGE-765 – A3 flatbed, after 38 Color Perfect Page scans, the scan failed due to no more memory being available. A power cycle is required.
5. SAGE-766 – A4/Legal Flatbed auto cropping with dark green documents at 600 DPI can leave black borders on the image.

### **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.

### **Changing a machine between single and multiple PC modes.**

When a machine is set to single PC mode the first computer to connect on the network will be only computer allowed to scan with a TWAIN or ISIS application through a network connection. If multiple computers have previously been connected to the scanner and the drivers are still installed on those computers when a scanner is changed from multiple to single PC mode, the first computer to successfully connect to the scanner (happens automatically with KAScannerService running on the computer) through the network will become the single PC allowed to scan with that scanner.

## S2000w Series Scanner Firmware Release Notes

### Firmware Version 180105 Summary

**Purpose of Release:** This is the updated release of the firmware for the S2060w and S2080w that add support for the A4/Legal flatbed accessory, Digital stamping feature and address problem reports

**Date:** January 19, 2018

**Recommended Host Driver Version:**

S2000w Driver Installation Disk Version: 01.18.00

**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 \*.sig file.
- 6) Click on the start firmware update button
- 7) Wait for Firmware update to complete

Options #2) If the S2000w 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 s2000w\_180105\_Installer.exe.

- 1) Execute 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**

	<b>Name</b>	<b>Versions</b>
*	FPGA Version:	15.0.0
*	IPC Version:	180103
*	SMC Version:	00000a SMC Dev Jan 15 2018 11:18:55
*	SPC Version:	171101 Release (Spc0
*	DSP Version:	06070800
*	DSP Build:	5a5915af
*	Front Scan Module Version:	00000000
*	Rear Scan Module Version:	00000000
*	Platform Version:	180105

**New Features from Firmware 171002:**

1. Add support for A4/Legal flatbed accessory
2. Add support for Digital Stamping feature

**Improvements from Firmware 171002:**

1. SAGE-648 - If an ADF Magnification Correction factor is used this will also impact Flatbed images which are captured
2. SAGE-747 – add support for CORS when integration uses RESTful (WEB) API.

## S2000w Series Scanner Firmware Release Notes

3. SAGE-704 – Address multiple USB connectivity issues due to host computers not following USB protocol standards
4. SAGE-729 - Fail to update Scanner PIN in scanner OCP when connected via USB connection with Info Input Express LE
5. SAGE-546 – Add diagnostic on component tab for stat of passport flatbed switch
6. SAGE-647 – Updated kodakalaris.com web links for internal setup webpages
7. SAGE-347 – Intermittent REFEEED document error when adding paper to start batch

### **Known Issues:**

1. SAGE-508 - When using Multiple Document Locate with Sleeve scanning that is the documents are placed in the sleeve such that two documents are in the same horizontal plane in the sleeve that the front and rear images may not be matched properly. The workaround is to place the documents such that they are not in the same horizontal plane in the sleeve.
2. SAGE-702 – Automatic Cropping with A3 Flatbed. Depending on where the document is placed on the platen of the A3 flatbed, Auto Cropping may leave black borders on the image
3. SAGE-764 – A4/Legal Flatbed with Multiple Document Locate. Depending on the how the document is placed relative to Skew to the platen camera some boarder may be left around the resulting images
4. SAGE-765 – A3 flatbed, after 38 Color Perfect Page scans, the scan failed due to no more memory being available. A power cycle is required.
5. SAGE-766 – A4/Legal Flatbed auto cropping with dark green documents at 600 DPI can leave black borders on the image.

### **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.

### **Changing a machine between single and multiple PC modes.**

When a machine is set to single PC mode the first computer to connect on the network will be only computer allowed to scan with a TWAIN or ISIS application through a network connection. If multiple computers have previously been connected to the scanner and the drivers are still installed on those computers when a scanner is changed from multiple to single PC mode, the first computer to successfully connect to the scanner (happens automatically with KAScannerService running on the computer) through the network will become the single PC allowed to scan with that scanner.



## S2000w Series Scanner Firmware Release Notes

### Firmware Version 171002 Summary

**Purpose of Release:** This is the initial release of firmware for the S2050 and S2070

**Date:** October 27, 2017

**Recommended Host Driver Version:**

S2000w Driver Installation Disk Version: 01.13.00

**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 \*.sig file.
- 6) Click on the start firmware update button
- 7) Wait for Firmware update to complete

Options #2) If the S2000w scanner is USB connected and the drivers are installed on the host computer. Use s2000w\_171002\_Installer.exe to update the firmware

**Embedded Firmware subsystems**

	<b>Name</b>	<b>Versions</b>
*	FPGA Version:	13.0.0
*	IPC Version:	171002
*	SMC Version:	00000b SMC
*	SPC Version:	170902
*	DSP Version:	06070200
*	DSP Build:	59cbe22e
*	Front Scan Module Version:	00000000
*	Rear Scan Module Version:	00000000
*	Platform Version:	171002

**New Features from Firmware 171002:**

1. initial release of firmware

**Improvements from Firmware 171002:**

1. initial release of firmware

**Known Issues:**

1. SAGE-508 - When using Multiple Document Locate with Sleeve scanning that is the documents are placed in the sleeve such that two documents are in the same horizontal plane in the sleeve that the front and rear images may not be matched properly. The workaround is to place the documents such that they are not in the same horizontal plane in the sleeve.
2. SAGE-648 - If an ADF Magnification Correction factor is used this will also impact Flatbed images which are captured

**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.