

AJA FS2 – Release Notes v2.1.3 & v3.0.4

Firmware for FS2

Introduction

FS2 firmware v2.1.3 and v3.0.4 are maintenance releases that improve network security. It is highly recommended that you update firmware to avoid any potential issues.

Be sure to consult the Installation and Operation Guide (user manual) for detailed information about features and configuration guidelines. The most current documentation can always be found on the [FS2 Support page](#).

Fixes, Changes and Improvements in v2.1.3 & v3.0.4

- Updates jQuery to improve network security
- Other performance enhancements and security fixes

Features, Fixes, Changes and Improvements in Prior Releases

v2.1.2 & v3.0.3

- Expands set of conversions that support pass-through of Closed Captioning ancillary data.

v2.1.1 & v3.0.2

- Fixes an issue where a large input signal on the analog video Y/G component input can interfere with using this input for reference.

v2.1.1.5 & v3.0.1

- Fixes a potential video artifact when using 1080i SDI or HDMI video source.

v2.1.1.3

- Fixed embedded audio issue in 3G Level B, 1080p50, 59.94, 60.
- Revised filtering to remove vertical lines on left and right sides of active video when RGB color corrector is active.
- Revised filtering for improved image sharpness, for some aspect ratios, on video down-converted to 525i-59.94.

- Output format now follows mapping on Video page even if System page has not been visited.
- Audio delay parameters are now properly hidden for ch. 9-16 when Dolby Framer is on.
- Web UI now loads in 10.9 Mavericks and Safari 7.0.
- Super black is now properly maintained by RGB legalizer.
- 525 SDI and composite Closed Captioning is now properly maintained when using caption translator.
- Context menu (right click) 'Reset to Factory' now working for SNMP trap destinations 1/2 on Config page.

Firmware Bundle Notes

- For this release, the FS2 firmware zip file includes two .bin firmware files; v2.x.x.x and v3.x.x.x.
 - use v2.x.x.x firmware for FS2 serial numbers in the 1FF000500-1FF009999 range.
 - use v3.x.x.x firmware for FS2 serial numbers 1FF010000 and above.

<u>FS2 Serial Number</u>	<u>FS2 Firmware Version</u>
1FF000500-1FF009999	v2.x.x.x
1FF010000 and above	v3.x.x.x

- For more information please refer to the FS2 manual.
- If an update is attempted using the incorrect firmware file, the following message will be displayed:
"Firmware Failed Verification".

Initial Setup, Control and Updating Firmware

Although the FS2 comes from the factory pre-installed with software, it may not be as up-to-date as software posted on our AJA website. The following sections describe the steps required to upgrade the software in your AJA FS2.

Download the Latest FS2 Software

Current and past releases of FS2 software are available on AJA's website. To get the software, point your browser to: <https://www.aja.com/products/fs2#support>.

Select the FS2 from the list of devices. Once you see the update page, FS2 software files can be selected for downloading to your Mac or PC for upgrading your local FS2 machine.

Unpack the Software

FS2 software update files are "ZIP" files, which you can open with a number of standard and third party uncompressor applications. The software image that you'll install on the FS2 is a file with a name like

fs2_ver_2.0.0.26.bin or similar. Depending on your Mac or Windows operating system settings, the “.bin” extension may not be visible to you in a file directory.

In the archive there will be a README.TXT file. Please open and read the file so you will be aware of any updates or information that did not get in the manual or release notes.

Uploading and Installing the Software to the FS2

Uploading and installing the software update only requires a macOS or Windows computer that can “see” the FS2 via its ethernet connection. Follow this procedure to install the software:

- Point your browser at the FS2's upgrade page by clicking on the “Firmware” menu link at the bottom of the navigation box on the left-hand side of any FS2 web page. The FS2 web pages are discussed in the FS2 User Manual.
- Click the “Browse...” button to select the file you previously downloaded. For example: fs2_ver_2.0.0.26.bin contained in the zip file downloaded from AJA.
 - use v2.x.x.x firmware for FS2 serial numbers in the 1FF000000-1FF000999 range.
 - use v3.x.x.x firmware for FS2 serial numbers 1FF001000 and above.

<u>FS2 Serial Number</u>	<u>FS2 Firmware Version</u>
1FF000000-1FF000999	v2.x.x.x
1FF001000 and above	v3.x.x.x

- After you have selected a valid FS2 image file, click the “OK” button in the “Upload Firmware” prompt. The file you select will upload to the FS2 and be tested for validity. Incomplete, corrupted, or non-FS2 software files are rejected.
- Click “Commit Uploaded Firmware” on the FS2 Update Firmware web page after the upload is finished.
- Wait for the procedure to complete—it will take only a few minutes. When done, the FS2 Update Firmware web page will prompt you to restart your FS2. Click the “Restart FS2 with New Firmware” button to begin the restart. Restart progress is shown on the front panel of the FS2 only. After the restart completes, the FS2 front panel “Status” menu is displayed, and the FS2 will be running the new software.
- Once these steps are complete, the FS2 will be running the software you just uploaded until the next time you upgrade it. The configuration of the FS2 prior to the upgrade will be preserved. Ensure the new software is running by bringing up the FS2 web page again; the software version is displayed at the top of all FS2 web screens. If for some rare reason it didn't update, you can then run through the update steps again.

Important Note: If there is a power outage or glitch during the software download, the FS2 will boot the older version and the upgrade process can then be re-started by the user. This happens because the FS2 has been designed with a safety feature where an internal “safe” copy of the previous software is retained in the event the updating process fails.

Technical Support

AJA Technical Support is free and available to help you answer questions or resolve issues with any of your AJA products.

To contact AJA Technical Support:

Email: support@aja.com

Phone: +1-530-271-3190

Fax: +1-530-274-9442

Web: <https://www.aja.com/support/contact>

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