



Release Notes—Version 1.1.0.4

In this Release

This release is recommended for all FS2 users. It adds features, improves operation and fixes issues present in the earlier release version 1.0.0.12.

Features

- Support provided for Dolby E Decoding via the optional Dolby Decoder option card. If a Dolby E Decoder option card is present, you can assign audio from the decoder to various channels within the FS2 (parameter 15 through 18).
- Support provided for a second composite video in and out via the component video input and output connectors (System menu group, parameter 1 and 2).
- A new parameter has been provided for additional video delay (14.1). Output timing can now be adjusted in 1 frame increments.
- Web authentication features added. When you select *Login* via the front panel parameter, you will then have to go to the browser interface to perform a login each time you access the FS2. The browser presents the login screen first, requiring you to log in before you can access any other browser screens. The password is initially set to a default value, but you can change it using the Remote browser screen.
- Added 2048x1080 (DCI 2K) conversions to/from other formats.
- Added parameters to enable/disable SNMP messaging and configure trap destinations.

Improvements

- Ancillary data now works correctly for 1080p50/60 over 3G-B SDI.
- Closed-captioning now works properly on the composite output.
- Composite downconverter now uses correct AFD mode when in “Auto AFD”.
- SDI input now correctly identifies 1080p2K 23.98.
- Passing of ancillary data improved.
- Color corrector settings now properly stored in saved Presets and “Reset to Factory”.
- 720p50 operation on component input/output improved.
- 1080p60 payload IDs are now correct.
- Simultaneous output of 3G-A and 3G-B is now possible.
- Improved handling of bad sync.
- Problem resolved with white lines appearing in or near the vertical blanking interrupt (VBI) with 625i/1080i50.
- Problem resolved with 1080psf23.98/24 component analog sync.
- Removed the “Factory Reset” parameter choice, replacing it with “Recall Preset 0”.
- Resolved a problem where there was no audio present on the FS2 output when the SDI input was set to “fiber 2”.



Installing the Latest Software

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 topics in these notes 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:

<http://www.aja.com/support/converters/converters-fs2.php>

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_1.1.0.4.bin or similar. Depending on your PC or Mac 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 PC or Mac that can “see” the FS2 via its ethernet connection. Follow this procedure to install the software:

1. 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.
2. Click the “Browse...” button to select the file you previously downloaded. For example: fs2_ver_1.1.0.4.bin contained in the zipfile downloaded from AJA.
3. 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.
4. Click “Commit Uploaded Firmware” on the FS2 Update Firmware web page after the upload is finished.

5. 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.
6. 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.