



Release Notes—KONA version 6.0.2

General

If you are installing your KONA hardware into a computer that has previously had another video capture card or drivers, we recommend running the AJA KONA Conflict Checker utility BEFORE installing the KONA software. The AJA KONA Conflict Checker will help you identify old drivers or software files that need to be removed before installing the new software. Also, please read the “ReadMeFirst.PDF” document on the installation CD, particularly if you are installing for the first time.

Installation Notes—Please Read

Note: *Version 6.0.2 is only for Final Cut Studio Version 2. Earlier Final Cut Pro versions should not use this software. Please ensure you use the correct software for your system. AJA Driver Compatibility as of KONA Version 6 software is as follows:*

- FCP 6.0.x - KONA Driver version 6.0.2 (Leopard and Tiger OS compatible version)
- FCP 6.0.x - KONA Driver versions 5.0 through 5.1 NDD (Leopard and Tiger OS compatible versions)
- FCP 6.0.x - KONA Driver version 4.0 (Tiger OS compatible version)

Also, please note that Easy Setups from earlier versions may not work properly in Final Cut Studio 2 (FCP 6).

AJA provides separate installers for each board that only install the board-specific driver for a given KONA board. Please ensure that you use the correct installer for the KONA model present in your system. If you install the wrong software, the KONA Control Panel will report “no board” due to incorrect driver installation. Also, if you should ever wish to regress to an earlier version of software, you will have to perform the following steps to ensure proper operation. *Do not try to simply run an older KONA installer over a newer version*—doing so will not properly remove the newer components and will lead to improper operation.

1. Run the KONA Uninstaller from the current installation.
2. Install the desired KONA software using its installer package.

Note: If after installing the Version 6.0.2 update, you launch Final Cut Pro and receive a warning message during its launch concerning “Quartz Extreme”—then go to the AJA Control Panel’s *Setup* Tab screen and uncheck the *Enable Desktop Display* checkbox. Next, reboot the Macintosh—this will clear the error and ensure proper operation.

New Feature—1080 VFR Support For KONA LH/LHe and KONA 3

This new feature is particularly useful for extracting 23.98 fps from a 1080i 29.97 fps HD-SDI signal such as the one provided by the Canon XH G1S.

Note: Not all models of camcorders with 1080i29.97 HD-SDI output provide the flagged frame data needed for proper operation of this feature. (KONA LH/LHe, KONA 3)



Improvements and Fixes

- Improved behavior when the external reference input does not match the selected video format—for example 525i29.97 (59.94Hz) reference and 1080i29.97 (59.94Hz) video format (KONA LH/LHe)
- Addressed a computer start-up/boot issue that could occur when the Macintosh Desktop feature was enabled in the AJA Control Panel application by creating a NDD version (no desktop display) in addition to a standard version of the driver (KONA LH/LHe)
- Improved embedded audio behavior in certain situations where reference/blackburst/house sync is used (KONA LH/LHe)
- Resolved an issue where the selected audio/video input matched the frame buffer format in the AJA Control Panel but an unselected, unmatched audio/video source was also connected and could produce dropped frames during captures (KONA LH/LHe)
- Resolved an issue where clips captured as 1080PsF23.98 Apple ProRes 422 or Apple ProRes 422 (HQ) could be incorrectly read as having a field dominance of "upper." Clips are now correctly read as having a field dominance of "none" (all KONA)

Updating KONA 3 Firmware

When you update your KONA 3 software by downloading new versions from the [aja.com](http://www.aja.com) website, it is possible that some versions may also require a firmware update to update the software stored in non-volatile memory on the board. The Version 6.0.2 KONA 3 software *does not* require an accompanying firmware update to operate the card with the new software if you are updating from version 6 (updating from earlier versions will require the firmware update).

Follow these instructions for the required firmware update:

1. First install the new version of KONA 3 software.
2. After successfully installing the new KONA 3 software, then locate the AJA Utilities folder and find the AJA KONA Firmware Updater application in the folder.
3. Double-click the AJA KONA Firmware Updater icon to run the application. When the updater starts, a welcome screen is displayed.
4. Click Continue to begin the update process. A message will be displayed asking if you're ready to install and listing the new version number. Click Install to proceed.
5. After the firmware installation completes, you'll be asked to shut down the Mac computer, wait for two seconds, and then turn it back again. Restarting the Mac will not load the new firmware—you must initiate a complete ON/ OFF power cycle to load the new firmware into the hardware.

Reverting to an Earlier Firmware Version

Under normal circumstances you should never need to revert to an earlier firmware version since they are tied to driver versions. The only case would be if you wished to back your KONA driver software to an earlier version that ran under earlier firmware. For example, Version 6 KONA software drivers requires a new firmware version, that once installed prevents you from running pre-Version 6 KONA software. If you decide to roll back to pre-Version 6, you'll have to first revert the firmware to the previous 32-bit Firmware used with those versions.

Fortunately, this is easy to do using the same updater used to update it. As in the Firmware Update procedure, go through steps 1 through 4. Then when you get to the Install screen, click on the box marked "Revert to 32 Bit DMA Firmware" and then click on the Install button. The older firmware will be installed and then you'll be asked to shut down the Mac computer, wait for two seconds, and then turn it back again—just as you did when you originally installed it. As before, you must initiate a complete ON/OFF power cycle to load changed firmware into the hardware.

Recommended Configuration for Mac Computers

For information on Mac computer slot configuration for KONA cards, please visit the following page on the AJA website: http://www.aja.com/html/support_kona_rec_sys.htm



www.aja.com - main phone: 530.274.2048 - tech support: 530.271.3190