

Release Notes—KONA 3/2, LH/LHe, & LS/LSe Version 3.2 Universal Binary



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

As of Version 3, 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 (version 3).
2. Install the older KONA software using its installer package.



New Features

- SD to SD aspect ratio conversions—allows anamorphic SD to be played or captured as letterboxed SD and vice versa (KONA 2 and KONA 3)
- 720p25 Varicam support added—requires Final Cut Pro 5.1.2 or higher for DVCPro 720p50 support (all KONAs except LS/LSe)
- 720p23.98 hardware based capture support (using 1080psf 23.98 to 720p23.98 Cross Conversion, KONA 3-only)
- Added support for little endian captures in Log RGB and RGB codecs
- Added support for capture to SD IMX50Mbps compression in NTSC and PAL
- New Easy Setups added:
 - 720P 25 10 bit Varicam (KONA LH, KONA 2 and KONA 3 cards)
 - 720P 25 8 bit Varicam (KONA LH, KONA 2 and KONA 3 cards)
 - 720P 25 DVCProHD Varicam (KONA LH, KONA 2 and KONA 3 cards)
 - 720P 23.98 10 bit (to be used with 1080PsF 23.98 cross-conversion function from KONA Control Panel application - KONA 3 only)
 - 720P 23.98 8 bit (to be used with 1080PsF 23.98 cross-conversion function from KONA Control Panel application - KONA 3 only)
 - 720P 23.98 DVCProHD (to be used with 1080PsF 23.98 cross-conversion function from KONA Control Panel application - KONA 3 only)

Note: these new 720P 23.98 Easy Setups should not be confused with the 720P 23.98 Varicam Easy Setups that are designed to capture 23.98fps from 59.94 Panasonic Varicam footage.

- NTSC 8 Bit to IMX/50Mb (All KONA cards)
- PAL 8 Bit to IMX/50Mb (All KONA cards)

Improvements and Fixes

- Mouse no longer locks up during bitfile switches when KONA card is placed in a slot other than 3.
- Fixed a bug that could result in a crash when importing Motion clips into Final Cut Pro.
- Fixed "Lock Input Audio Gain to Unity" checkbox in the Control Panel so that it performs as intended on Intel Macs.
- Removed "Limit Output Video to Legal Values" checkbox in KONA Control Panel due to inconsistent behavior and perception as a broadcast safe filter.
- Audio Channel Mapping in KONA Control Panel now allows any of the 16 paired channels of embedded audio to be mapped to any other paired channel (KONA 3 only).
- A KonaTV display of SD 23.98 now defaults to SD 29.97 and will properly display on a monitor.



PCIe Slot Configuration and Firmware Notes for Mac Pro Computers

The default Apple factory configuration of PCIe slots in a Mac Pro has slot 4 set as an x4 lane, slot 3 as an x4 lane, slot 2 as an x1 lane and slot 1 as an x16 lane. Place the KONA card in any x4 lane slot and configure the Expansion Slot Utility as shown in the screen that follows (next page). For a detailed explanation on how slots can be configured in a Mac Pro, users should visit the following Apple website and its associated links: http://developer.apple.com/documentation/Hardware/Conceptual/HWtech_PCI/Articles/pci_implementation.html#/apple_ref/doc/uid/TP40003937-DontLinkElementID_3

If you are unsure of the slot configuration as used in your machine, it can be determined by using the *The Expansion Slot Utility*, found in the following directory location on your Mac Pro: */System/Library/CoreServices*. Occasionally, users may purchase a Mac Pro and find that the slots are not configured to the standard factory defaults; checking the configuration with the Expansion Slot Utility allows you to verify the setting is as desired (sample screen shown below). For optimum performance when using a Mac Pro tower, AJA strongly recommends users download and run the Mac Pro EFI Firmware Update 1.0 or the latest version of Mac Pro EFI Firmware. The Mac Pro EFI Firmware Update 1.0, along with appropriate instructions, can be found at this URL: <http://www.apple.com/support/downloads/macproefifirmwareupdate10.html>

