Release Notes—KONA 3/2, LH/LHe, & LS/LSe Version 3 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.

PCIe Slot Configuration Notes for Mac Pro Computers

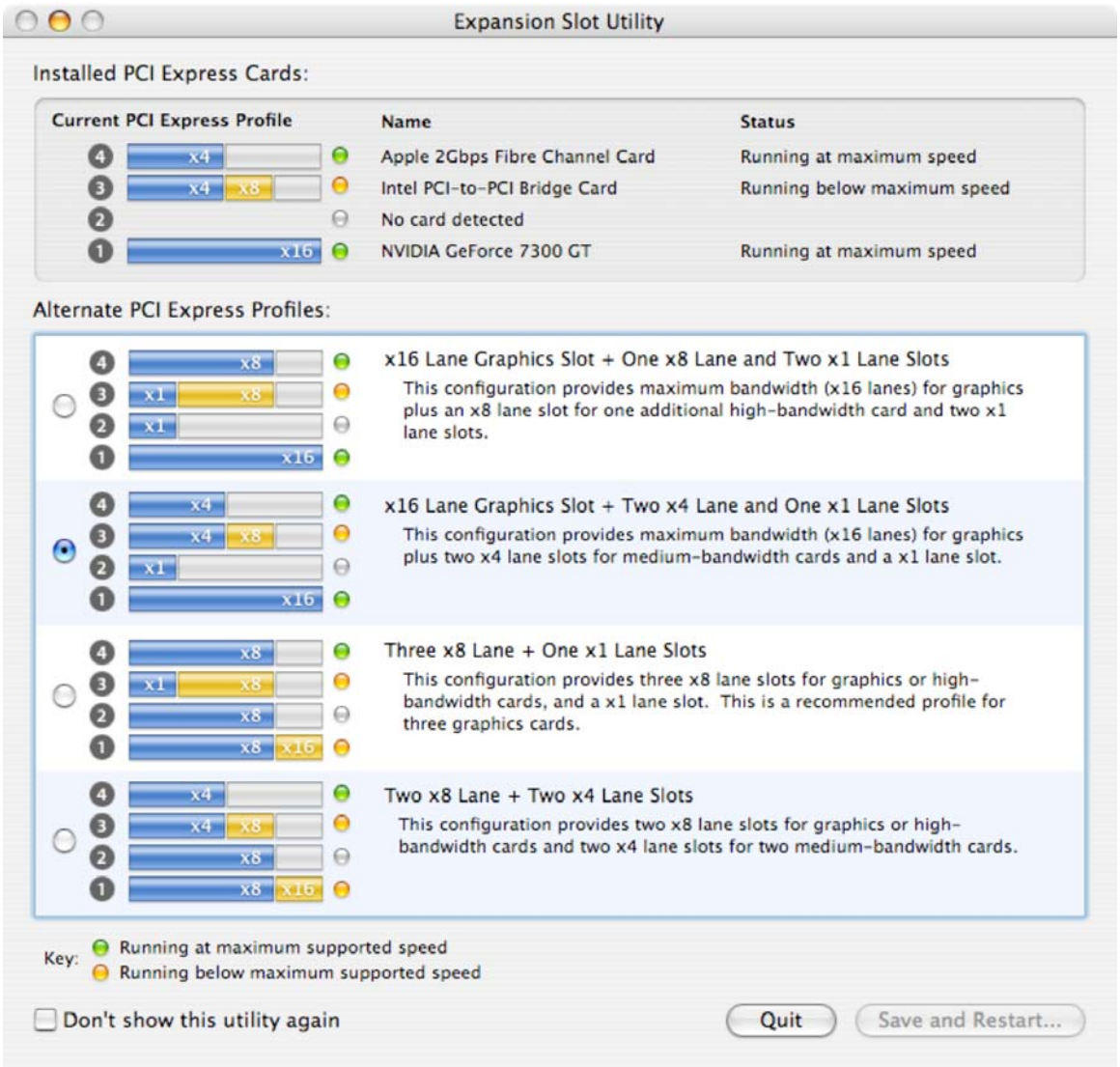
The default Apple factory configuration of PCIe slots in a Mac Pro has slot 4 set as a x4 lane, slot 3 as a x4 lane, slot 2 as a x1 lane and slot 1 as a x16 lane. For proper operation, place the KONA card in slot 3 and your HBA card (RAID controller) in slot 4 of the Mac Pro machines.

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

— *More* —

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).



— *More* —

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New Features and Fixes

All KONAs (KONA LS/LSe, LH/LHe, KONA 3, and KONA 2)

- Universal Binary build of KONA software, supports new Intel-based Mac Pro Desktop computers. A maximum of 2GB of system RAM is currently supported.



- DPXtoQuicktime and QuicktimeToDPX utilities are now included as part of the standard installation. They are put in the “Kona Utilities” folder automatically at installation.
- QuickTime codec playback support expanded to include QuickTime files in the Avid (DV and Meridien) codecs. *Please note:* these codecs are not included in the AJA installer package; you must supply them on your own. For playback of Avid Meridien codec QuickTime media, you must explicitly set the video output to RGB mode. Avid QuickTime codec support is for playback of previously encoded media and does not mean that the KONA card can be used as a capture card for any type of software-only version of Avid.
- Ability to set Color Range tags in DPXtoQTTranslator.

KONA 3, KONA LH/LHe, and KONA 2—In This Release

- Added 525i23.98 format to KONA Control Panel format choices.
- Added 720p23.98 format to KONA Control Panel format choices (KONA 3 and 2 only).
- Added new up-conversion choice: 525i23.98 to 1080psf23.98 (KONA 3 and KONA 2 only).
- Added new down-conversion choice: 1080psf23.98 to 525i23.98.
- Added new cross-conversion choice: 720p23.98 to 1080psf23.98 (KONA 3
- only).
- Support for Custom LUT files (KONA 3 and 2 only).
- Faster video switching between some formats (KONA 3 and 2 only).
- Ability to use downstream keyer graphics with RGB frame buffer formats (KONA 3 only).
- Downstream keyer support for cropped 2K formats (KONA 3 only).

Improvements and Fixes

- Improved 3/2 pulldown captures.
- Direct switching between apps that use KONA video.
- 10 RGB bit render to black problem fixed.
- Improved auto-format-select in KonaTV.
- Burn-in timecode correctly shows colon or semi-colon.