Release Notes—KONA 3/2, LH/LHe, & LS/LSe Version 3.1 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

New System Requirements: with this v3.1 KONA release, software system requirements have changed. Your KONA system *must have* Mac OSX 10.4 or later, QuickTime 7.1 or later, and Final Cut Pro 5.1 or later.

Important Note: Mac Pro computers must have the following firmware update for proper operation with all KONA cards. To obtain the update, go to the URL below and follow the instructions found there:

http://www.apple.com/support/downloads/macpromid2006efifirmwareupdate10.html

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.

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New Features and Fixes

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

- Added *Limiter* functionality to the KONA Control Panel's *Setup* pane. When *Limiter* is enabled, video values will be limited to legal broadcast values for luminanace and chrominance.
- The DPX to QT and QT to DPX translater applications are now Universal Binaries and are placed in the AJA Kona Utilities folder on your Hard Drive during KONA software installation.



Improvements and Fixes

- Fixed KONA LH/LHe audio popping that occurred when switching bitfiles.
- The KONA board can be placed in any slot with x4 or more lanes.
- The 2GB memory limit for the KONA board has been removed.

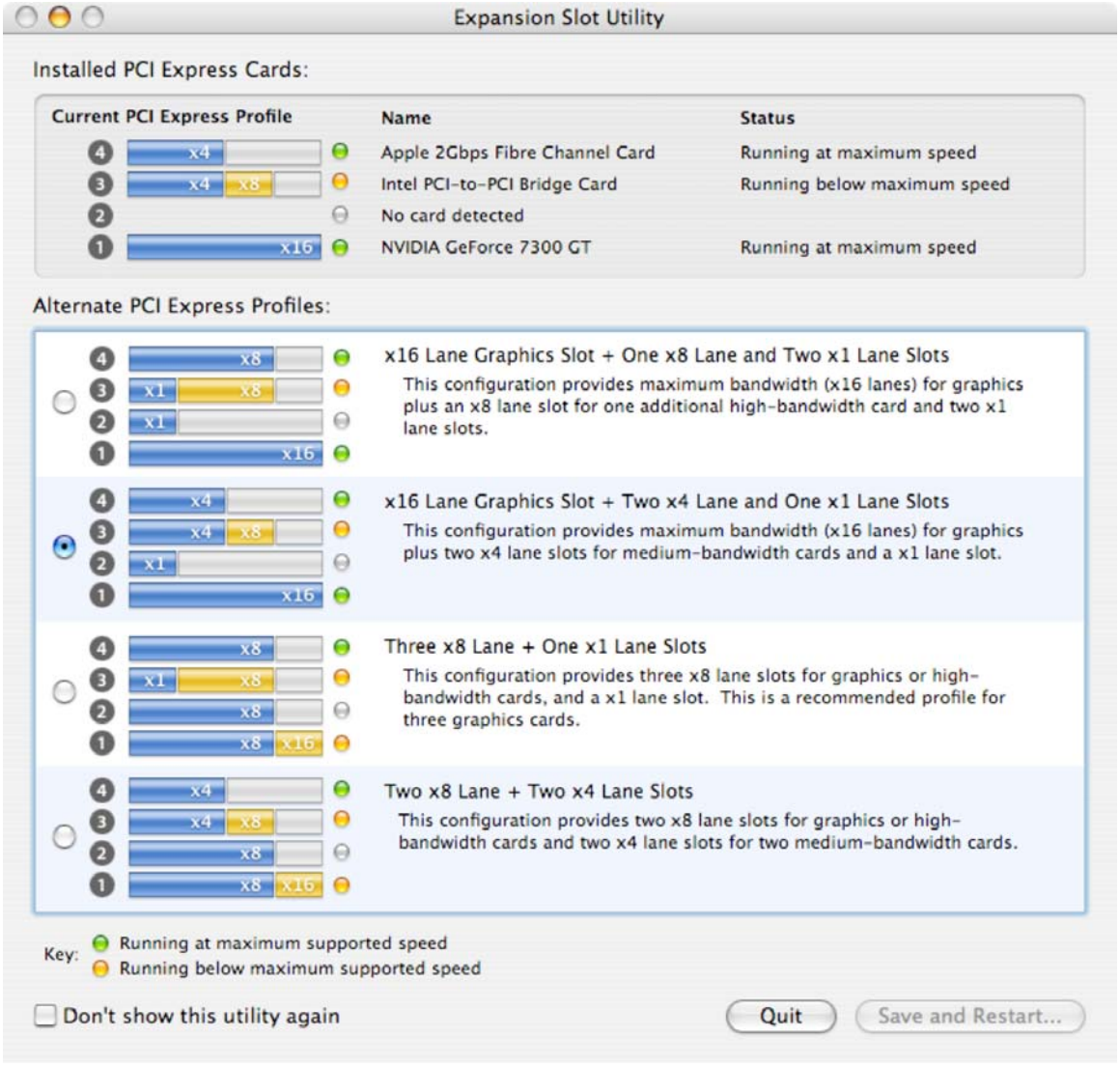
PCIe Slot Configuration Notes for Mac Pro Computers

The default Apple factory configuration of PCIe slots in a Mac Pro has slot 4 set as an x4 lane, slot 3 as an x4 lane, slot 2 as an x1 lane and slot 1 as an x16 lane. For optimal performance, place the KONA card in slot 3 (a 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).



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