



Release Notes—KONA version 5.1 NDD

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

This 5.1 NDD version is recommended for OS X 10.5.2 users. Note: The AJA KONA driver version 5.1 NDD is the same as driver version 5.1, but removes the Macintosh Desktop Display feature.

With the regular version of the 5.1 driver, some users may experience issues with Quartz Extreme, the behavior of their computer displays, and in some cases, kernel panics may occur with certain graphics cards installed. If any of the issues mentioned occur, the driver version 5.1 NDD should be used instead of version 5.1. Driver version 5.1 NDD is the recommended version for use with the latest Intel Xserve with Xeon 5400 series processors, model (MA882LL/A).

Note: *Version 5.1 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 5.1 software is as follows:*

- FCP 6.0.x - Kona Driver version 5.1 (Leopard and Tiger OS compatible version)
- FCP 6.0.x - Kona Driver version 4.0 (Tiger OS compatible version)
- FCP 5.1.x - Kona Driver versions 3.1 through 3.4 (Tiger OS compatible versions)
- FCP 5.0.x - Kona Driver version 3 (first Universal Binary 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.



Improvements and Fixes

- Edit to tape frame accuracy improved in all interlaced formats (all KONA).
- Improvements to RS422 machine control while doing edit-to-tape and video captures (all KONA).
- Improved 10-bit RGB display operation in Motion and After Effects (all KONA).
- Fixed a problem where After Effects could crash or hang when launched while the video card was in desktop mode (all KONA).
- Custom test patterns now properly reset when the Mac switches back to default mode (all KONA).
- Saving KONA Control Panel presets no longer requires Administrator privileges. (all KONA).
- Fixed a problem that could cause the KONA board to get out of sync when switching between Final Cut and Motion (all KONA).

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. AJA recommends placing the KONA card in slot 3 and using the Expansion Slot Utility to configure the slot to x4 lane. 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 latest version of Mac Pro EFI Firmware from Apple.



Expansion Slot Utility

Installed PCI Express Cards:

Current PCI Express Profile	Name	Status
4 x4	Apple 2Gbps Fibre Channel Card	Running at maximum speed
3 x4 x8	Intel PCI-to-PCI Bridge Card	Running below maximum speed
2	No card detected	
1 x16	NVIDIA GeForce 7300 GT	Running at maximum speed

Alternate PCI Express Profiles:

4 x8

3 x1 x8

2 x1

1 x16

x16 Lane Graphics Slot + One x8 Lane and Two x1 Lane Slots

This configuration provides maximum bandwidth (x16 lanes) for graphics plus an x8 lane slot for one additional high-bandwidth card and two x1 lane slots.

4 x4

3 x4 x8

2 x1

1 x16

x16 Lane Graphics Slot + Two x4 Lane and One x1 Lane Slots

This configuration provides maximum bandwidth (x16 lanes) for graphics plus two x4 lane slots for medium-bandwidth cards and a x1 lane slot.

4 x8

3 x1 x8

2 x8

1 x8 x16

Three x8 Lane + One x1 Lane Slots

This configuration provides three x8 lane slots for graphics or high-bandwidth cards, and a x1 lane slot. This is a recommended profile for three graphics cards.

4 x4

3 x4 x8

2 x8

1 x8 x16

Two x8 Lane + Two x4 Lane Slots

This configuration provides two x8 lane slots for graphics or high-bandwidth cards and two x4 lane slots for two medium-bandwidth cards.


Running at maximum supported speed

Running below maximum supported speed

Don't show this utility again

Quit

Save and Restart...



 VIDEO SYSTEMS

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