

# Read Me First

# KONA 3X

## KONA 3X Installation and Operation Manual

The KONA 3/3X Installation and Operation Manual is located on the Software CD shipped with your card. The manual is a PDF that you can drag and drop onto your Mac hard drive or read directly from the CD. Adobe Acrobat reader is required to view the file. To provide you with the best documentation possible, AJA will periodically update the manual and place the latest version on the KONA Support page on the AJA website. Check this URL location for the latest version:

*[http://www.aja.com/html/support\\_kona3\\_doc.html](http://www.aja.com/html/support_kona3_doc.html)*

This manual covers the installation and operation of KONA 3 and discusses using it with Final Cut Pro and other applications. Although it does not cover installation of a KONA 3X, that information is presented here in this ReadMe. Operation of the two cards is identical, so the manual works interchangeably for both models.

### KONA 3 and KONA 3X Models

The KONA 3 and KONA 3X models both provide the same power and functionality, but differ in their bus interfaces. The KONA 3X is a PCI-X card that plugs into a PCI-X G5 chassis or Xserve PCI-X slot (Quad Xeon Xserve with optional “PCI-X Riser, Apple P/N 922-7860”). The KONA 3 card has a PCI Express interface (x4) for use with the latest Mac Pro and G5 PCI Express Apple Power Macs. Both models work with Final Cut Studio and other applications to provide a professional editing suite, corporate/industrial video center, or high-powered desktop video setup.

Minimum System	Recommended System
<b>Model KONA 3X Minimum:</b> Power Mac G5 (dual) 2GHz with 1 GB or more RAM PCI-X slot required (some G5s have these slots)	<b>Model KONA 3X Recommended:</b> Xserve 3 GHz Quad Xeon or Power Mac G5 (dual) 2.5 GHz or better with 2 GB or more RAM PCI-X slot required (some G5s have these slots)

## Latest Software and Release Notes

To ensure you are running the very latest KONA 3 software, also check the KONA support page for software notices, answers to frequently asked questions (FAQs), and new software versions: *[http://www.aja.com/html/support\\_kona3\\_svd.html](http://www.aja.com/html/support_kona3_svd.html)*

## If You're Upgrading From Another Brand of Video Card

If your Mac Pro or PowerMac has previously had another video capture or multimedia card installed, ensure you remove the card and uninstall any related software before installing KONA 3. This will prevent any hardware or software conflicts.

**Note:** KONA 3X will operate properly on a Mac that also has an AJA Io installed.

Locate the *AJA KONA Conflict Checker* utility found on the KONA 3 installer CD (Utilities Folder) and run it to locate software from other manufacturers that might interfere with proper KONA 3 operation. Then use it to remove all conflicts found (if any).

## To Keep Your Existing Easy Setups

The AJA KONA Software installer will overwrite all of the files in the KONA 3 Easy Setups folder, located in the /Library/Final Cut Pro System Support directory. If you have stored any Easy Setup files of your own in this folder, or if you have changed any of the AJA-installed settings and wish to keep them, we recommend making a copy of this folder before running the KONA Software installer. After the installation is finished, you may copy any files you wish to keep back into the KONA 3 Easy Setups folder.

## Installing a KONA 3X into an Xserve or G5 with PCI-X Slots

The current version of the manual on the CD does not mention the KONA 3X model. However, since the features and functions are identical, there should be no problem. The only differences have to do with the type of computer the card is installed in; the KONA 3 is for PCI-Express Mac Pros, and the KONA 3X is for PCI-X G5s and Quad Xeon Xserves. Since the manual fully discusses KONA 3 installation, we'll cover KONA 3X installation here in this ReadMe.

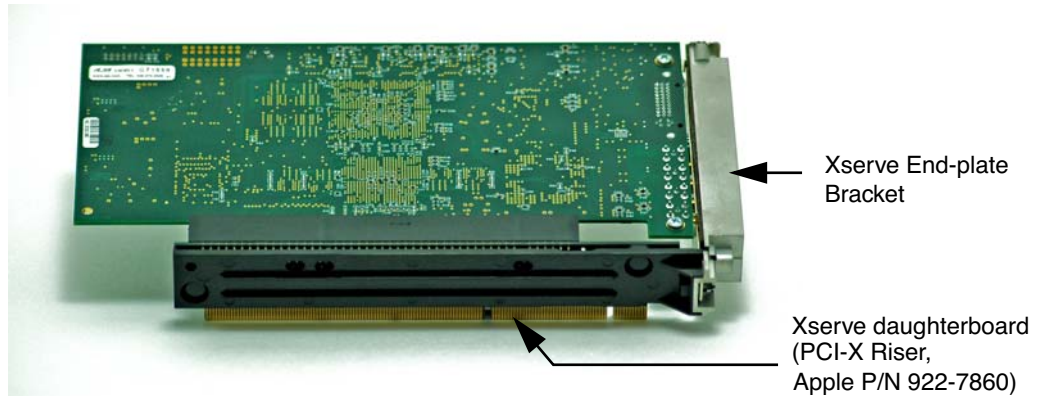
### Installing KONA 3X Into a G5

Install the KONA 3X capture card into either the 133 MHz PCI-X slot or one of the 100 MHz PCI-X slots in a PowerMac G5 (non-PCI-X G5 computers cannot be used with KONA 3X). If the RAID controller card (SCSI or Fibre Channel) requires the PCI-X 133 MHz slot, put it there and then insert KONA 3X in one of the 100 MHz PCI-X slots. DO NOT put the RAID controller and the KONA 3X both into 100 MHz slots—they should be on separate PCI-X busses to ensure optimum performance. Note: if you have a newer PCI-Express Mac Pro, you must use a KONA 3—not a KONA 3X.

### Installing KONA 3X Into an Xserve

The KONA 3X card is the same internally as a KONA 3, with the exception of its PCI-X bus interface, which is compatible with older PCI-X G5 desktop computers and the new Quad Xeon Xserve server. The latter features a PCI-X slot in addition to its PCI-Express slot. The KONA 3X is an excellent capture card for this Xserve model because it fits perfectly internally (note, however that the KONA 3 card cannot be used in the Xserve's PCI-e slot due to interference with the Xserve chassis).

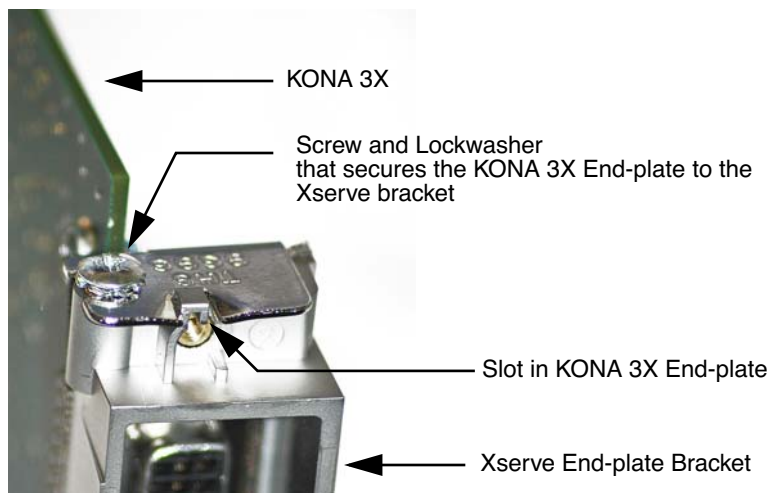
**Note:** There is an Apple optional part that must be used when installing a KONA 3X into a Quad Xeon Xserve: PCI-X Riser, Apple P/N 922-7860.



***KONA 3X with Xserve End-plate Bracket and Daughter-board Attached***

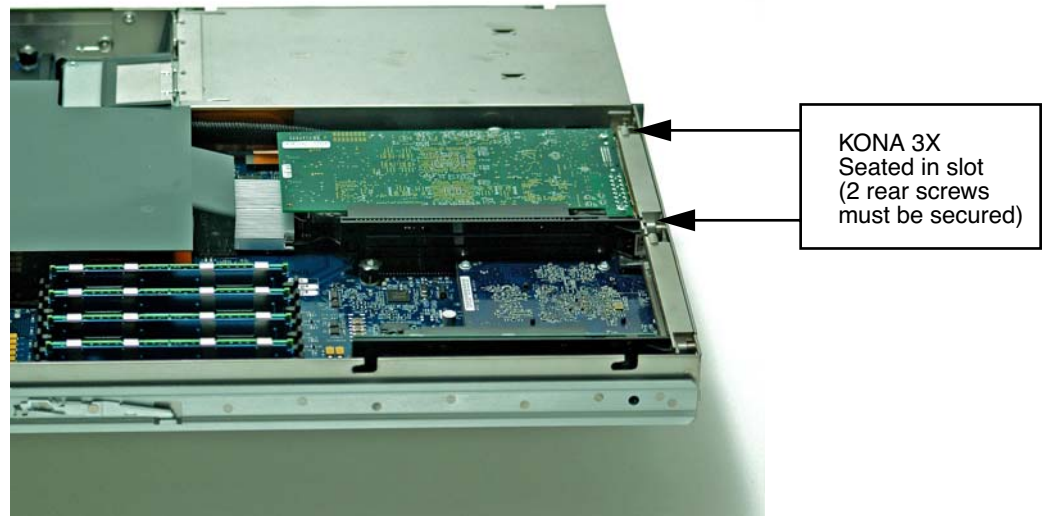
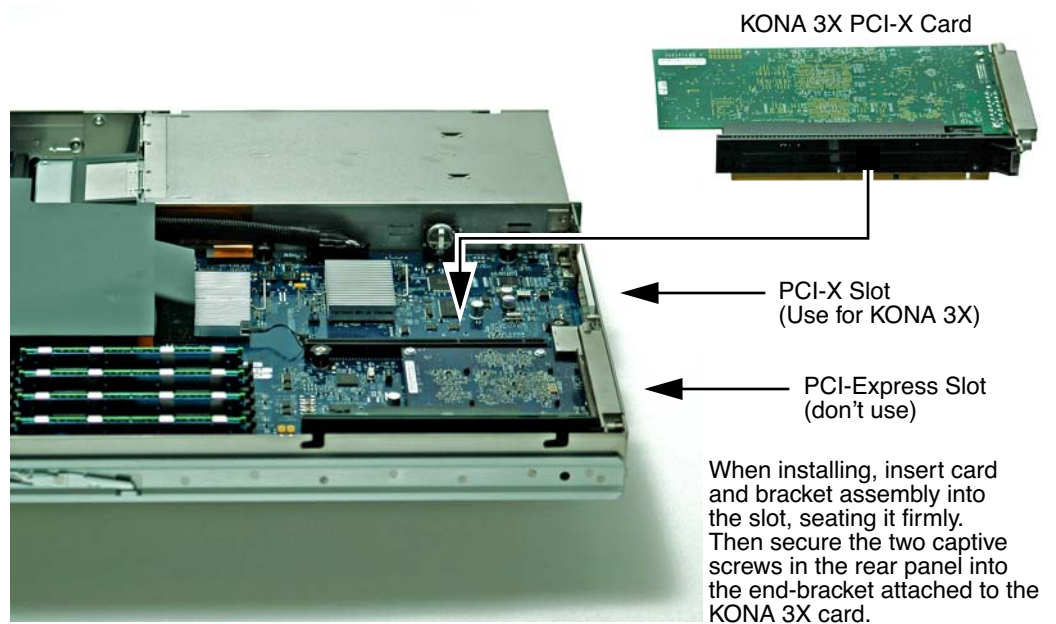
To install a KONA 3X into a Quad Xeon Xserve, follow this procedure:

1. Following the Apple Xserve User Manual instructions that came with your Xserve, loosen the two knurled case screws at the rear panel and remove the top cover of the Xserve.
2. Locate the middle slot in the Xserve and remove the Xserve End-plate Bracket and PCI-X Riser daughter-board. These will be used with the KONA 3X so that it can be plugged into the Xserve motherboard.



***Xserve Bracket to KONA 3X End-plate Assembly***

3. Attach the Xserve End-plate Bracket to the KONA 3X end-plate. The end-plate on the KONA 3X has a small slot that the bracket will fit into. Once the end-plate and bracket are lined up, secure them together by tightening the screw and lockwasher provided with the Xserve bracket (see the photo above). The lockwasher should be between the screw head and the endplate (not underneath touching the bracket).
4. Insert the KONA 3X into the Xserve PCI-X Riser daughter board.
5. Place the complete KONA 3X assembly into the PCI-X slot (middle of chassis). Refer to the photo on the next page for placement.
6. Carefully seat the daughterboard fully into the PCI-X slot.
7. Secure the End-plate bracket to the chassis rear plate using the two captive phillips screws in the rear panel.



*Xserve with KONA 3X Installed*

8. Replace the Xserve cover and fasten the two knurled captive screws to secure it.