

AJA KONA, Io and T-TAP Drivers

Release Notes - Windows Drivers v10.6.1

Requirements and Recommendations

- Operating System Required: Windows 7 or Windows 8.1 (64-bit).
- Before running this installer, uninstall all previous versions of AJA XENA or AJA Windows software.
- For additional hardware recommendations and requirements, please see the links below:
 - <http://www.aja.com/en/support/kona-pc-system-configuration/>
 - <http://www.aja.com/en/support/kona-system-configuration/>
- AJA recommends running this installer as an Administrator. To do this, right click on the installer and select 'Run As Administrator'. The 'Run As Administrator' option may not be present if Windows User Account Control (UAC) is turned off.

Important Note

This will be the final release of AJA Windows Hardware Drivers to support the KONA 3 card.

Special Requirements for 4K/Ultra HD Capture

The current version of AJA Control Room is limited to DPX capture for 4K/UHD High Frame Rate (up to 60 frames per second). Due to the high disk performance requirements, system configuration is very important.

AJA has tested and verified this configuration:

System Configuration

HP Z820 Dual CPU E5-2650 v2 - 2.6 GHz 6-core or better (Requires enough CPU speed to decompress ProRes in under 16ms)

- 32 GB RAM
- SATA Boot Drive with Windows 8.1
- Slot 1 – Empty
- Slot 2 – KONA 4
- Slot 3 – LSI 9721-8iCC RAID controller
- Slot 4 – LSI 9721-8iCC RAID controller
- Slot 5 – Empty
- Slot 6 – GPU

RAID Configuration

Each RAID controller can be configured with either 4 x Intel S3700 200 GB+ or 6 x Intel S3500 240GB+ drives. RAID configuration per controller is:

- RAID 0
- 64k Stripe Size
- Always Write Back
- A RAID 0 configuration on each controller presents 2 drives to Windows, stripe the drives together with Disk Manager.

Improvements

New AJA Control Room v1.3

- Improved 4K capture and playback performance
- Optimized performance of High Frame Rate ProRes capture/playback
- Fixed Assemble Editing
- Improved accuracy of Edit-to-Tape
- Added user adjustable viewer update rate (helpful when capturing from HFR sources)
- Fixed an issue in AJA Control Room where preroll failed during edit to tape

All

- Added LUT loading to AJA Control Panel
- Fixed Downstream Keyer bug in AJA Control Panel with 'Graphic over Framebuffer'
- Fixed a bug in writing TC track in MOV files

KONA 4

- Up, Down, Cross-conversion now enabled

Io 4K

- Up, Down, Cross-conversion now enabled

T-TAP

- Firmware update with improved audio output

Known Issues and Limitations

- UHD capture is limited to DPX files for HFR. Very high-speed storage systems are required.
- DVCProHD capture and playback will not work when cards are flashed with 4K firmware. This applies to KONA 4 and lo 4K. In order to capture DVCProHD with these cards, go to the AJA Control Panel 'Firmware' tab, and flash them with the supplied UFC bitfile. This bitfile contains all of AJA's up, down, cross-conversion support, as well as support for 'thin raster' formats like DVCProHD, but does not include 4K and UltraHD support.
- 'System Sleep' should not be used with KONA and lo devices. Sleep modes should be disabled in the operating system settings.
- lo Express is not recommended for use in Windows with an Apple MacBook Pro 8.2 or earlier using Bootcamp. lo Express will work in an Apple Mac Pro tower, or in a MacBook Pro 8.3 with Windows and Bootcamp.

Relevant Products

The following products are covered by this update:

KONA 4	KONA LHi	lo Express
KONA 3G	KONA LHe Plus	lo XT
KONA 3	lo 4K	T-TAP™

Technical Support

AJA Technical Support is free and available to help you answer questions or resolve issues with any of your AJA products.

To contact AJA Technical Support:

Email: support@aja.com Phone: +1-530-271-3190 Fax: +1-530-274-9442

Web: www.aja.com/support Shipping: 180 Litton Dr. Grass Valley, CA 95945 USA

Version History

10.5.2 - Release Date: March 25, 2014

All

- Added KONA 4 drivers
- Added AJA Control Room
- Fixed the ASIO audio driver
- Updated KONA manual
- Fixed problem with bad 4K/UHD YUV output on lo 4K
- Fixed problem where RP188 output didn't work on lo 4K
- Fixed issue where lo XT could have +24 dBu selected for analog audio output in the AJA Control Panel. The limit is now +18 dBu on lo XT.
- Fixed audio issues with T-TAP
- Added RGB Pixel Format selections to AJA Control Panel for KONA 3
- Added LUT loading features to AJA Control Panel

10.5.1 - Release Date: March 25, 2014

All

- Added support for lo 4K
- Included additional formats in the AJA DataCalc desktop app
- Added support for progressive (p) vs. PsF selection in Control Panel

lo XT

- Fixed the HDMI audio output 2/8 channel selector

10.4.1 - Release Date: August 29, 2013

All

- Now supports lo XT and T-TAP on Windows 7 and Windows 8
- New Control Panel settings persistence model that allows for customized 'house default' settings
- Fixed issues with AJA Control Panel settings not being saved after a reboot

10.4.0 - Release Date: June 17, 2013

All

- Adds Windows 8 compatibility.
- Adds new Windows ASIO Audio driver.
- Adds 29.97 and 30 fps frame rates to 4K and QuadHD frame sizes when using KONA 3G in 4K mode.