

Ki Pro Ultra Release Notes – v1.2

Firmware update for Ki Pro Ultra v1.2

Introduction

This firmware update is a maintenance release for Ki Pro Ultra. Be sure to consult the Installation and Operation Guide (user manual) for detailed information about features and configuration guidelines. The most current documentation can always be found in the Support section of www.aja.com.

New Features

- ExFAT File system compatibility for recording and playback
- 16 Channel audio support
- Closed Caption (cc) support
- 2SI Level B - Two Sample Interleave support for recording and playback
- Support for Pak-Adapt-eSATA for large external volumes and/or RAID array support (up to 24TB tested)
- Clip segmentation – user definable clip length for compartmentalizing file duration during long recording sessions.

Improvements

- Other minor fixes.

Firmware Update Considerations

- AJA recommends a Factory Reset under the CONFIG menu prior to updating firmware.

- After a firmware update, the web browser (Safari, Firefox, etc.) may lose its connection. A refresh of the web browser will reconnect the web UI.
- Do not attempt firmware updates while recording is in progress. Be sure the device is in the stopped state before performing a firmware update.

IMPORTANT - Known V1.2 Limitations and Caveats

- Please refer to <https://www.aja.com/en/products/pak#support> for up to date guidance on qualified drive and RAID combinations for using Ki Pro Ultra with Pak-Adapt-eSATA.
- AJA recommends PAK1000 media only for 4K/UltraHD 50p/60p Apple ProRes 422 HQ recording. AJA qualified RAID and drive combinations are only suitable for up to 4K/UltraHD 50/60p as ProRes 422.
- Always format drives in the Ki Pro Ultra before recording.
- Formatting large volumes will take longer than Pak Media.
- Rollover is not supported on AJA Pak media or third party media using Pak-Adapt-eSATA.
- Do not mount large volumes connected to the Pak-Adapt-eSATA whilst recording. Doing so may cause a performance issue which could result in dropped frames.
- When using non-qualified external third party media via Pak-Adapt-eSATA there is no guarantee of recording performance. Always test any third party media and RAID chassis before using in mission critical productions.
- It recommended that only high quality eSATA cables be used with Ki Pro Ultra and Pak-Adapt-eSATA. Testing has shown that low price, commodity eSATA cables can cause connectivity issues that result in media not mounting correctly or dropped frames.
- Clips created with the Ki Pro Rack (HD) may not play correctly in a Ki Pro Ultra (*This will be fixed in the next firmware update*).
- Ki Pro Ultra cannot recognize clips created in Apple FCPX. The Ki Pro Ultra fails to recognize the "lpcm" audio tag. Workaround: re-export the clip out of an alternative NLE, such as Premiere or consider adding chapter markers to your FCP X sequence.
- Ki Pro Ultra generated QuickTime Files captured with CC enabled (Menu item 22.4) are not compatible with FCP 7.0 or QT 7.0. Workaround: Disable CC if exporting QuickTime files to FCP 7.0 or QuickTime 7.0 workflows.

- Using input CROP/DOWNCONVERT (or the 4K/UltraHD to 2K/HD monitoring SDI output) will strip VANC input (for example, CC). Do not use CROP or DOWNCONVERT to preserve VANC input.
- Ki Pro Ultra does not support 2SI 3G – LEVEL A.
- Full DCI 4K and 2K SDI will support only 8 Channels of Audio (the lower 8) due to limited HANC bandwidth available in these formats.
- If in 8 channel mode (Menu item 2.3), only the lower 8 audio channels are recorded regardless of the 16 Ch – 8 Ch Audio Map selection using menu item 2.5. Select 16 channel Audio to capture the upper 8 audio channels (and lower 8). The Audio Map selection only affects 8 channel only destinations such as HDMI, AES and Analog outputs. SDI always outputs 16 channels.
- When using Time of Day TC value, the TC value output of a recorded clip may be incorrect (this will be fixed in the next firmware release).
- If using a JL Cooper VTC1 RS-422 controller, clip selection does not work properly with the Ki Pro Ultra. *(This will be fixed in the next firmware update).*