

Pak-Adapt-eSATA

Quick Start and Qualified Media Guide



Introduction

Pak-Adapt-eSATA is a Pak media sized eSATA adapter that lets you attach qualified RAID or single volume storage to Ki Pro Ultra and use that media as a record drive. Simply connect a high quality eSATA cable to the Pak-Adapt-eSATA port, and once the green LED is lit your media is mounted. You can then record direct to that media.

Qualified Media

Pak-Adapt-eSATA requires qualified media to ensure the best results. Although most types of RAID and single volume drives will mount, only qualified media provides proven performance. AJA does not prevent the use of unqualified media, but does not recommend using any devices other than those listed below. AJA only supports customers using qualified RAID enclosures, high quality cables and approved drives. AJA does not take responsibility for any loss of data resulting from the use of unqualified media.

IMPORTANT: The 'Rollover' functionality of Ki Pro Ultra is not supported between multiple Pak-Adapt-eSATAs, or between Pak media and Pak-Adapt-eSata, due to the longer mount times required by larger volumes.

For a current listing of all eSATA media qualified by AJA, see:

<https://www.aja.com/en/products/pak#support>

AJA will update the list of tested media solutions as more information is collected and newer products become available.

The following drives are tested for up to UltraHD p60 with ProRes 422 in a RAID 0 configuration in either HFS+ or ExFAT file systems. If you are recording at or above UltraHD p50 ProRes HQ, AJA recommends Pak1000 media.

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Approved RAID Chassis: CineRAID CR-H458
http://www.cineraid.com/products/home_h458.htm

Approved Drives: Western Digital Black Drives in the following capacities:
<http://m.wdc.com/en/product/760/specifications>

Model #: WD2003FZEX

- Interface: SATA 6 Gb/s
- Form Factor: 3.5 Inch
- RPM Class: 7200
- Capacity: 2 TB
- Cache: 64 MB

Model #: WD6001FZWX

- Interface: SATA 6 Gb/s
- Form Factor: 3.5 Inch
- RPM Class: 7200
- Capacity: 6 TB
- Cache: 128 MB

Important Suggestions

- Use high quality, shielded eSATA cables.
- The Ki Pro Ultra SATA bridge can provide a SATA 3/6Gbps connection, but the bridge on a given external device may not. It is also possible an external device has SATA 3/6Gbps internal connections to the drives and a SATA 2/3Gbps external connection. If that is the case, the 2/3Gbps link will constrain the maximum capture or playback rate.
- When using external devices with the Pak-Adapt-eSATA, overall throughput will vary, so they should be tested before using them in actual production. Run initial burn-in tests with long records and playbacks.
- Be aware that large media volumes take longer to mount.
- Mounting a large volume on an eSATA RAID device can interfere with a recording in progress and cause a dropped frame.