

**DV Cameras, Decks, and Transcoders tested by Avid**  
**for**  
**Media Composer Adrenaline 1.x**  
**NewsCutter Adrenaline FX 5.x**  
**Avid Xpress Pro 4.x**  
**Avid NewsCutter XP 5.x**  
**Avid Xpress DV 4.x**

The table below summarizes the results of Avid's testing of DV devices. DV devices vary widely in their capabilities and limitations. Therefore, you should review the information carefully before selecting a device, to ensure that it will meet your needs. Some devices may have limitations beyond those revealed in Avid's testing. In addition, device models are sometimes updated, which can affect test results and known issues. Avid is providing this information for your convenience only. Use of these devices is at your own risk. Avid accepts no responsibility for your purchase and use of any devices listed here. The information presented below is the best available at the time, but does not represent a promise by Avid and is subject to change without notice.

**The following DV devices were tested on both Mac OS X and Windows XP Professional and any limitations are noted:**

Things to keep in mind when using FireWire device control:

- **Device Setup** – Most devices need to be setup to be controlled remotely. Read the device manual to properly configure the device so that it can be controlled by an Avid application. Many devices should be in Remote mode. Cameras should operate in VCR mode, not CAMERA mode. Make sure the input and output selections are also configured properly.
- **Digital Cut** - Digital cut is not guaranteed to be frame accurate when the device is controlled over FireWire, although Avid strives to make it as frame accurate as possible. The DV digital cut offset can be used to tune digital cut frame accuracy for your device. Some devices behave inconsistently making it difficult to achieve accurate results. We recommend adding black to both the beginning and end of the sequence.
- **Capture** - Capture from transcoders is not guaranteed to be frame accurate. The DV capture offset can be used to fine tune capture to make it more accurate for your device.
- **Drop/Non-Drop Frame Timecode** – DV tapes can have drop or non-drop frame timecode. Many devices do not support the timecode command that indicates whether or not a timecode is drop or non-drop frame. Since most DV tapes are drop frame, we default the timecode to drop frame. If you are using a non-drop frame tape and the timecode in the Capture or Digital Cut tool displays drop frame, you can correct this. In the Capture tool, arm at least one video track and timecode track. Play the tape in the deck or camera; the timecode should correct itself to the correct drop frame or non-drop frame.
- **Qualification** – although not all devices on this list go through the official qualification process, engineers and testers use most devices during product development.

**Products Tested**

MCA = Avid Media Composer Adrenaline 1.5.1

NCA = Avid NewsCutter Adrenaline FX 5.5.1

XPRO = Avid Xpress Pro 4.5.1

NCXP = Avid NewsCutter XP 5.5.1

XPDV = Avid Xpress DV 4.5.1

| Camera/Deck        | Video Format | Notes & Information  | Products Tested with Software Only     | Products Tested with Adrenaline | Products Tested with Mojo |
|--------------------|--------------|--|--|---------------------------------|---------------------------|
| Canon GL1          | NTSC         | Device Control – Slow response to commands.  | XPDV 4.0                               | MCA 1.0.1<br>NCA 5.0.1          |                           |
| Canon Optura 100MC | NTSC         | Issues - Failed most editing functions when tested with XPDV 4.0.  | Not Qualified                          |                                 |                           |
| Canon DM XL1       | PAL          | Device Control – Slow response to commands.<br><br>Client Monitor – Intermittently has blue flash.   | XPDV 4.0                               |                                 |                           |
| Canon XL1          | NTSC         | Device Control – Slow response to commands.  | XPDV 4.0                               | MCA 1.0.1<br>NCA 5.0.1          |                           |
| Canon XL1s         | NTSC         | Device Control – Slow response to commands.<br><br>Digital Cut – Inconsistent results  | XPDV 4.0                               | MCA 1.0.1<br>NCA 5.0.1          |                           |
| Canon XL2          | NTSC         | FireWire Control – Basic functionalities works well within deck control.<br><br>Capture – Failed capture-on-the-fly due to timecode discontinuity.<br><br>Digital Cut – Sync accurate. Digital cut offset recommended.<br><br>Most reliable Canon. Device must be powered On after the Adrenaline or Mojo. | XPDV 4.5.1<br>XPRO 4.5.1<br>NCXP 5.5.1 | MCA 1.5.1<br>NCA 5.5.1          | XPRO 4.5.1<br>NCXP 5.5.1  |
| JVC BR-DV600UA     | NTSC         | Device Control – Slow response to commands.  | XPDV 4.0                               |                                 |                           |

| Camera/Deck         | Video Format | Notes & Information   | Products Tested with Software Only   | Products Tested with Adrenaline | Products Tested with Mojo |
|---------------------|--------------|---|--|---------------------------------|---------------------------|
|                     |              | Digital Cut – Doesn't seem to accept DV input when it is configured in the Deck Configuration Settings. To get this device to accept input, remove the deck from the Deck Configuration Setting. Cycle the power on the deck. Operate with the digital cut tool in Local mode. Manually control the deck through the front panel on the deck. Issues – Customers have reported audio dropouts and stuttering with this deck.              |  |                                 |                           |
| JVC BR-DV3000U      | NTSC<br>PAL  | Device Setup – Cycle the power on this device when switching between PAL & NTSC. The Long Pause time menu setting must be set to a minimum of 30 seconds to work with Digital Cut.<br><br>Issues – Customers have reported audio dropouts and stuttering.<br><br>Macintosh Issues – Loses works, digital cut failed. If the template is not available in your application (3.5.x or earlier), download it from the Avid Knowledge Center. | <u>WinXP</u><br>XPDV 4.0<br><br><u>Macintosh</u><br>XPDV 4.0<br>limited<br>qualification |                                 |                           |
| JVC SR-VS20         | NTSC         | Device Setup – Use the CH buttons on the deck to set the input selection to F1. The arrow under the DV button should be lit and pointing to the right.<br><br>Issues – Customers have reported audio dropouts and stuttering. Cycle power if communication problems occur.  | XPDV 4.0.x   |                                 |                           |
| JVC SR-VS30         | NTSC         | Issues – Customers have reported audio dropouts and stuttering.   | XPDV 4.0.x   |                                 |                           |
| Panasonic AG-DVC30P | NTSC         | FireWire Control – Intermittent “wait state” hangs.<br><br>Digital Cut – Breaks solid timecode on tape.<br><br>Capture from In point is not 100% accurate.  | XPDV 4.5.1<br>XPRO 4.5.1<br>NCXP 5.5.1   | MCA 1.5.1<br>NCA 5.5.1          | XPRO 4.5.1<br>NCXP 5.5.1  |

| Camera/Deck          | Video Format | Notes & Information   | Products Tested with Software Only  | Products Tested with Adrenaline | Products Tested with Mojo |
|----------------------|--------------|---|---|---------------------------------|---------------------------|
| Panasonic AG-DVC30E  | PAL          | FireWire Control – Intermittent “wait state” hangs.<br><br>Digital Cut – Breaks solid timecode on tape.<br><br>Capture from In point is not 100% accurate.  | XPDV 4.5.1<br>XPRO 4.5.1<br>NCXP 5.5.1  | MCA 1.5.1<br>NCA 5.5.1          | XPRO 4.5.1<br>NCXP 5.5.1  |
| Panasonic AG-DVC7P   | NTSC         | Capture – Frame accurate. Deck control is slow to respond. Failure to cue properly occurs occasionally.<br><br>Digital Cut – Crash record is recommended. Camera often cues improperly while performing a digital cut.  | XPDV 4.5.1<br>XPRO 4.5.1<br>NCXP 5.5.1  | MCA 1.5.1<br>NCA 5.5.1          | XPRO 4.5.1<br>NCXP 5.5.1  |
| Panasonic AG-DVX100E | PAL          | Device Setup – See Notes <sup>1</sup>   | XPRO 4.0.x<br>NCXP 5.0.x  | MCA 1.0.1<br>NCA 5.0.1          | .                         |
| Panasonic AG-DVX100P | NTSC         | Device Setup – See Notes <sup>1</sup>   | XPRO 4.0.x<br>NCXP 5.0.x  | MCA 1.0.1<br>NCA 5.0.1          |                           |
| Panasonic AJ-D230HP  | NTSC         | Device Setup - VERY IMPORTANT <ul style="list-style-type: none"> <li>○ Input switch on front panel of deck must be set to <b>OPTION</b></li> <li>○ Make sure the deck is in <b>REMOTE</b> mode.</li> <li>○ Deck Menu Settings <ul style="list-style-type: none"> <li>○ 800 - DIF SPEED - S200</li> <li>○ 802 - DIF IN CH - 0 (63 for Adrenaline/Mojo)</li> <li>○ 803 - DIF OUT CH - 0 (63 for Adrenaline/Mojo)</li> <li>○ 805 - DIF REC SEL - ERASE</li> <li>○ 806 - DIF CONFIG - 10</li> <li>○ 807 - DIF STD IN - OFF</li> </ul> </li> </ul> <p>Macintosh (Software Only) – Not qualified for the software only applications. Avid has tested up to Mac OSX 10.2.6.</p> <p>Windows XP (Software Only) – The firmware on this</p> | <u>WinXP</u><br>XPDV 4.0.x<br>(unofficially tested in house)<br><br><u>Macintosh</u><br>Not Qualified |                                 |                           |

| Camera/Deck        | Video Format | Notes & Information   | Products Tested with Software Only  | Products Tested with Adrenaline | Products Tested with Mojo |
|--------------------|--------------|---|---|---------------------------------|---------------------------|
|                    |              | <p>deck must be updated to work with WinXP (DirectShow). To get the latest version of the DIF firmware in the AJ-D230, press the Local/Menu/Remote switch to the Menu position while pressing the Eject button on the front panel. Press the FF (up) button while pressing the REW (mode) button. The software versions (IF, AV-SYS, etc) should appear on the monitor connected to the deck. The DIF flash ROM must be up to at least Rev 1.17-00.</p>   |   |                                 |                           |
| Panasonic AJ-D250E | PAL          | <p>Device Setup –See Notes<sup>2</sup></p> <p>Macintosh (Software Only) – Not qualified for the software only applications. Avid has tested up to Mac OSX 10.2.6.</p> <p>Windows XP (Software Only) – The firmware on this deck must be updated to work with WinXP (DirectShow). To get the latest version of the DIF firmware in the AJ-D230, press the Local/Menu/Remote switch to the Menu position while pressing the Eject button on the front panel. Press the FF (up) button while pressing the REW (mode) button. The software versions (IF, AV-SYS, etc) should appear on the monitor connected to the deck. The DIF flash ROM must be up to at least Rev 1.17-00.</p> | <p><u>Windows XP</u><br/>XPDV 4.0.x<br/>XPRO 4.0.x<br/>NCXP 5.0.x</p> <p><u>Macintosh</u><br/>Not Qualified</p> |                                 |                           |
| Panasonic AJ-D250P | NTSC         | <p>Device Setup – See Notes<sup>2</sup></p> <p>Macintosh (Software Only) – Not qualified for the software only applications. Avid has tested up to Mac OSX 10.2.6.</p> <p>Windows XP (Software Only) – The firmware on this deck must be updated to work with WinXP (DirectShow).</p>   | <p><u>WinXP</u><br/>XPDV 4.0.x<br/>XPRO 4.0.x<br/>NCXP 5.0.x</p> <p><u>Macintosh</u><br/>Not Qualified</p>      |                                 |                           |

| Camera/Deck                                     | Video Format | Notes & Information  | Products Tested with Software Only  | Products Tested with Adrenaline | Products Tested with Mojo |
|---|--------------|--|---|---------------------------------|---------------------------|
|   |              | To get the latest version of the DIF firmware in the AJ-D230, press the Local/Menu/Remote switch to the Menu position while pressing the Eject button on the front panel. Press the FF (up) button while pressing the REW (mode) button. The software versions (IF, AV-SYS, etc) should appear on the monitor connected to the deck. The DIF flash ROM must be up to at least Rev 1.17-00. |   |                                 |                           |
| Panasonic AJ-D455E                              | PAL          | Device Setup – See Notes <sup>3</sup><br><br>Macintosh (Software Only) – Not qualified for the software only applications. Avid has tested up to Mac OSX 10.2.6.   | <u>WinXP</u><br>XPRO 4.0.x<br>NCXP 5.0.x<br><br><u>Macintosh</u><br>Not Qualified               |                                 |                           |
| Panasonic AJ-D455P                              | NTSC         | Device Setup – See Notes <sup>3</sup><br><br>Mac Software Only Issue – This device is NOT QUALIFIED with the software only applications. We have tested up to Mac OSX 10.2.6.  | <u>WinXP</u><br>XPDV 4.0.x<br>XPRO 4.0.x<br>NCXP 5.0.x<br><br><u>Macintosh</u><br>Not Qualified |                                 | XPRO 4.0.x<br>NCXP 5.0.x  |
| Panasonic AJ-D950<br><i>SDI &amp; COMPONENT</i> | NTSC<br>PAL  |  |   | NCA 5.0.1                       |                           |
| Panasonic DVCPRO 455P                           | NTSC         | Capture – Sometimes doesn't find start timecode if deck is in Stop mode.<br><br>Digital Cut – Frame accurate. Occasional audio pop from deck on playback.<br><br>Turn device on after powering up the Adrenaline or Mojo.  | XPDV 4.5.1<br>XPRO 4.5.1<br>NCXP 5.5.1  | MCA 1.5.1<br>NCA 5.5.1          | XPRO 4.5.1<br>NCXP 5.5.1  |
| Panasonic DVCPRO 455P                           | PAL 411      | Capture – Sometimes doesn't find start timecode if deck is in Stop mode.<br><br>Digital Cut – Frame accurate. Occasional audio pop from  | XPDV 4.5.1<br>XPRO 4.5.1<br>NCXP 5.5.1  | MCA 1.5.1<br>NCA 5.5.1          | XPRO 4.5.1<br>NCXP 5.5.1  |

| Camera/Deck           | Video Format | Notes & Information  | Products Tested with Software Only     | Products Tested with Adrenaline      | Products Tested with Mojo |
|-----------------------|--------------|--|--|--------------------------------------|---------------------------|
|                       |              | deck on playback.<br><br>Turn device on after powering up the Adrenaline or Mojo.  |  |                                      |                           |
| Panasonic DVCPRO 755P | NTSC         | Capture – Sometimes doesn't find start timecode if deck is in Stop mode.<br><br>Digital Cut – 38 frames off from the In point. Offset feature recommended.<br><br>Turn device on after powering up the Adrenaline or Mojo.   | XPDV 4.5.1<br>XPRO 4.5.1<br>NCXP 5.5.1 | MCA 1.5.1<br>NCA 5.5.1               | XPRO 4.5.1<br>NCXP 5.5.1  |
| Panasonic DVCPRO 755P | PAL 411      | Capture – Sometimes doesn't find start timecode if deck is in Stop mode.<br><br>Digital Cut – 27 frames off from the In point. Offset feature recommended. Audio mutes/pop occur from deck, but actual record to tape is fine.<br><br>Turn device on after powering up the Adrenaline or Mojo.           | XPDV 4.5.1<br>XPRO 4.5.1<br>NCXP 5.5.1 | MCA 1.5.1<br>NCA 5.5.1               | XPRO 4.5.1<br>NCXP 5.5.1  |
| Sharp VL-WD250        | NTSC         | Unreliable with XPDV 4.0   | XPDV 4.0.x<br>unreliable               | MCA 1.0.1<br>NCA 5.0.1<br>Unreliable |                           |
| Sony 1500A            | NTSC         | FireWire Control – Only tested for analog input.<br><br>Capture – Frame accurate and sync is maintained.<br><br>Digital Cut – Digital cut offset of 31 recommended to achieve frame accuracy on Mojo. Frame accuracy with software only editors is not reliable. Software editors must use 1394 control. | XPDV 4.5.1<br>XPRO 4.5.1<br>NCXP 5.5.1 | MCA 1.5.1<br>NCA 5.5.1               | XPRO 4.5.1<br>NCXP 5.5.1  |
| Sony 1500P            | PAL          | FireWire Control – Only tested for analog input.<br><br>Capture – Frame accurate and sync is maintained.   | XPDV 4.5.1<br>XPRO 4.5.1<br>NCXP 5.5.1 | MCA 1.5.1<br>NCA 5.5.1               | XPRO 4.5.1<br>NCXP 5.5.1  |

| Camera/Deck                     | Video Format | Notes & Information  | Products Tested with Software Only     | Products Tested with Adrenaline | Products Tested with Mojo      |
|---------------------------------|--------------|--|--|---------------------------------|--------------------------------|
|                                 |              | Digital Cut – Digital cut offset of 31 recommended to achieve frame accuracy on Mojo. Frame accuracy with software only editors is not reliable. Software editors must use 1394 control. |  |                                 |                                |
| Sony BVW-75<br><i>COMPONENT</i> | NTSC         |  | XPDV 4.0.x                             | NCA 5.0.1                       |                                |
| Sony DCR-PC100                  | NTSC         |  | XPDV 4.0.x                             |                                 |                                |
| Sony DCR-PC120E                 | PAL          |  | XPDV 4.0.x                             | MCA v1.0.1<br>NCA v5.0.1        |                                |
| Sony DCR-TRV17                  | NTSC         | Device Setup - Use the Sony DCR-TRV900 machine template  | XPDV 4.0.x                             |                                 |                                |
| Sony DCR-TRV27                  | NTSC         | Device Setup - If the template is not available in your application (3.5.x or earlier), download it from the Avid Knowledge Center.  | XPDV 4.0.x                             |                                 |                                |
| Sony DCR-TRV30                  | NTSC         | Device Setup - Use the Sony DCR-TRV900 machine template  | XPDV 4.0.x                             |                                 |                                |
| Sony DCR-TRV900                 | NTSC         |  | XPDV 4.0.x<br>XPRO 4.0.x<br>NCXP 5.0.x | MCA 1.0.1<br>NCA 5.0.1          | XPRO<br>4.0.x<br>NCXP<br>5.0.x |
| Sony DCR-TRV900E                | PAL          |  | XPDV 4.0.x<br>XPRO 4.0.x<br>NCXP 5.0.x | MCA 1.0.1<br>NCA 5.0.1          | XPRO<br>4.0.x<br>NCXP<br>5.0.x |
| Sony DCR-TRV950                 | NTSC         |  | XPRO 4.0.x<br>NCXP 5.0.x               | MCA 1.0.1<br>NCA 5.0.1          |                                |
| Sony DCR-VX1000                 | NTSC         |  | XPDV 4.0.x                             |                                 |                                |
| Sony DCR-VX2000                 | NTSC         |  | XPDV 4.0.x<br>XPRO 4.0.x<br>NCXP 5.0.x | MCA 1.0.1<br>NCA 5.0.1          | XPRO<br>4.0.x<br>NCXP<br>5.0.x |
| Sony DNW-A75                    | NTSC         | FireWire Control – Must use RS-422 direct control.   | XPDV 4.5.1                             | MCA 1.5.1                       | XPRO                           |

| Camera/Deck   | Video Format | Notes & Information   | Products Tested with Software Only     | Products Tested with Adrenaline | Products Tested with Mojo |
|---------------|--------------|---|--|---------------------------------|---------------------------|
|               |              | Digital Cut – Assemble edit not functional. Insert edit is OK.  | XPRO 4.5.1<br>NCXP 5.5.1               | NCA 5.5.1                       | 4.5.1<br>NCXP<br>5.5.1    |
| Sony DRV-1000 | NTSC         | Digital Cut – Recording to tape is done in non-drop frame timecode. During digital cut, the client monitor is intermittently black and white although the material recorded on the tape is correct.<br><br>Device Notes – The unit will automatically eject the tape if it is rolled to the very beginning or very end.   | XPDV 4.0.x                             |                                 |                           |
| Sony DSR-DU1  | NTSC         | Device Setup – See Note <sup>4</sup><br><br>Digital Cut - This device performs linear digital cut only on the empty space of the disk drive. You cannot control timecode using deck control. Recording media from camera to disk works.   | XPDV 4.0.x                             |                                 |                           |
| Sony DSR-V10  | NTSC         | Digital Cut – Inconsistent results  | XPDV 4.0.x                             |                                 |                           |
| Sony DSR-11   | NTSC<br>PAL  | Device Setup – Cycle the power when switching between PAL and NTSC.<br><br>Mojo or Adrenaline – If you lose communication with Mojo or Adrenaline after connecting a FireWire camera or deck, there are several things you can do to correct the situation. Quit the application. Before re-launching, cycle the power going to the FireWire camera or deck. If the deck and camera goes into standby mode, unplug the power cable to clear the bus. After power is restored to the camera or deck, try starting the application. If there is still no communication with the Mojo or Adrenaline, power cycle the Mojo or Adrenaline. | XPDV 4.0.x<br>XPRO 4.0.x<br>NCXP 5.0.x | MCA 1.0.1<br>NCA 5.0.1          |                           |
| Sony DSR-25   | NTSC<br>PAL  | Device Setup – Cycle the power when switching between PAL and NTSC.   | XPDV 4.0.x                             |                                 |                           |

| Camera/Deck     | Video Format | Notes & Information   | Products Tested with Software Only     | Products Tested with Adrenaline | Products Tested with Mojo |
|-----------------|--------------|---|--|---------------------------------|---------------------------|
| Sony DSR-40     | NTSC         |   | XPDV 4.0.x                             |                                 |                           |
| Sony DSR-40P    | PAL          | Issues – Some customers have reported rolling video on the Client monitor with XPDV 3.5.4. We have not been able to reproduce this in-house.<br><br>Device Control Issues - Device control is not working properly in XPDV 3.5.4. You can download the correct machine template from the Avid Knowledge Center to correct this problem. | XPDV 4.0.x<br>XPRO 4.0.x<br>NCXP 5.0.x |                                 |                           |
| Sony DSR-45     | NTSC         | Device Setup – See Notes <sup>5</sup>   | XPDV 4.0.x                             |                                 |                           |
| Sony DSR-45P    | PAL          | Device Setup – See Notes <sup>5</sup><br><br>Digital Cut – frame accurate   | XPDV 4.5.1<br>XPRO 4.5.1<br>NCXP 5.5.1 | MCA 1.5.1<br>NCA 5.5.1          | XPRO 4.5.1<br>NCXP 5.5.1  |
| Sony DSR-50     | NTSC         | Device Setup – The video input setting on the side of this device must be set to DV.  | XPDV 4.0.x                             |                                 |                           |
| Sony DSR-250    | NTSC         |   | XPDV 4.0.x                             |                                 |                           |
| Sony DSR-1500   | NTSC         | Device Setup – See Notes <sup>6</sup><br>Digital Cut – Inconsistent results   | XPDV 4.0.x                             |                                 |                           |
| Sony DSR-1500A  | NTSC         | Device Setup – See Notes <sup>6</sup>   | XPDV 4.5.1<br>XPRO 4.5.1<br>NCXP 5.5.1 | MCA 1.5.1<br>NCA 5.5.1          | XPRO 4.5.1<br>NCXP 5.5.1  |
| Sony DSR-1500AP | PAL          | Device Setup – See Notes <sup>6</sup>   | XPDV 4.5.1<br>XPRO 4.5.1<br>NCXP 5.5.1 | MCA 1.5.1<br>NCA 5.5.1          | XPRO 4.5.1<br>NCXP 5.5.1  |
| Sony DSR-1800   | NTSC         | Device Setup – See Notes <sup>6</sup><br>Digital Cut – Inconsistent results   | XPDV 4.0.x                             |                                 |                           |
| Sony DSR-2000   | NTSC         | Device Setup – See Notes <sup>7</sup><br>Digital Cut – Inconsistent results   | XPDV 4.0.x                             | MCA 1.0.1<br>NCA 5.0.1          |                           |
| Sony DSR-2000P  | PAL          | Device Setup – See Notes <sup>7</sup>   | XPDV 4.0.x                             |                                 |                           |

| Camera/Deck                       | Video Format | Notes & Information   | Products Tested with Software Only     | Products Tested with Adrenaline | Products Tested with Mojo |
|-----------------------------------|--------------|---|--|---------------------------------|---------------------------|
|                                   |              | Digital Cut – Inconsistent results  |  |                                 |                           |
| Sony DSR-PD150                    | NTSC         | Device Setup – A/V->DV function must be set to OFF to see output on the Client monitor                                  | XPDV 4.0.x<br>XPRO 4.0.x<br>NCXP 5.0.x | MCA 1.0.1<br>NCA 5.0.1          |                           |
| Sony DSR-PD150P                   | PAL          | Device Setup – A/V->DV function must be set to OFF to see output on the Client monitor                                  | XPDV 4.0.x<br>XPRO 4.0.x<br>NCXP 5.0.x | MCA 1.0.1<br>NCA 5.0.1          |                           |
| Sony GV-D300                      | NTSC         |   | XPDV 4.0.x<br>XPRO 4.0.x<br>NCXP 5.0.x | MCA 1.0.1<br>NCA 5.0.1          |                           |
| Sony GV-D300E                     | PAL          |   | XPDV 4.0.x<br>XPRO 4.0.x<br>NCXP 5.0.x | MCA 1.0.1<br>NCA 5.0.1          |                           |
| Sony J-30                         | NTSC/PAL     | Must use RS-422 direct control<br><br>Capture – frame accurate.   | XPDV 4.5.1<br>XPRO 4.5.1<br>NCXP 5.5.1 | MCA 1.5.1<br>NCA 5.5.1          | XPRO 4.5.1<br>NCXP 5.5.1  |
| Sony PVW-2800<br><i>COMPONENT</i> | NTSC<br>PAL  |   |  | NCA 5.0.1                       |                           |
| Sony UVW-1800<br><i>COMPONENT</i> | NTSC<br>PAL  |   |  | NCA 5.0.1                       |                           |
| VLAN Control                      | NTSC/PAL     | Must use RS-422 direct control.<br><br>Capture – Capture from In point is inconsistent<br><br>VLAN driver is out dated. | XPDV 4.5.1<br>XPRO 4.5.1<br>NCXP 5.5.1 | MCA 1.5.1<br>NCA 5.5.1          | XPRO 4.5.1<br>NCXP 5.5.1  |

## Transcoders

|                   |             |   |                          |
|-------------------|-------------|---|--------------------------|
| Canopus ADVC-100  | NTSC<br>PAL | Device Setup – Avid recommends that you do not hot plug this device.<br><br>For NCXP 5.3.x only – Digital Cut Offset feature recommended. Images jitter and pixelization occurs on recorded tape. Input and output unstable. DV Analog modes might need to be cycled to initialize DV stream.   | XPDV 4.0.x               |
| Canopus ADVC-1000 | NTSC<br>PAL | Capture – DV offset of 1 is recommended for frame accuracy.<br><br>Digital Cut – Recycle power before switching modes to DV and SDI before performing a digital cut. Digital cut is not frame accurate. Media recorded to tape is off from the In point.  | XPRO 4.5.1<br>NCXP 5.5.1 |
| Como NTSC SDI     | NTSC        | There is no menu option to use with the Macintosh. Watch when switching video standards.<br><br>Capture – SDI input images shift down vertically about 20 lines.<br><br>Digital Cut – Records first frame 12 to 15 times at the beginning. Add black at the start of the sequence to workaround.<br><br>Menu options are unstable and can change unexpectedly. Settings are not saved when power is recycled. | XPRO 4.5.1<br>NCXP 5.5.1 |
| Como PAL SDI      | PAL         | There is no menu option to use with the Macintosh. Watch when switching video standards.<br><br>Capture – Isn't frame accurate. Capture offset recommended. PAL 411 is OK.<br><br>Digital Cut – Late 12 frames at the beginning. Digital cut offset –12 recommended.<br><br>Menu options are unstable and can change unexpectedly. Settings are not saved when power is recycled.                             | XPRO 4.5.1<br>NCXP 5.5.1 |
| Como ProSDI-MKII  | NTSC        | Not supported on Macintosh - There is no menu option to use with the Macintosh.<br><br>NTSC SDI & Analog – Not supported due to image quality.<br><br>PAL SDI & Analog supported.   | XPRO 4.0.x<br>NCXP 5.0.x |
| Data Video DAC-2  | NTSC<br>PAL |   | XPDV 4.0.x               |
| Formac Studio DV  | NTSC        | Device Setup - When using S-video In and FireWire Out, set mode to “A”  | XPDV 4.0.x               |

|                            |                    |  |                          |
|----------------------------|--------------------|--|--------------------------|
| Converter                  |                    | Notes – Analog video output quality is not good.   |                          |
| Laird Blue Flame Pro 5000A | NTSC               |  | XPDV 4.0.x               |
| Laird LTM-FFP              | NTSC               | Device Setup – Device requires reference.<br><br>Notes - Analog audio output is low  | XPDV 4.0.x               |
| Laird LTM-FFP              | PAL                | Device Setup – Device requires reference.<br><br>Notes - Analog audio output is low  | XPDV 4.0.x               |
| Laird LTM-5000B FS         | NTSC<br>PAL        |  | XPDV 4.0.x               |
| Laird LTM-5500             | NTSC               | Device Setup – Do not hot plug.<br><br>For NCXP 5.3.x only – Capture Offset feature recommended for frame accuracy. Images jitter slightly and audio might pop in Digital Cut.   | XPDV 4.0.x               |
| Laird LTM-5500             | PAL                | Device Setup – Do not hot plug.<br><br>For NCXP 5.3.x only – Capture Offset feature recommended for frame accuracy. Images jitter slightly and audio might pop in Digital Cut.   | XPDV 4.0.x               |
| Laird LTM-5500 FS          | NTSC               |  | XPDV 4.0.x               |
| Laird LTM-5500 FS          | PAL                |  | XPDV 4.0.x               |
| Laird LTM-6000C            | SDI/Analog<br>NTSC | Capture – Two frames earlier form the In point. Offset feature is recommended.<br><br>Digital Cut – Occasionally displays digital blocks on Client monitor.<br><br>Recycle the power when switching video mode. When switching from Decode to Encode (or vice versa), need to reconfigure the device in the Deck Configuration settings. | XPRO 4.5.1<br>NCXP 5.5.1 |
| Laird LTM-6000C            | SDI/Analog<br>PAL  | Capture – Two frames earlier form the in point. Offset feature is recommended.<br><br>Digital Cut – Occasionally displays digital blocks on Client monitor.<br><br>Recycle the power when switching video mode. When switching from Decode to Encode (or vice versa), need to reconfigure the device in the Deck Configuration settings. | XPRO 4.5.1<br>NCXP 5.5.1 |
| Laird LTM-6000 FS          | NTSC               | For NCXP 5.3.x only – Failed to DIO error. When switching from Decode to Encode (or vice versa), need to reconfigure the device in the Deck Configuration settings.  |                          |

|                    |             |   |            |
|--------------------|-------------|---|------------|
| Laird LTM-6000 FS  | PAL         | For NCXP 5.3.x only – Failed to DIO error. When switching from Decode to Encode (or vice versa), need to reconfigure the device in the Deck Configuration settings.   |            |
| Miranda DV Bridge+ | NTSC<br>PAL | Device Setup – Watch the switches on the back – PAL/NTSC, DV/DVCPRO, RS422 – set to “tributary”. Do not hot plug.<br><br>Issues – AES/EBU output inconsistent.<br><br>For NCXP 5.3.x only - Works fine with DVCPRO option PAL.  | XPDV 4.0.x |
| ProMax DA-MAX+     | NTSC<br>PAL | Tested with firmware upgrade 56, SDI & Analog.<br><br>Device Setup - When switching between PAL and NTSC, disconnect the power source on the transcoder. Cycling the power will not change the mode because when it is powered off, it's in standby mode. Requires reference that can be done via the composite input connector.<br><br>For NCXP 5.3.x only – Intermittent audio disappearance. | XPDV 4.0.x |

#### <sup>1</sup> Panasonic AG DVX-100E & AG-DVX-100P Device Setup

- Make sure the device is in VTR mode by toggling the button on the front of the camera.
- Pertinent menu settings on the camera
  - Recording Setup
    - REC SPEED - **SP**
    - 1394 TC REGEN - **OFF**
    - TC MODE - **DF/NDF** - **SHOULD MATCH THE TAPE IN DEVICE**
    - TCG - **REC RUN**
    - FIRST REC TC - **REGEN**
  - AV In/Out Setup
  - DV OUT - **OFF** (may not be pertinent)

#### <sup>2</sup> Panasonic AJ D250E & AJ-D250P Device Setup

- Input switch on front panel of deck must be set to OPTION
- Make sure the deck is in REMOTE mode.
- Deck Menu Setup

- 
- 102 - S/F/R EE SEL TAPE
  - 106 - AUTO BACK ON
  - 107 - FORMAT SEL DVCPRO
  - 204 - ACK RETURN ON
  - 208 - REMOTE SEL 1394
  - 503 - TC REGEN TC
  - 506 - TC MODE I-REG
  - 509 - TCG CF FLAG OFF (ON for Mojo/Adrenaline)
  - 604 - FREEZE SEL FRAME
  - 605 - IN FROM DET FORCED
  - 606 - STD/NSTD SEL AUTO
  - 800 - DIF SPEED S200
  - 802 - DIF IN CH 0 (63 for Adrenaline/Mojo)
  - 803 - DIF OUT CH 0 (63 for Adrenaline/Mojo)
  - 805 - DIF REC SEL ERASE
  - 806 - DIF CONFIG 10 (DFLT for Adrenaline/Mojo)
  - 807 - DIF STD IN OFF (ON for Adrenaline/Mojo)
  - 808 - DIF AUD SEL DIF

### <sup>3</sup> Panasonic AJ-D455E & AJ-D455P Device Setup

- Relevant Menu Settings
  - 106 - PLAY DELAY 0
  - 109 - EJECT EE SEL EE
  - 110 - F/R EE SEL EE
  - 110 - STOP EE SEL EE
  - 201 - 9P SEL **OFF**
  - 202 - ID SEL **DVCPRO**
  - 220 - AV/C CMD SEL **ON**
- 303 - STD/NON-STD **AUTO**
- 304 - SERVO REF **AUTO**
- 313 - AFTER CUE-UP **STILL**
- 503 - TC REG **TC (at least)**
- 504 - REGEN MODE **ON**
- 510 - RUN MODE **FREE**
- 882 - DIF IN CH **AUTO (use 63 w/FireBOB Pro)**
- 883 - DIF OUT CH **AUTO (use 63 w/FireBOB Pro)**

- 
- 886 - DIF CONFIG **DFLT**
  - **Relevant Panel Switches**  
Video In - DVCPRO/DV

#### <sup>4</sup> **Sony DSR-DU1 Device Setup**

##### Menu Settings

- PAGE 0
  - MODE - STD
  - MPC REM - DIS
- PAGE 2
  - TCG - REC
  - PC PRESET - 0s
  - UB PRESET - 0s
  - FRAME - DF
- PAGE 3
  - DELETE - LAST
  - MPARAREC - OFF
  - CACHE - 0s
- PAGE 5
  - PB INHIBIT - ON (Tai has OFF)
  - TALLY - ON
  - DELETE - ALL
  - ENHANCE - OFF

#### <sup>5</sup> **Sony DSR-45 & DSR-45P Device Setup**

- Input Selection on front panel set to DV.
- Device must be in REMOTE mode.
- Menu Setup
  - TC/UB SET: DV TC IN INTERNAL
  - TC/UB SET: TC MAKE REGEN
  - TC/UB SET: TC RUN FREE RUN
  - TC/UB SET: JOG TC OUT OFF
  - DISPLAY SET: PB/EE SEL EE
  - REC SET: REC MODE DV or DVCAM (should match tape)

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<sup>6</sup> **Sony DSR-1500, 1500A, 1500AP, 1800** *(There may be some minor variations between these devices for these settings).*

- Put this device in Remote mode with button on front panel
- Set the Remote setting to iLINK. The bottom right corner of display panel will say REMOTE with iLINK below it.
- To have the Client monitor work properly, set the menu option AUTO EE SELECT as follows:
  - Cassette out = EE
  - Stop = EE
  - Standby off = EE

### <sup>7</sup>**Sony DSR-2000/2000P Deck Setup**

#### Relevant Deck Menu Settings

- 108 Auto EE Select S/F/R
- 109 Forced EE When Tape Unthread ON
- 308 Selection of Std/Non-Std for Analog Video In STD
- 319 PreRead Select A/V
- 605 TC Regen Mode TC&UB
- 607 U-Bit Binary Group Flag 000
- 610 Regen Control Mode AS&IN (regardless of the setting of the INT/EXT-PRESET/REGEN switch, in assemble or insert editing, the timecode generator regenerates according to the timecode on the tape.
- 611 TC Output Phase In EE Mode MUTE
- 612 TC Output Mute In Search Mode **ON**
- 613 VITC Output **VITC**

#### Deck Panel Settings

- Input Select - SDTI/iLink
- Remote - on
- iLink - on
- TC Generator - middle setting
- Free run
- VITC - off
- TC Select TC
- Process Control local

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**Revision History:**

10/5/03 – Added info. about Mojo and Adrenaline to Sony DSR-11.

11/6/03 – Adjusted the DIF firmware revision number for the Panasonic AJ-D250E/P.

12/17/03 – Updated column headings for clarity.

9/12/04 – Added DV Devices tested for the X.5.1 release.