



## Avid<sup>®</sup> DS<sup>™</sup> v10.1.2 ReadMe

Avid recommends that you read all the information in this document before using Avid DS v10.1.2.

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### Installing Avid DS v10.1.2

Install Avid DS v10.1.2 from the Avid DS Support Centre at [www.avid.com/ds/support](http://www.avid.com/ds/support) or the Avid Download Centre at [www.avid.com/support/downloadcenter/index.asp](http://www.avid.com/support/downloadcenter/index.asp). This version is a patch to update Avid DS v10.1. It also includes the preceeding patch v10.1.1.

Full installation instructions are provided with the installer. Please read them carefully as they do require driver upgrades as well.

### Supported Platforms and Operating Systems

Avid DS is offered on Windows XP 64-bit for all hardware-based systems, and both 64-bit and 32-bit for software-only systems. Security Updates for Windows are also supported.

The 32-bit Nitris hardware system and Equinox-based platforms are not supported by Avid DS v10.0.

The following platforms are supported for Avid DS v10.0:

- HP xw8600/Dual-link/XP64
- HP xw8400/Nitris/Dual-link/XP64
- HP xw9300/Nitris/Dual-link/XP64
- HP xw8200/Nitris/XP64 (Dual-link is not supported on the xw8200)

#### New Platform

The new system for Avid DS is based on the HP xw8600 with the following specifications:

- Intel dual quad-core - E5545@3.00 GHZ
- 8 GB RAM
- BIOS 1.32
- NVIDIA Quadro FX3700 PCI-E 2.0

- Dual-link HD SDI board (AJA Xena 2Ke)
- The platform also comes with the 30" LCD monitor (HP LP3065) with a resolution of 2560x1600. A new layout is available for this single widescreen monitor, and will automatically display when the monitor is installed.

### Operating System

Your Avid DS workstation comes pre-installed with the Microsoft Windows XP Professional x64 Edition operating system, Service Pack 2, approved Windows Security Updates and all required Avid DS drivers.

### Supported Storage and Cards

The following cards are supported when connecting to the respective storage:

Storages	Card
SAS—Avid VideoRAID SR	Onboard built-in LSI-Logic SAS 3000 1068e
SCSI—Avid VideoRAID RTR (2x10-bay), MediaDock LVD, and MediaDock Ultra320	Atto UL5D U320
Avid Unity MediaNetwork	Atto Celerity FC-41ES
Avid Unity ISIS	Onboard built-in Broadcom netXtreme 1GB NIC

#### Notes:

- Existing dual-boot systems are still supported, and customers may upgrade to DS v10. However, no new systems are shipping from Avid.
- Windows XP 32-bit will only be offered with Avid DS Training Edition or Avid DS in software-only mode.
- For Avid DS and Avid DS Training Edition software, a NVIDIA Quadro card is required. See the Avid DS Support Site at <http://www.avid.com/ds/support> for additional qualified cards.
- If your system is equipped with an NVIDIA Quadro FX-3700, FX-4600 or FX-5600, the real-time GPU processing will be enabled.

## Avid DS and Interplay System Requirements

Using Avid DS with Interplay requires the following software and versions:

- Avid DS v10.1 or later.
- Avid Interplay Framework v1.1.8
- Interplay Access v1.2.x

- Avid Interplay Transfer v1.2.x
- Avid Unity ISIS v1.4, v1.4.2, v1.5, v1.6 or v2.01 and Avid MediaNetwork 5.x.



*Avid DS supports a 1GB connection with one stream of 10-bit and 2 streams of 8-bit compressed media.*

## Additional Applications

### Avid DS Training Edition

The Avid DS v10.0 Training Edition is an academic software designed especially for training purposes. It does not require a license or dongle activation, and it is not for resale.

You can download this free 32-bit educational application from the Trial Products section of the Avid web site.



*IMPORTANT: Any project opened by the Avid DS Training Edition will be unusable by licensed Avid DS systems. To transfer a project from Avid DS to Avid DS Training Edition, the project must first be copied and that copy opened with Avid DS Training Edition.*

*Avid DS archives may be opened by the Training Edition. Any editions or modifications made to this archive are not legible by a licensed Avid DS system.*

### Avid Media Composer

With Avid DS v10.x, Avid MediaLog has been replaced by Avid Media Composer v3.x. The software can be installed on Windows XP Professional x64 Edition but only for Avid DS conform tasks. Avid does not support Avid Media Composer on this operating system for other purposes.

Avid DS v10.1.2 is compatible with Avid Media Composer v3.5 or later (software-only).

### Avid Metafuze

Avid DS v10.1.2 is shipped with Avid Metafuze v1.3.

## New Features

A full list of all new features for v10 is available in the Avid DS online help. Click the Contents tab and select *New in this Release*.

In addition, the following features were added in v10.1.1:

### Mocha Tracking Station Software

The Mocha tracking station software is included in the Avid DS v10.1.1 download.

After downloading, you must request a 30-day free trial licence from Imagineer Systems at [www.imagineersystems.com](http://www.imagineersystems.com). Should you want to use it past the 30 days, you will be required to purchase a license from the website.

### **RED Files Support**

- Ability to capture and link native RED files.
- Ability to conform RED sequences (AFE and EDL) from an Avid editing system.
- 2K, 3K, and 4K presets are available when creating a RED project or sequence.
- Ability to load RLX files that are generated by RED's Red Alert and Red Rush applications.

### **2K/4K Proxy**

Ability to use HD RGB 4:4:4 proxy when working with film formats.

### **Conform**

- Ability to conform native P2 spanned clips.
- Recapturing clips that do not have a LUT will use the sequence LUT rather than the linear LUT.

### **General Enhancements**

- Ability to output Quicktime reference files using 64-bit version of Avid DS.
- The AJA driver has been updated to v6.5.
- Improved performance when capturing file-based material in a large sequence with a populated timeline.
- Improved performance when editing and navigating the timeline when linking to multiple DPX media.

### **Avid MetaFuze Enhancements**

- Ability to scan and transcode RED files.
- Ability to load RLX files generated by RED's Red Alert and Red Rush applications.
- By default, DPX and RED files are converted to ITU 709 color space.

## **Software Fixes in v10.1.2**

A new document, *Avid DS Hi-Res Workflows and Color Guide*, is now available with this release. It provides detailed procedures for high-resolution and film workflows as well as the color management process in Avid DS.

The following issues have been fixed in this version:

- Avid DS v10.1.2 and Avid MetaFuze v1.3 can now be installed on the same machine.

- Support same level of conform with Color Correction from Avid Media Composer 3.5 sequences.
- Fix in the dual-link (AJA LHe) card for scrubbing of uncompressed media.
- Video HAL error generated when playing linked DPX files.
- Improved AJA accuracy on both capture and output and eliminated retries on output (our tests are now showing 100% accuracy on all supported platforms).
- Codec fix: Intermittent DEADLOCK or CRASH when digging into a cached section of a composite container.
- Avid DS on Interplay can now play back clips using the Dynamic Relinking in an Avid editor.
- The correct LUT is now being applied when recapturing 4:4:4 media from the timeline.
- Fix of corruption/crash/deadlock when using containers.
- The correct XLR timecode values are now being transferred from an Avid DS Nitris workstation.
- Fix for performance/corruption issues due too many iterations in the Avid Explorer.
- Fix of crash when working with R3D files on 32-bit systems.

#### **RED Workflow Fixes**

- EDL conform is now operating correctly.
- Enhanced source name matching to better conform RED media.
- You can save your RED file settings as an RLX (in the RED Import dialog box).
- The RED format is now available in the Avid DS Training Edition, however, when working with RED media, you must use the 64-bit version of the Avid DS Training Edition.

## **Software Fixes in v10.1.1**

The following issues were fixed in v10.1.1:

- Audio repetition and accuracy issues on HP xw8600 Dual-link HD SDI board (AJA Xena 2Ke) systems.
- Frames dropping when playing back big endian DPX files.
- Timeline to MC command with the Interplay Check-In option selected causes a crash.
- Improper archiving/restoring of MXF media.
- When switching between Details/Thumbnails/List view in the Avid Explorer, the thumbnail clip does not display properly.
- Thumbnails in the Avid Explorer do not update after conforming a sequence.
- Restored DNx material does not reconnect to the master clips.
- Conforming an AFE with an MXF alpha may crash Avid DS.

- Using unclamped log and gamma LUTs may cause some data loss.
- Processing SD 10-bit material may cause problems on random frames (Avid DS Nitris systems only). This fix improves the rendering speed when rendering to 10-bit uncompressed media or DNxHD on HP xw8400 and xw8600 systems.

## Licensing

Licensing instructions, from how to extract a dongle ID to installing a license file, as well as troubleshooting instructions can be found from the Start menu.

Go to **Start > All Programs > Avid > Avid DS v10.1 > Licensing Instructions**.

You can also find this information on the Licensing page of the Avid DS Support Site at [www.avid.com/ds/support](http://www.avid.com/ds/support).



*IMPORTANT: Any project opened by the Avid DS Training Edition will be unusable by licensed Avid DS systems. To transfer a project from Avid DS to Avid DS Training Edition, the project must first be copied and that copy opened with Avid DS Training Edition.*

*Avid DS archives may be opened by the Training Edition. Any editions or modifications made to this archive are not legible by a licensed Avid DS system.*

## Known Limitations

For a complete and updated list of known issues and limitations, go to Avid DS Customer Support Site at [www.avid.com/ds/support](http://www.avid.com/ds/support) or the Avid Knowledge Base at [www.avid.com/onlinesupport](http://www.avid.com/onlinesupport).

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