



Avid® DS™ 10.5.1 ReadMe

Avid recommends that you read all the information in this document before using Avid DS 10.5 or later.

For a complete and updated list of known issues and limitations, go to Avid DS Support Center at www.avid.com/ds/support or the Avid Knowledge Base at www.avid.com/onlinesupport.

For links to specific information, see the following topics:

- [Avid DS Product Family](#)
- [Supported Platforms and Operating Systems](#)
- [Additional Applications](#)
- [Products Qualified with Avid DS](#)
- [Avid DS Enhancements](#)

Avid DS Product Family

The following options are available for the Avid DS product:



Avid DS v10.5

- Avid DS: with dual link AJA card for capture/output.
 - full capture and output



Avid DS v10.5
(software)

- real-time playback
- Avid DS (software)
 - no capture or output
 - unguaranteed real-time playback



Avid DS v10.5
(graphics
link)

- Avid DS (graphics link): with graphics card for external monitoring
 - no capture or output
 - real-time processing by GPU



Avid DS NP
v10.5

- GPU drives the output to an external monitor (upto RGB 4:4:4)
 - audio still handled by dual-link card

- Avid DS RP
 - handles processing of effects from Avid DS workstations in the workgroup

Avid-Certified Systems

With this latest version of Avid DS, you have the option of either buying an Avid-certified workstation, or purchasing your own “generic” system.

A Generic Avid DS workstation is a self-built system using equipment qualified by Avid.

An Avid-certified Avid DS workstation is a system built and sold by Avid. It is tested and guaranteed by Avid against software defects, and guarantees media I/O and real-time playback for all supported formats.

If Avid-certified equipment is not used, Avid DS is not guaranteed to maintain synchronized audio and video capture, nor real-time playback. Refer to the Avid DS Support Center at www.avid.com/ds/support for the list of minimum system requirements for an Avid DS system.

Supported Platforms and Operating Systems

Avid DS is now offered on Microsoft Windows 7 64-bit Professional for both hardware-based and software-only systems. Security Updates for Windows are also supported.

The following platforms are supported:

- HP Z800/Dual-link
- HP xw8600/Dual-link



The 32- and 64-bit Nitris hardware and Equinox-based platforms are not supported by this version of Avid DS.

Please Note:

- Avid is no longer shipping dual-boot systems. For existing dual-boot systems, please refer to the Avid DS Support Center website (Configurations > Dual Boot Compatibility) for the qualified support.
- For Avid DS and Avid DS Training Edition software, a qualified graphics card is required. See the Avid DS Support Center for additional qualified cards.
- The Graphics-Link mode allows you to direct your output to an external monitor for viewing of high-res sequences (HD or higher). You can use the Graphics-Link mode if your system is equipped with a qualified card.
- Real-time GPU processing is automatically available if your system is equipped with a qualified card.

New Platform

The HP Z800 workstation, with new architecture delivers significant performance and productivity improvements. These are the specifications:

- Dual Intel® 6-Core Xeon® X5650 processors (2.66 GHz, 8 MB cache, 1333 MHz memory).
- Requires 6 GB RAM. (Optional 12 GB configuration available. Refer to the Avid DS HP Z800 Workstation Configuration Guidelines, or contact your reseller for details.)
- NVIDIA Quadro FX 4800 (supporting the Graphics-Link option)
- 320 GB SATA-II 3GB/s 7200 RPM hard disk drive.
- Dual-link HD SDI board (AJA Kona 3)



The AJA Kona 3G is not yet supported in this release.

- Wacom Intuos 4 tablet
- The platform also comes with a 30" LCD monitor with a resolution of 2560x1600. A special layout is available for this single widescreen monitor, and will automatically display when the monitor is installed.



Please consult the NVIDIA driver installation instructions on the Avid DS Application DVD to properly configure the graphics card for Avid DS.

Operating System

The Avid® DS workstation comes pre-installed with the Microsoft Windows 7 operating system. Avid DS will run best after some minor changes to the default Windows 7 operating system. Refer to the optimization instructions on the Avid DS DVD or the Avid DS Support Center.

Avid DS Qualified Drivers

The Avid® DS setup does not install any drivers. These must be installed separately depending on the hardware components that you add to your system.

Documentation requires Adobe Reader v6.0 or greater

To read the Avid DS documentation and perform full text searches, you must use Adobe Reader v6.0 and greater. You can update to the free Adobe Reader at Adobe's web site: www.adobe.com.

Additional Applications

With every full version of Avid DS, Avid is also bundling a free copy of Avid Media Composer 5 (software-only) that also runs on Windows 7.

Media Composer is enabled by a software activation key instead of a dongle. For details on activating the software, see the *Installation Guide for Avid Editing Applications*.

Avid DS Training Edition

The Avid DS 10.5 Training Edition is an academic software designed especially for trial and training purposes. This edition does not have media input, output, or processing capabilities. You can install this free educational application from the Avid DS DVD or download it from the Avid web site.



IMPORTANT: If you start your Avid DS without a license, it will open the Training Edition instead. 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 DS-Sapphire Bundle

If you purchased the Avid DS-Sapphire bundle, you can request the Sapphire promotion code at the same time that you submit the request for your Avid DS license. Instructions for installing and acquiring your Sapphire software will be provided electronically with your Avid DS License Confirmation email.

Products Qualified with Avid DS

The following products have been qualified with this version of Avid DS:

Avid Media Composer 5.5.x Compatibility

Avid DS 10.5.1 is compatible with Avid Media Composer 5.5.2.

Avid MetaFuze Compatibility

Avid DS 10.5 and 10.5.1 are compatible with Avid MetaFuze 2.5.

Avid ISIS 5000 3.2 Client Support

Avid DS 10.5.1 on Windows 7 clients with a 1 GB Ethernet connection are supported on Avid ISIS 5000 and later. Please note the following:

- 10-bit DNxHD media playback is limited to 1 stream in the above qualification.
- 10-Gbit Ethernet connections to Avid ISIS are not qualified for use with Avid DS.

Avid MediaNet 5.1 Compatibility

Avid DS 10.5 and later is supported on Avid MediaNet 5.1.

The number of streams and clients supported depends on your MediaNet configuration. Refer to the storage table on the Avid DS Support Center.

Supported Storage and Cards

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

Storages	Card
SAS—Avid VideoRAID SR, Xtore StudioRAID 16Re 16TB	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 ISIS	Intel Pro1000 PT

Third-Party Plug-ins

Please refer to the Avid DS Support Center for the current plug-in support. <http://aviddsupport.avid.com/index.htm?section=download/plugin-ins.htm>

Avid DS requires QuickTime v7.6 or greater

To capture and link to any Quicktime files (including the ProRes format), you must have QuickTime v7.6 or greater. The latest version is available on the Avid DS 10.5 DVD.

Installing Avid DS 10.5.1

Download Avid DS 10.5.1 from the Avid Download Centre at www.avid.com/support/downloadcenter/index.asp.

- This is a full version of the software so any previous versions must be uninstalled.
- If you are installing Avid DS on a new hardware system, you will require a new license—see Licensing Instructions below.
- If you have upgraded any hardware on your system, you will require a new license.
- An Avid DS 10.5 license activates the application to use the AJA Kona 3 and/or the Graphics-Link hardware (if present), or to use Avid DS in software-only mode. A separate license activation is required for Avid DS RP (remote processing station).

Installing Avid DS 10.5.1

- UNINSTALL Avid DS 10.5.
- Download the AvidDS_v10_5_1.zip file or insert the Avid DS DVD.
- Run the Autorun.exe.
- Click the Avid DS 10.5 Installation Instructions and follow the guidelines provided.

Licensing Instructions

All licensing instructions, such as extracting a dongle ID to installing a license file, or troubleshooting issues, can be accessed from the Start menu.

Go to **Start > All Programs > Avid > Avid DS 10.5 > Licensing Instructions**.

You can also find this information on the Licensing page of the Avid DS Support Center at 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.

Installing the ARRI Plug-in

If you intend to use media from an ARRI digital film camera, you must install the ARRI plug-in which can be downloaded directly from the ARRI web site at <http://www.arri.de/>.

Avid DS Enhancements

Conform

- Avid has improved support for RED offline-online using AMA. If you used AMA to link to your RED or QuickTime media during the offline editing session, these links will be preserved when you export the AFE of the sequence.
 - If you are using a shared storage area, simply make sure that Avid DS has access to this media.
 - If you have transferred media from the Media Composer system to a different location so that it can be accessed by Avid DS, you must enter the new path in Default Files Path. Otherwise, you must recreate the same path on your Avid DS storage and place the source media in that location.
- RED Color Science 2 Support: The RED Import dialog box now has new parameters to reflect the color science enhancements from RED. If you are working on a project using media shot on a camera with a previous version from RED, then you will have to make

sure that you have the corresponding RSX files to preserve the Color Science 1 settings. If Avid DS does not find the RSX files, then it will automatically switch over to Color Science 2.

- The *Avid High-Resolution Workflows* guide has been updated to reflect the new conform workflows when using Avid products for editing and finishing of RED, ARRI, DPX and other high-resolution media.

The *Avid DS Conform Guide* now provides more detailed information on how to successfully conform your projects from Avid Media Composer to Avid DS. Refer to the section on “Conform Guidelines”.

QuickTime

- There have been several improvements to the QuickTime import/export function. The QuickTime codec has been updated to support color-managed 10-bit and 16-bit RGB media. This includes native YUV import/export to avoid unnecessary color space conversions to RGB. It also includes automatic detection of 601 or 709 encoding. For example, ProRes 422 will be read as YUV 4:2:2, and ProRes 444 will be read as 16-bit RGBA to ensure the best quality possible.



The AVI Reference export option has been removed from the output panel as it is not supported by Windows 7. Use the To QT Ref option instead.

- Improvements have also been made to the loading, capturing and generation of PNG, TGA and Animation files in Avid DS.
- For Windows Media Encoder users: Microsoft has a new application called Expression Encoder that replaces Windows Media Encoder, and that supports Quicktime as an input format. You can download it from:
http://www.microsoft.com/expression/products/EncoderPro_Overview.aspx

Other

- Performance Optimization for DPX Files: When linking to a series of DPX files, the loading and timeline manipulation time has been significantly improved.
- Promotion of AVX 1 effects to AVX 2: New settings have been added to the User Preferences > General page that convert AVX1.x to AVX2 effects during the load or conform of Avid sequences.
- A combined \MediaStorage folder to hold both your audio and video media. During the Avid DS 10.5 installation, simply set the audio and video storage options to the same drive letter.

The DS System folders have also changed due to Window 7 requirements. For more information, see “About your Local Storage” in the Avid DS Help.

Legal Notices

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