



Avid® Editing Application

ReadMe for Media Composer® v2020.4

Revision History

Date	Description
May 7, 2020	Fixed a hyperlink error.
April 29, 2020	Updated Fixed in Media Composer v2020.4 .
April 27, 2020	Updated Fixed in Media Composer v2020.4 , and Limitations .

IMPORTANT: Avid periodically makes software updates available for download on [Avid.com](http://www.avid.com/us/support/downloads) at the following location: www.avid.com/us/support/downloads. Please check the above site regularly for information on available downloads for your product.

Important Information

Avid® recommends that you read all the information in this ReadMe file thoroughly before installing or using any new software release.

Important: Search the Avid Knowledge Base for the most up-to-date ReadMe file, which contains the latest information that might have become available after the documentation was published.

This document describes compatibility issues with previous releases, software installation instructions, hardware and software requirements, and summary information on system and memory requirements. This document also lists hardware and software limitations.

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Symbols and Conventions

Avid documentation uses the following symbols and conventions:

Symbol or Convention Meaning or Action



A note provides important related information, reminders, recommendations, and strong suggestions.



A caution means that a specific action you take could cause harm to your computer or cause you to lose data.



A warning describes an action that could cause you physical harm. Follow the guidelines in this document or on the unit itself when handling electrical equipment.



A user tip provides a helpful hint that can aid users in getting the most from their system.



A shortcut shows the user keyboard or mouse shortcuts for a procedure or command.

Symbol or Convention	Meaning or Action
>	This symbol indicates menu commands (and subcommands) in the order you select them. For example, File > Import means to open the File menu and then select the Import command.
▶	This symbol indicates a single-step procedure. Multiple arrows in a list indicate that you perform one of the actions listed.
(Windows), (Windows only), (macOS), or (macOS only)	This text indicates that the information applies only to the specified operating system, either Windows or macOS.
Bold font	Bold font is primarily used in task instructions to identify user interface items and keyboard sequences.
<i>Italic font</i>	Italic font is used to emphasize certain words and to indicate variables.
Courier Bold font	Courier Bold font identifies text that you type.
Ctrl+key or mouse action	Press and hold the first key while you press the last key or perform the mouse action. For example, Command+Option+C or Ctrl+drag.
(pipe character)	The pipe character is used in some Avid product names, such as MediaCentral Production Management. In this document, the pipe is used in product names when they are in headings or at their first use in text.

If You Need Help

If you are having trouble using your Avid product:

1. Retry the action, carefully following the instructions given for that task in this guide. It is especially important to check each step of your workflow.
2. Check this ReadMe file for the latest information that might have become available after the documentation was published. Also check online for the most up-to-date ReadMe because the online version is updated whenever new information becomes available. To view the online ReadMe, select ReadMe from the Help menu, or visit the Knowledge Base at <http://www.avid.com/readme>.
3. Check the documentation that came with your Avid application or your hardware for maintenance or hardware-related issues. In addition to the printed documentation supplied with your editing application, the documentation is supplied in PDF format when you install the application. Topics that you print from the Help have limited page layout and formatting features. If you want to print a higher quality version of Help information, Avid recommends

that you print all or part of the PDF version of the appropriate Avid manual included in the Online Library for your editing application. To access the Online Library, select Help > Online Library from within your Avid editing application.

4. Visit Avid Online Support at www.avid.com/onlineSupport/. Online support is available 24 hours per day, 7 days per week. Search the Knowledge Base to find answers, to view error messages, to access troubleshooting tips, to download updates, and to read or join online message-board discussions.

Media Composer Notes



(mac Only) macOS Catalina does not support 32 bit applications. The legacy Title Tool, Marquee Title Tool and QuickTime legacy codecs are no longer installed when you install Media Composer. If you are installing Media Composer v2020.4 on a system with a pre-Catalina OS, a separate installer is provided that allows you to choose to install the Title Tool, Marquee, and QuickTime legacy codecs. Only install legacy codecs if QuickTime is installed on your system. The installer is Media Composer Legacy Components 2020.4 Mac. You can get the installer from MyAvid, Link, or the download center.



MCDEV-11537 If you intend to use full-frame stereoscopic with an Avid Artist DNxIQ, you may want to remain with Media Composer v2018.12.x until the issues with Stereoscopic support are resolved in a future version.



(Mac) You might receive an “Is not optimized for your Mac” message while launching Media Composer for the first time on a Mac OS 10.14.x system. Press OK to continue.

- (MCCET- 2541) When working with Avid Artist DNxIO or Avid Artist DNxIQ, you should disable the Line In recording input (BlackMagic Audio in the Windows OS).
- Avid recommends that you **do not** install Desktop Video software version 10.10.1 on Media Composer versions prior to v2018.5.1.
- **Avid Artist DNxIO and Avid Artist DNxIQ:** If you are using Avid Artist DNxIO, Avid Artist DNxIQ, or a BlackMagic Designs video device, please update to Desktop Video software version v11.0 or higher. If you are using Avid Artist DNxIV and Avid Artist DNxIP please update to AJA software v15.2 or later.
- **Qualified Operating Systems:** For information on qualified operating systems, see [Qualified Hardware and Operating Systems](#).
- **Dongle Info (Mac Only):** The Dongle Sentinel driver installer is no longer automatically installed when you install the editing application. The driver is now located in the Avid_Utilities folder (/Applications/Utilities/Avid_Utilities/Sentinel_Driver). If you have a dongle, manually install the driver from this location.



When installing the Sentinel Driver, check your System Preferences and select “Security and Privacy.” You may need to choose to Allow the driver to be accessed.

Changed in Media Composer v2020.4

For details on new features, see the [What’s New v2020.4 document](#).

In addition to the new features, Media Composer now includes a **dnxmov2mxf** executable in the `\Program Files\Avid\Avid Media Composer\SupportingFiles\Utilities` folder. This executable allows you to manually convert MOV files with DNX essence with separately stored alpha to an MXF OP1a file with DNX essence and embedded alpha.

The tool is available for Windows, osX and Linux. To run on Windows, Visual C++ Redistributable for Visual Studio 2015 or Visual C++ Redistributable for Visual Studio 2017 is required.

Run the command from a command prompt on Windows or from terminal on macOS.

DNXMOV2MXF usage is:

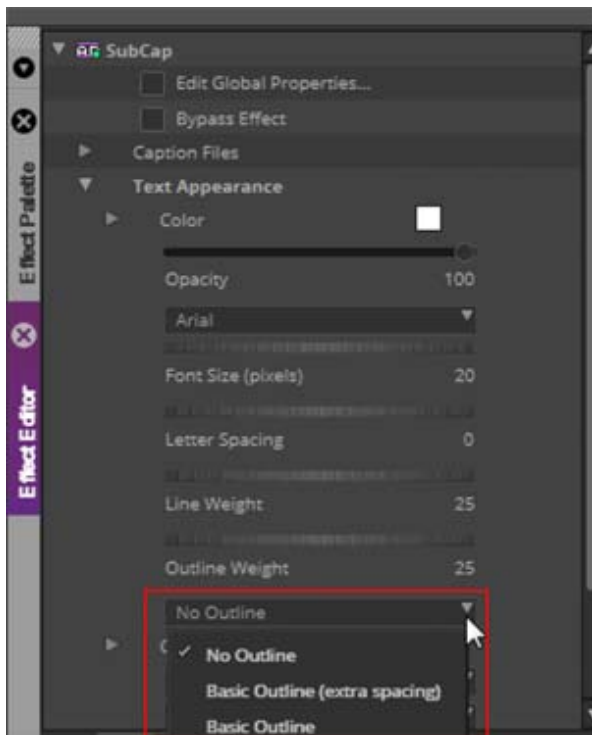
```
dnxmov2mxf path_to_mov [path_to_mxf]
```

Fixed in Media Composer v2020.4

The following have been fixed:

- **Bug Number:** MCCET-3455. Dynamic Relink will now properly relink to either XAVC 100 or XAVC HD Intra CBG Class 100.
- **Bug Number:** MCCET-3439. If Run Length Encoded (RLE) was enabled in the Import Setting, you might have received errors or a system hang when importing MOV files.
- **Bug Number:** MCCET-3265. In some instances, you could not link and consolidate/transcode QuickTime XDCAM HD 422.
- **Bug Number:** MCCET-3383. The Project interface flashed when clicking in the project, and opening or saving bins.
- **Bug Number:** MCCET-3461. Audio frames might have been missing after performing a mixed down or an export.

- **Bug Number:** MCCET-3552. If you had multiple floating bins, the application responsiveness was slow.
- **Bug Number:** MCCET-3482. When working with Dynamic Relink, if relink was set to Highest Quality and you do not have access to the drive containing the highest quality media, you received a “cannot find file requested” error message rather than remain linked to the lower resolution media.
- **Bug Number:** MCCET-3316. When working with the SubCap effect, the Outline Weight behaved differently in Media Composer v2018.x and above (the space between the letters became larger) compared to Media Composer v8.x. In order to fix this, the Outline Weight includes two options to choose from: Basic Outline and Basic Outline (extra spacing.)



- **Bug Number:** MCCET-3553. The editing application would sometimes crash when switching between bin layouts.
- **Bug Number:** MCCET-3233. If there is a filler between segments, jumping to specific timecode did not work properly.

- **Bug Number:** MCCET-3329. With certain keystroke combinations you might have experienced behavior such as slow motion frames or K not stopping playback.
- **Bug Number:** MCCET-3530. Segments were deselected if you switched between red and yellow Segment mode.
- **Bug Number:** MCCET-3421. In some instances, the bin would hang or crash when trying to open the bin.
- **Bug Number:** MCCET-3307. When working in the Color Workspace, user interface responsiveness was slower in the Effects Editor window than in the Color Correction window.
- **Bug Number:** MCCET-3537. Saving a new workspace with single monitor selected, switches back to dual monitor unless you re-save the workspace.
- **Bug Number:** MCCET-3436. Remapped keyboard shortcuts did not work when Bin Container Sidebar was the active window.
- **Bug Number:** MCCET-3275. Using an anchor when synchronizing a SubCap effect did not work.
- **Bug Number:** MCCET-3069. (NRCS Tool) You might have experienced issues on your first attempt at scrolling down and clicking at the bottom of the Story Panel.
- **Bug Number:** MCCET-3545. Duplicate shortcut (Ctrl+D) was not working in Script View.
- **Bug Number:** MCCET-3487. Assigned local clip colors changed to default when the volume was adjusted.
- **Bug Number:** MCCET-3564. When XAVC files were linked when Dynamic Relink was enabled, that Data track displays as Media Offline.
- **Bug Number:** MCCET-3562. Media Composer crashed to BreakPad during Send To Playback if background check in was enabled.
- **Bug Number:** MCCET-3473. In some instances, you received a “You cannot import this file into a bin” message when trying to import a file you previously exported.
- **Bug Number:** MCCET-3429. The Segment mode and Trim type were reverted to default (Red/Yellow) after using the Smart Tool toggle to re-enabled the Smart Tool.
- **Bug Number:** MCCET-3115. In some instances, Import and Export Options windows were unresponsive.

- **Bug Number:** MCCET-3403. If you had many bins and at least one folder, the Sidebar and Project window bin list scrolled to the top when you closed a bin.
- **Bug Number:** MCCET-3325. Title Tool text was thicker over a still image imported with Long GOP, for example, XDCAM HD 50.
- **Bug Number:** MCCET-3434. There was no audio when linking and importing .mts and .m2ts files on Media Composer v2019.12.
- **Bug Number:** MCCET-3274. On a dual monitor system, Media Composer would not maximize after you minimized the application. Note: Now, when you hover over the Windows taskbar, clicking the monitor icon will maximize the user interface across both monitors.
- **Bug Number:** MCCET-3332. AAF exports from Media Composer v2018.12.8 and v2019.9 did not import into Pro Tools.
- **Bug Number:** MCCET-3164. You could not export to a P2 volume. This has been fixed. You must have Panasonic-P2 4.9.0.4 plug-in installed.
- **Bug Number:** MCCET-3448. You might have received “Assertion failed” errors and audio channels offline when opening a sequence restored from archive.
- **Bug Number:** MCCET-3451. The AudioSuite Vari-Fi effect was not working correctly.
- **Bug Number:** Film-1841. (Titler+) When stepping in side the Titler effect, the track labels are now clearer: V1 appears as Bkgd and V2 appears as Video Fill. You will also notice that in the Effect Editor, Blend appears as Video Fill Opacity.
- **Bug Number:** MCDEV-12408. (Titler+) In some instances, selecting multiple items resulted in applying the same color to both items.
- **Bug Number:** MCDEV-12364. (Titler+) Some fonts are applied as Arial instead of the actual font.
- **Bug Number:** MCDEV-12378. (Titler+) Just clicking on a text box moved the text alignment.
- **Bug Number:** MCDEV-12118. (Titler+) You could not immediately perform a delete after selecting all layers from the effect editor.
- **Bug Number:** MCDEV-12163. (Titler+) Typing values with a comma instead of a period reset the parameters to defaults.

- **Bug Number:** MCDEV-12081. (Titler+) When selecting the eyedropper in the Effect Editor color picker, you would lose the eyedropper icon as soon as you moved the eyedropper away from the color chip.
- **Bug Number:** MCDEV-11588. (Titler+) Shapes traded places after using “send to back” from the Effect Editor.
- **Bug Number:** MCDEV-12077. (Titler+) The Left, Center, Right alignment did not work for R-L fonts such as Arabic.
- **Bug Number:** MCDEV-10516. (Titler+) Gradient quadrants did not remain locked, relative to the characters when you rotated them.
- **Bug Number:** MCDEV-10096. (Titler+) The mouse cursor did not change to resizing arrows when you hovered over a vertical edge of the Composer window.
- **Bug Number:** MCDEV-10079. (Titler+) The font reverted to Arial after deleting the last character using backspace.
- **Bug Number:** Film-1838. (Titler+) A keyframe was automatically created if you typed text and then moved the text bounding box.
- **Bug Number:** Film-1790. (Titler+) Performing a Recreate Title Media will now open Avid Titler + and promote the title.
- **Bug Number:** MCDEV-12317. When using some old projects, the Settings Window may have a lot of missing settings.
- **Bug Number:** MCDEV-11342. If you closed the Color Correction Window in the default Color workspace, the Edit workspace did not open with the correctly sized Composer window.
- **Bug Number:** MCDEV-11709. The Name column did not appear first in the Media Tool.
- **Bug Number:** MCDEV-11947. New bins could be created in the Trash folder.
- **Bug Number:** MCDEV-12195. Launching a new project with a new user Profile opened a default bin as a floating window.
- **Bug Number:** MCDEV-12374. In some instances, changing clip color for items in a sifted bin, changed color for unsifted items too.
- **Bug Number:** MCCET-3459. In some instances, group clips do not redraw correctly in the Timeline when you zoom in and out.

- **Bug Number:** MCCET-3414. In some instances, you might have seen banding issues after rendering or performing video mixdowns.
- **Bug Number:** MCCET-3356. (List Tool) Comparing XML Change lists containing Varicam media resulted in an “Error encountered in list” error.
- **Bug Number:** MCDEV-12409. You might have received an “Assertion Failed exception” or the system might have crashed after deleting media from Media Tool.
- **Bug Number:** MCDEV-12187. The Other Bins folder did not appear in the Bin Container when you opened a bin from another project.
- **Bug Number:** MCCET3235. The Media Composer installer did not display the text “Open I/O NDI” correctly on some foreign locales.
- **Bug Number:** MCCET-3323. Offline beginning of Capture clip, when put into multigroup, presents Offline beginning of clip at every edit point of clip in sequence.
- **Bug Number:** MCCET-3334. You could not transcode if the space required for transcoding exceeded 2097152 MB (21-bit) on 8K projects.
- **Bug Number:** MCCET-3416. You could not create a video mixdown for media containing a nested effect.
- **Bug Number:** MCCET-3324. When Audio Mixer parameters like volume or pan were modified in a master clip, the changes were lost when reopening the master clip.
- **Bug Number:** MCCET-3442. The AudioSuite Reverse effect is not working correctly.

Workaround: Use the AudioSuite master-clip tool on a subclip instead of using the effect directly in the Timeline.

Limitations

The following are known limitations.

- Some fonts, by their design, are available only in Bold. On the Mac system it can happen that selecting a font does not produce any visual changes. Try selecting “Bold.”
- If you launch a project and receive an “Enable 3rd Party Emulation” warning, even if you select Enable in the warning dialog, you should also perform the following: Select File > Settings and click the Project tab. Click General Settings and select “Enable Bin Sharing on 3rd party storage emulating Avid NEXIS/ISIS.”

- **Bug Number:** MCDEV-12926. (macOS) If you have upgraded to macOS 10.15.4, there is a known issue with local attached RAID storage. The system will hang when running Media Composer or copying large files. This does not happen with earlier versions of the OS. You can read details about this issue [in this blog](#).
- **Bug Number:** MCDEV-12988. (macOS) The AMA Drastic plug-in is not supported with Media Composer v2020.4
- **Bug Number:** MCDEV-12964. For a faster performance of export audio/video sequences to .mov in 2020.4, please render the sequence prior to export, or disable the GPU fx (in the Render Settings - Current menu)
- **Bug Number:** MCDEV-12735. Maestro graphics do not appear correctly in the Timeline if your system uses the Radeon video card.
- **Bug Number:** DEFI-1808. (Media Composer | Distributed Processing) Two clips or sequences will always be created when performing a consolidate or transcode with Media Composer | Distributed Processing.
- **Bug Number:** MCDEV-11481. Promoting a title from the Title Tool application to Avid Titler+ cannot be performed if it includes a motion adapter.
- **Bug Number:** MCCET-11796. Larger than 10 bit DPX files might fail to link correctly.
Workaround: Go to File > Settings and click the User tab. In the Link Settings, click the Link Options tab and make sure Alpha Channel is set to Ignore.
- **Bug Number:** MCDEV-11430. Media Tool ignores the “Current project” filtering option and lists media files that are not associated with the current project.
- **Bug Number:** MCDEV-11197. In some instances, the Interleave option might not appear in the Export As dialog box. If you are performing an Export using the Avid Media Processor, the Interleave option should appear when you choose Stereo, 5:1, or 7.1 Audio.
Workaround: If it does not appear, briefly toggle back to the Mono setting, then toggle to Stereo Mix once again. Doing so should reveal the Interleave option.
- **Bug Number:** MCDEV-8641. (AMD Graphics). Systems with AMD graphics cards might display tearing when performing Full Screen playback.
- **Bug Number:** MCDEV-9269. (Media Composer | Cloud) After performing a remote download operation on a sequence containing AVC-I 100 remote media, the downloaded media appears as XAVC-I 100.

Workaround: Download the entire master clips.

- **Bug Number:** (macOS). You may occasionally see the menu bar flash followed by a brief beach ball. To fix this, deactivate “Displays have separate spaces” under System Preferences > Mission Control settings.
- **Bug Number:** MCDEV-9011. Intermittently, when working with the XDCAM Nablet Plug-in, you might see “Failed to get the sample position from the AMA Plug-in” errors if you have waveforms enabled in the Timeline.
- **Bug Number:** COGS-2560. While working in the Script Window, text operations (cut/copy/paste/delete/editing) can only be done in edit mode. See “Editing a Script” in the Help.
- **Bug Number:** MCDEV-5650. When working with Panasonic LongG media, you might receive an “SFPlayConsumer Timeout” error if audio waveforms are enabled.

Workaround: Turn off audio waveforms.

- **Bug Number:** MCDEV-5385. MultiCam editing with Panasonic LongG media is not supported with this release.

Before Installing the Editing Application

Media Composer | Enterprise and Media Composer | Distributed Processing

If you are working with Media Composer | Enterprise or Media Composer | Distributed Processing, please refer to the “Installation Prerequisites” section in the *Media Composer | Enterprise Administration Guide* and *Media Composer | Distributed Processing Administration Guide* to make sure you have compatible Avid MediaCentral Cloud UX Platform ISO and Avid MediaCentral Cloud UX Feature Pack ISO versions.

Avid DX Driver Separate Installer

The Avid DX Driver is not automatically installed when you install the editing application. If you need to install the Avid DX Driver to work with your Avid IO device, you can install it separately.

The installer is located:

- (Mac) /Applications/Utilities/Avid Utilities
- (Windows) Program Files\Avid\Utilities\DXDrivers

Before Installing the Editing Application in an Avid Interplay Environment



Please note the following before you install the editing application in an Avid Interplay or Avid MediaCentral environment.

Carefully read through the “Avid Editor Compatibility with Interplay Releases” guide (found in the following link) before upgrading. It might be necessary to also upgrade the Interplay components on the editing client.

http://avid.force.com/pkb/articles/en_US/compatibility/Avid-Video-Compatibility-Charts

Buffer Error Message

The editing application requires a minimum of 8GB RAM. If you try to install the editing application on a system with less than 8GB RAM, you will receive a buffer error and installation will not proceed.

Download Note

To avoid “File Path too long” or a “File cannot be copied” warning while unzipping the downloaded installer, try placing the installer .zip on the root level of your C:\ drive and unzip it from that location.

User Right to Raise Thread Priority

(Windows) Note for Domain Administrators: If your editing systems are part of a domain, you must give the user the right to “Increase Scheduling Priority.” This must be done within the Domain Group Policy on the domain controller by giving the right explicitly to the user or giving the right to a group and adding the user to that group. You will not be able to launch as a regular user if this is not set properly.

If you are part of a domain, a Domain Administrator should install and perform the first launch of the editing application.

Install as Administrator

You need to first install and launch the editing application as an Administrator. If you are in a Shared Storage environment, mount your workspaces as an Administrator. You may then log off and log back in as a Standard user, if necessary.

After Installing the Editing Application

AMA Plug-Ins

You cannot install the AMA Plug-ins while the editing application background services are running. Make sure you Stop the services before installing the AMA Plug-Ins. The stop/start background services icon is on the menu bar (Macintosh) or taskbar (Windows). Once you install the new AMA plug-in, restart the services. See “Starting and Stopping Avid Background Services” in the Help.

Notes on Software Licensing

If You Upgrade Your Operating System

If you need to upgrade your operating system after you install your Avid editing application, first deactivate your software. After you upgrade your operating system and, if required, reinstall your application, you can reactivate your software. For information on activating and deactivating your software license, see the *Installation Guide for Avid Editing Applications*.

Minimum RAM Recommendation

For this release Avid recommends 16 GB minimum, 32 GB recommended. Some features might require more RAM and specific hardware. See “[Feature Performance](#)” on page 32 for more info.

Qualified Hardware and Operating Systems

Some features are processor-intensive and require specific hardware. See “[Feature Performance](#)” on page 32 for more info.

The following tables provide the information on qualified Windows and Macintosh hardware.

For 3rd-Party Open IO hardware qualification refer to the manufacturer’s documentation. See the Open IO Frequently Asked Questions document on the Knowledge Base:
http://avid.force.com/pkb/articles/en_US/faq/en422991

The following lists the qualified Operating Systems. Depending upon your hardware the qualified Operating Systems are:

- Windows v10 64-bit v1809 or later (Professional and Enterprise).
- Macintosh 10.13.6, 10.14.6, 10.15.x



With the release of Mac OS v10.13.x and higher, Apple requires manual approval of loading Kernel Extensions (KEXTs). (For example Avid Nitris DX, BlackMagic, and AJA IO devices install Kernel Extensions.) At installation time, you should get a dialog saying that the KEXT was not loaded. You must go the “Security & Privacy” system preference and manually approve the KEXT. Keep the Security & Privacy pane open after you install the I/O device drivers so that you will see the notice that the driver has been blocked and press the “allow” button within 30 minutes of installing or the driver will be permanently blocked.

Qualified Workstations and Laptops

The following tables list the qualified workstations and laptops for Media Composer editing applications.

NOTE: NVIDIA drivers are not included with the Media Composer installer. You must access the Nvidia website - Nvidia.com to download the applicable driver.

NOTE: AMD drivers are not included with the Media Composer installer. You must access the AMD website - AMD.com to download the applicable driver.

Qualified PC Workstations with Avid Media Composer

The following PC Workstations are qualified with Avid Media Composer.



Avid Artist DNxIV requires a Thunderbolt 2 or 3 card. See [details here](#).

Qualified PC Hardware	Graphics Card	Supported with
HP Z2 G4 3.0 Ghz or higher six core i7/Xeon E3 Tower or SFF 8 to 64 GB DDR4-2666 memory	Nvidia P620, P1000, P2000 AMD WX7100	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP
Dell 3630 3.0 Ghz or higher six core i7/Xeon E3 Tower 8 to 64 GB DDR4-2666 memory	Nvidia P1000, P2000 AMD WX7100	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP
Dell 3430 3.0 Ghz or higher six core i7/Xeon E3 SFF 8 to 64 GB DDR4-2666 memory	Nvidia P1000 AMD WX4100	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP

Qualified PC Hardware	Graphics Card	Supported with
Dell 3930 3.0 Ghz or higher six core i7/Xeon E3 1U Rack 8 to 64 GB DDR4-2666 memory Thunderbolt adapter not supported	Nvidia P1000, P2000 AMD WX7100	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP
Lenovo P330 3.0 Ghz or higher six core i7/Xeon E3 Tower or SFF 8 to 64 GB DDR4-2666 memory	Nvidia P600 P1000 P2000	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP
Lenovo P330 Tiny 2.9 Ghz six core i7-8700T 8 to 64 GB DDR4-2666 memory – 1 option slot – TB or discrete graphics	Nvidia P600	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP
HP Z2 G4 Mini 3.0 Ghz or higher six core i7/Xeon E3 8 to 32 GB 2666Mhz DDR4 Memory. Performance model only Thunderbolt option.	Nvidia P600, P1000	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP
HP Z8 G4 Dual [8 - 24 core 2.1 Ghz or higher] scalable 64-128 GB DDR4-2666 memory, Tower	Nvidia P4000, P5000, P6000 AMD WX7100	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP
HP Z6 G4 Dual [8 -24 core 2.1 Ghz or higher] Intel Scalable Processors 64 to 192GB DDR4-2666 memory	Nvidia P4000, P5000, AMDWX7100	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP
HP Z4 G4 6 - 10 core or 18 core 3.3 Ghz or higher processor 32-128 GB DDR4-2666 memory, Tower	Nvidia P2000, P4000 AMD WX5100,WX7100	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP

Qualified PC Hardware	Graphics Card	Supported with
Dell 7920 Dual (8-24 core 2.1 GHz or higher) Intel Scalable Processors Tower 64 to 128 GB DDR4-2666 memory	Nvidia P4000 P5000 P6000 AMD WX7100	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP
Dell R7920 Dual (8-24 core 2.1 GHz or higher) Intel Scalable Processors Rack 64 to 128 GB DDR4-2666 memory Thunderbolt adapter not supported in Rack 7920	Nvidia P4000 P5000 P6000 AMD WX7100	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP
Dell 7820 Dual (8-24 core 2.1 GHz or higher) Intel Scalable Processors 64 to 128 GB DDR4-2666 memory	Nvidia P4000 P5000 AMD WX7100	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP
Dell 5820 6, 8 or 10 core 3.3 Ghz or higher Intel W-Processors 32 to 128 GB DDR4-2666 memory	Nvidia P600, P1000 P2000	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP
Lenovo P920 Dual [8 -28 core 2.1 Ghz or higher] Intel Scalable Processors 64 to 192 GB DDR4-2666 memory	Nvidia P4000 P5000, P6000	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP
HP Z1 G3 All-in-one 3 3.4 Ghz or higher quad core i7/Xeon E3 8 or 16 GB DDR3-1600 Memory	Nvidia M1000M, M2000M	
HP Z240 3.0 Ghz or higher quad core i7/Xeon E3 8 to 64 GB DDR4-2400 memory Tower or SFF	Nvidia K1200 (SFF), P2000 (Tower) Intel P630	Software Only
HP Z2 Mini 3.0 Ghz or higher quad core i7/Xeon E3 8 to 32 GB 2400Mhz DDR4 Memory, USB-C	Nvidia M620, HD530, HD630	Software Only
Dell 3620 3.0 Ghz or higher quad core i7/Xeon E3 8/16/32 GB DDR4-2400 memory Tower	Nvidia M2000, M4000 Intel P630	Software Only

Qualified PC Hardware	Graphics Card	Supported with
Dell 3420 3.0 Ghz or higher quad core i7/Xeon E3 8/16/32 GB DDR4-2400 memory SFF	Nvidia K620, K1200 Intel P630	Software Only
Dell 5720 AIO 3.3 Ghz or higher quad core i7/Xeon E3 3840x2160 - 8 to 64 GB 2400Mhz DDR4 Memory, thunderbolt 3/USB-C	AMD WX4150	Mojo DX Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP
Lenovo P720 Dual [8 -28 core 2.1 Ghz or higher] Intel Scalable Processors 64 to 192 GB DDR4-2666 memory	NvidiaP2000, P4000 P5000	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP
Lenovo P520/P520C 6, 8, 10 or 18core 2.3 Ghz or higher] Intel W-Processors 32 to 128 GB DDR4-2666 memory	Nvidia P1000, P2000 P4000	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxID Avid Artist DNxIP
Lenovo P320 3.0 Ghz or higher quad core i7/Xeon E3 8/16/32 GB DDR4-2400 memory Tower or SFF	Nvidia P600, P1000, P2000(Tower) Intel P630	Software Only
Lenovo P320 Tiny 2.9 GHz quad core i7-7700T	Nvidia P600	Software Only
HP Z840 Dual [8 - 16 core 2.1 Ghz or higher] Intel V4 32/64 GB DDR4 2400 memory	Nvidia P4000, P5000, P6000, M4000, M5000, M6000 AMD W7100, WX7100	Nitris DX Mojo DX Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxIP
HP Z640 Dual 10, 12, 16 core 2.1 Ghz or higher] Intel V4 32/64 GB DDR4-2400 memory	Nvidia P4000, P5000, P6000 M2000, M4000 M5000, M6000 AMDW5100, W7100, W8100	Nitris DX Mojo DX Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxIP

Qualified PC Hardware	Graphics Card	Supported with
Dell 7910 Dual [8 - 16 core 2.1 Ghz or higher] Intel V4 32/64 GB DDR4-2400 memory	Nvidia M4000, M5000, M6000 AMD W7100, W8100	Nitris DX Mojo DX Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxIP
Dell R7910 Dual [8 - 16 core 2.1 Ghz or higher] Intel V4 32/64 GB DDR4-2400 memory	Nvidia M4000, M5000, M6000 AMD W7100, W8100	Mojo DX Avid Artist DNxIO Avid Artist DNxIQ
Dell 7810 Dual [8-16 core 2.1 Ghz or higher] Intel V4 32/64 GB DDR4-2400 memory	Nvidia M2000, M4000, M5000 AMD W5100W, W7100, W8100	Nitris DX Mojo DX Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxIP
Dell 5810 [6 or 8 core 3.0 Ghz or higher] Intel V4 16/32/64 GB DDR4- 2400 memory	Nvidia M2000 AMD W5100	Nitris DX Mojo DX Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxIP
Lenovo P910 Dual [8 - 16 core 2.1 Ghz or higher] Intel V4 32/64 GB DDR4-2400 memory	Nvidia M4000, M5000, M6000	Nitris DX Mojo DX Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxIP
Lenovo P710 Dual [8 - 16 core 2.1 Ghz or higher] Intel V4 32/64 GB DDR4-2400 memory	Nvidia M2000, M4000, M5000	Nitris DX Mojo DX Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxIP
HP Z440 [6 or 8 core 3.0 Ghz or higher] Intel V4 16/32/64 GB DDR4- 2400 memory	Nvidia P2000, M2000 AMD W5100	Nitris DX Mojo DX Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxIP

Qualified PC Hardware	Graphics Card	Supported with
Lenovo P510 6 or 8 core 3.0 Ghz or higher Intel V4 16/32/64 GB DDR4- 2400 memory	Nvidia M2000, K1200	Nitris DX Mojo DX Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxIP
Lenovo P410 6 or 8 core 3.0 Ghz or higher Intel V4 16/32/64 GB DDR4- 2400 memory	Nvidia P2000, P1000, M2000, K1200	Nitris DX Mojo DX Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxIP
HP Z840 Dual 8, 10 or 12 core Intel V3 2.3 Ghz or higher Onboard NIC supported for ISIS 32 or 64 GB DDR4- 2133 memory	Nvidia K4200, K5200, M4000, M5000, M6000 AMD W7100, W8100	Nitris DX Mojo DX Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxIP
HP Z640 Dual 8, 10 or 12 core Intel V3 2.3 Ghz or higher 32/64 GB DDR4-2133 Memory	Nvidia K2200, K4200, K5200, M4000, M5000 AMD, W5100, W7100, W8100	Nitris DX Mojo DX Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxIP
Dell R7910 Dual 8,10 or 12 Core Intel V3 2.3 Ghz or higher Onboard NIC supported for ISIS 32 or 64 GB DDR4- 2133 memory	Nvidia K4200, K5200, M4000, M5000, M6000 AMD W7100, W8100	Mojo DX Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxIP
Dell 7910 Dual 8, 10 or 12 core Intel V3 2.3 Ghz or higher - Onboard NIC supported for ISIS 32 or 64 GB DDR4- 2133 memory	Nvidia K4200, K5200, M4000, M5000, M6000 AMD W7100, W8100	Nitris DX Mojo DX Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxIP

Qualified PC Hardware	Graphics Card	Supported with
Dell 7810 Dual 8, 10 or 12 core Intel V3 2.3 Ghz or higher - Onboard NIC supported for ISIS 32 or 64 GB DDR4- 2133 memory	Nvidia K2200, K4200, K5200, M4000, M5000 AMD W5100, W7100, W8100	Nitris DX Mojo DX Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxIP
Lenovo P900 Dual 8, 10 or 12 core Intel V3 2.3 Ghz or higher - Onboard NIC supported for ISIS 32 or 64 GB DDR4- 2133 memory	Nvidia K4200, K5200, M4000, M5000, M6000	Nitris DX Mojo DX Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxIP
Lenovo P700 Dual 8, 10 or 12 core Intel V3 2.3 Ghz or higher - Onboard NIC supported for ISIS 32 or 64 GB DDR4- 2133 memory	Nvidia, K2200 K4200, K5200, M4000, M5000	Nitris DX Mojo DX Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxIP
HP Z240 Tower and SFF (Small Form Factor) Quad Xeon E3- 1245V5 3.5 Ghz Onboard NIC supported for ISIS 8/16/32 GB DDR4- 2133 Memory	Nvidia K620, K1200 K2200, HD530	Software Only
Lenovo P310 Tower and SFF (Small Form Factor) Quad Xeon E3- 1245V5 3.5 Ghz Onboard NIC supported for ISIS 8/16/32 GB DDR4- 2133 Memory	Nvidia K620, K1200 K2200 HD530	Software Only
Dell 3620 quad Xeon E3-1245V5 3.5 Ghz Onboard NIC supported for ISIS 8/16/32 GB DDR4- 2133 Memory	Nvidia K620, K2200 HD530	Software Only
Dell 3420 SFF (Small Form Factor) Quad Xeon E3-1245V5 3.5 Ghz Onboard NIC supported for ISIS 8/16/32 GB DDR4- 2133 Memory	Nvidia K620, K1200 HD530	Software Only
Dell 5810 6-core or 8 core Intel V3 3.0 Ghz or higher Onboard NIC supported for ISIS 16 or 32 GB DDR4- 2133 memory	Nvidia K2200 AMD W5100	Nitris DX Mojo DX Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxIP

Qualified PC Hardware	Graphics Card	Supported with
Lenovo P500 6-core or 8 core Intel V3 3.0 Ghz or higher Onboard NIC supported for ISIS 16 or 32 GB DDR4- 2133 memory	Nvidia K2200	Nitris DX Mojo DX Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxIP
Lenovo P300 Tower and SFF (Small Form Factor) Quad-Core E3- 1246v3 3.5 Ghz CPU 8 or 16 GB DDR3-1600 Memory	Intel HD 4600 Nvidia K600, K620	Software Only
HP Z1 G2 All-in-one E3- 1245V3 3.4 Ghz CPU 8 or 16 GB DDR3-1600 Memory	Intel HD 4600 Nvidia K2100M, K3100M, K4100M	Mojo DX
Lenovo ThinkCentre Edge 93Z i7-4770S quad core 3.1 Ghz 8 or 16 GB DDR3-1600 memory	Intel HD 4600	Software Only

Qualified PC Notebooks for Avid Media Composer

The following PC Notebooks are qualified with Avid Media Composer. The following applies to the editing system when running on a laptop:

- DNxHD capture is only supported on Mojo DX on a Quad core system with hyperthreading enabled. Nitris DX is not supported on laptops.
- Capture of 10 bit video for example, DNxHD 185x, is not supported on Mojo DX.

Qualified PC Notebooks	Graphics Cards	Supported With
HP Zbook Studio G5 and Studio X360 G5 2.6 Ghz or higher six core i7/Xeon E3 Ultrabook 8 to 32 GB 2667Mhz DDR4 Memory Dream Color option HP Thunderbolt dock G2	Nvidia P1000	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
Dell 5530 15" 2.6Ghz or higher 6 core i7/Xeon E3 Thin and light 8 to 32 GB 2667Mhz DDR4 Memory USB 3.0 to Ethernet required for Avid NEXIS Connectivity	Nvidia P1000 P2000	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX

Qualified PC Notebooks	Graphics Cards	Supported With
Lenovo P1 15" 2.6 Ghz or higher six core i7/Xeon E3 Thin and Light 8 to 64 GB 2667Mhz DDR4 Memory	Nvidia P1000	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
HP Zbook 17" G5 2.6 Ghz or higher six core i7/Xeon E3	Nvidia P3200, P4200, P5200 AMD WX4170	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
Dell 7730 17" 2.6Ghz or higher 6 core i7/Xeon E3 8 to 64 GB 2667Mhz DDR4 Memory	NvidiaP3200 P4200 P5200 AMD WX4170	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
Lenovo P72 2.6 Ghz or higher six core i7/Xeon E3 8 to 64 GB 2667Mhz DDR4 Memory	Nvidia P3200, P4200, P5200	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
HP Zbook 15" G5 2.6 Ghz or higher six core i7/Xeon E3 8 to 64 GB 2667Mhz DDR4 Memory Dreamcolor option	Nvidia P1000, P2000 AMD WX4150	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
HP Zbook 15V G5 2.6 Ghz or higher six core i7/Xeon E3 HP Thunderbolt dock G2	Nvidia P1000	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX

Qualified PC Notebooks	Graphics Cards	Supported With
Dell 7530 15" 2.6Ghz or higher 6 core i7/Xeon E3 8 to 64 GB 2667Mhz DDR4 Memory	NvidiaP1000 P2000 AMD WX4150	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
Dell 3530 15" 2.6Ghz or higher 6 core i7/Xeon E3 8 to 32 GB 2667Mhz DDR4 Memory	NvidiaP600	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
Lenovo P52 2.6 Ghz or higher six core i7/Xeon E3 8 to 64 GB 2667Mhz DDR4 Memory	Nvidia P1000, P2000	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
HP Zbook 17" G4 2.8 Ghz or higher quad core i7/Xeon E3 HP Thunderbolt dock G2	Nvidia P3000 P4000 P5000 AMD WX4170	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
HP Zbook 15" G4 2.8 Ghz or higher quad core i7/Xeon E3 HP Thunderbolt dock G2	Nvidia M620 M1200 M2200 AMD WX4150	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
HP Zbook Studio Ultrabook G4 2.8 Ghz or higher quad core i7/Xeon E3 HP Thunderbolt dock G2	Nvidia M1200	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX

Qualified PC Notebooks	Graphics Cards	Supported With
Dell 7720 17" 2.6 Ghz or higher quad core i7/Xeon E3 1920x1080 or 3840x2160 - 8 to 64 GB 2400Mhz DDR4 Memory, thunderbolt 3	Nvidia P3000, P4000, P5000 AMD Radeon WX4150, WX7100	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
Dell 7520 15" 2.6 Ghz or higher quad core i7/Xeon E3 1920x1080 or 3840x2160 - 8 to 64 GB 2400Mhz DDR4 Memory, thunderbolt 3	Nvidia M1200, M2200 AMD Radeon WX4130, WX4150	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
Dell 5520 15" 2.8 Ghz or higher quad core i7/Xeon E3 1920x1080 or 3840x2160 - 8 to 32 GB 2400Mhz DDR4 Memory Thunderbolt 3	Nvidia M1200	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
Dell 3520 15" 2.8 Ghz or higher quad core i7/Xeon E3 1920x1080 - 8 to 32 GB 2400Mhz DDR4 Memory - Thunderbolt 3	Nvidia M620	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
Lenovo P51 2.6 Ghz or higher quad core i7/Xeon E3 8 to 64 GB 2400Mhz DDR4 Memory	Nvidia M1200, M2200	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
Lenovo P71 2.6 Ghz or higher quad core i7/Xeon E3 8 to 64 GB 2400Mhz DDR4 Memory	Nvidia P3000, P4000, P5000	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX

Qualified PC Notebooks	Graphics Cards	Supported With
HP Zbook Studio Ultrabook 2.6 Ghz or higher quad core i7/Xeon E3 8 to 32 GB 2133Mhz DDR4	Nvidia M1000M	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
HP Zbook 15" G3 2.6 Ghz or higher Quad core i7/Xeon E3 1920x1080 or 3840x2160- 8 to 64 GB 2133Mhz DDR4 Memory, thunderbolt 3	Nvidia M1000M, M2000M, M600M AMD, W5170M Intel HD 530, P530, P580	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
HP Zbook 17" G3 2.6Ghz or higher quad core i7/Xeon E3	Nvidia M3000M, M4000M, M5000M AMD W6150M Intel HD 530, P530, P580	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
Dell 7710 17" 2.7 Ghz quad core i7 or 2.9 Ghz Xeon E3 1920x1080 or 3840x2160 - 8/16/32 GB 2133Mhz DDR4L Memory	Nvidia M3000M, M4000M, M5000M AMD W7170M	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
Dell 7510 15" 2.5 Ghz and higher quad core i7 1920x1080 or 3200x1800 - 8/16/32 GB 2133Mhz DDR4L Memory	Nvidia M1000M, M2000M AMD W5170M	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
Dell 5510 15" 2.3 Ghz and higher quad core i7 1920x1080 or 3840x2160 - 8/16 GB 2133Mhz DDR4L Memory USB-C	Nvidia M1000M	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX

Qualified PC Notebooks	Graphics Cards	Supported With
Dell 3510 15" 2.3 Ghz and higher quad core i7 1920x1080 - 8/16 GB 2133Mhz DDR4L Memory	AMD W5130M	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
Lenovo P70 2.6 Ghz or higher quad core i7/Xeon E3 1920x1080 or 3840x2160 - 8 to 64 GB 2133Mhz DDR4, Memory, thunderbolt 3	Nvidia M3000M, M4000M, M5000M	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Mojo DX
Lenovo P50 2.6 Ghz or higher quad core i7/Xeon E3 1920x1080 or 3840x2160 - 8 to 64 GB 2133Mhz DDR4 Memory, thunderbolt 3	Nvidia M1000M, M2000M	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
HP Zbook 17" G2 - 2.5 Ghz and higher quad core i7 1920x1080 - 8/16/32 GB 1600Mhz DDR3 Memory thunderbolt	Nvidia K3100M K4100M, K2200M	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
HP Zbook 15" G2 - 2.5 Ghz and higher quad core i7 1920x1080 or 3200x1800 screen resolution 8/16/32 GB 1600Mhz DDR3L Memory Thunderbolt	Nvidia K1100M, K2100M	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
Dell M6800 17" 2.5 Ghz and higher quad core i7 1920x1080 - 8/16/32 GB 1600Mhz DDR3 Memory	Nvidia K2200M, K3100M, K4100M K5100M	Software Only Mojo DX
Dell M4800 15" 2.5 Ghz and higher quad core i7 1920x1080 or 3200x1800 - 8/16/32 GB 1600Mhz DDR3 Memory	Nvidia K1100M, K2100M	Software Only Mojo DX

Qualified PC Notebooks	Graphics Cards	Supported With
Dell M3800 15" 2.3 Ghz and higher quad core i7 1920x1080 8/16/32 GB 1600Mhz DDR3 Memory	Nvidia K1100M	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
Lenovo W541 15" 2.5 Ghz and higher quad core i7 15" 1920x1080 2880x1620 - 8/16/32 GB 1600Mhz DDR3 Memory Thunderbolt	Nvidia K1100M, K2100M	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX

Qualified Macintosh Workstations for Avid Media Composer

The following Macintosh Workstations are qualified with the Avid Media Composer.



Avid Artist DNxIV requires a Thunderbolt 2 or 3 card. See [details here](#).

Qualified Macintosh Hardware	Graphics Cards	Supported With
Mac Pro 2019 3.5 Ghz 8 core, 3.3 Ghz 12 core, 3.2 Ghz 16 core, 2.7 Ghz 24 core, 2.5 Ghz 28 core 48 to 192GB 2933Mhz DDR4 Memory Dual 10Gb Ethernet RJ45	AMD Radeon Pro 580X, W5700X, Pro Vega II	Artist DNxIO Artist DNxIQ Artist DNxIV Artist DNxID Avid Artist DNxIP
iMac Retina 5K 27" 3.6 GHz 8-core Intel i9 16 to 64GB 2666MHz DDR4 March 2019	AMD Radeon Pro 575x, 580x, Vega 48	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP
iMac Retina 4K 21.5" 3.2 GHz 6-core Intel i7 16 to 32 GB 2666 MH DDR4 March 2019	AMD Radeon Pro 560x Vega 20	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP

Qualified Macintosh Hardware	Graphics Cards	Supported With
Mac mini 3.2 Ghz 6- core Intel i7 8 to 64 GB 2666 Mhz DDR4 Memory Late 2018	Intel UHD 630	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP
iMac Pro 5K 27" 3.2 Ghz i7 8 core 3.0 Ghz i7 10 core 2.5 Ghz i7 14 core 2.3 Ghz i7 18 core Late 2017 - 32 to 128GB 2666 Mhz DDR4 NOTE: 10Gb Ethernet requires Avid NEXIS Pro client v2018.3.	Radeon Pro Vega 56, 64	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
iMac Retina 5K 27" 4.2 Ghz i7 Quad core Mid 2017 - 8 to 64 GB 2400 Mhz DDR4	Radeon Pro 570, 575, 580	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
iMac Retina 4K 21.5" 3.6 Ghz i7 Quad core Mid 2017 - 8 to 32 GB 2400Mhz DDR4	Radeon Pro 555, 560	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
iMac Retina 5K 27" 4.0 Ghz i7 Quad core Late 2015 - 8/16/32 GB 1867Mhz DDR3	Radeon M390, M395, M395X	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
iMac Retina 4K 21.5" 3.3 Ghz i7 Quad core Late 2015 - 8/16/32 GB 1867Mhz DDR3	Intel Iris Pro 6200	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxIP Mojo DX

Qualified Macintosh Hardware	Graphics Cards	Supported With
Mac Pro 3.5 Ghz 6-core, 3.0 Ghz 8-core, or 2.7 Ghz 12-core Ivy Bridge CPU Late 2013	Dual AMD FirePro D300, D500, D700	Mojo DX Nitris DX (no HD capture) Artist DNxIO Artist DNxIQ Artist DNxIV Artist DNxID Avid Artist DNxIP
16, 32 or 64 GB DDR3-1866Mhz ECCmemory (4 DIMMs required) Sonnet and Magma Thunderbolt 2 Expansion chassis supported		

Qualified Macintosh Notebooks for Media Composer

The following Macintosh notebooks are qualified with the current editing applications. The following applies to the editing system when running on a laptop.

- HD Capture on Macintosh notebooks is not supported
- Playback in full quality 10 bit mode is not supported

Qualified Macintosh Notebook	Graphics Cards	Supported With
MacBook Pro 16" 2019 2.6 Ghz i7 6-core or 2.3, 2.4 Ghz i9 8-core Thunderbolt 3 16 to 64GB 2666Mhz DDR4 Memory Touch Bar not used by Media Composer	AMD Radeon Pro 5300M, 5500M	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
MacBook Pro 15" 2.2 Ghz and higher i7/i9 six core Mid 2018 - Touch Bar & Thunderbolt 3 Touch Bar not used by Media Composer	UHD630 AMD Radeon Pro 555X, 560X	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
MacBook Pro 13" 2.7 Ghz quad core Intel core i7 Mid 2018 - Touch Bar & Thunderbolt 3 8 to 16 GB 2133Mhz LPDDR3 Memory Touch Bar not used by Media Composer	Intel Iris Plus 655	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX

Qualified Macintosh Notebook	Graphics Cards	Supported With
MacBook Pro 15" 2.8 Ghz and higher i7 quad core Mid 2017 - Touch Bar & Thunderbolt 3 16 GB 2133Mhz LPDDR3 Memory Touch Bar not used by Media Composer	HD630 AMD Radeon Pro 555, 560	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
MacBook Pro 15" 2.6 Ghz and higher i7 quad core Late 2016 - Touch Bar & Thunderbolt 3 16 GB 2133Mhz DDR4 Memory Touch Bar not used by Media Composer	HD530 AMD Radeon 450, 455, 460	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
MacBook Pro 15" 2.2 Ghz and higher i7 quad core Mid 2015 Retina & Thunderbolt 16 GB 1600Mhz DDR3L Memory	HD5000 AMD Radeon M370X	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX
MacBook Pro 15" 2.3 Ghz and higher i7 quad core Retina Late 2013 and Mid 2014 8 or 16 GB 1600Mhz DDR3L Memory	Nvidia GeForce GT 750M & Intel HD5000	Avid Artist DNxIO Avid Artist DNxIQ Avid Artist DNxIV Avid Artist DNxID Avid Artist DNxIP Mojo DX

Feature Performance

A number of features in this editing application are processor-intensive. As a result, you might experience problems if you are working on an older system. The following chart shows the hardware that Avid has successfully qualified when using these features. For a list of the qualified systems, see [Qualified Workstations and Laptops](#).

Feature	Description	Recommended System
16K projects	64GB RAM minimum	48 Core Intel CPU systems with Nvidia RTX graphics
Editing High Resolution, High Frame Rate XAVC-I Media (UHD/4k in 59.94p) 4 streams of media and color adapters	64 GB RAM minimum, 96 GB recommended	HP Z8, Z6, Lenovo P920, P720 systems Dell 7920, Dell 7820 <ul style="list-style-type: none"> • Dual gold 6254 3.1 Ghz turbo to 4.0 Ghz 18-core (72 with HT) • Dual Xeon Gold 6154 3.0 Ghz, turbo up to 3.7 Ghz 18-core (72 cores with Hyperthreading) • AMD WX-7100 • Nvidia RTX 5000, RTX 6000, AMD WX9100 Storage: 10Gb Ethernet Avid NEXIS
1080p/50 XAVC Long Baseband Capture	16 GB RAM minimum	Qualified PC Dual 6 Core or higher Qualified Mac Pro 6 core or higher, 12 core with Hyperthreading

Feature	Description	Recommended System
Editing High Resolution, High Frame Rate DNxHR Media (UHD/4k in 59.94p)	16 GB RAM minimum, 32 GB recommended	<p>HP Z8, Z6, Lenovo P920, P720 systems HP Z840 HP Z640/Z620 Dell 7920/7910 Dell 7820/7810 Lenovo P910/P900/ Lenovo P710/P700</p> <ul style="list-style-type: none"> • NVIDIA RTX 5000, 6000, AMD WX9100 • NVIDIA P5000, M5000 or K5200 and AMD WX-7100 PCIe Gen3 Gfx card (recommended) <p>Mac Pro</p> <ul style="list-style-type: none"> • 12 core (24 with Hyperthreading) 3 GHz • Dual AMD FirePro 500/700 Graphics card <p>Storage: 10Gb Ethernet Avid NEXIS</p>
Editing High Resolution Media (Higher than 2K+)	16 GB RAM minimum	<p>Qualified PC Dual 6 Core or higher Qualified Mac Pro 6 core or higher, 12 core with Hyperthreading</p>
DMF and Background Transcode, Background Render	32 GB RAM recommended	<p>Qualified PC Dual 6 Core or higher Qualified Mac Pro 6 core or higher, 12 core with Hyperthreading</p>
Media Composer Cloud	16 GB RAM minimum. 24 GB or higher recommended depending upon system model.	i7 Quad core or higher with Hyperthreading
J2K Capture		<p>Qualified PC Dual 6 Core or higher Qualified Mac Pro 6 core or higher, 12 core with Hyperthreading</p>

Feature	Description	Recommended System
XDCAM Long GOP 9-way MultiCam with high stream count sequences	Avid recommends 16 GB RAM	Qualified PC Dual 6 Core or higher Qualified Mac Pro 6 core or higher, 12 core with Hyperthreading Storage: 10Gb Ethernet ISIS
Stereoscopic 3D	For optimal performance with Stereoscopic 3D, use these higher performance systems. Avid recommends a minimum of 16GB RAM when using Stereoscopic 3D.	Qualified PC Dual 6 Core or higher Qualified Mac Pro 6 core or higher, 12 core with Hyperthreading
XDCAM HD50 Capture	Baseband capture through Nitris DX, Mojo DX	Qualified systems
HD RGB 4444 Apple ProRes 4444 DNxHD 4444	HD RGB capture requires a high end workstation with Nitris DX and fast storage.	Qualified PC Dual 6 Core or higher Qualified Mac Pro 6 core or higher, 12 core with Hyperthreading Storage: 10Gb Ethernet ISIS
AMA (QuickTime)	AMA is a processor intensive operation. Lower end platforms may not offer optimum performance. Highly compressed codecs such as H.264 will exhibit minimal real-time performance.	Recommendation of qualified systems depends on your planned use of this feature. Heavy usage of highly compressed codecs requires the high end systems. (Dual 6 Core or Dual 8 Core systems)
AMA (RED)	AMA is a processor intensive operation. Older platforms may not offer optimum performance. you will get better performance with higher end workstations.	Qualified Xeon Workstations NOTE: RED plug-in uses the Graphics Processor. Better performance with high performance graphics cards.
AVCI-Intra Capture	AVC-Intra capture with software codecs is supported.	24 core and higher Windows systems only. Note: If problems are encountered, please use a Nitris DX w/AVC-I capabilities or ingest at another resolution like DNxHD and transcode to AVC I.

Feature	Description	Recommended System
AVCI-Intra	AVC-Intra(AVC-I) is a high quality, low bit-rate HD codec and is very CPU intensive.	<p>4-Way MultiCam Playback</p> <p>Dual Quad Core, Dual 6 Core or Dual 8 Core Systems</p> <p>Four Stream Playback:</p> <p>Dual Quad Core, Dual 6 Core or Dual 8 Core Systems</p> <p>AMA Workflows: Dual Quad, Dual 6 or Dual 8 core systems</p>

Avid Artist I/O Device Compatibility

The following table shows the minimum version Media Composer supported with the Avid Artist I/O devices.

You must download the appropriate Avid Artist software from your [Avid Master Account](#).

Device	Minimum supported version Media Composer
Avid Artist DNxIO	Media Composer v8.4.1 and higher
Avid Artist DNxIQ	Media Composerv8.8.3 and higher
Avid Artist DNxIV	Media Composer v8.10 and higher
Avid Artist DNxIP	Media Composer v2018.8
Avid Artist DNxID	Media Composer v2018.9

Compatibility Chart

The following table lists the NVIDIA® driver, QuickTime®, Windows Media™, shared storage, Sony® XDCAM™, Panasonic® P2, and Avid Artist Series versions that were qualified with the Avid editing applications. You can also refer to [Documentation and version matrix](#).

IMPORTANT: For information on third party support (for example, Sorenson, Boris, etc) see the third party's web site.

Item	Versions	Comments
QuickTime Support	v7.7.9 (Windows) v10.x, (v7.x legacy) (Macintosh)	Note: QuickTime v10X does not include QuickTime Pro options. Note: QuickTime is not supported with Windows 10.
Avid Interplay Support	See Knowledge Base article on compatibility.	IMPORTANT: The Avid Interplay components that get installed on the editing application must be updated to the Avid Interplay version that is released with the editing application. These include the Media Indexer, Interplay Access, Interplay Framework, Interplay Transfer Client and ProEncode Client. The Avid Interplay Server components can remain on the previous releases listed as supported. For details, see the “Avid Editing Application Compatibility with Interplay Releases” doc on the Knowledge Base.
NVIDIA Driver Support	v441.28	See “Setting up the NVIDIA Card” on page 41 . For setting up the driver for stereoscopic, see the NVIDIA setup info in the Stereoscopic 3D Workflow Guide.
Shared Storage Support	Avid NEXIS and Avid ISIS®.	See “Shared Storage Support” on page 42 .
Sony XDCAM driver	v2.13 (XDCAM Transfer for Macintosh) Windows FAM v2.3.2 and VFAM v5.0.2	The VFAM firmware version for PDW-U1 is 2.600. The PDW-U2 is 2.810. The driver can be downloaded from Sony's website http://esupport.sony.com/ .
Panasonic P2 drive	(Macintosh) v3.1.7 (Windows) v2.24	There is currently no P2 writeback support for Macintosh clients.
Avid Artist Series (Euphonix)	EuControl software v3.4	See the User's Guide for information on Artist Series Color setup information.

Avid Editing Application Compatibility with Pro Tools

General Co-Installation Notes:

- Install Pro Tools first and then Media Composer.
- You must uninstall all older versions of Media Composer or Pro Tools before installing newer versions.
- Co-install does not support both applications launched simultaneously.
- When you uninstall Pro Tools, choose to uninstall just the application and not the audio drivers or the editing application no longer sees the devices. On a Macintosh Pro Tools 10 system, this is named the “Safe Uninstall.” On a Macintosh Pro Tools 11 system no uninstallation is required. On a Windows Pro Tools 10 or 11 system, you must select the first uninstall option - “Pro Tools Only” - which is not selected by default.
- Mojo SDI will not be supported with Media Composer or Pro Tools 11, but can still be connected in a co-install configuration for use with Pro Tools 10.
- If you install and configure Avid Mojo DX or Nitris DX hardware on your system, the editing application does not use any connected Pro Tools audio device for audio input/output operations. You can also use these audio devices with a software-only version of your Avid editing application.
- If you run into any issues, uninstall both applications and reinstall Pro Tools first, and then reinstall your editing application.
- Media Composer v5.0 and later and Pro Tools v8.0.3 and later do not include support for the Original Mbox. If you want to use the Original Mbox, you should use Media Composer v4.x and Pro Tools v8.0.1 instead.
- If you want to install your Avid editing application on a system with the Pro Tools Avid Video Engine installed, you must use one of the following configurations:
 - Media Composer v5.5/NewsCutter v9.5 and later with Pro Tools v9.0 or later.
 - Media Composer v5.0.x/NewsCutter v9.0.x with Pro Tools v8.5 or earlier.

Co-installation Configurations and Audio Device Support

Avid Pro Tools Applications

Pro Tools Product	MC/NC Software Only	MC/NC with Mojo DX	MC/NC/ with Nitris DX
Pro Tools Software Only	Co-install	Co-install	Co-install
Pro Tools HD Native	Co-install/ Audio Device	Co-install	Co-install
Pro Tools HD	Co-install/ Audio Device	Co-install	Co-install
Pro Tools HD, with chassis	Not Tested	Not Tested	Not Tested

Avid Mbox Family Audio Devices (3rd Generation)

Audio Device (Interface)	MC/NC Software Only	MC/NC with Mojo DX	MC/NC/ with Nitris DX
Mbox (USB)	Co-install/ Audio Device	Co-install	Co-install
Mbox Pro	Co-install/ Audio Device	Co-install	Co-install
Mbox Mini (USB)	Co-install/ Audio Device	Co-install	Co-install

Avid Mbox 2 Family Audio Devices

Audio Device (Interface)	MC/NC Software Only	MC/NC with Mojo DX	MC/NC/ with Nitris DX
Mbox 2 (USB)	Co-install/ Audio Device	Co-install	Co-install

Audio Device (Interface)	MC/NC Software Only	MC/NC with Mojo DX	MC/NC/ with Nitris DX
Mbox 2 Pro (1394)	Co-install	Co-install	Co-install
Mbox 2 Mini (USB)	Co-install/ Audio Device	Co-install	Co-install
Mbox 2 Micro (USB)	Co-install	Co-install	Not tested

Other Avid Audio Devices

Audio Device (Interface)	MC/NC Software Only	MC/NC with Mojo DX	MC/NC/ with Nitris DX
Digi 002 (1394)	Co-install/ Audio Device (Windows)	Co-install	Co-install
Digi 003 (1394)	Co-install	Co-install	Co-install
Eleven Rack (USB)	Not Supported	Not Supported	Not Supported
Fast Track Pro (USB)	Audio Device	Not Supported	Not Supported

External Controllers

Your Avid editing application supports the following external fader controllers or mixers for automation gain and pan recording or as control surfaces:

- Digi 002 (Windows only)
- Command|8
- Avid Artist Control
- Avid Artist Mix

- Avid Artist Transport
- Avid Artist Color

External controllers or mixers are optional. They are not required for you to perform automation gain or pan recording on an Avid editing system.

The following table compares Avid external controllers and mixers.

Feature	Digi 002 (MC only)	Command 8	Avid Artist Control	Avid Artist Mix	Avid Artist Transport	Avid Artist Color
Control surface for transport controls and other functions	Yes	Yes	Yes	Yes (transport only, no soft keys)	Yes	
Provides audio play, input, and output	Yes	No	No	No	No	
Record automation gain	Yes	Yes	Yes	Yes	No	
Record automation pan	Yes	Yes	Yes	Yes	No	
Flying faders	Yes (8)	Yes (8)	Yes (4)	Yes (8)	No	
Touch-sensitive faders	Yes	Yes	Yes	Yes	No	
Touch-sensitive panners	No	No	Yes	Yes	No	
Solo/mute	Yes	Yes	Yes	Yes	No	
Supports audio mixing	No ^a	No	No	No	No	
Latch mode (also known as Snap mode)	Yes	Yes	Yes	Yes	No	
Number of steps of fader accuracy	1024	1024	1024	1024	Not applicable	

Feature	Digi 002 (MC only)	Command 8	Avid Artist Control	Avid Artist Mix	Avid Artist Transport	Avid Artist Color
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- a. The Digi 002 can be used as a standalone audio mixer but not at the same time as it is being used as an automation gain or automation pan controller or control surface.

For more information on using these external fader controllers or mixers, see “Recording Automation Gain or Automation Pan Information” in the Help.

Setting up the NVIDIA Card

To set up the NVIDIA card, you must make sure you have the correct display driver version (install the display driver if necessary, and set the correct display settings. See the “[Compatibility Chart](#)” on page 35 for information on the supported driver(s).

Prior to setting up the NVIDIA card, check to make sure you have the correct display driver version. If you do not have the correct NVIDIA driver, you can install it from the Nvidia website - [Nvidia.com](#).

To check the NVIDIA display driver version:

1. Right-click the Desktop and select NVIDIA Control Panel. You can also open the Windows Control Panel and double-click the NVIDIA Control Panel icon.
2. Click System Information at the bottom left corner of the NVIDIA Control Panel.

The version number is listed in the Graphics card information section on the ForceWare version line.

To install the NVIDIA display driver:

1. Download the applicable Nvidia driver from the Nvidia website - [Nvidia.com](#).
2. Double-click the file for the applicable driver.
3. Follow the on-screen instructions, and then restart your system.

To setup multiple displays:

1. Right-click the Desktop, and select Nvidia Control Panel.
2. In the settings window in the left of the window, click Set up multiple displays.
3. Select or deselect the desired monitors listed.

To set the Driver for Avid Editing Environments

1. Right-click the Desktop, and select Nvidia Control Panel.
2. Click Manage 3D Settings.
3. Click the Global Setting tab.
4. Under Global presets, select Base Profile.
5. Scroll to locate the Power Management Mode. Select Prefer maximum performance.
6. Click Apply.

Reboot after installing the Nvidia software even if you are not prompted to do so.

Never use the Windows “roll back driver” feature on the Nvidia driver. The driver version must match the rest of the components the Nvidia installer installs.

Shared Storage Support

For information on Shared Storage Support, see the Avid NEXIS and Avid ISIS tables in the following document:

http://resources.avid.com/SupportFiles/Attachments/MediaCentral_Compatibility_Matrix.pdf

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