What's New for Avid® Media Composer® v2018.8

Revision History

Date	Description
October 3, 2018	Fixed typo in New 3 LUTS for HDR to 709 Conversions.
September 13, 2018	Fixed description in the New Features table.

New in Media Composer v2018.8

The following are new with this release:

New Features

The following table describes What's New for the current editor release.

Feature	Description	For More Info
Avid Generic Plug-In	Avid continues working to remove dependencies on QuickTime libraries.	See Avid Generic Plug-in
Launching Media Composer	First	There is a single installer for Media Composer and Media Composer	First	See Launching Media Composer	First.
Enhanced Correlation Tracker	An additional tracker engine "Correlation Tracker (Enhanced)" has been included with this release.	See Additional Correlation Tracker.
Exporting to XDCAM Change	When exporting XDCAM OP1a, you select XDCAM through the Avid Media Processor.	See Exporting to XDCAM Change.
Exporting AVC-I OP1a	This release expands our support for exporting AVCI-OP1a.	See Exporting AVC-I OP1a.
Avid Artist DNxIP device	This release supports the Avid Artist	DNxIP device.	See Avid Artist	DNxIP.
Setting Automatic HDR Conversions for SDR Media	The editing application allows you to map the white point of SDR (Standard Dynamic Range) media for REC2020 (HLG) and REC2020 (PQ) projects.	See Setting Automatic HDR Conversions for SDR Media
3 LUTS for HDR to 709 Conversions	We have added 3 LUTs that allows you to preserve high luminance values when converting to Rec.709.	See New 3 LUTS for HDR to 709 Conversions.

Avid Generic Plug-in

Avid continues working to remove dependencies on QuickTime libraries. With this release, improvements have been made to the Avid Generic plug-in. You should not see any functional changes when linking with the Avid Generic plug-in. However, if you open a bin that contains clips linked with the Avid Generic Plug-in from the previous release, you will see Avid Generic Plug-In v2.6 in the Plug-In column of the bin or the Source Browser. Linking with the current release will display Avid Generic Plug-in without a version number.

Note: If you take a sequence from this release back to an earlier version of the editor, you must relink the media to ensure sequence accuracy.

Launching Media Composer | First

Previously, a separate installer was required for Media Composer First. With this release, you have a single installer for Media Composer and Media Composer | First.

Note: The option to run as Media Composer | First is now include in the Avid Media Composer Activation window.
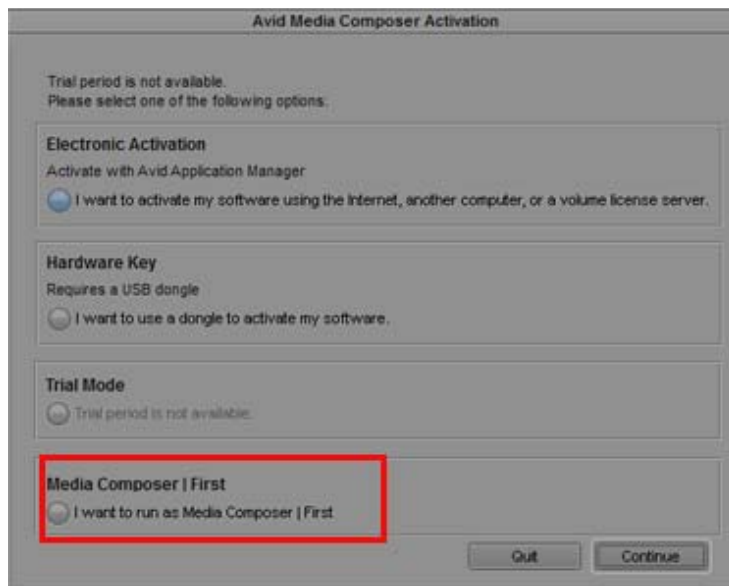
Additional Correlation Tracker

The editing application uses a tracking engine to perform the calculation method that is needed to recognize a moving pattern and generate data for it. The Correlation Tracker engine is often the best choice for tracking motion in an image. It usually produces accurate tracking data when the target area is distinctive. An additional tracker engine "Correlation Tracker (Enhanced)" has been included with this release. Use the Correlation Tracker (Enhanced) engine if the moving pattern includes rotations.
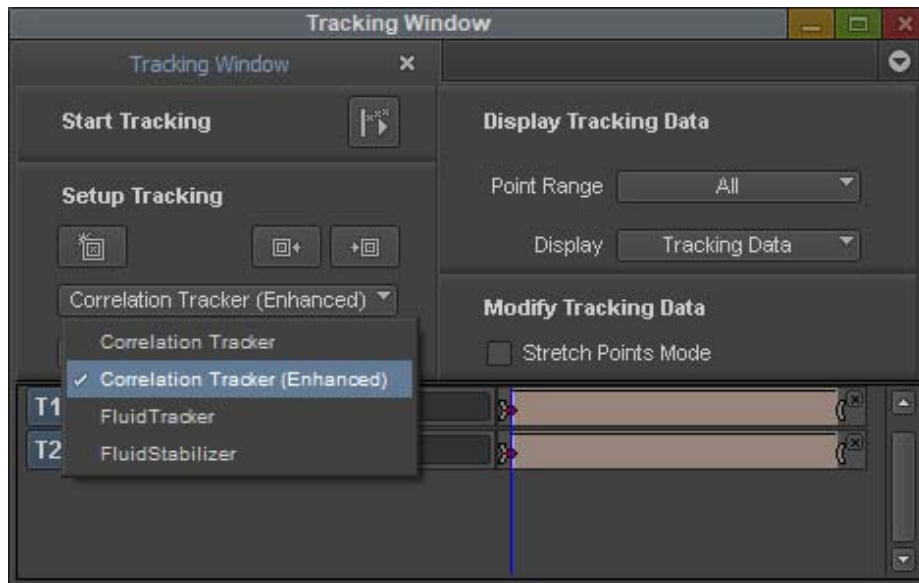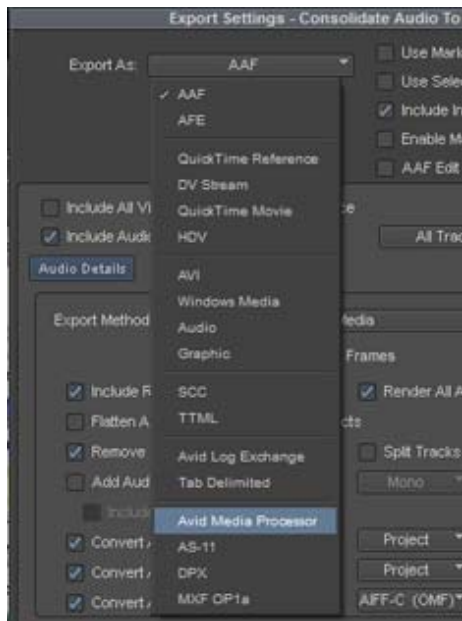
Exporting to XDCAM Change

With this release, when exporting XDCAM OP1a, you select XDCAM through the Avid Media Processor.

When exporting using the Avid Media Processor, XDCAM OP1a is not limited to the same export formats as XDCAM optical devices as it was in previous releases of the editing application.

To export to XDCAM:

1. Choose the file you want to export to XDCAM.

2. Select File > Output > Export to File.

3. Click Options.

4. In the Export As pulldown, select Avid Media Processor.

5. In the Video Compression menu, select the desired XDCAM compression.
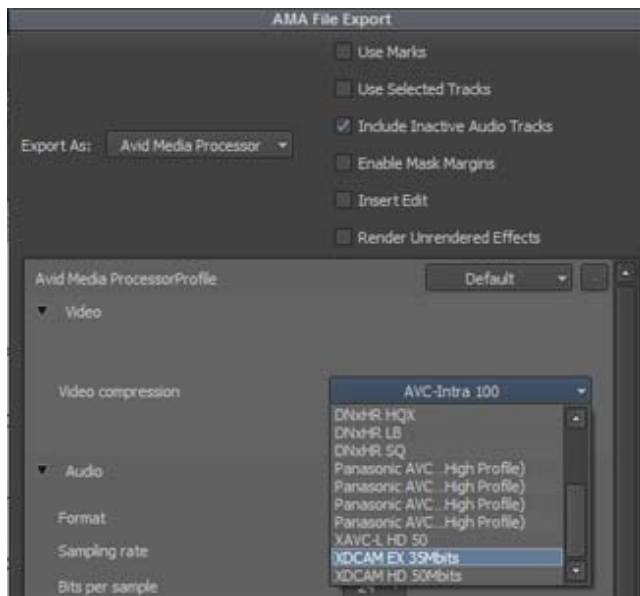
6. Click Save.

7. Choose the location where you want to save the file.

8. Click Save.

📄 *Exporting to an XDCAM device has not changed. Select File > Output > Export to Device > XDCAM.*

Exporting AVC-I OP1a

This release expands our support for exporting AVCI-OP1a. With this release you can choose to Export to AVC-Intra 50/AVC-Intra 100 using the Avid Media Processor with the following projects:

- 720p23.98, 720p25, 720p29.97, 720p50, 720p59.94
- 1080p23.98, 1080p25, 1080p29.97, 1080p50,1080p59.94
- 1080i25, 1080i29.97
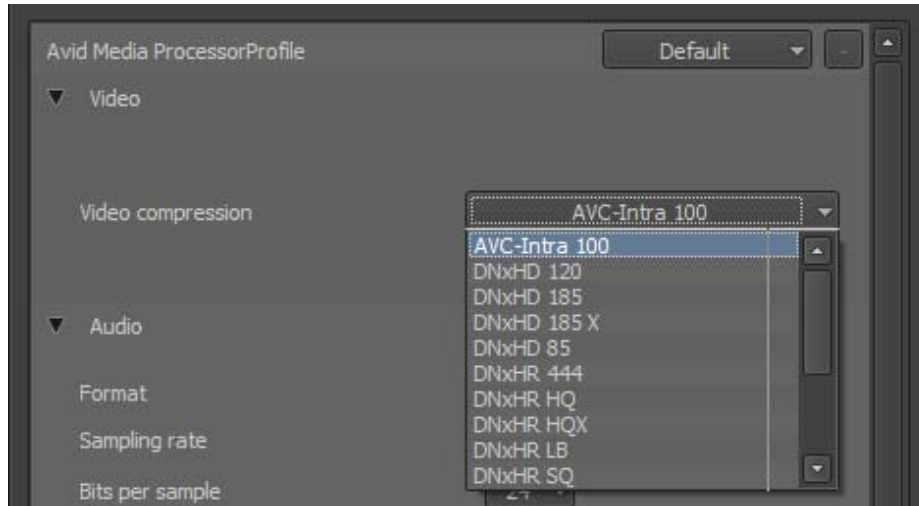
Avid Artist | DNxIP

Avid Artist | DNxIP is a portable Thunderbolt 3 ingest and playback device for professional HD video and audio over IP. For user documentation, see http://avid.force.com/pkb/articles/en_US/user_guide/Avid-Artist-DNxIP-Documentation.

Setting Automatic HDR Conversions for SDR Media

The editing application allows you to map the white point of SDR (Standard Dynamic Range) media for REC2020 (HLG) and REC2020 (PQ) projects. You can choose from the following conversion options:

- Map the white point of SDR to 50% for HLG projects and to 100 nits for PQ projects
- Map the white point of SDR to 75% for HLG projects and to 203 nits for PQ projects

Set the appropriate value in the Color Correction Settings.
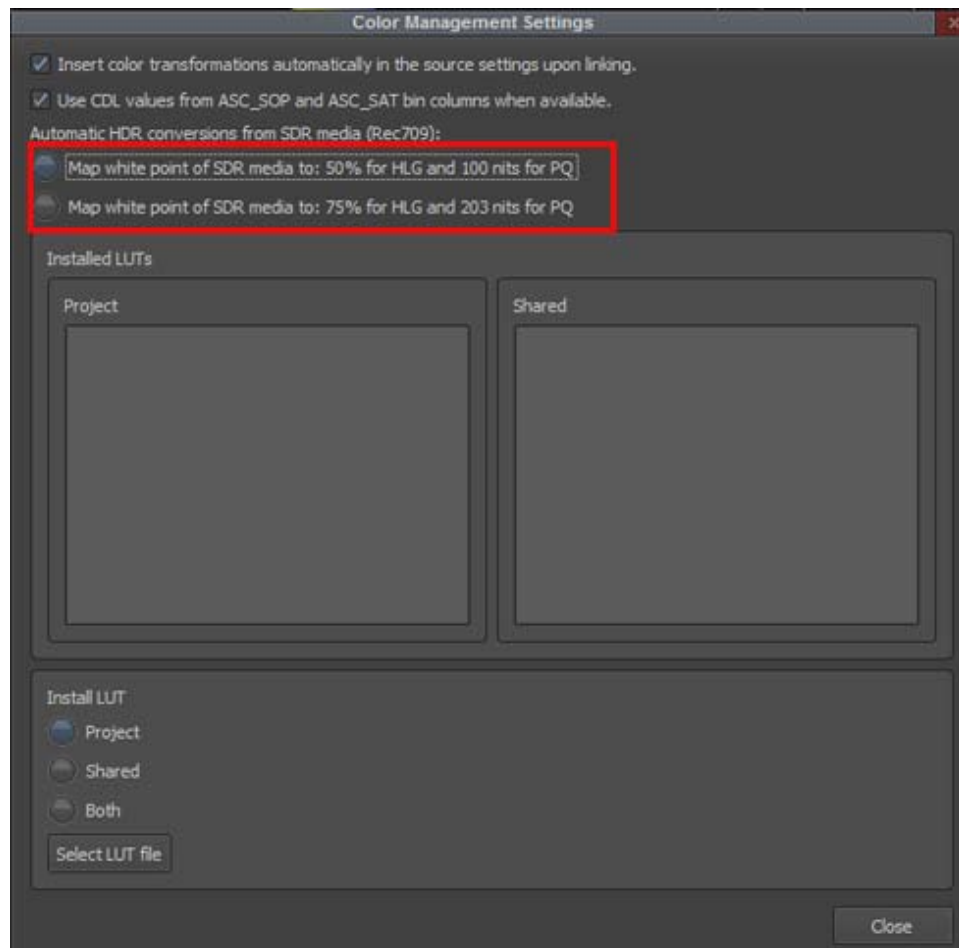
New 3 LUTS for HDR to 709 Conversions

We have added 3 LUTs that allows you to preserve high luminance values when converting to Rec.709.

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HLG 2020 to 709 knee_90
PQ 2020 to 709 knee_90
SLog3 2020 to 709 knee_90
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These LUTs allow converting HDR media to SDR (Standard dynamic range, Rec.709) but have the characteristics of preserving the HDR highlights. For example, for PQ, the highlights (203 to 1000 nits) get remapped in the 90 to 100% IRE range in 709.

This is different from the regular PQ 2020 to 709 LUT which maps 203 nits to 100%IRE while clipping values above 203 nits. This LUT is the reverse of 709 to PQ 2020, which maps 100% IRE to 203 nits.

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