

# Sony SRPA-10 v3.1 Release Notes

September 2014

## Installation Guide

The SRPA-10 installer will provide the AMA plug-ins required for SStP (MXF) file support in Avid products. A system that contains multiple Avid applications will require only one installation of the SRPA-10 plug-in. The Avid products that are supported for the SRPA-10 plug-in are: Avid Media Composer and Avid Symphony versions 6.5.x, 7.0.x, and 8.1.x. For the Mac operating system there are separate plug-in installers for Avid Media Composer and Avid Symphony, but the Symphony installer is only for versions 6.5.x.

### Install Instructions Windows:

- 1) Place the Sony\_SRPA-10\_v3.1.msi to the local system drive where the Avid product is installed.
- 2) Double click to launch the Setup Wizard
- 3) After Setup Wizard has opened select *Next*
- 4) Read the terms of EULA, select *I agree...*, then select *Next*
- 5) Then, select *Install* to begin the installation process
- 6) After the installation has completed select *Finish* to close the Setup Wizard

### Install Instructions Mac:

- 1) Copy Sony\_SRPA-10\_v3.1.dmg to the local system drive where the Avid product is installed
- 2) Launch the srpa10pluginv31mediacomposer.pkg or srpa10pluginv31symphony.pkg (note the srpa10plugin31symphony.pkg is only for Avid 6.5.x versions) to run the Installer application.
- 3) Select the *Continue* button
- 4) Read the EULA and select *Continue*
- 5) You will be prompted to Agree or Disagree to the EULA. To continue the installation select *Agree*
- 6) At the Destination Select step, select *Install for all users of this computer* and then select *Continue*
- 7) Select *Install* to begin the installation
- 8) Enter the name and password for a user with administrative rights and select *OK*
- 9) After the installation is complete select *Close* to exit the Installer application

#### Uninstall Instructions Windows:

- 1) Open Windows Control Panel and launch Programs and Features.
- 2) Select “Sony SRPA-10 plugin v3.1 for Avid v6, v7, and v8” and then select *Remove*.
- 3) Next, select *Yes* to confirm the removal.
- 4) The SRPA-10 plug-in is now removed.

#### Uninstall Instructions Mac:

- 1) Navigate to <SYSTEM DRIVE>\Library\Application Support\Avid\AVX2\_Plug-ins\AMA
- 2) Delete the MVP\_MSP\_Sony\_SRDeck.avx plug-in.
- 3) Empty the Trash to completely erase the files from the system.

Note: that by uninstalling/removing the plug-in from the system, Avid Media Composer or Avid Symphony will no longer be able to utilize the SStP (MXF) media imported via the Link to AMA function.

## **New Features**

- 1) Support for Avid Media Composer 8.1.x
- 2) Support for DMF
- 3) Support for Windows 8 64-bit and Windows 8.1 64-bit.
- 4) Support for SStP HD files created by the PMW-F55/F5 cameras.
- 5) Added Gamma Curve Metadata columns (CaptureGammaEquation, and GammaForCDL) in the bin.

## **Sony SRPA-10 User Guide**

With AMA enabled the ability to link to SStP (MXF) files will be available in the Avid application. All files linked through AMA will have a “linked” master clip icon when the bin view is set to Text or Script. For more information on AMA refer to the Avid Editing Guide for your specific Avid product.

#### **Plug-in Version Verification**

Before using the *SRPA-10* plug-in confirm the desired version is installed. To find the

version of the SRPA-10 plug-in follow the steps below.

- 1) Launch Avid and open a project
- 2) Open the Console from the menu bar by selecting *Tools> Console*
- 3) Enter the following command, *ama\_listplugins*
- 4) Locate the plug-in *MVP\_MSP\_SonySRDeck* and confirm the version is 3.1010

### Using the AMA Feature

The *SRPA-10* plug-in supports **Lite** and **SQ** bit rates for **4:2:2** files, **SQ** bit rates for **4:4:4** files, as well as **HQ 444 RGB 10-bit**. For information about the creation of SStP (MXF) files from SR tape refer to the Network Interface Board (HKSR-5804) Operation Manual.

#### Linking to SR Files

- 1) Select the desired destination bin in the project
- 2) For Avid 7.0.4/8.1: From the menu bar Select *File>AMA Link...*  
For Avid 6.5: From the menu bar Select *File>Link to AMA File(s)...*
- 3) For Avid 7.0.4/8.1: From the *Files of Type* pulldown menu select *Sony HDCAMSR (.mxf)*  
For Avid 6.5: From the *Files of Type* pulldown menu select *Sony HDCAMSR*
- 4) Select the SStP (MXF) file(s) to be linked
- 5) Select *Open*

#### Linking to SR Volumes

- 1) For Avid 7.0.4/8.1: From the menu bar Select *File>AMA Link...* and from the Open dialog under *Files of Type* select *Sony HDCAMSR (Folder)*  
For Avid 6.5: From the menu bar Select *File>Link to AMA Volume...*
- 2) When linking to a physical SR Memory drive, select the root of a volume (e.g. G:\). When linking to a virtual volume select the “parent” directory that contains the SR Memory folder structure
- 3) Select *Ok*

#### Relink of AMA Lite files to SQ files

The relink operation will replace the Lite files on a timeline with their corresponding SQ files. For the relink to be successful the SQ files must be online and in an open bin. It is

important to note the clips in the bin will not be modified by the relink, only the timeline clips in the sequence will be modified. To prevent any changes to the original timeline enable the “Create new sequence” option in the Relink tool. Use the instructions below as a guide for relinking SStP (MXF) files in a timeline.

- 1) Open all bins that contain SQ files to be relinked
- 2) In each bin, highlight the SQ files to be relinked
- 3) Now, highlight the sequence
- 4) Right click the sequence to reveal the context menu and then select **Relink**
- 5) Enable the following options: Selected items in ALL open bins, Relink by Timecode: Start, Source Name: Tape Name or Source File ID , match case when comparing tape and source file names, Create new sequence (this prevents modification of the original timeline)
- 6) Select OK to start the relink

\*Note: To relink SQ sources to Lite, simply select the desired Lite files in the bin and perform the relink as described.

#### AMA File Export of SStP (MXF) Files

The new “AMA File Export” feature allows the export of SStP (MXF) compatible files from Avid. SStP (MXF) exports can be performed with all Avid media including linked AMA files. Exports can be in one of the following four quality formats: 422 YUV-Lite, 422 YUV-SQ, 444 RGB-SQ, and 444 RGB-HQ. Please note, at the moment AMA File Export does not support 3D stereoscopic files..

The following steps will provide basic instructions for the use of AMA File Export.

1. Right click the desired sequence or media file for export to reveal the context menu
2. Select “AMA File Export” to open the export dialog
3. Select “Set” to choose the destination directory of the file to be exported
4. The file name can be modified by editing the File Name field
5. Set the bit rate and color space from the “Quality” pulldown menu
6. Select “Save” to start the export

#### Stereoscopic 3D SStP (MXF) Files

Linking of Stereoscopic 3D SStP (MXF) files can be performed using “Link to AMA Volume/Folder” or “Link to AMA Files”. Avid handles 3D SStP (MXF) files in the same the

manor as other stereoscopic media. For detail on stereoscopic editing refer to the documentation for your specific Avid product. Use the basic steps below for linking of 3D SStP (MXF) files and stereoscopic clip creation within Avid.

1. From the File menu select “Link to AMA Volume” or “Link to AMA Files” for Avid 6.5.x. For Avid 7.0 from the File menu select AMA Link... and from the Open dialog select from the Files of Type *Sony HDCAMSR (Folder) or Sony HDCAMSR (\*.mxf)*. If using “Link to AMA Files” in Avid 6.5.x when the window opens be sure to set the “Files of type” to “Sony HDCAM SR Files”.
2. Select the desired files or volume and then “Open”
3. Select two corresponding stereoscopic files
4. Right click the files and select Create Stereoscopic Clips
5. Choose the desired settings and select Ok
6. You should now see a new stereoscopic clip in the bin.

## **Supported Avid Products**

### **Windows (PC)**

- Avid Media Composer 6.5.x / 7.0.x / 8.1.x
- Avid Symphony 6.5.x

### **Mac**

- Avid Media Composer 6.5.x / 7.0.x / 8.1.x
- Avid Symphony 6.5.x

## **System Requirements**

- Media storage must be able to sustain a data rate of 600 MB/s per stream for HQ files, 500 MB/s per stream for SQ files, and 250 MB/s per stream for Lite files.
- Windows OS minimum system requirement: Dual 6 core Intel Xeon Core i7 (Nehalem or later) with multithreading enabled at a speed of 2.66GHz or higher with 8 GB's of memory installed.
- MAC OS minimum system requirements: Dual 6 core Intel Xeon Core i7 (Nehalem or later) at a speed of 2.66GHz or higher with at least 8 GB's of memory installed.
- It is recommended the Video Quality Playback Option be set to *Best Performance*.

## Known Issues and Limitations

- Real time playback can be sustained with two video streams and four audio streams. Playback that exceeds this can cause the Avid application to have a Spring Buffer error. If errors are experienced verify the Video Quality Playback Option is set to "Best Performance". A rendering of the material might need to be performed.
- SStP (MXF) HQ 444 RGB 12-bit files will be utilized as 10-bit files.
- AMA File Export of 3D stereoscopic files is not supported.
- AMA File Export option of clips in a bin that do not match the project format and frame rate are not supported for export. Sequences are supported in this operation.
- AMA File Export option will not warn if the storage location is at or near capacity.
- Consolidates do not work with SStP (MXF) files unless a transcode is performed first.
- In order for mounted network drives to be considered media drives, the user needs to enter "alldrives 1" in the console. When this value is set, the SStP (MXF) files will link and highlight yellow. Entering "alldrives 0" will stop network drives from being considered media drives. Please keep in mind that the sustained data rate requirements from the System Requirements section.
- Playback at speeds slower than +/-1x may cause Avid to display an exception error.
- Files containing Dolby E or Dolby Digital(AC-3) produce white noise during playback and should be muted.
- The SRV-10 is not able to launch while the Avid NLE products are open. Please close Avid before launching the SRV-10 Viewer.
- It is recommended that the SR source tapes contain only one frame rate, frame mode, and timecode format to avoid any timecode or recapture issues.
- SStP (MXF) files generated using HDCAM tapes at frame rates 59.94i/29.97PsF can have slow response time, (several minutes) during certain operations in Avid products. This can also be the case for SStP (MXF) files generated in different frame rates than their native tape frame rate for formats 59.94i/29.97Pfs.

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