

# Sony RAW Plug-in for Avid

## PLAV-RW1 v1.1 Release Notes

January 2013

### 1. New Features / Enhancements

The PLAD-RW1 v1.1 plugin is released to provide the following new features: support for RAW mxf files from the PMW-F5 and F55 cameras, direct connect support for the SR-D1 and AXS-CR1 devices, and “Link to AMA Volume” support for the RAW mxf image structure.

### 2. Installation Guide

The Sony PLAV-RW1 installer will provide the AMA plug-ins required for Sony RAW MXF support in Avid products. The Sony PLAV-RW1 plug-in is supported in the following Avid products: Avid Media Composer and Avid Symphony versions 6.0.3 and 6.5.2. A system that contains multiple Avid applications will require only one installation of the Sony PLAV-RW1 plug-in.

#### Install Instructions Windows:

- 1) Prior to installing the PLAV-RW1 v1.1 plug-in the version 1.0 plug-in must be removed.
- 2) Open the Control Panel and navigate to *Programs and Features*.
- 3) Select *Sony PLAV-RW1 v1.0*, then select *Uninstall* and follow the instructions.

You are now ready to install v1.1 of the plug-in.

- 4) Place the *Sony\_PLAV-RW1\_v1.1.msi* to the local system drive where the Avid product is installed.
- 5) Double click to launch the Setup Wizard.
- 6) After Setup Wizard has opened select *Next*.
- 7) Read the terms of EULA, select *I accept...*, then select *Next*.
- 8) Then, select *Install* to begin the installation process.
- 9) After the installation has completed select *Finish* to close the Setup Wizard.

#### Install Instructions Mac:

- 1) Prior to installing the PLAV-RW1 v1.1 plug-in the version 1.0 plug-in must be removed.
- 2) Navigate to <SYSTEM DRIVE>/Library/Application Support/Avid/AVX2\_Plug-ins/AMA

- 3) Delete the MVP\_MSP\_Sony\_F65Raw.avx file  
You are now ready to install v1.1 of the plug-in.
- 4) Copy *Sony\_PLAV-RW1\_v1.1.dmg* to the local system drive that the Avid product is installed on.
- 5) Launch the *sonyrawplugin11mediacomposer.pkg* or *sonyrawplugin11symphony.pkg* to run the Installer application.
  - a. For Avid Media Composer users, run the installer  
*"sonyrawplugin11mediacomposer.pkg"*
  - b. For Avid Symphony users, run the installer *"sonyrawplugin11symphony.pkg"*.
  - c. If both Avid Media Composer and Avid Symphony are installed, then either installer may be used. Only one of the installers must be run to install the plug-ins for both products.
- 6) Select the *Continue* button
- 7) Read the EULA and select *Continue*
- 8) You will be prompted to Agree or Disagree to the EULA. To continue the installation select *Agree*
- 9) At the Destination Select step, select *Install for all users of this computer* and then select *Continue*
- 10) Select *Install* to begin the installation
- 11) Enter the name and password for a user with administrative rights and select *OK*
- 12) 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 PLAV-RW1 v1.1* and then select *Uninstall*
- 3) Next, select *Yes* to confirm the removal
- 4) The *Sony PLAV-RW1* plug-in is now removed

#### Uninstall Instructions Mac:

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

Note: Uninstalling/removing the plug-in from the system, Avid Media Composer, or Avid

Symphony will no longer be able to utilize the Sony RAW media imported via the Link to AMA File function.

### 3. Sony PLAV-RW1 User Guide

With AMA enabled the ability to link to F65, F55, and F5 RAW MXF files will be available in the Avid application. For more information on AMA refer to the Avid Editing Guide for your specific Avid product.

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

Before using the *Sony PLAV-RW1* plug-in confirm the desired version is installed. To find the version of the 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\_SonyRaw\_64bit* and confirm the version is 1.1036

#### **Using the AMA Feature**

In order to use the plug-in AMA Volume Management must be enabled. Use the following steps to verify that AMA Volume Management is enabled.

##### Enabling AMA

- 1) Select the *Settings* tab in the Project Window
- 2) Select *AMA* to open the settings window
- 3) Within the AMA Settings window select the *Volume Mounting* tab
- 4) Enable *AMA Volume Management* if it is not already enabled
- 5) A restart of the application is required for changes made to AMA Volume Management to take effect

#### Linking to Sony RAW MXF Files

- 1) Select the desired destination bin in the project
- 2) From the menu bar Select *File> Link to AMA File(s)...*
- 3) Select the Sony RAW MXF file(s) to be linked
- 4) From the *Files of Type* pull down menu select *SonyRaw Files (\*.mxf)*
- 5) Select *Open*

#### Link to AMA Volume

- 1) Select the desired destination bin in the project
- 2) From the menu bar Select *File> Link to AMA Volume...*
- 3) When linking to the SR-D1 or AXS-CR1 devices select the CINEROOT folder of the mounted volume. When linking to a virtual volume, such as when the contents of a media drive has been copied to another storage device while maintaining the folder structure, select the copied "CINEROOT" directory.
- 4) Select *Ok*

### **Avid Playback Settings**

The playback quality in the Avid applications can be configured using the Video Quality Menu in the Timeline window. The following table shows the video quality settings and their corresponding display properties. The *Sony PLAV-RW1* plug-in will support playback of 23.98p, 24p, 25p, 29.97p, 50p, and 59.94p fps RAW files from the F65 camera. The supported frame rates for the F55 and F5 RAW cameras clips are 23.98p, 25p, 29.97p, 50p, and 59.94p.

Avid Video Quality Menu	Composer Display Size
Full Quality	4K decode, resize to 2K, crop to 1920 x 1080
Draft Quality	1K decode, crop to 960 x 540
Best Performance	1/2K decode, crop to 480 x 270

## Supported Operating Systems

### Windows

- Windows 7 Professional 64-bit

### Mac

- OS X v 10.8.2
- OS X v10.7.x (excluding 10.7.4)

## Supported Avid Products

### Windows (PC)

- Avid Media Composer 6.0.3/6.5.x
- Avid Symphony 6.0.3/6.5.x

### Mac

- Avid Media Composer 6.0.3/6.5.x
- Avid Symphony 6.0.3/6.5.x

## System Requirements

- Media storage must be able to sustain a data rate of 600 MB/s per stream.
- 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 at least 6 GB's of memory installed.
- MAC OS minimum system requirements: Dual 6 core Intel Xeon at a speed of 2.66GHz or higher with at least 6 GB's of memory installed.
- OpenCL supported graphic cards are required. We recommend using the NVIDIA GeForce 400 and 500 Series for Windows OS, and AMD Radeon HD 5000 or 6000 series for Mac OS, or for the MacBook Pro the NVIDIA GeForce GT 650M. Later versions of the NVIDIA graphic cards have not been certified on Mac OS's.
- It is recommended the Video Quality Playback option be set to *Best Performance*.

## 4. Known Issues and Limitations

- Real-time playback is sustainable with a single video stream of RAW material and 16 channels of audio using Avid's NLE Video Quality Playback setting of Draft and Best Performance for all frame rates except 50p and 60p.
- Real-time playback of video is sustainable with RAW 50p and RAW 59.94p fps, if the audio is disabled in an Avid project of 1280 x 720 resolution at their corresponding

frame rate using Draft or Best Performance Video Quality Playback settings.

- RAW material is not supported on a Mac OS version 10.7.4.
- Real-time playback of RAW material cannot be achieved without rendering first in Draft or Best Quality mode.
- OpenCL runtime is not recommended and will reduce performance.
- Sony SR-D1/AXS-CR1 devices are not designed for real-time playback in Avid's NLE's.
- Users may experience degraded playback performance with Avid product version 6.0.3.
- Importing RAW files to a 1080i/50, 1080i/60, or 720p/29.97 will show incorrect format information.
- If linking to multiple RAW files at one time and the scroll bar in the Link to AMA Files window is moved, it will result in a "File Not Found" error when the clips are linked. To avoid this situation perform a select all with the Ctrl+A keys instead.
- Link to AMA sometimes cannot be performed from the SR-D1 device.

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