

Sony RAW Plug-in for Adobe

PLAD-RW1 v1.2 Release Notes

June 2013

New Features / Enhancements

The PLAD-RW1 provides supporting F65, PMW-F55/F5, NEX-FS700 RAW MXF files in Adobe Premiere Pro CS6 and CC products, allowing viewing and editing capabilities.

This version provides the following new features: support for RAW MXF files from the NEX-FS700 camera, Gamma and color space selection for Sony RAW clips, default gamma selection.

There has been a fix to address the audio quality of RAW clips in Adobe Premiere Pro. The audio quality has been improved but the RAW files imported with the previous PLAD-RW1 plugin release will need their audio conformed files removed. To manually remove conformed files and index files, navigate to the media cache folder and delete the files. The location of the media cache folder is shown in the Media preferences. If the path is truncated, click the Browse button to show the path.

Installation Guide

The Sony PLAD-RW1 installer will provide the plug-in required for native RAW MXF support in Adobe Premiere Pro CS6 (6.0.2/6.0.3) and Premiere Pro CC. Also installed with the plugin are Sony's RAW 4k sequence presets. These sequence presets are configured for compatibility with Sony RAW 4k MXF files.

Install Instructions Windows:

- 1) Copy the *Sony_PLAD-RW1_v1.2.exe* to a local drive on a system with Adobe Premiere installed.
- 2) Double click the *Sony_PLAD-RW1_v1.2.exe* to launch the Setup Wizard.
- 3) Select Next in the Setup Wizard.
- 4) Read the terms of End-User License Agreement, select *I accept...*, and then choose *Next*.

- 5) 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 the *Sony_PLAD-RW1_v1.2.dmg* to a local drive on a system with Adobe Premiere Pro installed.
- 2) Launch the *Sony_PLAD-RW1_Installer_v1.2.0.672.pkg* to run the Installer application.
- 3) Select *Continue*.
- 4) Read the Software License Agreement and select *Continue*.
- 5) Once prompted to Agree or Disagree to the Software License Agreement, choose *Agree* to continue.
- 6) At the Destination Select step, choose Install for all users of this computer and then select *Continue*.
- 7) Select *Install* to begin the installation.
- 8) Enter administrative credentials into the authentication box 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 choose "Programs and Features".
- 2) Select *Sony PLAD-RW1 v1.2* then select *Uninstall*.
- 3) If prompted, select *Yes* to confirm the removal.
- 4) The *Sony PLAD-RW1* plug-in is now removed.

Uninstall Instructions Mac:

- 1) Copy the *Sony_PLAD-RW1_v1.2.dmg* to a local drive on a system with Adobe Premiere Pro installed.
- 2) Open *Sony_PLAD-RW1_v1.2.dmg* to reveal the *uninstall.command* script
- 3) Double click *uninstall.command*.
- 4) A terminal window will open and the uninstallation will automatically start.
- 5) The uninstall is finished when "[Process completed]" is displayed in the terminal.

Note: By uninstalling/removing the plug-in from the system, Adobe Premiere can no longer utilize the Sony RAW MXF media.

Sony PLAD-RW1 User Guide

With the PLAD-RW1 plug-in installed you can now work natively with Sony RAW MXF footage from the F65, PMW-F55/F5, SR-D1, AXS-CR1, and NEX-FS700 devices. A 4k RAW MXF sequence preset for each supported frame rate is also installed alongside the plug-in. The supported frame rates are 23.98p, 24p, 25p, 29.97p, 50p, and 59.94p for both RAW SQ and RAW Lite bit rates for the F65 camera. The supported frame rates for the PMW-F55/F5, and NEX-FS700 cameras are 23.98p, 25p, 29.97p, 50p, and 59.94p for RAW files.

Plug-in Version Verification

Before using the *Sony PLAD-RW1* plug-in confirm the desired version is installed. Use the guide below to confirm the desired version according to your operating system.

Windows

- 1) Open the Windows Control Panel.
- 2) Select Programs and Features.
- 3) Under the Name column locate "Sony PLAD-RW1."

The version number can be found in the same row under the "Version" column. The plug-in version 1.2.0.672 will display.

Mac

- 1) On Mac OS X, navigate to <SYSTEM DRIVE>/Applications/Adobe Premiere Pro CS6/CC.
- 2) Right click on the Adobe Premiere Pro CS6/CC app, and choose *Show Package Contents*.
- 3) Continue navigating to /Contents/Plug-Ins/Common, and right click on the file called *ImporterSonyRAW.bundle*.
- 4) Choose "Get Info," and notice the version number listed in the resulting dialogue box.

The plug-in version 1.2.0.672 will display.

Working with Sony RAW MXF Files

With the plugin installed Sony RAW MXF files are supported natively within Adobe Premiere Pro CS6 and Premiere Pro CC. The native support eliminates the need for transcoding and allows the user to browse and import Sony RAW MXF files. Due to the large file sizes and data rates of RAW material, source clips should be stored on local drives with an appropriate RAID configuration and throughput as listed in the System Requirements section for optimum performance.

The Sony PLAD-RW1 plugin will provide additional metadata parameters, if available, which

can be found under the properties dialog of each clip inside Adobe Premiere. These parameters values are listed below:

- White Balance
- Auto White Balance Mode
- ISO Sensitivity
- Exposure Index
- Raw Black Code Value
- Raw White Code Value
- Camera Attribute

The desired Gamma curve and color space for the RAW MXF files can be changed between S-Gamut/S-Log 2 and 709/709 by right clicking on the chosen clip and selecting Source Settings. The “Set and Use as Default” button will apply the selected Tone Setting to all clips that are imported into Adobe Premiere Pro after that button is pressed. Only clips imported after the default gamma and color spaces are chosen will be affected by default selection. Clips imported prior to that will retain their current color spaces. Multiple clips can have their Gamma curve and color space changed at the same time by multi selecting them and then choosing the Set Source option.

Project Creation

- 1) Launch Adobe Premiere Pro CS6/CC.
- 2) Create a new project.
- 3) After the new project is created the user will be prompted to create a sequence. In the *Available Presets* pane, navigate to SonyRAW and select the preset with the desired frame rate.
- 4) Give the sequence a name.
- 5) Select OK.

Importing Sony RAW MXF Files

Premiere has several ways to import RAW MXF media to a project. The three most common ways are outlined below.

File Menu

- 1) From the *File* pull down menu, select *Import* (Ctrl+i) to open the Import window.
- 2) In the *Import* window, locate the pull down menu that contains the supported file extensions, and choose *SonyRAW Format (*.MXF)*.
- 3) Select the desired file(s) and then select *Open*.

Media Browser

- 1) In Adobe Premiere Pro CS6/CC open the Media Browser window.
- 2) Navigate to the storage RAID location containing the Sony RAW MXF media.
- 3) Locate the desired mxf file(s) and perform one of the following operations:
 - a. Right click the file and select *Import*.
 - b. Drag and drop the file to the timeline.
 - c. Double-click the file to load it to the Source Monitor and edit it to the timeline.
The entire file will be imported upon editing it to the timeline.
 - d. Drag and Drop the clip from Media Browser tab to the Project tab.

Window Explorer / Mac OS X Finder

- 1) Open Windows Explorer / Mac OS X Finder and navigate to the storage RAID location containing the Sony RAW MXF media.
- 2) Drag and drop the mxf media file(s) from Windows Explorer / Mac OS X Finder to the Project window in Premiere Pro.

Playback Settings

Depending on the project and system configuration, the resolution quality in the source and/or program monitors can be adjusted using the Playback and Paused Resolution settings to achieve desired playback performance. A 4K project will have the following resolution settings available: Full, 1/2, 1/4, 1/8, and 1/16. In Adobe the Playback Resolution setting can be found in the pull down menu located in the lower right hand corner of each monitor, whereas the Paused Resolution setting can be revealed by right-clicking on the desired monitor and locating the Pause Resolution in the context menu. The Source and Program Monitors can be configured independently for each resolution setting.

Supported Adobe Products

Windows 8 OS 64-bit

- Adobe Premiere Pro CS6 v6.0.3
- Adobe Premiere Pro CC

Windows 7 OS 64-bit Service Pack 1

- Adobe Premiere Pro CS6 v6.0.3
- Adobe Premiere Pro CC

Mac OS 64-bit 10.7.5, 10.8.x

- Adobe Premiere Pro CS6 v6.0.2

- Adobe Premiere Pro CC

*Note: This plugin does not support Mac OS X 10.6.8 (Snow Leopard).

System Requirements

In addition to the recommendation environment of Adobe, the following environment is also necessary.

- 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 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.
- OpenCL supported graphic cards are required. We recommend using the NVIDIA GeForce 400 and 500 Series for Windows OS, the AMD Radeon HD 6000 series, or NVIDIA GeForce GT 650M for Mac OS.
- We recommend using the Adobe Playback Resolution setting of ¼ for most frame rates and 1/16 for 50p and 59.94p frame rates.

Known Issues and Limitations

- System specifications are for playback of a single video stream with 16 tracks of audio for all formats at 1/4 resolution setting in Adobe except 50p and 59.94p.
- Playback for 50p and 59.94p material is supported as "best effort only."
- Please do not use "Match Sequence Setting" in the Export Settings dialog that uses the "I-Frame Only MPEG" Preview File Format setting.
- Linking to Network Media on Mac causes Media Pending message.
- JKL operations are sluggish when playing Sony RAW MXF Files in thumbnail view.
- Sony SR-D1 and AXS-CR1 devices are not designed for real-time playback in Adobe Premiere Pro CS6/CC.

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