

# ALEXA 65/LF/SXT/Mini & AMIRA

## ARRI Color Tool 1.6.0.1

RELEASE NOTES

Date: 26 Januar 2018

## 1 Introduction

ARRI provides the ARRI Color Tool (ACT), formerly AMIRA Color Tool, as a free software that allows you to create, modify and store looks as “ARRI Look File 2” (ALF-2) outside the camera. The software can playback native camera footage (Apple Quicktime clips) or DPX frame grabs and export/import/create ARRI Look Files. You can import a custom 3D LUT that was created in a 3<sup>rd</sup> party color grading tool or export ARRI Look Files (extract the looks from the file header). Additionally you can export any ARRI look file as a 3D LUT, separate CDL parameters (XML) or a 3D LUT including CDL parameters for use in other applications.

The ARRI Color Tool enables you to create looks faster and more convenient than via the camera menu. The software offers easy to use mouse and keyboard color controls using an intuitive industry-standard keyboard layout.

It is available as an application for 10.10 (Yosemite) 10.12 (Sierra) and 64bit Windows 7.

Download ACT free of charge at the ARRI website:

[http://www.arri.com/camera/alexa\\_mini/tools/arri\\_color\\_tool/](http://www.arri.com/camera/alexa_mini/tools/arri_color_tool/)

Please note:

*ARRI Color Tool does not create look files intended for use in the ARRI ALEXA/ALEXA XT camera (“ARRI Look File 1”). The ARRI Color Tool 1.5.0.1 is only compatible with AMIRA/ALEXA SXT/ALEXAMini and ALEXA 65.*

## 2 System Recommendations

### *Mac Systems*

- Mac OS X 10.9, 10.10, 10.11 or 10.12
- AMD/ATI or NVIDIA graphics adapter with at least 2048 MB of RAM.
- Latest graphics adapter driver installed.

### *PC Systems*

- 64 bit Windows 7, Windows 8.x or Windows 10.
- AMD/ATI or NVIDIA graphics adapter with at least 2048 MB of RAM.
- Latest graphics adapter driver installed

## 3 Feature Overview

- Load a QuickTime/ProRes file from the ARRI ALEXA SXT, ARRI ALEXA Mini , ARRI ALEXA LF or ARRI AMIRA camera
- Can create Looks for SDR displays in Rec-709 / Rec-2020 and HDR displays in Rec-2100 PQ and Rec-2100 HLG (SMPTE 2084).
- Clips can be displayed in Log C, default video or with ALF-2 looks.
- Looks can be applied from ACT Look Library or from clip file header (embedded look).

- Looks can be created by importing a 3DLUT or modifying the video parameter (black gamma, knee, pedestal, lift, gain, gamma and saturation).
- Looks can be modified by ASC CDL parameter (slope, offset, power and saturation)
- The created Look can be exported as ALF-2 Look File (.aml) or as 3D LUT.
- Pixel picker for accurate RGB value readings
- Save the viewer image as a \*.dpx or \*.jpeg file for exchange with colleagues.

## 4 Changes since 1.5.0.

1.6.0.1 – bug fixes in new version.

1.6.0.1 – added compatibility for ALEXA LF ProRes files

1.5.0.1 – bug fixes in new version.

1.5.0.1 – 3D LUT export option also for Windows platform available.

1.5.0.1 – Support of the new wide gamut HDR colors spaces (Rec-2100 PQ and Rec-2100 HLG) in ALEXA Mini and AMIRA cameras.

1.4.0.1 – bug fixes in new version.

1.4.0.1 – Creating the ARRI Look File 2 (ALF-2) format for ALEXA SXT cameras.

1.4.0.1 – Support of the new wide gamut colors spaces (Rec 2020, P3 DCI, P3 D65, P3 D60) in ALEXA SXT cameras.

1.3.0.b2 – bug fixes in new version.

1.3.0.b1 – added desqueeze option for anamorphic images in viewer.

1.3.0.b1 – support for *ARRI Look File 1*.

\*.xml files can be loaded, displayed and exported as a 3D LUT.

1.3.0.b1 – export of 3D LUTs for Canon and Flanders Monitor

1.3.0.b1 – support for different Target Color Spaces. (Rec 709, Rec 2020, DCI P3, DCI D65, DCI D60)

The wide gamut is supported beginning with AMIRA/ALEXA Mini SUP 4.0.

1.2.0.b1 – adding of Colormangement for viewer with icc profiles. Selectable in ACT preferences Color- Management. see screen shot.

1.2.0.b1 – support for different Target Color Spaces.

Please note that the wide gamut support is not yet supported with AMIRA/ALEXA Mini SUP 3.0. This support will follow with an upcoming SUP. Looks including a different color space than ARRI 709, will not be accepted to be loaded into AMIRA/ALEXA Mini.

1.1.0.b1 – file name length limit of ALEXA Mini/AMIRA (32 Characters) implemented

1.1.0.b1 – improved stability

1.1.0.b1 – added compatibility for ALEXA Mini ProRes files

1.1.0.b1 – renaming to ARRI Color Tool

1.0.0.b3 – \*.aml files are now being associated with ARRI Color Tool (doubleclick opens ACT)

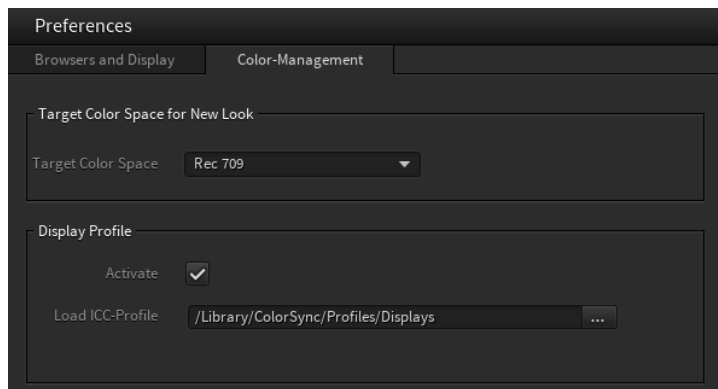
1.0.0.b3 – “Reveal in Finder” for DPX enabled

1.0.0.b3 – Timeline now deactivated for single frame sequences

1.0.0.b3 – Color-space buttons enabled for Isabella

1.0.0.b3 – New tooltips added

1.0.0.b3 – Online Help now points to the ARRI Color Tool Website



## 5 Getting started

To get you up to speed quickly, we have created a screencast series that you can watch on our website The [http://www.arri.com/camera/alexas/tools/arri\\_color\\_tool/](http://www.arri.com/camera/alexas/tools/arri_color_tool/) tutorial is online, it is called “ARRI Color Tool – A Quick Overview”. There will be more films coming soon.

There is also a very informative white paper (“AMIRA Color by Numbers”), which will give you a good introduction about the ARRI look workflow in AMIRA, ALEXA Mini, ALEXA SXT and ALEXA65.

Please check out <http://www.arri.com/de/camera/amira/downloads/>.

### 5.1 Color-Management in viewer with icc display profile

To get the correct icc profile please check which icc profile is currently used in the display profile preferences.

### 5.2 Wide gamut support

To create a new Look with wide gamma support, please choose first the appropriate Target Color Space in the color management preferences and create then the new Look by selecting Menu→ Edit→ New Look File.

Available Target Color Spaces are: Rec 709, Rec 2020, P3-DCI P3, P3-D65,P3-D60, Rec-2100/PQ and Rec-2100/HLG.

*Please be aware SDR displays can not reproduce ALF-2 looks for HDR color spaces (Rec-2100/PQ or Rec-2100/HLG) correctly.*

## 6 Known Issues

### • Realtime playback not possible on all systems

Depending on your system configuration realtime playback may not be possible. We recommend using systems with internal SSDs, Mac OS X 10.9 or higher and 16GB of RAM.

## 7 Questions & Contact

We ask you to report all problems, crashes, wishes and also things you like via eMail to [digitalworkflow@arri.de](mailto:digitalworkflow@arri.de). Please also report if the GUI is getting slower, or if you do not have real time

playback. Please include details about your mac's hardware and OS X version. We appreciate your feedback.

If you have any further questions or comments, please do not hesitate to contact our Workflow Team via eMail: [digitalworkflow@arri.de](mailto:digitalworkflow@arri.de).

## 8 External Libraries

This software uses the following external libraries:

- Nvidia: This software contains source code provided by NVIDIA Corporation.
- libtiff [www.libtiff.org](http://www.libtiff.org)  
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