ChangeLog for Features PDF Document (Cinelerra-GG/CGG)

Purpose of this changelog is to track of when/what areas of the Features pdf file have been changed.

This is the final version of the Changelog because all future new features/changes will be added to CinelerraGG_manual.

2019-03-01 to 2019-03-31
- Added section 12.1 and 12.2 on Preview modes and Named Layouts.
- Section 42.1 for Mixer Align by Audio has been added.

2019-02-01 to 2019-02-28
- Modified section 40.29 on Shuttles to reflect current implementation.
- New section B.4 Find Lock Problems with Booby Trap added to the developer's appendix.
- Changes added to the Shortcuts section.
- Updated Drag Handle Management "Key Table".

2019-01-01 to 2019-01-31
- Added section 40.29 describing the Shuttles for usage with Cin.
- New section 49 for information on Drag Handle Management.
- Modification for more shortcuts added in the Appendix shortcuts section.
- Fixed CinX / x264 10-bit mixups.
- Updated the differences.pdf documentation (this is pointed to by wikipedia article)

2018-12-01 to 2018-12-31
- Modification for more shortcuts added in the Appendix shortcuts section.
- Section 12 has been modified to document preview mode increased thumbnail sizes.
- New section for Inter-View mode is 46.
- Corrected out-dated information in section 13.
- Formatting fixes on various pages have been included.
- New section for Copy/Paste behavior for Drag/Drop mode and Dragging is 47.
- New section for Color Titles and Asset is 48.
- Appendix D – License has been added to contain various license information. Moved OpenCV license which was in 37.14.5 here. Added GPL and Creative Commons.
- Corrections and additions were added to section 41.3 Proxy Settings.

2018-11-01 to 2018-11-30
- Changed all references to cinelerra-cv to cinelerra-gg and Unify to Infinity.
- Etcher plugin description added in Section 37.16.
- Modification for more shortcuts added in the Appendix shortcuts section.
- Etcher plugin description added in Section 37.16.
- Changed 1.1.5 to Debuggable Single User Build and renamed original 1.1.5 to 1.1.6.
- Minor change in 37.0.2 for a different shortcut value.

2018-10-01 to 2018-10-31
- Very small mod to Title Plugin to remove character count limit.
- Added new section 41.13 to describe Trim Feature with Drag Handle.

- 37.1 section on ffmpeg plugin description one liners added or changed.
- Minor modification concerning lv2 plugins in section 37.15.
- Added section 37.0.8 to describe the Expanders for Resources/plugins.
- Modified 1.1.2 to include the libfdk_aac workaround for adding this back.

2018-09-01 to 2018-09-30
- Updated shortcuts section in the appendix.
- Added new section 40.28 to describe file pulldown "Export Project..".
- Section 32 has had description of "Overlays Window Nuances" added about "hot" and "cool" button operation.
- Modified descriptive strings, but not pathnames, containing 5.1 to be Unify and/or GG.

2018-07-01 to 2018-08-31
- Updated shortcuts section in the appendix.
- Corrections were make in 9.2.4, Recording TV to… (e.g. corrected to ctrl-alt-s).
- Added information on the FreeBSD build to the unbundled build, section 1.1.5.
- There is now a new section 6.3 for easy things to try When Things go Wrong.
- The Proxy section, 41.3, has had some of the recent enhancements included.
- A new section on using the Preview bar in the Compositor/Viewer is 41.12.
- 3 new timeline popup capabilities are described in section 40.27.
- Modified section 10 to include new Neophyte theme and screenshot display.
- Added section 42.3 to describe a couple of Settings→Preferences parameters and will use this area to add more in the future.
- User Folders / Bins is now described in section 45.
- Modifications to Vicons/Aicons to include the new Preview feature in section 12.

2018-06-01 to 2018-06-30
- Updated README.arch in the five/pkgs directory.
- Modified install area 1.2 to include Leap 15 and rename Leap to Leap 42 for the older version.
- Corrected section 38 about Cinx 10-bit build version.
- Unbundled Builds added as section 1.1.5.
- Section 39 on Lossless Rendering has been better worded.
- Added note to 30.2 stating that Nested clips can not be proxied and to Proxy Settings section 41.3 showing the error message received when attempt to nest a proxied clip.
- Modified Mixer Viewer / Multiple Cameras in section 43 to explain usage with proxy.
- Shortcuts.html corrections added.
- LV2 audio plugins was changed to document usage problems that may be encountered (37.15).

2018-05-01 to 2018-05-31
- Modified install area 1.2 to add ubuntu 18.
- Section 37.15 added to explain how to use/build LV2 plugins; specifically Calf Studio plugins.
- Added section 41.11 to document the "Click to play" functionality in the Viewer/Compositor.
- A few more options have been added in the Shortcuts appendix.

2018-04-01 to 2018-04-30
- Added to section 37.14 for new OpenCV plugin information of Style and Puzzle Obj plus reworked FindObject to describe new features.

- Shortcuts in the Appendix has changes for any newly added shortcuts.
- Added warning to section 7 on Speed/Length Duration to explain that inserts on speed will not correct the duration.
- Clarification in the Proxy section 41.3 on returning to the original quality video has been made.
- Visibility setup for plugins has been changed to reflect the changed code in section 13.
- New ffmpeg plugins have had short descriptions added in section 37.1.

2018-03-01 to 2018-03-31
- The Table of Contents now has hyperlinks to more easily move around.
- Added section 41.10 for information about backup and Perpetual Session.
- How to build from a previous Git version is now documented in section 1.1.4.
- Shortcuts in the Appendix has changes for single frame insertion and "o" Load files.
- Section 37.12 added for DeScratch and all following ones renumbered.
- Speed/fade automation and ganging usage in Section 7 slightly modified for speed duration.

2018-02-01 to 2018-02-28
- Slight correction in 40.2 Blade Cut.
- Section 1.2 README has minor changes.
- Quite a few additions to Shortcuts section in the appendix.
- Section 41.8 added to describe Repeat Play / Looping.
- Modifications of section 40.9 concerning yuv4m(peg pipe).
- Documents a-icons, audio icons, in resources window in section 12.
- Added 41.9 to discuss how to do Timelapse sequences.
- Section 30 on Nested Assets has been reworked to include nested edls and more information.
- CriKey plugin has been re-documented due to code changes.

2018-01-01 to 2018-01-31
- Finished 41.5 to include lines necessary for VP9 2-pass operation.
- Added section 3.7 to describe extra "cin_" options to use for rendering.
- A new explanation section for how to use video rendering piping is added as 40.9.
- Section 40.10 describes raw video/audio input opts file.
- Renumbered 40.9-40.25 by incrementing section number by 2.
- Added CIN_RENDER to environment variables in section 40.5.

2017-12-01 to 2017-12-31
- Added section 1.1.3 for how to clone the Git repository and save update download time.
- Section 41.6 describes Color Space and Color Range affecting playback.
- Render shortcuts for h264 and h265 2-pass encoding is now described in section 41.5.
- Section 41.7 provides 8 easy steps to create a basic youtube/dailymotion video for new users.
- Modifications have been made to section 3.4.
- Description of Grabshot has been added to section 40.21.

- Textboxes allow for cut, copy, and paste.
- New build option of - - with-git-ffmpeg=no or url.

2017-11-01 to 2017-11-30

- Section 42.3 describes how to use the Mixer Viewer / Multiple Cameras.
- Seeking issues workaround and reason added as section 41.2.3.
- Added crash dump how to for non-root using ptrace_scope in section 6.2.
- Section 3.4 is new for documented V9 options file and rest of 3.x renumbered.
- Added section 41.5 to explain Batch Render usage for 2-pass ffmpeg.
- How to compile and run ydiff is in Appendix C and appendix C is now D.
- Section 40.23 describes Blade Cut and Hard Edges.

2017-10-01 to 2017-10-31

- Added Section 40.18 on Alternative to using Numeric Keypad.
- Description of Window Input Focus is in section 40.19.
- Selection Highlight Color documented in section 40.20.
- Snapshot usage to png, jpg, or tiff in 40.21.
- Search/Filter Option for Plugins and Assets in 40.22.
- New section added, 42, for Performance Tips.
- Optimized/Direct X11 speedup for large format files in section 42.1.
- Speed-up of Ffmpeg plugin usage with Opts file in section 42.2.
- Modifications to include the latest HV7 changes are in various places.
- Added section 41.4 on Snap/Cut editing and snap while dragging stickiness.
- Slight changes have been made in 37.7 on the Title plugin to explain how to debug the fonts and some associated new setups.
- Modified Shortcuts in Appendix C for additions and corrections.
- Section 37.0.6 documents Saved Plugin Presets and Factory Presets.
- Recording screencapture trivial changes in section 9.1.
- Multiple assets information windows simultaneously displayed in section 28.
- Changes in Translation Assistance and MSGQUAL documented in Appendix B.3.
- Picon strategy change documented in 37.0.3 – 37.0.5.

2017-09-01 to 2017-09-30

- Find Object, Move Object, Flow Object, and Gabor plugins along with instructions to build OpenCV-3 is now described in Section 37.13.
- Proxy Settings is now documented in section 42.3.
- Added Rumbler plugin description in section 37.12.
- Just install it section 1.1.2 has been updated for how to install tars and packages, along with the inclusion of Leap 42.3 message that package is unsigned and you will have to ignore it.
- Modified "Playing/Seeking" in section 41.2.
- Gang speed/fade automation added screencast, more information, and notes.
- Section on how to create your own ffmpeg/ladspa plugins has been changed – 37.0.3-5.
- Even more corrections to some references for Settings→Preferences location changes.

2017-08-01 to 2017-08-31

- More corrections to some references for the Settings→Preferences that changed location.
- Created section 37.11 to document C41 plugin for negative images transformation to positive.

- Added CIN_XSYNCH as environment variable for developers in section 40.5.
- Minor improvements put in section 40.14 for Probe Order and 1 line changes in 40.15 & 2.
- Started a new section 41 for "How Some Stuff Works".
- Description of Copy/Paste buffer usage has been added in Section 41.1.
- Playing as being different from Seeking/Positioning explanation is now in Section 41.2.
- New section 40.17 included on recent minor improvements to the Render window.
- Added Shortcuts section to document almost 200 shortcuts as Appendix C.
- Changes to CriKey plugin (incomplete yet) in section 37.10.

2017-06-01 to 2017-07-31

- Added Credit to WPfilmmaker wording in Section 37 for his Ffmpeg plugin descriptions.
- Changed reference to mpeg3 to zmpeg3.
- Documented "Interpolate CR2 images" and "White balance CR2 images" usage in Section 40.15 on Raw Image Format.
- Faststart option changes in usage corrected in section, 40.13.
- CriKey description was added in section37.10.
- Slackware package install for Cinelerra 5.1 build has been added in section 1.2.
- Line added in section 14 about h the "Setting Shell Commands" option.
- Some environmental user configurable settings have been documented in section 40.17.
- Moving Clips or Media across Instances of Cinelerra replaced Section 25 (which moved).
- The Plugin Section 37, has had other plugin information sections moved there.
- Perspective plugin with its 4 smoothing options and new key usage is now described in 37.
- Info for Plugins and choice of Plugins set has been added as a new feature in section 37.
- Some of the Settings→Preferences screenshots were revised to reflect the Appearance tab.

2017-05-01 to 2017-05-31

- Added documentation, courtesy of W P, for the ffmpeg audio plugins (Thanks to him!)
- Faststart option usage documented in new section, 40.13.
- Probe Order new option has been added as section 40.14.
- Raw Image Format for high-end camera usage in section 40.15.
- Zoom Slider for compositor viewing is described in section 40.16.
- Minor changes to section 1.1, how to build from the Git repository.
- Title plugin improvements have been added to section 37.7.
- Minor changes to ffmpeg video plugins for additions and deletions of some plugins.

2017-04-01 to 2017-04-30

- BlueBanana plugin documentation has been added as section 37.8 with example usage and complete definitions. Documentation was based on that of other people.
- Clarification remarks added to section 34 on Multi-screen / Playback Configuration.
- Added section 1.1.2 which shows an example of what you may encounter when building from the git repository if you have a highly customized environment.

2017-03-01 to 2017-03-29

- Latest changes for the Title plugin concerning color picker, such as history, color picker eyedropper usage, hex value, stroker, and tooltips. Also, usage of choosing fonts in the Titler.
- Section 40.12 added which describes the "Load files..." sub-list selection.
- Usage for xlat.C language translation in Appendix B.3 has been updated for C_ and D_ .

- Section 40.7 updated on Save to EDL path and Use Current EDL in the Batch Render menu.

2017-02-03 to 2017-02-28

- Added PDF headings so that "Show Document Outline" will show up on the left side and make it easier to get to a specific section. You may have to click on the upper left side button to see.
- Title plugin changes have been documented in Section 37.7.
- User-mode BD Render workaround for mount/umount requirement in Section 8.3.5.
- How to Create Bluray media from multiple bd.m2ts added as Section 8.3.6.
- Plugin SVG via Inkscape moved to Section 37.6.
- Added new 40.7 as "Batch Render – Save/Use EDL and Save/Load Jobs".
- Button Operations description in Section 40.9 changed to include new focus preferences.

2017-01-31

- Incorporated WP ffmpeg Video Plugins usage and descriptions into section 37.
- Added section 40.11 to describe how to use unicode characters in textboxes.
- Section 37, New or Newly Documented Plugins, was split up into subsections.
- Motion51 stabilization plugin usage description included in Section 37.
- Minor corrections and arrangement was done in the SD/BD Creation section.

2016-11-06 to 2016-12-30

- Section 39 created for basic "lossless" rendering usage (2016-12-30)
- Replaced 40.2 File "New project..." with File "Load" sort within sort (2016-12-30)
- Expanded explanation of "Replace" insertion strategy in section 40.1 (2016-12-30)
- Minor wording changes for DVD creation throughout section 8 to reflect code changes (12-30)
- Section 8.1 heavily modified with examples of SD and BD terminal output (2016-12-30)
- Section 8.2 has had a Checklist for Troubleshooting DVDs creation (2016-12-30)
- New section 8.3.4 on directly creating blu-ray from HDV-sourced camcorder media (12-30)
- Added section 38 with a short paragraph on CinX for 10/12-bit processing (2016-12-14)
- Added more information in sect. 6 on Problem Resolution Help/Reports/Crash Dumps (12-14)
- Added/updated section 40.5, 40.5.1, 40.5.2 for creating plugin icons (2016-12-13)
- Corrected in section 3.1 video_effect to video_filter (2016-12-07)
- Added section 40.10 to document "Project SMP cpus" Count (2016-11-24)
- Added in section 37, documentation for plugins EchoCancel and Scale Ratio (2016-11-06)

2016-10-27

- Complete illustrated example of creating DVD as Section 8.4
- Some Plugins (new or newly documented) as Section 37
- Definitions Scaling options of None/Scaled/Cropped/Filled/Vert and Horiz Edge (around p.25)

2016-09-26 to 2016-10-12

- Minor descriptive wording for Logical/Arithmetic Overlay Modes in Section 21

2016-08-29 to 2016-09-25

- Dual Screen Mode described in Section 9
- Color Coded Keyframe Curves/Different Operational Characteristics put in Section 32
- Plugin SVG via Inkscape added as Section 40.7
- Hide Keyframe Type added as Section 40.8

- Button Operation Preference added as Section 40.9
- How to get ffmpeg format lists added at the end of Section 3.2
- Steps to demonstrate Auto Gang of Speed on audio/video tracks at end of Section 7
- Many minor wording updates on How to Create Blu-ray and Regular DVDs in Section 8
- Screenshots for DVDs update to reflect improvements/new Scale Ratio capabilities in Section 8
- Overlay Modes/Alpha Blending with PorterDuff and Operators modified in Section 21

2016-07-01 to 2016-07-30
- Mpeg utilities in Section 8.3.2
- Record on The Fly Table of Contents in Section 9.2.7
- Multi-screen Playback Configuration in Section 33
- Free Dragging Plugins in Section 34
- Simple Animation Filescene using Festival in Section 35
- Other Noteworthy minor enhancements in Section 40.1 – 40.6
- Appendix B added, B.1-B.3, consisting of some detailed info for Developers
- Ffmpeg Image2 Streams description added to Section 3.4
- Section 1.1.2 on How Builds Really Work and Even More options moved to Appendix B
- Section 3.4 became Section 3.5
- Minor changes made to DVD Subtitles in Section 8.3.1

2016-06-02 to 2016-06-30
- New Features now described in Sections 22-32
- Further information on building/installing in Section 1.1.1, 1.1.2, and 1.2
- Screenshot added to Toolset Visibility in Section 13
- Minor descriptive wording/screenshots for creating DVDs changed in Section 8