

Lightworks 2023.1

Release Notes

Copyright and Disclaimer

Copyright © 2023 by LWKS Software LTD

This document, as well as any software described in it, is furnished under either a license or a confidentiality agreement, is confidential to LWKS, and may be used or copied only in accordance with the above mentioned agreements. The information in this manual is furnished for your use only and is subject to change without notice. LWKS assumes no responsibility or liability for any errors or inaccuracies that might appear in this document

This Documentation is the property of LWKS and is provided in accordance with an LWKS license agreement. Copying, modifying, or distributing this Documentation in violation of the license agreement, Copyright Laws of England and Wales, or the Copyright Laws of any applicable foreign jurisdiction is expressly prohibited.

LWKS is a registered trademark of LWKS in the US and other countries.

Avid is a registered trademark of Avid Technology, Inc. Final Cut Pro, Leopard, Macintosh, and Macintosh OS are registered trademarks of Apple, Inc. Premiere is a registered trademark of Adobe, Inc. Windows is a registered trademark of Microsoft Corporation. All other brand and product names are trademarks or registered trademarks of their respective companies and are hereby acknowledged.

To the best of our knowledge, the information in this document is accurate; however, LWKS assumes no responsibility or liability for the accuracy or completeness of this information. Mention of trade names or commercial products does not constitute endorsement by LWKS except where explicitly stated.

LWKS Software Ltd
Gloucester House,
72 Broome Manor Lane,
Swindon,
SN3 1LX

www.lwks.com

January, 2023

New Features and Fixes in Version 2023.1

This section summarizes the fixes, enhancements, and features that have been implemented in this release of Lightworks.

Cross Platform New Features and Fixes

This section describes the cross-platform new features and fixes contained in this release.

New Features:

- Added HDR workflows
    - HDR format is now detected from the media files (MOV/MXF/MP4)
    - HDR colour space information is now available to view for HDR media in Bins and on the Metadata panel
    - Bit Depth of the video is now available to view for media in Bins and on the Metadata panel
    - Added the ability to change the 'Playback colour space' on a sequence (Lightworks Pro Only), for Lightworks Free and Lightworks Create the SDR colour spaces can be selected.
    - Added the ability to change the 'Colour space' option on the Export panel (Lightworks Pro Only)
      in this version the option is locked to the current colour space, i.e for export of a sequence it follows the 'Playback colour space'.
    - Added the ability to change the 'Monitor Colour space' option on the Video->Output tab of the project card (limited to Default and rec709 currently)
      'Default' option sends native video colour space (SDR or HDR) to be interpreted by the display. 'Rec 709' option applies a viewing conversion from HDR to SDR.
    - The sequence timeline will allow mixed HDR/SDR formats for the purpose of review
    - HDR format is signalled in the exported media files (Lightworks Pro Only)
    - Updated the CIE scope to display the sequence colour spaces above rec709 for HDR workflows (Lightworks Pro Only)
    - Added "Apply HDR transforms" setting on the Video->Output tab of the project card. This controls if automatic colour management is active or not
    - Added Rec 2020, P3 Display (HDR), P3 DCI (HDR), HLG (HDR), and PQ (HDR) options to the 'Monitor colour space' output setting
- Added the ability to draw/create Masks: Ellipse, Square or Complex Shape (user defined) to various effect categories:
    - DVE effects category: All
    - Colour effects category: All
    - Stylise effects category: All
    - Key effects category: Lumakey and Chromakey
    - Matte effects category: 2D Shape and Colour/Corner Gradient
    - Mix effects category: Blend, Dissolve, Luma Wipe and Masked Blend
    - Added Inside/Outside Colour Correction effect, allowing two separate tabs for Inside (the mask) and Outside (the mask)
    - Added the ability to keyframe Effect Masks
    - Added new 'Speech Bubble' effect under the Matte effects category
    - Added ability to replace a colour effect and preserve the mask shape (if created)
- Added the ability to create and define custom layout templates (Fixed Layout Only)
    - Added new EDIT tab layout to expose more features (Fixed layout only)
    - Added the ability to enable/disable visible items on panels by clicking the '+' icon
    - Added the ability to reset the view back to the default by right clicking the tab header
    - Added ability to reorganise the tabs at the top of the Fixed layout
    - Added the ability to switch between Tiles or List view for Effects (Fixed Layout Only. Flexible coming soon)
    - Added the ability to switch between Tiles or List view for Transitions (Fixed Layout Only. Flexible coming soon)
- Added vertical resizable scrollbar to effect parameter graphs

- Added 'Graph height' slider to the effects panel menu (ctrl + mouse-wheel still supported)
- Added Graphs for grouped effect parameters to be correctly aligned with non-grouped parameters
- Added various streamlined user-interface changes throughout the application
- Added new Lightworks logo on the project browser
- Added fullscreen playback icon to sequence/source viewers
- Added 'Toggle auto-track sync' icon to the sequence timeline
- Added 'Toggle audio levels editing' icon to the sequence timeline
- Added the ability to import OpenEXR media
- Added the ability to export to OpenEXR media (Lightworks Pro Only)
- Added improved ability to drag and drop into the application, allowing drop to a viewer, bin or timeline
- Added improved import panel making more options and libraries visible by default
- Added ability to always restore the default media location if one is not present
- Added eight new keyboard shortcut assignments, 'Add favourite 1-8' Bound to ALT F1-F8 by default for adding Favourite Effects
- Added the ability to save audio plugin effects as Favourites
- Added Steinberg Halion SE to the audio plugin blacklist
- Added ability to open sequences as sources on the new EDIT layout (Fixed layout only)
- Added Mask parameters to the keyframe graph (apart from curve point keyframes)
- Added the 'Assemble' tab by default (Fixed layout only)
- Added video colour space metadata for MXF export (AVID DNxHD, DVCPRO and DV)
- Added option to allow the mask wireframe to be visible when scrubbing the sequence timeline
- Added improvements to the In/Out Colour Correction effect
- Added 'Auto follow' option for CIE scope Display
- Added the ability to add the Export panel within the new fixed layouts
- Added Faster forward and Rewind keyboard assignments: 2000%, 3000%, -2000%, -3000%
- Added support for LUTs with negative values
- Added 10-bit/8-bit encoding option for H.264/MP4 export (Lightworks Pro Only)
- Added additional support for more animated GIFs
- Added Noise Gate effect (Lightworks Create and Pro Only)
- Added Limiter effect (Lightworks Create and Pro Only)
- Added ability to drag Effects to the routing tab (Fixed layout)
- Added 'Optimise for streaming' option to H.264 export option (Lightworks Pro Only)
- Added 'Keyframe interval' option to H.264 export option (Lightworks Pro Only)
- Added an option to override the automatic sequence format when creating a sequence
- Added overlay reporting the missing LUT when encountered
- Added ability to include a custom thumbnail image to upload along with the YouTube upload option (2mb max JPEG/PNG only)
- Added ability to change the colour space metadata for a clip in the bin, allows overriding of the original values supplied in the media file
- Added ability to filter/search the LUTs list
- Added tooltip to the 'Keyframe' setting on the H.264/MP4 export option
- Added 'Half' and 'Quarter' resolution sizes for proxies
- Added in "Lock centre" toggle for Masks/2D curves
- Added ability to set the Black/White image colour settings from the sequence
- Added ability to install 'Community Effects' files directly to the application from the Effects settings panel
- Added search functionality to the Font selection list
- Added ability to export an individual frame on Image Sequence export (Lightworks Pro Only)
- Added Tasks log file to all Lightworks.archive exports
- Added in 16-bit options for PNG and TIFF image sequence exports
- Added warnings when creating a project backup and some media is missing
- Added 'Downloads' to Shortcut places on the import panel
- Added support for Apple ProRes HDR exports (Apple Certified)
- Added ability to add tangent curves when adding Mask points using press+drag
- Added further improvements to the GOP length on H.264 exports to improve quality
- Added missing Apple ProRes DCI 4K (4096x2160) on the export menu
- Added text to the community effects panel if an internet connection problem is detected

- Updated the messages shown on the 'Activate license(s)' panel
- Provided panels/components for Clips/Sequences/etc (Fixed Layout Only)
- Improved 'Close gap' to respect 'Auto Track Sync' setting
- Improved the default quality on YouTube uploads
- Improved the 'Reconfigure' option to be available in each layout
- Disabled animated GIFs being detected as image sequences
- Disabled ability to click the user icon on the license panel
- Preserved redundant cuts in AAF/XML/OMF imports rather than remove them
- Removed Scale X and Scale Y for Ellipses and Rectangles
- Removed the 'Keyframe shape' toggle button for ellipses and rectangles and show individual param keyframing toggles
- Removed invalid and non-functional options from the 'File type' list on Image Sequence export
- Reinstated the pull up metadata panels for clips and sequences
- Changed 'Keyframe shape' toggle name for Curves to 'Keyframe curve points' (this only affects the non-visible curve point and tangents params on the panel)
- Changed mask parameters to appear (greyed out) whilst drawing/creating the shape
- Prevented Epidemic Sound media from being imported using the 'Create link' option
- Prevented Opus audio from attempting to play back (now silence)
- Newly created projects now use the last chosen bin column layout by default

Fixes:

- Fixed effective envelope not updating after linearizing a segment
- Fixed Alt+drag to copy VFX
- Fixed inability to import .SRT files into the application
- Fixed logs not being received/copied successfully between projects
- Fixed potential crash exporting to WAV with a 'Compressor' Effect added to a clip
- Fixed Reference AAF importing with clips in the correct position within the sequence but the wrong part of the clip being used
- Fixed issue with MP3 files not importing correctly
- Fixed issue with white noise being produced on embedded AAF exports
- Fixed performance issues with audio plugins on the sequence
- Fixed issue with archive restores not restoring all the media correctly
- Fixed incorrect gap appearing when dragging a clip to the end of a sequence and dropping
- Fixed potential crash with Waves audio plugins
- Fixed issues with logs not updating correctly when copying between projects
- Fixed .psd and other file types not importing
- Fixed XDCAM EX files not playing correctly
- Fixed potential crash when attempting to edit an image sequence
- Fixed Media link files not being deleted when deleting a project
- Fixed performance issue with badly formed PNG files using up system memory
- Fixed incorrect shape sizes when adjusting using the viewer overlays
- Fixed potential crash changing folders on the import panel
- Fixed spurious messages when reporting errors on export
- Fixed potential crash during export due to audio crossfades
- Fixed potential crash on startup due to ED5s being present in the lobby folder
- Fixed the flag icon not appearing correctly on the timeline of images
- Fixed crash when attempting to show the effects panel for a user effect that's no longer present
- Fixed Bit depth being misreported as 10bit for 8bit
- Fixed image name not appearing correctly on the viewer when changing the name on the timeline (Flexible layout only)
- Fixed the Out timecode on a ranged Cue being partially obscured (Flexible layout only)

- Fixed In/Out colour FX always being truncated in Flexible layout
- Fixed the recorder playback format influencing the magnification in the player
- Fixed incorrect creation of logs Backup zips
- Fixed incorrect stride with some still images
- Fixed crash reading gifs due to uninitialised data
- Fixed spurious messages when reporting errors on export
- Fixed handling of 8bit DIBs
- Fixed potential crash exiting the project from fixed layout
- Fixed undo icon being obscured by the voice over icon when not using the default scale
- Prevented showing image-key position on the viewer if the user hasn't chosen an image yet
- Fixed crash entering the project after viewing an effect curve and exiting the project
- Fixed curve line on the Curves tab of Selective Colour Corrector not moving correctly
- Fixed issues with Image Key effect and display of still images
- Fixed incorrect view of the graphs panel after adding keyframes
- Fixed Keyframe graph panel jumping about in Flexible layout when clicking with the mouse
- Fixed potential crash opening a project from an earlier version of Lightworks
- Fixed tooltips flickering when mousing over tiles in Flexible layout
- Fixed Pond5 search returning no results
- Fixed DPX image sequences not playing correctly
- Fixed incorrect keyboard shortcuts showing when creating an HTML report
- Fixed another crash when attempting to show the effects panel for a user effect that's no longer present
- Fixed 'Add audio crossfade' keyboard shortcut not reliably inheriting the last-used settings
- Fixed clips with LUTs applied on the sequence being black when restored from a Lightworks Archive
- Fixed acquisition of new refresh token for YouTube uploads
- Fixed broken sequences from 2021.3 that have 3D LUTs applied
- Fixed issues with handling missing 3D LUTs
- Fixed 'Not Imported' text appearing on source viewers when it shouldn't
- Fixed animated GIFs that have a non-black transparent colour
- Fixed Transitions becoming corrupt
- Fixed aspect ratio changing on a clip on playback start/stop
- Fixed missing LUTs no longer causing the sequence to be displayed as black
- Fixed hyperlinks that contain '?' characters does not working when clicking
- Fixed clip LUTs not being restored correctly
- Fixed timeline track enable/disable affecting the content in the exported file
- Fixed audio on proxy being lost if access to the Hi-Res media is not available
- Fixed the list of LUTs not displaying correctly when there are many
- Fixed crash when changing the tab on the Scopes (Video Tools) panel (non-OpenCL only)
- Fixed sequence copies (when an alternate frame-rate is chosen)
- Fixed missing clip name suffix from the source viewer
- Fixed newer style Scopes (Video Tools) not working with newer AMD video drivers
- Fixed potential issue with poor image quality on thumbnail images
- Fixed incorrect colour on Blackmagic BRAW media
- Fixed incorrect text on the product tooltip on the license panel
- Fixed potential crash selecting the date on the search card for the 'Created' criteria
- Fixed last Bin in the list being partially covered by the edge of the table
- Fixed deleted effects not disappearing directly from the Recent category
- Fixed the 'Clips' checkbox always being unticked when revealing the search panel
- Fixed incorrect Cineform metadata preventing MOV exports playing in other applications
- Fixed incorrect tooltips for QC templates (when the description is long)
- Fixed no media locations being added on fresh installs
- Fixed Quicktime animation files with alpha channel having incorrect colours
- Fixed incorrect DVE effects when they span clips that have different aspect ratios
- Fixed The project filter not persisting correctly when switching project spaces
- Fixed incorrect appearance of the standalone video routing panel (Flexible layout)
- Fixed missing viewer settings menu icons (Flexible layout)

- Fixed obscured fullscreen icon on sequence viewers in shared project spaces
- Fixed over sized import clips panel on fresh application installations
- Fixed potential hang exporting a single frame when no marked region is set
- Fixed Bin column presets can not be saved
- Fixed Bin column presets can not be deleted
- Fixed gamma shift after HDR export/import roundtrip
- Fixed codecs list not being sorted by quality level
- Fixed incorrect unjoin indicators for FX tracks
- Fixed RED R3D decode format name
- Fixed potential crash loading a Bin template
- Fixed inability to browser for AAC media on the Import panel
- Fixed media path disappearing after creating a proxy and restarting the application
- Fixed incorrect information showing in the config.log
- Fixed hang scrubbing a value slider on the Parametric EQ audio effect
- Fixed invalid warnings appearing on social media export options when set to PAL/NTSC playback formats
- Fixed sequence playback showing the incorrect image when using 1440x1080 with OFX plugins
- Fixed incorrect image colours on OFX when using 8-Bit GPU Precision only
- Fixed new versions of audio plugins causing the scanner window to appear every time the app is started
- Fixed potential issue on failure to start correctly resulting in the license panel appearing
- Fixed inability to scroll the language menu on the startup wizard
- Fixed poor quality thumbnail images on the Import panel

Windows New Features and Fixes

This section describes the Windows new features and fixes contained in this release.

New Features:

- N/A

Fixes:

- Fixed colour shift issue on the image when using BCC effects and set to higher than 8bit precision
- Fixed Selective Colour Correction effect no longer working at all
- Fixed potential failure to start the application
- Fixed incorrect sequence format being sent to NewBlue TitlerPro resulting in poor quality images
- Fixed OFX plugins with unconnected inputs are not rendered/displayed correctly

Linux New Features and Fixes

This section describes the Linux new features and fixes contained in this release.

New Features:

- N/A

Fixes:

- Fixed Emojis not being rendered correctly
- Fixed German acute key ´ not being recognised within Lightworks
- Fixed newly created ED5s not being saved in the project folder until exiting the project
- Fixed the root folder being inaccessible using the 'Up' button on the import panel
- Fixed timeline being drawn incorrectly when segment thumbnails are enabled

- Fixed missing User Effects category
- Fixed OFX plugins with unconnected inputs are not rendered/displayed correctly

macOS New Features and Fixes

This section describes the macOS new features and fixes contained in this release.

New Features:

- Minimum supported version of Mac is now 10.14 (Mojave)

Fixes:

- Fixed colour shift issue on the image when using BCC effects and set to higher than 8bit precision
- Fixed newly created ED5s not being saved in the project folder until exiting the project
- Fixed the root folder being inaccessible using the 'Up' button on the import panel
- Fixed 'Edge softness' and 'Opacity' not working on the 3D DVE
- Fixed incorrect sequence format being sent to NewBlue TitlerPro resulting in poor quality images

Limitations and Known Problems in Version 2023.1

This section describes the limitations and known problems contained in this release.

Cross Platform

- Audio plugin effects can not be added as 'Favourites'
- Systems that do not support OpenCL will not experience the new Video Tools panel updates
- There is no Effects vendor categorisation in the Video/Audio Effects lists
- Depending on the amount of third party plugins installed on the system, the first startup of this new version may be slow and consume memory
- H.264 Proxy files will fail to be created from high frame rate media
- Some proxy images may have incorrect black bars surrounding the image
- Prints containing multiple V tracks and DVEs used will not display correctly in a sequence
- DVEs may change position when switching to a different sequence output
- H.264/MP4 exports at 23.98fps show the audio sync is half a frame out
- Freeze frames, in sequences exported to AAF, are ignored in Adobe Premiere (XML works).
- Proxy files are not created for files shorter than one second in length, when set to H.264.
- After removing a media space, with the import panel open, Media may appear offline.
- Some MTS files show pixelation on the start frames.
- The Audio Monitor Delay setting is not accounted for during export.
- AVID DNxHD 10bit encode is not possible.
- There is no support for importing .WMV files.
- Make sure all applications are closed before attempting to install Lightworks.
- Blu-ray VC1 export does not generate a valid file, instead it imports back as Sound only.
- Audio on exported AVCHD files cannot be played by Windows Media Player. The audio is muted.

Windows 64-bit

- There is no QuickTime Movie/MPEG4 import/export via Apple SDK.
- After Effects plug-ins are not supported.

Linux 64-bit

- Debian Distros:
  - Ubuntu/Lubuntu/Xbuntu 20.04 and higher
  - Mint 17 and higher
- RPM Distros:
  - Fedora 34 and higher
- Fedora is only supported when enabling Xorg. There is no support for Wayland (default) currently.
- Some audio plugins cause a hang at startup (launching Lightworks using sudo is a temporary workaround)
- Custom plugin user interfaces are currently disabled
- Fedora installs fail if using Mesa drivers.
- There is no QuickTime Movie/MPEG4 export option.
- There is no .WMV import.
- ATI and Nvidia cards are supported. LWKS Software LTD recommends Nvidia for the best performance.
- Do not use linux default GFX driver. If you experience the viewer playing at a reduced size then the Linux default graphics driver is installed. Make sure the Nvidia driver is loaded and that the system is restarted.

Mac OS X 10.14 and Higher

- Potential loss of output clicking the voice over icon on a sequence with AJA hardware enabled
- Any users running Macbook Pro systems MUST disable 'Automatic graphics switching' under 'Energy Saver' in 'System Preferences'.
- Lightworks supports Mac OS X 10.14 and higher, earlier versions are not tested
- There is no H.264 MOV export.
- There is no QuickTime/MPEG4 export option.
- There is no support for Matrox I/O hardware.
- Video overlay may change brightness on playback when running dual monitor setups.
- MTS Playback may be poor.

Matrox Hardware I/O

- If your system is not fast enough or does not have sufficient memory, the captures using MXO2 will stop with a 'dropped-frame' message.
- If the drives you are recording to are not fast enough the captures using MXO2 will stop with a 'dropped-frame' message.

Limitations and Known Issues With Boris FX Continuum (Windows and Mac only)

- There is a crash opening Mocha Motion Tracker on some plugins
- The image background is missing when opening up BCC Mocha Pixel Chooser
- OpenFX transitions between segments of different dimensions are not correct
- Potential hang attempting to add an effect to a clip if the thumbnail image is grey

Limitations and Known Issues With NewBlue FX (Windows and Mac only)

- When opening the Titler Pro plugin there is a long delay waiting for the plugin to open and display the licensing panel (NewBlue issue)
- Uninstalling NewBlue may result in text not showing within Lightworks, please restart the system (NewBlue issue)

Blackmagic Hardware I/O

- Input or Output only devices cannot be used. Lightworks requires both an Input and an Output to be present on the device.
- USB 3.0 devices may not work correctly on a Mac running Windows Bootcamp.
- Audio monitor level control has no effect on Blackmagic recordings.
- You will not be able to view video from Boris Red via the Blackmagic Output when Lightworks is running.
- SDI Output does not playback smoothly if a title has been applied to the material.

AJA Hardware I/O

- Audio monitor level control has no effect on AJA recording.
- There is no E-E when using the KONA LHi during recording.
- If your system is not fast enough or does not have enough memory, the captures using AJA devices will stop with a 'dropped-frame message.
- If the drives you are recording to are not fast enough, the captures using AJA devices will stop with a 'dropped-frame' message.
- AJA/BMD SDI Output does not playback smoothly if a title has been applied to the clip.
- On Kona 3G SDI 2 output must be used with Windows 64bit.

Troubleshooting

If you experience an issue with your Lightworks installation, or something is not working as expected, visit our FAQ page at https://lwks.com/faqs/ where you can type in a question relating to the issue and view the search results. If you do not find an answer to your question, you can refer to the Lightworks forums at https://forum.lwks.com/