



Lightworks v14.5

Release Notes

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Introduction

This document summarizes updates and fixes for prior limitations made to this release of Lightworks, and which are not described in the User or Installation Guides. See the following sections:

- **Fixes and Features in Version 14.5**
- **Limitations and Known Problems in Version 14.5**
- **Troubleshooting**
- **Technical Support Contracts**

Fixes and Features in Version 14.5

- **"Cross Platform Fixes and Features"**
- **"Windows Fixes and Features"**
- **"Linux Fixes and Features"**
- **"Mac OS Fixes and Features"**

Cross Platform Fixes and Features

- **"New Features"**
- **"Fixes"**

New Features

- Added export option to Reaper (Lightworks Pro only)
- Added support for Exporting/Transcoding/Rendering to Cineform HD/UHD AVI/MOV (Lightworks Pro Only)
- Added varispeed information to FCP7 XML exports (Lightworks Pro Only)
- Added reverse varispeed information to XML exports (Lightworks Pro Only)
- Added export quality setting to the JPEG image sequence option (Lightworks Pro Only)
- Added export format option for Free users "H.246/MP4 (Free)"
- Added support for decode of Cineform codecs

- Added support for AC-3 audio in mp4/mov/m4v/m4a wrappers
- Added support of variable frame rate files (.mov .mp4, .m4v)
- Added Histogram graph to the Video Tools panel
- Added Frame Rate search criteria to the Content Manager
- Added ability to "slide" an effect crossfade trim so that the trim can be moved up/down the timeline without damaging the sequence as it currently does
- Added ability to drag a dissolve up off removing it like when right clicking and selecting "Remove"
- Added new Italians wording file to the installer (Courtesy of Carmelo Bataggia)
- Added ability to scroll the sequence timeline without changing the current timeline marker position
- Added ability to adjust RED R3D RAW metadata parameters (.rmd)
 - Added individual clip R3D decode settings panel next to the Metadata panel in Log view
 - Added project wide R3D Decode settings to the Video tab of the project card
- Added 16-bit GPU precision replacing 10-bit
- Added ability to acknowledge project wide LUT setting on export
- Added ability to set a Ranged Cue Marker (Start and End point)
- Added ability to restore deleted clips from Milestones (which restores the entire clip with media link)
- Added preliminary support for Blackmagic RAW files
 - On Windows: Open a command prompt with admin rights and do regsvr32 "C:\Program Files\Blackmagic Design\DaVinci Resolve\BlackmagicRawAPI.dll"
 - On Mac: Show the Resolve.app package contents and copy the BlackmagicRawAPI.framework to /Library/Frameworks
- Added new config.dat parameters:
 - "unique_suffixes 0" Inhibits numeric suffixes on Syncs/Subclips
 - "auto_record_status 0" Inhibits automatic 'Record' status for double-clicked sequence tiles
 - "stripv_insert_dropped_tiles 1" for changing Replace to Insert, when dragging tiles from a bin to a sequence
 - "highlight_filecard_name 1" which restores the old behaviour of highlighting the Name when opening
 - "double_click_for_fullscreen 0" Inhibits enabling Fullscreen-preview when double clicking the viewer

- Added new pixel-shader variables
 - float _OutputFPS; // eg. 24.0, 25.0, 29.97, etc
 - float _Length; // Length of the effect in secs
 - float _LengthFrames // Length of the effect in frames
- Added support for media structures:
 - Added support for XDCAM HD folder structure
 - Added support for AVCHD folder structure
 - Added support for GFCAM folder structure
 - Added support for JVC folder structure
 - Added support for IkegamiFieldPak
 - Added support for GOPRO/FlipVideo/Canon folder structures
 - Added support for chunked Canon XF clips
- Enhanced the timeline "Appearance" option and changed the name to "Settings"
 - Added new "Behaviour" tab the timeline "Settings" panel
 - Added ability to Enable/Disable 'Safe' trimming (disabling safe trimming allows cuts to be extended beyond its boundaries)
 - Added ability to set timeline 'segment_drag_size'(previously a config.dat entry)
- Enhanced the Media tab of the Project Card
 - Added ability to set Proxy creation settings
 - Added ability to set Transcode settings (Now removed from the Import cogs menu)
- Added support for creating proxies from 60fps media
- Added 'Reveal > Media files' on timeline segments
- Added right click "Render" option for clips in the sequence timeline in both layouts. Render button has been removed from the timeline in Flexible layout
- Added new trimming functionality to prevent a trim being extended beyond the media available at the head or tail
- Added support for Quicktime MOV files with Alpha Channels

- Added an "Alignment" option on the BITC panel to prevent text appear in the wrong area
- Added ability for title effect text to appear as a comment in EDL's (32 character limit)
- Added ability to export a bin of contents to XML and JSON
- Added ability to trim on the VFX tab
- Added ability to copy multiple sequences in one go from a bin
- Added improved selection between bins in List and Tiles view
- Added improvements to the ELS messaging system
- Added keyboard shortcut command for "Step midnight sequence number"
- Added keyboard shortcut command for creating Sync(s)
- Added keyboard shortcut commands for 'clipboard insert/replace & next'
- Added keyboard shortcut function for making a new Content Manager
- Added keyboard shortcut commands "Next cut" and "Previous cut" that ignores: Marks, Cues, etc
- Added keyboard shortcut function for toggling timeline zoom
- Added keyboard shortcut key "Cue Marker (no prompt)"
- Added warning prior to resetting Key assignments
- Added ability to allow users to register an account while still running the automatic Free license
- Added support for handling .MOD and .TOD files
- Added quality setting options for CineForm on the Export/Render/Transcode panel
- Added ability to create proxies for files shorter than a second using I-Frame codecs (Cineform, AVC-Intra)
- Added new feature to allow customisation of timeline mouse behaviour
- Added improvements for transcoded chunked XDCAM media
- Added support for AAC 32 float audio
- Added more available space next to the sequence name on the viewer, so that clip name is not truncated
- Added ability to make a batch of Syncs from ranged sequence Cue Markers
- Added ability to manage user export presets
- Added amount of space required for an Archive to the project backup panel

- Added BITC preferences to the "Preferences" folder moved from the project ED5
- Added ability to duplicate sequences and place them in a target bin (in one step) including a "new bin"
- Added ability to set H.264 proxy bit rate according to quality level setting
- Added the ability to right-click a clip and choose 'Make -> Sequence'
- Added the ability to make syncs from sequence segments
- Added ability to set the size of the thumbnails on the FX panel
- Added 8bit and 10bit options to DPX Image Sequence export
- Added ability to log black frames during export
- Added new ability to recreate missing linked media. "Media -> Repair"
- Added Apple ProRes XQ to decode formats
- Added deletion date to the milestones recovery panel (The displayed 'deletion date' will only be correct for items deleted from now on)
- Improved audio transitions written into XML exports
- Improved media-file definitions for audio-only files in XML exports
- Improved AAF error codes to give helpful messages
- Improved display of low resolution proxies for interlaced material
- Improved thumbnail rendering speeds for H.264 MP4/MOV files
- Improved Audio Network media check
- Improved the "Create folders for clips" option on the Image Sequence export

Fixes

- Fixed various issues surrounding media management
 - Media files are now moved correctly
 - Proxy files are now moved and not deleted
 - Index files are now moved
- Fixed potential crash clicking Undo multiple times after deleting all the keyframes on a Curves effect
 - Audio waveform files are no longer deleted when moving files

- Fixed AAF export potentially failing if the sequence contains a dissolve at the very start
- Fixed potential crash importing an AAF containing dissolves
- Fixed Blend effect not removing the Alpha channel on clips that contain one
- Fixed colour shift when playing back DPX sequences
- Fixed invalid hyperlinks in the export log when the filename contains an '=' character
- Fixed copy/paste on Clipboard timeline not always work as expected
- Fixed potential crash moving mouse over a tile
- Fixed incorrect display of 960x720 anamorphic MP4 media
- Fixed Effects nodes not always reconnecting correctly after removing a node
- Fixed P2 AVC-Intra 'CONTENTS' folder causing all other media files alongside it to be hidden
- Fixed 'Find clip to fill sequence' not working if the clip has 32 or more characters as the Reel ID
- Fixed deformed image and/or black frames on a clip after cancelling a transcode during file import
- Fixed The 'Make subclip' key assignment not working on Prints
- Fixed Lightworks.archive restores not restoring all the media links
- Fixed Clipboard .ed5 growing very large over time affecting project performance
- Fixed Unicode text copied from a Lightworks text-entry box not being correct when pasted
- Fixed potential crash clicking undo after adding and grouping video tracks
- Fixed Unicode BITC text not showing correctly
- Fixed crash making an audio only Kemroll from audio only files
- Fixed potential crash deleting a project with a corrupt .odb file
- Fixed Incorrect duration/speed for image-sequences in 25fps projects
- Fixed auto switching from Edit to VFX tab when dragging out an inline effect to it's own FX track (Fixed layout)
- Fixed crash after using 'Make source into sequence' (Flexible layout)
- Fixed creating a sequence of matches from the find matching clips panel from removing crossfades
- Fixed archives containing multiple copies of the same file
- Fixed floating Bins appearing in Fixed layout when dragging them outside the interface window

- Fixed drag and drop of a Stereoscopic clip to a sequence not creating a sequence with a V1/2
- Fixed create-link imports requiring forcible extraction not being revealed in the interface
- Fixed odd behaviour importing a folder of clips more than once
- Fixed AAF from AVID Media Composer not importing with the correct start timecode for V1 clips
- Fixed potential crash changing the "Fullscreen preview monitor" setting
- Fixed dropped frames on playback and audio drifting out of sync
- Fixed the 'Make subclip' command not working for syncs
- Fixed user interface not fitting correctly on 1366x768 monitors in Fixed layout
- Fixed Fullscreen display not displaying a video when first entering a project
- Fixed incorrect clip length in mixed rate projects, resulting in distorted audio and incorrect clip lengths and waveforms
- Fixed misleading error message when exporting an archive to a location that is no longer available
- Fixed black frames at the end of XDCAM MXF files
- Fixed timecode not being continuous on .MP3 audio imports
- Fixed Drag/drop of transition to head of sequence not always working
- Fixed Vectorscope YCrCb tab showing the incorrect information when giving focus to a tile in a bin
- Fixed the appearance of the out-point on the timeline for new sequences (with no defined length)
- Fixed appearance of image-matte thumbnails on the routing panel (for non-matching aspect-ratios)
- Fixed video routing panel not coming to the front when clicked on (Flexible Layout)
- Fixed incorrect colour on exported AVCHD files
- Fixed incorrect sequence created when popping a tile out of a sequence viewer
- Fixed alpha value resetting hue/saturation on colour effects
- Fixed inconsistent menu lists appearing through other panels
- Fixed Key assignments panel not updating correctly after adding a macro
- Fixed "Cue Marker' shortcut not working from inside a macro
- Fixed Offline audio-only clips not showing as 'Offline'
- Fixed Lightworks Pro features requiring a software restart after upgrading from Lightworks Free to Lightworks Pro

- Fixed align marks when more than one track is unjoined
- Fixed bin modification handling in shared projects
- Fixed timecode not appearing when inserting a clip into a new empty sequence (flexible layout)
- Fixed out-point calculation error when generating Fusion comp files from multi-segment timelines
- Fixed Clipboard Source keyboard shortcut key not working as expected
- Fixed AAF exports with embedded audio
- Fixed reading of PCM audio on AVI sample files
- Fixed issues dragging the record sequence to the source viewer
- Fixed incorrect image on Fullscreen output after closing and re opening after moving the timeline marker
- Fixed incorrect number of frames reported for still images on the list of sources on Assistant Applications
- Fixed the import panel opening larger than the screen (Flexible Layout)
- Fixed possible crash deleting the last cue in an edit / clip
- Fixed sequence cues in 24 fps project
- Fixed additional added V track breaking multicam syncing on sequences
- Fixed potential hang changing the video output format
- Fixed decoding of 16bit DPX files
- Fixed and tidied Play Quality settings (proxy usage)
- Fixed Search panel on the content manager jumping up the screen when switching between Logs and Bins tabs
- Fixed 'Clip References' panel LEDs showing as dimmed
- Fixed channel enumeration (crash) if calling verifyClipLength() for a clip that has levels tracks
- Fixed audio level adjustment using the mouse scroll wheel in the sequence timeline
- Fixed Audio Waveforms not matching the audio during playback (waveform files .lpls will need deleting)
- Fixed playback of clips containing an Alpha channel when the Blend Effect is applied
- Fixed Table-view bin selections not being cleared when clicking in the empty space below the last item (Flexible Layout)

- Fixed potential crash pressing ALT+1
- Fixed potential hang importing multiple files at the same time
- Fixed ALE import failing to match metadata with the actual media
- Fixed very slow analysis of MXF audio on the import panel
- Fixed hang restoring a Lightworks.archive when using a shared project space
- Fixed potential hang entering a classic shared project
- Fixed import/playback of 60fps media in a 24fps project
- Fixed issue where a new empty room is created automatically when re entering a project
- Fixed incorrect viewer timecode after changing output format (when showing 'Total duration')
- Fixed clip labels panels not updating when changing the video output format
- Fixed EDL generation options not being saved into an export preset
- Fixed user interface not updating after adjusting audio levels with the mouse wheel during playback
- Fixed sequence copies not being revealed correctly in the Content Manager
- Fixed timeline marker jumping to the end of a sequence after adding an audio crossfade when zoomed in
- Fixed inability to tab between different fields on the metadata panel
- Fixed background colour selection (HSV) on BITC panel not working
- Fixed BITC not being updated when adding/modifying a Cue Marker
- Fixed BITC text colour not matching between the settings panel and what is shown in the viewer
- Fixed Colour setting on BITC overlay not working in Flexible layout
- Fixed The BITC text on viewer not always showing the correct Cue Marker information
- Fixed Cue Marker timecodes showing as '???' for subclips
- Fixed subclip cues do not appearing when using 'show clip cues'
- Fixed 'Show clip cues' not working for clips without video
- Fixed incorrect duration of ranged markers when showing clip cues in a sequence
- Fixed The output from 'List sources' not being useful when using image-sequences
- Fixed inactive hyperlinks for rendered clips (on the Task log)

- Fixed 'Reveal > Media files' option missing in fixed layout
- Fixed text selection not being visible when renaming Bins/Groups
- Fixed inability to copy audio levels from one clip to another
- Fixed The 'unjoin assistance' indicators not updating when the ALT key is pressed (or released)
- Fixed labels panel not updating when switching between drop/non-drop timecode
- Fixed degraded image quality on exported files
- Fixed issue where an Alpha channel is not removed on playback
- Fixed inability to sort tile-view bins by Modification date
- Fixed the Select All button on the Local Files import panel not working
- Fixed sequence viewer window not updating after applying a letterbox
- Fixed crash when moving the Image Effect within a sequence with the video routing open
- Fixed Project name changing after opening the project card to the Details tab then switching to another tab and typing
- Fixed Fullscreen playback not allowing switching to another clip when moving the mouse to the top of the screen to open the current bin
- Fixed User key assignments for ALT 1/2/3 disappearing on application restart
- Fixed icons on tiles dragged out of table-view bins not appearing (until the tile is dropped and the mouse moves away and back again)
- Fixed crash switching bins when a tile contained in the bin is playing
- Fixed crash adding more than 16 Video tracks to a sequence
- Fixed BITC panel not updating when loading a new BITC layout
- Fixed inability to apply a BITC layout to a sequence that has never had BITC
- Fixed inability to switch between sequences in fullscreen playback
- Fixed potential crash encountering an invalid audio effect
- Fixed potential crash during rendering or exporting
- Fixed Mark All function not showing the correct "Out" mark
- Fixed Playback stopping completely when mixing audio using the mouse wheel
- Fixed potential crash after dragging from the source viewer to a bin (Fixed layout)

- Fixed sequence name on the viewer not updating when changing the name on the timeline section
- Fixed not all frames showing when stepping through varispeeded (slow) clips with high frame rate material
- Fixed inability to trim grouped audio when "Auto track sync" is disabled and audio is present on A1 but not on A2
- Fixed blue clip name at the top of a sequence viewer not updating if the current clip is renamed
- Fixed incorrect embedded AAF exports when the sample rate was set to something other than "Keep Original"
- Fixed analysis of areas trimmed beyond their boundaries and replace with black correctly in AAF generation
- Fixed the 'dragged-in' ramps on the left/right of audio segments not being exported in the AAF as crossfades from/to silence
- Fixed crash entering a project after upgrading from a Free license to a Pro license
- Fixed Start timecode no longer being read from Quicktime (.MOV) files
- Fixed inability to delete a single clip from a Bin
- Fixed sequence locking not working in shared projects
- Fixed inability to sort by clicking the column heading on import panel
- Fixed "Clip Cues" not showing up when the same section is used repeatedly in a sequence
- Fixed Invalid Sync (All) being created from a sequence containing an FX track
- Fixed Audio glitch during playback of AAC audio
- Fixed only the L channel playing instead of L/R when soloing a Mix bus
- Fixed Sequence viewer jumping to a new position after performing a trim
- Fixed Start timecode not being read and identified from some sample files (.MP4/.MOV)
- Fixed potential crash importing a folder containing an archive
- Fixed timecode calculator number buttons not working when in OVR mode
- Fixed Archives failing to restore correctly
- Fixed "Show Clip Cues" having the wrong position after a speed change
- Fixed redraw error after extending the last cut in a sequence
- Fixed appearance of RED 2K formats appearing duplicated in the export panel

- Fixed Labels panel appearing in front of torn off timecode labels
- Fixed corrupt led icon on the voice-over panel
- Fixed crash customising the table-view columns
- Fixed playback works as expected, but the playhead not moving after a trim
- Fixed 'Media date' showing incorrectly for items imported via Drag/Drop
- Fixed 4k outputs not being available on Decklink 4k
- Fixed Timeline marker not playing after trimming the first clip in a sequence using CTRL and drag
- Fixed potential crash on exiting the application
- Fixed incorrect waveforms for subclips with varispeed
- Fixed 'Close Gap' function not always working
- Fixed BITC tab switching not working when the sequence has an FX track
- Fixed XML FCP7 exports no longer importing into FCP7
- Fixed Subclips/Syncs created from cues not being highlighted/selected
- Fixed potential crash during export (various reports)
- Fixed clip Cue Marker being temporarily renamed and repainted in the sequence
- Fixed adjusting audio nodes using the mouse-wheel only working the first time
- Fixed all the items being selected when mousing over them after right clicking a sequence/clip in a user generated bin
- Fixed Drag/drop of multiple bin clips to a sequence viewer not working
- Fixed black appearing at the end of a sequence erroneously after clicking undo after a trim
- Fixed incorrect image on Blackmagic output when playing a ProRes tile
- Fixed crash on exit if material is being fetched over a VPN
- Fixed viewer flashing when changing output quality setting
- Fixed crash dragging a sequence tile to a sequence viewer and then pressing the Record button
- Fixed Disabling 'show levels' in the timeline options preventing 'post levels' waveform display from working
- Fixed deleting V1 causing sequence markers to be lost
- Fixed CTRL+right drag (for drag-in-black) causing timeline to move slightly

- Fixed drag-in black not working at the head of an FX track
- Fixed typing quickly on the numpad not working properly
- Fixed drag-in black at the head of a sequence not affecting all relevant tracks when 'auto track sync' is enabled
- Fixed incorrect audio waveforms for Subclips in sequences
- Fixed potential crash/hang during a render operation
- Fixed issues with embedded AAF exports being incorrect
- Fixed persistence setting the timeline segment drag size to 66%
- Fixed incorrect unjoin indicators for grouped tracks when 'auto track sync' is disabled
- Fixed potential crash importing an embedded AAF
- Fixed duplicated picture segments exporting to .MP4 file
- Fixed 'Add to' from a content manager filter (to a target project) not working
- Fixed 8-bit image processing being used when adding more effects
- Fixed proxy settings on the panel not showing the actual settings
- Fixed Bins highlighting incorrectly in the content manager when dragging a bin out of a group
- Fixed pop out original shortcut cut not working on an audio only clip containing just an A1 track
- Fixed The 'background task completed' message appearing after aborting a task
- Fixed pop out original function not showing the correctly marked region after deleting a Cue Marker
- Fixed timeline not redrawing correctly after increasing the speed of a segment
- Fixed "overlapping clips" error message due to incorrect FCP7 XML exports to FCP7
- Fixed Embedded/Separate files option not being respected for MXF exports
- Fixed Audio Effects panel not opening when clicking the Effects button on the sequence timeline IF the video track above contains an effect and the track is deselected out
- Fixed imports of AVID DNxHD exports from Resolve
- Fixed potential crashing using Fit-to-fill
- Fixed crash importing Yi 4k+ sample file
- Fixed potential crash attempting to export to an unsupported DV format
- Fixed torn off timecodes not working on an open labels panel (Flexible layout)

- Fixed potential crash opening a project in Flexible layout
- Fixed Twin playing function (ALT 2 and ALT 1) not working
- Fixed Fit-to-fill inserting audio at the incorrect speed
- Fixed slow import of a folder containing H.264 MP4 files when using Create Link
- Fixed crash using twin-play with a clip from the Recent->Current filter
- Fixed hundreds of files being copied locally instead of the selected few with image-sequences
- Fixed crash and fatal memory corruption rendering to "2k 1:85:1 24fps, MOV, DVCPRO100"
- Fixed dragging/dropping a timeline segment onto the sequence viewer not subsequently removing the dropped item
- Fixed crash and fatal memory corruption rendering to 2k 1:85:1 24fps, MOV, DVCPRO100
- Fixed filecard not updating correctly when dragging a sequence tile into a sequence viewer
- Fixed crash attempting to show video routing when an Audio Network thumbnail is highlighted
- Fixed Cue Markers being removed unexpectedly
- Fixed "Make sync" function not working (with exactly two clips)
- Fixed Adding an effect to a clip then rendering proxies having undesired results
- Fixed onscreen console not working the first time you create a project (Flexible layout)
- Fixed panel shadows becoming detached (Flexible layout)
- Fixed potential crash entering a project in Fixed layout that had multicam bins
- Fixed issue where material cookies with lowercase letters in the name would cause 'media offline'
- Fixed audio levels jumping to a new position after boosting the level
- Fixed Subclips created from Syncs being incorrect
- Fixed saving Cue Markers to a specific location causing the "OK" button to grey out
- Fixed incorrect image on DPX exports
- Fixed potential failure during AAF export
- Fixed Cue Marker dialog box changing wrong cue marker name
- Fixed multicam sequence creation panel breaking when source clips have long names
- Fixed the selective colour-correction panel not being tall enough

- Fixed missing Effect duplication menu option
- Fixed inability to use the mouse for live cutting
- Fixed potential crash undoing a track deletion
- Fixed blank hardware output test panel
- Fixed ability to paste timecodes
- Fixed timecode on cue marker panel appearing as '???' on syncs
- Fixed Filecard corruption when navigating the timeline
- Fixed Subclips made from Syncs not showing any metadata in a List view bin
- Fixed sequence timeline jumping to a new position when lassoing audio nodes (Flexible layout)
- Fixed audio waveforms on subclips made from syncs not appearing on the sequence timeline
- Fixed crash changing BITC Cue name
- Fixed crash after clicking on 'Sequence' tab on the BITC panel
- Fixed hang during proxy creation when deleting a proxy file while other proxies are being generated
- Fixed potential crash deleting the last item in a project
- Fixed multi track audio restoring from an archive and appearing offline
- Fixed proxy creation failing without an error message when there is not enough hard drive space available
- Fixed "Make Proxy" option being greyed out on the Media panel
- Fixed issue with audio media being offline after importing as Transcode
- Fixed Image sequence exports (except DPX) producing invalid images
- Fixed incorrect name suffix for syncs generated from a bin
- Fixed complications surrounding deleting rooms with the same name
- Fixed 'Cycle Inputs' having no visible effect if the viewer is in static update mode
- Fixed inability to move the fullscreen preview to the non-primary monitor
- Fixed hang opening the Room list if invalid files are encountered
- Fixed segments in the sequence timeline suddenly disappearing
- Fixed removal of an effect leaving a solid black segment on the timeline

- Fixed "Cycle effects input" shortcut not working on the video routing panel
- Fixed incorrect speed change via 'Resize' with grouped tracks
- Fixed crash ungrouping a group within a group which has been torn off to the desktop
- Fixed incorrect size calculations on archive/backup panel
- Fixed unjoin mouse cursors not appearing
- Fixed small clip segments on the timeline that cannot be unjoined when set to 'Default' drag region size
- Fixed "Take" missing from the list of available segments texts on the timeline
- Fixed 8bit DPX exports showing on the import panel with the incorrect colour until the image is clicked on
- Fixed inability to export from a sequence containing a speed changed image sequence which was created in an earlier version that allowed the sequence to extend beyond the end of the clip
- Fixed Bins/Groups not opening in the content manager when receiving logs from another project
- Fixed audio trimming being unacceptably slow
- Fixed FX Settings panel not updating correctly when dragging a sequence tile into an open sequence viewer
- Fixed User Interface corruption resizing panels in Fixed layout
- Fixed Media locations scanning twice causing clips to show as having a proxy when they do not
- Fixed Kemrolls not working correctly with separate video/audio
- Fixed reading of Resolve V210 AVI files
- Fixed offline activation producing an invalid e2c file
- Fixed timeline marker jumping to a new position after fixing track sync
- Fixed Syncs made from audio only sequences not showing the correct timecode in a List view bin
- Fixed incorrect audio playback of multi channel .MP4 files
- Fixed content manager opening to the correct filter after performing a search
- Fixed Images are not coalesced into a sequence when imported via drag/drop inside a folder
- Fixed potential crash clicking the red timeline sync button
- Fixed potential crash playing back Audio Network media when synced with the record sequence
- Fixed Relink/Repair media option for the sequence

- Fixed Speed change via 'resize' is incorrect with grouped tracks (Flexible layout)
- Fixed Trimview not enabling when unjoining audio clip with track sync enabled
- Fixed XML exports when encountering invalid transitions during export
- Fixed XML import not generating a valid sequence
- Fixed inability to select individual audio nodes using CTRL click
- Fixed nodes disappearing on the Video Routing panel
- Fixed Keyframe graphs not correct after sliding the visible window
- Fixed incorrect length on Blender AVI exports
- Fixed potential incorrect image on Trimview
- Fixed .MP4 sample file importing with no audio
- Fixed potential incorrect varispeed display following a rejoin
- Fixed missing audio node options from the timeline context menu
- Fixed material replaced with black showing green during export
- Fixed naming on newly created empty Groups not working correctly
- Fixed incorrect Shark hint referring to transcoding
- Fixed popped out tiles from a non-record sequence not being visible at the top of the bin
- Fixed incorrect preview image on the Routing panel on the Image Key Effect
- Fixed performance problems when zooming with show waveforms enabled
- Fixed incorrect corner-gradient effect when not connected to a track/clip
- Fixed potential crash creating projects with invalid machine number
- Fixed source viewer with marked section losing content
- Fixed crash after importing a clip with a date earlier than Jan 1970
- Fixed crash when media file paths are longer than 100 characters
- Fixed freezes during playback from footage created with EyeFrame converter
- Fixed various issues with XML import
- Fixed GOP length not being set to the recommended value for YouTube uploads

- Fixed YouTube upload functionality
- Fixed Audio/Video resync option not appearing when unjoining a cut
- Fixed timeline marker jumping to the wrong place in the sequence when starting to trim with multiple audio tracks
- Fixed decoding of 32bit RED R3D audio
- Fixed MPEG1 layer2 audio in .MPG files not importing
- Fixed media location names not appearing on the search tool
- Fixed out of sync audio on Panasonic LUMIX DMC-FT1 .MOV files
- Fixed potential crash loading an Audio Mixer configuration
- Fixed clip duplication when dragging and dropping a folder containing clips in subfolders
- Fixed crash clicking the pop out original icon on a viewer containing a subclip
- Fixed potential click on audio playback when pressing Play/Stop
- Fixed compression quality on YouTube/Vimeo/H.264/MP4 exports
- Fixed DVD PAL exports in a 24fps project failing with "Unsupported format"
- Fixed poor audio quality on YouTube/Vimeo/H.264 exports
- Fixed MPEG-1 Layer2 audio in .MPG files not importing
- Fixed proxy setting not being used correctly in newly created projects
- Fixed crash moving Mackie fader when there are unjoined tracks
- Fixed crash moving a Mackie fader after mixing and closing a sequence
- Fixed crash after chord-clicking a bin into a closed torn off rack
- Fixed overlapping minimise/close buttons on torn off racks
- Fixed scrollbar disappearing on torn off racks after minimising/restoring
- Fixed Bins not being removed from torn off racks when deleted via the content manager
- Fixed "Replace with" function on effects dissolves
- Fixed viewers showing black when importing an XML with no media
- Fixed potential crash importing an AAF/XML
- Fixed poor audio quality on YouTube/Vimeo/H.264 exports

- Fixed progress notification when uploading to YouTube/Vimeo
- Fixed no audio on .MP4 files with audio sample rate under 44.1 kHz
- Fixed saved BITC layouts not being restored on other sequences correctly
- Fixed marks not being preserved when double-clicking tiles into existing viewers (when 'link bin tiles to viewers' is disabled)
- Fixed potential crash moving the mouse over a tile as it begins to play
- Fixed trimming being enabled on a source sequence when a record sequence is already open
- Fixed audio delay setting on the Audio tab of the project card preventing audio from being heard
- Fixed playback of .MP4 audio streams consisting of multiple stereo pairs
- Fixed pasting of text into the Group name in the content manager which can get lost if the mouse is moved beyond the bounds of the Bins section
- Fixed crash clicking the Filecard icon on a sequence viewer after emptying the viewer by clicking the "Pop out tile" icon (Flexible layout)
- Fixed Timeline Actions settings disabling context menu over cut point when resetting to default
- Fixed playback continuing after shuttling with the jog wheel on the Shuttle Pro
- Fixed Image key effect changing unexpectedly from Alpha 0 to Alpha 1
- Fixed incorrect display of a torn off Group
- Fixed audio location option on the export panel becoming active when switching through output formats
- Fixed playback of XDCAM/AVCintra MXF media
- Fixed potential crash loading an audio mix which was saved from a system with more hardware outputs than the current one
- Fixed no audio being present on exported files when using Mix 1, 2 or 3 on the audio mixer
- Fixed incorrect audio waveforms on reversed segments
- Fixed issue where fixing track sync on a sequence would fail
- Fixed inability to copy an Effect from a source sequence to a record sequence
- Fixed the speed setting for a grouped audio track only affecting the first track
- Fixed undo/redo not showing the correct info on the sequence timeline after audio mixer changes
- Fixed sluggish updates when moving the mouse over the timeline during playback

- Fixed crash clicking the "Pop out tile" button on missing media
- Fixed still image imports being the wrong duration if the setting is changed
- Fixed audio distortion when EQ high shelf filter is applied to audio only clips that require sample rate conversion (e.g. 44100 material)
- Fixed inability to add more than two items to the Audio Network cart
- Fixed table view bins showing the incorrect name for sequences generated by 'find > clips to fill sequence'
- Fixed Audio mixer settings not being applied/altered correctly
- Fixed dissolves being inadvertently added in the wrong place if the track is deselected
- Fixed constraints are not being applied to params e.g. (bit rate settings) for exports
- Fixed unhelpful track sync loss warnings
- Fixed audio crackles, pops and distortion when scrubbing
- Fixed incorrect behaviour using Twin-play whilst trimming
- Fixed incorrect behaviour when copying audio levels from one track to another
- Fixed the 'Align' option sometimes not appearing from the timeline menu
- Fixed sequence back up not being created before performing 'align > video with audio'
- Fixed the application minimise button to work only on mouse 'up' and not mouse 'down'
- Fixed viewer timecode bar showing inconsistent length after inserting a clip then clicking Undo
- Fixed crash highlighting a text entry within the colour settings within the BITC panel and then clicking away
- Fixed timeline marker sticking to the end of a sequence after shift dragging the timeline marker beyond the edge of the timeline
- Fixed Audio Mixer panel not updating when loading a configuration
- Fixed Capacity/Space being reported inaccurately for drives larger than one terabyte
- Fixed default console key assignment when using the config.dat entry
- Fixed Mackie Mixer not refreshing when loading a saved audio mixer configuration
- Fixed BITC saved layouts not being restored correctly
- Fixed potential crash dragging a tile from an open bin to another instance of the same open bin
- Fixed 'Show frame reuse' feature enabling itself automatically when aligning video and audio

- Fixed Solo and Mute settings on the audio mixer panel not being restored from a saved audio configuration
- Fixed crash using 'Clipboard Insert' shortcut key during playback
- Fixed crash after moving a tile within its current bin (fixed mode)
- Fixed tiles disappearing from both bins when dragging from a tiles-view bin to a list-view bin
- Fixed failure when copying logs from one project to another
- Fixed export of transitions in XML exports
- Fixed export of transitions between two varispeeded clips in XML exports
- Fixed export of 0% varispeed clips in XML exports
- Fixed tiles temporarily disappearing from bins following a resize
- Fixed trimview showing the incorrect images after trimming with keyboard shortcuts J or L
- Fixed inability to delete a sequence in Fixed layout if it was created using the "Make->Sequence from selection" option
- Fixed incorrect clip information in XML exports causing failures to import in other NLEs
- Fixed trimview image flashing grey after trimming with the J or L shortcut keys
- Fixed Alt+V not working as expected when the source clip is a still image
- Fixed inability to group video tracks if there are already audio track groups (and vice versa)
- Fixed potential auto scaling issue with the Image-key effect being incorrect
- Fixed audio not being playable on MXF Op1A sample
- Disabled "In-camera film speed" setting on the Film tab of the project card
- Removed YUYV compression option from MOV exports
- Removed MXF option on the transcode panel
- Removed YUYV compression option from MOV exports
- Removed MXF option on the transcode panel
- Removed 10bit 'bit depth' option on the H.264/MP4 export option
- Removed the term "Rack" from the apply audio mix panel when working with torn off Groups
- Removed Cineform 480p settings on proxy creation as it is not supported by Cineform
- Resurrected the "Fix sync" functionality (now 'Align > Video and audio')

- Resurrected the Render functionality in the (Fixed layout)
- Resurrected the timeline sync function in Fixed layout
- Reverted change to EQ filter and replaced behaviour to a config entry: 'ShowSRCSetting'
- Restored Uncompressed options for MOV/AVI options on the Render and Transcode panels
- Prevented BITC labels being deselected when clicking below the last label
- Prevented ability to reverse a timeline segment without record status
- Prevented local media from being included in an archive/backup when including only linked media
- Avoid switching to the VFX tab after replacing a transition in fixed layout
- Increased the limit of undo/redo's in a project to a default of 20
- Audio Effects can now be added to the Favourites list (Flexible layout)
- Adding video tracks now respects stereoscopic sequences
- Leading/trailing blank lines are now saved/restored correctly in Title effects
- Now respect the 'PGUP' keyboard shortcut in fixed layout mode
- The list of available Fonts is not sorted correctly
- The timeline's visible region is now saved/restored when doing undo/redo
- Transition style effects now always use proportional resizing
- BITC layouts can no longer be saved with duplicate names
- Video Tools and Audio Mixer panel can now be set as top most
- DecoupleEditBackups config entry is now disabled
- Now report timecode for missing material when rendering
- Failed in-application registrations now report a sensible error message
- Inhibited ability to be able to alter a sync on it's own timeline
- The 'Add' button on the cue panel now adds a ranged cue if a mark/park is present
- Pressing ENTER after typing text in the Cue panel pop out now hides the Cue panel
- Torn-off timecode labels now respect the editability of the item that you try to apply them to
- Now generate better clip names for image-sequences with entirely numeric filenames

- Now grey out Delete Project option if the project is occupied
- Shift+clicking the content manager icon now creates a new content manager
- The commands 'bin : next tile' and 'bin : previous tile' now do something useful when the current bin does not contain the source clip
- Auto-highlighting filecard clip/sequence name has now been removed
- Jumping to next/previous events (a/s) now stop at the out-points of ranged cues
- Disabled AVID DNxHR formats for MXF exports
- Notes field on the metadata panel now saves after pressing Enter
- Audio mixer is now readily revealed when hidden behind other windows (Flexible layout)
- Room list now opens after restoring an archive to be able to select the room the archive was created in
- Changed 'Copy to' option on a Bin menu is now 'Add to'
- Made a clearer visual representation of a bin item selection and a text edit selection
- Dragging a sequence tile to the sequence record viewer now performs a swap rather than a Replace/Insert
- Export tasks now run sequentially rather than up to two in parallel
- Deselected audio tracks are now remembered when exiting the application and restarting in Fixed layout
- Undo/Redo icons are now restored to the Audio layout
- Mark All function now ignores empty segments at the current position
- Items which are not eligible for Transcode on import are now implicitly imported via 'Copy local' instead
- User export presets are now sorted alphabetically
- Recognize more compression formats(divx, xvid, mvc)
- Better handling of partially fulfilled metadata requests
- Holding SHIFT then dragging a selection box now adds additional selected items to the selection
- Holding CTRL/CMD then dragging over a selected group of files now removes the box selection
- Pop out original function now gives the tile source focus
- Removed the "(PRO)" text on the "Create a Macro" function in the Key Assignments panel
- Bins now correctly scroll to show the newly imported/created item

- Lightworks.archives now import as a background task from the project browser
- Avoided creating shared media paths with double slashes in them
- Ensured that it's possible to transfer sequence ownership from one user to another (using classic project sharing)
- Don't allow sequence metadata to be changed when locked by another user
- Don't try to enter an occupied room when double-clicking a project
- Make sure that repeated nudging does not cause current - time to be incorrect
- Use smallest size when duplicating image - should be the same
- Swap function now works as expected if you have an 'Out' mark
- Make sure that it's possible to click cues which are coincident with the current-time

Windows Fixes and Features

- Added 16 bit and 32 bit Float GPU precision
- Added support for older versions of MTX Matrox drivers (6.1 and 7.0)
- Added support for the last Matrox MXO2 drivers 8.0.0.15342
- Fixed crash changing the Genlock option on the Record panel with Matrox hardware
- Fixed SDI Recording failing with Matrox hardware
- Fixed crash analysing .MOV sample file on the import panel
- Fixed Shared projects broadcast messages not working correctly
- Fixed crash on exit with After Effects plugins (Windows 32 bit)
- Fixed output tests only being available for AJA
- Fixed update of transcoded material for shared projects
- Fixed odd cue list behaviour in shared projects when selecting a cue from the list
- Fixed issues surrounding Windows Controlled folder Access
- Fixed audio fader on Mackie failing to respond when mixing audio levels
- Disabled debug information in the Status Window when using AJA hardware
- Now handle proxy files being created in shared projects

- Now grey out Delete Project option if the project is occupied when using shared projects

Linux Fixes and Features

- Added support for Fusion 9
- Added 16 bit Float GPU precision
- Added voice over functionality
- Added Mackie MIDI support
- Added some support for Lightworks to run under Weyland
- Added ability to specify PortAudio devices by name in GlobalSettings.txt ie, [PortAudio] OutputDeviceName=pulse
- Added configurable latency for portaudio device: "Latency=<low/high>" in [PortAudio] section of GlobalSettings.txt
- Included libcurl to installers for more distro support
- Fixed issue where changing folders on import/export locations could cause a crash
- Fixed audio glitches during playback of Audio Network media
- Fixed crash exporting to DPX image sequence
- Fixed crash right clicking the sequences filter
- Fixed incorrect function when applying a Greyscale over a dissolve to black
- Fixed selective colour correction not working correctly
- Fixed 100% Memory usage during YouTube exports
- Fixed switching between different clips in a bin when in Fullscreen
- Fixed audio glitches on playback of audio WAV files
- Fixed Ubuntu libcurl3/4 dependency problems causing failure on startup
- Fixed playback of WAV material (clicking/echoing)
- Now build PortAudio ourselves giving more compatibility to other Linux Distros

Mac OS Fixes and Features

- Added 16 bit GPU precision
- Added 16 bit Float GPU precision

- Added support for Fusion 9
- Fixed incorrect image on 4k DPX media
- Fixed potential crash importing a folder of files
- Fixed Mackie mixer taking a very long time to initialise on startup
- Fixed AJA I/O output not working correctly
- Fixed crash exporting to DPX image sequence
- Fixed unwanted system beep sound when pressing certain keys
- Fixed missing icons on the Status Window
- Fixed potential crash exporting a bin containing sequences
- Fixed potential crash exporting a Bin containing multiple sequences
- Fixed potential failure starting Lightworks
- Fixed Enter key on Numpad no longer being recognised
- Fixed audio glitches during playback of Audio Network media
- Fixed crash reading config.dat with inconsistent line endings
- Fixed output tests only being available for AJA
- Fixed incorrect function when applying a Greyscale over a dissolve to black
- Fixed potential crash exporting to embedded AAF
- Fixed Media locations all showing the same amount of space remaining
- Fixed ProRes MOV exports completing but no file appearing in the target directory
- Fixed user interface not responding correctly when exporting an AAF from a very large sequence
- Fixed fullscreen display showing incorrectly
- Fixed switching between different clips in a bin when in Fullscreen
- Fixed CAPS LOCK function being ignored when writing in text fields
- Fixed incorrect images on trimview when dragging a cut point with the mouse cursor
- Fixed potential hang Transcoding/Rendering/Exporting to MOV
- Fixed audio glitches during playback of WAV media
- Fixed media locations on XML imports and exports

- Fixed application position not being remembered when exiting and starting the application
- Fixed crash using CMD z (undo) after selecting multiple lines of text in the Notes section of the Filecard and using CMD x
- Fixed Full screen display failing to appearing on the external monitor
- Fixed incorrect Apple ProRes MOV exports showing black/red frames
- Fixed playback of WAV material (clicking/echoing)
- Disabled debug information in the Status Window when using AJA hardware
- Re-implemented the Mac OS layer without QT
- Removed PPM file type from the Image Sequence export list
- Removed BMP image sequence Import/Export

Limitations and Known Problems in Version 14.5

"Cross Platform"

"Windows 64-bit"

"Windows 32-bit"

"Linux 64-bit"

"Mac OS 10.9 and Higher"

"Matrox Hardware I/O"

"Blackmagic Hardware I/O"

"AJA Hardware I/O"

Cross Platform

- Proxy files will not be created for files shorter than one second in length when set to H.264
- Audio may play incorrectly when copying logs from a 25fps project to a 24fps project
- Potential crash if attempting to export an image sequence from a sequence containing 16-bit DPX files
- Media can appear offline after removing a media space with the import panel open
- There is no ability to stream/play MP3 files on the import panel

- Render option is not available in Fixed layout mode
- Some MTS files will show pixelation on the start frames.
- There is currently no way of searching for Groups
- Duplicate log entries on the export panel when an edit viewer and timeline are open
- The screen capture function is not currently working
- CDDA ripping is no longer available
- Potential crash importing QTRef files
- Video analysis tool appears through the FX configuration panel when configuring a colour correction effect
- Audio monitor delay setting will not be accounted for during export
- AVID DNxHD 10bit encode is not possible
- There is no Firewire support
- There is no support for importing .WMV files
- Make sure any other applications are closed before attempting to install Lightworks
- .VOB files appear as "Sound" only on the import panel, but yet import with picture. Performance will be slow
- Image quality on playback may be poor when project card set to NTSC Fields
- You will not be able to transcode 1080p 60fps files on import to AVID DNxHD
- Blu-ray VC1 export does not generate a valid file. It imports back as Sound only
- Audio on exported AVCHD files cannot be played by Windows Media Player it is just mute
- The Record panel format must match the output format for successful recording to take place

Windows 64-bit

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

Windows 32-bit

- If the Matrox VFW codecs are installed on a Windows 8/8.1 system then you will not be able to open the export panel. These codecs may also prevent Lightworks from starting. You should uninstall the VFW codecs for the time being.
- Image on viewers and SDI output may look very poor on old ATI graphics card when set to 10-bit precision.

Linux 64-bit

- Debian Distros:
 - Ubuntu/Lubuntu/Xubuntu 16.10 and higher
 - Mint 17 and higher
- RPM Distros:
 - Fedora 24 and higher
- There is no Firewire support
- There is no Quicktime Movie/MPEG4 export option
- There is no .WMV import
- ATI and Nvidia cards are supported. EditShare recommends Nvidia for the best performance
- Fraps AVIs will not import
- There is no FX plugin support
- No audio imported from OMFs (that do have embedded audio)
- Audio may not be present on some Uncompressed AVIs
- 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. Please make sure the Nvidia driver is loaded and the system is restarted

Mac OS 10.9 and Higher

- Any users running Macbook Pro systems MUST disable 'Automatic graphics switching' under 'Energy Saver' in 'System Preferences'
- Lightworks will only run on 10.9 (Mavericks) and above
- There is no H.264 MOV export

- There is no QuickTime/MPEG4 export option
- There is no .WMV import
- There is no Apple ProRes 4444 export option
- There is no support for Matrox I/O hardware
- The shared project feature is not currently working
- Video overlay may change brightness on playback when running dual monitor setups
- Full screen preview is scaled incorrectly for the secondary monitor (when the primary monitor is retina display). This is a QuickTime issue.

Matrox Hardware I/O

- If your system is not fast enough or does not have enough 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

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

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

Troubleshooting

If you experience an issue with your Lightworks installation, or something is not working as expected, visit our FAQ page at <http://www.lwks.com/faq> 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 <http://www.lwks.com/forum>.

Technical Support Contracts

For assistance beyond this document, and that provided in your Lightworks documentation, you can purchase a Technical Support Contract for Lightworks from our online shop at <http://www.lwks.com/shop>. Technical Support is by Telephone and Email. When you contact Technical Support, please have the exact version number of your Lightworks implementation ready as well as your support agreement number.