

Skylark SL NEO 2.9.x (end of support)

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Additional Information

- [Supported boards](#)
- [Skylark SL NEO Software Driver Compatibility Table](#)

Current version:

2.9.131 (2023-08-25)

- Fixed: selecting the displayed track of open captions.
- Added in neovid [REST interface](#): support for the "orig_in_point" field in the SETFIELD command.
- Improved: in Playout service, "Play Subtitle" command now accepts the IN_POINT parameter in hh:mm:ss.ss format.
- Fixed: capture from Youtube.

2.9.121 (2023-07-21)

- Added in the ["List Media" dialog](#) of MediaBrowser: Duration column generation option.
- Added: in settings for media database triggers, the option of pausing the trigger operation.
- Fixed: in the Playout module, the bug leading to desynchronized playback of subtitles by the "Play subtitle" command.
- Improved: when using HardStart in the recording module, if the IN point is not specified, the time of start value will be used as the IN point.
- Added: the possibility to record and play WAV files over 4 GB.
- Improved: in playlist editors and automation playlist windows of AirMgr, column order and sizes are now configured separately.
- Improved: in AirMgr, [user-defined playlist status](#) can now use the playlist item status as a condition.
- Added: the deinterlacing algorithm in FileMonitor, that allows displaying both fields simultaneously when playback is paused (required to detect the intraframe splicing defects upon editing).
- Fixed: in MediaBrowser, the bug leading to open files leakage when working with the Trash folder.

2.9.113 (2023-06-02)

- Fixed: in the Playout service, teletext output for IPTS encoding at video vertical resolutions under 480.

- Fixed: in the program channel, the situation with the last frame of the previous logo remaining on screen when selecting a file non-existing in the database.
- Added: in the media database, logging HTTP errors upon calling REST commands by triggers.
- Added: All CAPS text output mode in graphic compositions.
- Fixed: in the gvgnative switch management module, the offset by 1 in the router port numbering.
- Fixed: in transfermgr, freezing of rules functioning when working with FTP.
- Improved: in eazymuxer, displaying configuration conflicts when using PassThrough streams.
- Fixed: in the gvgnative switch management module, control of multiple layers on a single connection.
- Added: in [Program module](#), Force Strip Storage setting.
- Added: to airmgr, Goto Current [toolbar button](#) that jumps to the current time point in the playlist.
- Improved: Goto Current now uses SchedTime column for Auto items.

2.9.107(2023-05-19)

- Improved: in [MediaBrowser](#), Delete Shots now deletes all Shots (extra links) of the selected file, except the file itself.
- Improved: [REST Call](#) of media database triggers now allows making https requests, and specifying a user and password for basic authorization.
- Improved: the [trigger editor](#) of the media database allows trigger status reset for all files at once.
- Added: in MediaBrowser and TransferMgr, changing frame frequency of animated graphics.
- Improved: in MediaBrowser, [Render](#) on Graphics, Complex and Text clips now renders to a static file instead of copying the file itself.

2.9.106 (2023-05-16)

- Optimized: Transfer Manager for working with media databases with a large number of folders.
- Fixed: Transfer Manager working with some sources on FTP servers.
- Added: "On_Exists = Skip" mode to Transfer Manager. Files will be ignored, even if they already have assets on the receiver side.
- Added: in Media Browser, the Delete Shots right-click command that allows deleting all shot links to the asset.
- Improved: in the Program module, Force NO MEDIA Transparent is now applied not only to fully missing assets but also missing parts of assets.
- Improved: in NewsCut, SaveClip/OpenClip now saves IN/OUT points on TimeLine.
- Improved: in AirMgr/MaConnect, the low disk space alarm value is now set as a percentage of total capacity.
- Added: in AirMgr/MaConnect, setting the average bitrate on assets, to display available/total space in hours.
- Improved: in Cast/Rec lists and MediaBrowser, Ctrl+MouseClicked selection.
- Improved: in MediaBrowser, with configured ClientPath, dragging and dropping assets to Windows folders now works with Ctrl+Win pressed.
- Added in the Locations And Triggers tab of the MetadataSheet window:

- The list of folders with all shortcuts to the asset
- The list of all shots/links to the asset
- The list of assets referred to by a graphic composition, NewsCut clip or Text object.
All links allow navigating to the corresponding assets in MediaBrowser. Back/Forward buttons are added to navigate through the history.
- Added: in SMPTE-2110 module, logging of NMOS settings changes.
- Improved: in NewsCut, the previously selected folder in Save As Clip is remembered.

2.9.105 (2023-05-15)

- Improved: in the Program module, [rules of automatic generation of secondary events](#) now allow transfer of In/Out/Duration/LeadOut points from the main event. While the rules for generating secondary events, editing you can enable Use Parent Durations. Here, the generated secondary event will have In_point, Out_point, Duration and Lead_out of the main event.

2.9.96(2023-04-23)

- Updated: the [scheme for stopping graphics along with main events](#).
- Fixed: displaying subtitles at the border of clips in case of OUT point on the next frame after closing the caption.
- Added: [REST interface command that runs other commands](#) via Action Router
- Fixed: in the Program module, processing situations of transitions to daylight saving time and winter time when working and the system time zone.
- Fixed: in the Payout module, working in the [RTMP](#) mode.
- Fixed: in TransferMgr, some cases of repeated copying of files in the Partial Content mode.
- Added: in the [Router Bus module](#), the [command](#), that allows turning on/off control of the connected hardware device.
- Added: in Capture module in IPTS mode, decoder auto restart at repeated decoding errors.
- Added: REST request that allows retrieving the [Loudness module status](#).
- Fixed: the order of fields upon capturing SD NTSC on [Dektec](#) boards.
- Fixed: in [EazyMuxer](#), Aggregate Source relaunch error.
- Improved: when encoding MPEG2 in Strict GOP mode, group size is now more strictly enforced.
- Improved: in the program channel, [autogeneration of graphics parameters](#) is now applied to secondary events.

2.9.94(2023-04-18)

- Added: REST API command [get_loudness](#) that returns a text file with the current loudness parameters.

2.9.89 (2023-03-30)

- Fixed: possible crash of Program (rrplay) module when displaying subtitles in Open Captions.

2.9.88 (2023-03-28)

- Added: in the [Time Shift module](#), support of [CPU Clusters](#)
- Added: in the [Time Shift module](#), 1080p and UHD support.

2.9.87 (2023-03-27)

- Added: support for up to 8 audio channels upon encoding audio to AAC.
- Improved: TransferManager no longer cancels already started transfers by ReplaceMargin.
- Improved: TransferMgr work with some FTP servers.
- Improved: enabling Secondary As Graphics in the program channel provides operation of events created by auto-generating rules.
- Added: 1080p50 and 1080p60m video modes for XDCAM-HD422 codec.
- Fixed: [REST API neovid Set_Field](#) for User_0...User_7 fields.
- Fixed: in AirMgr, NoMedia check of graphic objects using MediaID parametrization.
- Fixed: applying Secondary As Graphics audio mixer parameters in the program channel.

2.9.79 (2023-03-01)

- Improved: during playback on Dektec boards, SDI embedded sound is marked as a set of stereo pairs, not mono channels.
- Fixed: when capturing SD NTSC on Dektec boards, 487 strings are no longer scaled to 480, extra strings are discarded.
- Improved: compatibility of recorded MXF-OP1A files while using S436M data.
- Updated: [Youtube capture](#) support.

2.9.72 (2023-02-18)

- Added: in Air Manager, support for uploading ADC100 (LST) playlists.
- Added: on the Status page of the Web console, information on the number of video monitoring connections via web sockets.
- Improved: the [REST interface for access to the media database](#) now allows using house_number to access the assets.
- Added: in the REST interface for access to the media database, the command to access certain XMP fields.
- Added: GTEQ and LTEQ trigger conditions for XMP data in the media database.

- Added: in AirMgr, the [Display Zero Duration](#) setting enabling displaying of zero durations in playlists.
- Added: in AirMgr, the [Drag enabled](#) setting, enabling DnD in playlists.
- Fixed: in Neovid, the leak of video preview connections via web sockets.
- Improved: on Dektec boards, the number of output audio channels is always a multiple of 4.
- Added: in ezcaster, [modify_item](#) API call.
- Fixed: in AirMgr, playback stops due to repeated pressing Next in the playlist toolbar.

2.9.64 (2023-01-29)

- Fixed: capture of [HLS](#) streams from some servers that block ffmpeg based clients.
- Fixed: freezing of [SRT](#) streams.
- Fixed: in [Eazymuxer](#), broadcasting system PIDs such as EPG.
- Improved: the dialog of creating key frames in the [web interface](#) now uses the position selected in FileMonitor.
- Added: a WebPage display in [AirMgr](#).
- Added: in [AirMgr](#), the [alternative editor](#) of playlist items, based on an external web page.
- Added: support for simultaneous use of channels for capture and playback on [Decklink SDI 4K and Decklink Extreme 4 K boards](#).
- Improved: in [media database](#) volumes, deleting empty folders in the file system now deletes the corresponding empty folders from the media database.
- Fixed: choosing CPU Cluster for local pools in [TransferMgr](#).
- Fixed: in the [Capture](#) module, capture of streams with no audio that require frame frequency conversion.
- Fixed: simultaneous work of multiple [Dektec DTA-2174B](#) boards in case, when some boards are configured in 4K - Quad SDI.
- Added: in media database triggers, the KP or XMP or Cert Changed rule.
- Improved: Run External Program trigger in the media database now calls external programs with a Unicode command line.

2.9.57 (2022-12-27)

- Added: in the Media Browser toolbar, the Got Folder button that allows you to quickly access the folder by knowing part of its name.

2.9.56 (2022-12-26)

- Improved: in Playout and Capture modules, when using RIST protocols in multicast mode, links use the network interface specified in the configuration.
- Added: 7x2 video aspect ratio support.
- Added in MediaBrowser: Goto Asset button in the toolbar, allowing for quick navigation to the asset by its MediaID or HouseNumber.
- Added in MediaBrowser: Goto main clip menu command, allowing to go from the shortcut to the

asset itself.

- Improved: now %USERPROFILE%\AppData\Local\Temp is used as a path to temporary files, i.e. in some cases %TEMP% points to a non-existing folder.

2.9.53 (2022-12-22)

- Improved: when displaying text in graphic compositions, symbols absent in the font are displayed as spaces instead of space fillers.
- Added: in modules for switcher control by sp-w-02 and sw-p-08 protocols, 48×48 and 96×96 switcher dimensions.
- Fixed: in AirMgr record list editor, sorting strings upon copy/paste operations.
- Added: in AirMgr user-defined rules for loading playlist formats, the option of using regular expressions.
- Improved: in Playout/Capture SMPTE-2110 modules, NMOS device identification is now implemented by identifiers that are not changed upon reloading the services.
- Improved: in Playout SMPTE-2110 modules for ConnectX-6 boards, you can specify using PTP input on the board.
- Improved: in Broadcast lists, the OverRun column color is changed in a way so that it's readable for NoMedia events.
- Improved: in the program channel, configuring ActiveFolder now allows setting a ZeroLen flag, so that media database values will be applied only for the rows with the event duration set to 0.
- Fixed: incorrect output of Fill+Key signal pairs on Dektec boards.
- Added: in the program channel, SNMP PlayStatus and NoMediaCount variables.
- Fixed: in Playout module, memory overflow does not happen anymore upon encoding video using NVENC in cases, when NVENC cannot be initialized, and the corresponding message is displayed in the log.
- Added: selecting Workbook for uploading Excel playlists to AirMgr.
- Fixed: in the LSM module, playback defects upon using AVC-Intra codecs.
- Fixed: in the LSM module, some cases of black frame blinking in the REC mode.
- Added: in the Recorder module, the ItemName parameter for Stop and SwitchNext commands. The operation is implemented only if the current task's ItemName is identical to the requested.
- Added: in the AppendItem command of the Recorder module, the parameter that allows setting ItemName for the created element.
- Fixed: displaying the last cycle of the middle and the closing parts in graphic compositions, when using AutoUnLoop for PIP elements.
- Added: in the GPI module, the driver that allows tracking the status of program channel layers, and generating pin changes when switching layer visibility.
- Improved: in the graphic editor, mouse wheel + Ctrl can now be used to scale the image.
- Added: in AirMgr, the File→Configure→Look&Feel→TablesLook→ColorHighlightedItemsText option. When the option is disabled, selected playlist and rec-list items will not use color for status visualization.

2.9.36 (2022-11-09)

- Improved: in graphic compositions, the number of motion smoothing trajectories between the user-defined key points, is increased to 5.

- Improved: the media database no longer scans duration of logged files for formats with predictable exact durations, provided QC is turned off.
- Fixed: loading some XLS files.
- Added: support for reading W64 wav and RIFF wav files over 2GB (but under 4GB).
- Updated: Rivermax version to 1.20.10 The corresponding driver version is MLNX_WinOF2-3_10_50000_All_x64.exe.

2.9.31 (2022-10-27)

- Added in the slow motion and instant replay module: cell indication of the loaded playlist.
- Improved: X-Keys panels can now have a device number. Thus, you can configure several services connecting to a single device.
- Fixed: bugs in the web-interface for playlist management.
- Added: support of some font parameters for displaying EBU-SUB/TTML open captions.
- Fixed: audio import from P2 cards.
- Added: support for loading OSC playlists.

2.9.27 (2022-10-17)

- Improved: now the Playout module provides up to four bonding connections for Zixi, SRT and RIST protocols.
- Improved: FTP access settings now allow switching on/off PASSIVE MODE.
- Fixed: decoding speed of some XAVC-I files.
- Fixed: decoding some MXF-Op1A with CBG index.
- Added in media database volumes: QC mode, where indexed files are checked for read and decode errors.
- Added in TransferMgr: QC mode, where copied videos are checked for decode errors of individual frames.
- Added: support for RIST protocol on reception and transmission.
- Added: XKeys KX12-Jog support.
- Fixed: BMPlayer hot keys operation.
- Added in the program channel: configuring pre-emptive read buffer size.
- Added in AirMgr: creating status monitors with the option to turn on/off processing of CUE-tone detection.
- Fixed: some cases of displaying fonts from TTML/EBU-TT files in open captions.
- Improved in the media database: Create Shortcut is now successful, if the shortcut has already existed, and no new one has been created.
- Added in the media database: Has Shortcut and Shortcuts Changed trigger conditions.
- Added in Profanity Delay: smooth control of the latency buffer duration. Latency duration can now be controlled promptly by the operator. With decreased buffer, you can cut out parts of the input stream without overlaying audio or video effects.

2.9.13 (2022-09-14)

- Improved: Multiviewer now accepts a comma-separated list of alarms to be activated and deactivated.
- Fixed: TS output buffering for Dektec boards in the ASI mode.
- Fixed: in AirMgr, incorrect displaying of playlists in some (rare) situations.
- Added: in the recording service, Pause and Unpause actions.
- Fixed: in AirMgr, SyncBar buttons indication in Windows 11.
- Fixed: in graphic compositions, the green bar appearing when scaling some PIP elements.
- Fixed: in AirMgr, displaying playlist timecodes when using Origin with In Point equal zero.
- Improved: in graphic compositions, the Empty/Non Empty status is now indicated upon composition initialisation.
- Added: in the program channel, the option allowing for displaying graphic layers over open captions.
- Fixed: in the program channel, buffering and pre-reading during playback of MXF, MP4 and MOV files.
- Fixed: NTSC 486i output on Dektec boards.
- Added: in the program channel, the option to disable playlist event generation by the name.
- Added: in MediaBrowser, the option of saving trigger configurations into files.
- Fixed: in FileMonitor, displaying subtitles from some STL files.
- Fixed: in the recording service, retrieving subtitles on junctions while recording the signal in chunks.

2.9.1 (2022-08-04)

- NDI version updated to 5.5.
- Fixed: timeline audio recording in NewsCut.
- Fixed: in Newscut/FileMonitor, audio distortion when playing in NTSC modes.
- Improved: in Multiviewer, Enable alarm and Disable alarm commands now accept the Wildcard mask as the window name.

2.9.0 (2022-08-02)

- All fixes and improvements of the 2.8.103 version.
- Improved: DVB subtitles are now handled like any other types of captions: they can be generated in the program channel, written to a file with video as data packets, captured and streamed right away, played from a previous recording. For DVB mode in Payout, you can set mapping of streams with DVB subtitles to output PIDs.
- Added: Link Bonding for Srt and Zixi protocols.
- Added: LowDelay mode for IPTS capture and output, allowing for reduced latency upon receiving/transmitting IPTS for use in TV conferences.
- Added: in program channel, the playlist option for working with timeline timecodes.
- Added: support of EBU-TT subtitles.
- Added: in AirMgr, the Record/Play Delay display option to specify a condition for selecting the playlist row with delay.

- Improved: web-interface performance for working with media databases with a large number of folders.
- Added: in the web-interface, the option to create playlists in offline editor workspaces without connection to automation.
- Added: recording XAVC Class 50/100/200/300/480 and LongGOP (MXF-OP1A).
- Added: playout of P2 AVC Ultra 50/100/200/300/480 and LongG (MXF-OP1B).
- Added: recording of P2 AVC Ultra 50/100/200/300/480 and LongG (MXF-OP1B).
- Added: in TransferMgr, processing SLG files.

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