

# Nuendo 3.1

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The following new features have been added in Nuendo 3.1

## Video

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- Audio Pull up / Pull Down
- Support for HDTV frame-rates
- Thumbnail Pre-Cache option

## Network Collaboration

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- Support for markers
- Online Merge functionality

## Mixing

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- Mixing and Monitoring of External Instruments in VST Mixer
- Copy/Paste channel settings for multiple selected channels in one go
- New Panner Mode: Equal Power
- Panner Bypass Function
- New Key Command Set for Mixer functions
- Command Target filters for Mixer functions
- Inspector sub-section for MIDI Tracks routed to a VST Insert Plug-in

## Files and Formats (Import and Export)

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- Exclude Media when exporting Tracks as Track Archive
- Select individual Tracks when importing a Track Archive

## Recording and playback

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- Smart controller reset after recording
- Recovery of audio recordings after system failure
- New precount options, sensitive to tempo and time signature changes
- Optional Sample-Rate Conversion when importing Tracks

## **Editing**

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- Freeze Function for External Instruments and FX
- Glue multiple parts with single mouse-click
- Glue all following parts on selected track
- New Crosshair-Cursor option
- Process Bars in Tempo Track
- Duplicate Track option
- Freeze MIDI Track Play Parameters
- Optimize Display when dissolving Parts
- Apply Legato to selected notes only
- Select equal Pitch > all Octaves/same Octave for all Positions
- Transpose for single or multiple Audio Events via Info Line

## **Project/General**

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- New “External Instruments” options in VST Connections
- External Instruments added to VST Instrument Rack
- Associated External Instruments Track Inspector added to MIDI Track Inspector
- Associated Audio Track Inspector added to MIDI track inspector routed to VST Insert Plug-in
- External FX/Instruments Favorites
- Advanced CPU-saving scrubbing mode
- New Appearance options: Brightness, Contrast and Saturation
- Sophisticated user-definable level meter coloring
- Automatic Track Coloring
- Incremental Auto-Save
- Track Folding: Toggle Selected Track
- Track Folding: Fold/Unfold Tracks
- Track Folding: Flip Fold States
- Resize Tracks without selecting
- OSX Performance Optimization: integrated support for MacOSX Quartz 2D graphics system
- Additional Processor Optimization: support for DualCore and Multi-Processor PC systems (systems with more than two processors)
- Safe Recovery of corrupt projects after system failure

### **MIDI & Music**

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- MIDI Output Delay Compensation for External Instruments
- Associate MIDI Device to External FX
- Associate MIDI Device to External Instruments
- Option to convert MIDI Controller Lane volume data to Track Automation volume data

### **Studio Connections**

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- Studio Connections Audio Integration

### **Remote**

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- Access Mixer Device Panels (user Panels) from Hardware Remote Controllers

### **Various**

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- Preferences: Redesigned Appearance settings panel
- New preference: Use Up/Down Navigation Commands for selecting Tracks only
- New Preference: Default Track Time Type (Audio and MIDI)
- New Preference: Auto Track Color Mode
- New Preference: Sync Project and Mixer Selection
- New Preference: Deep Track Folding
- New Preference: Enlarge Selected Track
- New Preference: Select Channel/Track on Solo
- New Preference: Select Channel/Track on Edit Setting
- New Preference: Maximum Backup Files
- New Preference: Insert Reset Events after Record
- New Preference: Chase Events – Chase not limited to Part Boundaries
- New Preference: Option to export warnings as text file
- New Preference: Warn on Processing Overloads
- New Preference: global Tail value for External Instruments and FX
- New Preference: Map Input Bus Metering to Audio Track (in Direct Monitoring)
- Single Key command to open and close Pool Window
- New Key Command to open Device for selected Track
- Appearance: User-definable intensity for active drum lane

- New Key Command to toggle status of "Select Channel/Track on Edit Settings"

#### **The following new features have been added in Nuendo 3.0.2**

- The status of the Play Order Track is now saved with the project

#### **The following problems have been fixed in Nuendo 3.1**

- [Mac only] Sometimes the video window is displayed in the corner of the screen, "outside" of Nuendo." Fixed with Tiger (10.4).
- Changing the default names from "External FX" to something like the name of the device is not saved in a Project made in Nuendo after re-launching.
- AAF import failure from Avid EP 4.6.
- AES31 import from Pyramix loses X-fades - this is due to a common but out-of-spec use of AES31 - it's assumed overlapping events must be crossfaded - Nuendo will import the events as overlaps when the AES31 exporting App does not use the XFade keyword
- Machine Control: 9-Pin communication problems between Nuendo and DVW-A500. 9-Pin panel displays "Timeout" state if Nuendo is connected to DVW-A500.
- Nuendo OMF-Import does not import all events, if the OMF contains a selection (found in Avid EP 4.6 OMF: alternate versions of one event = selection)
- "Open Default Project" on startup from Preferences\General has no function.
- "Can Hide" as well as narrow/wide status of channels are not correctly recalled after opening a project (this has been fixed for projects made with version 3.x).
- "Enable Auto Select" setting was not saved for Mackie Control device setup.
- If the function Pool/"Remove unused Media" is involved in a Macro, it may work unreliably.
- "Keep Notes in Range" option was broken in Transpose dialogue.
- OMF: The handle-length for events is not stored into OMF-File when "Export All to one File" and "consolidate events" option is enabled in the OMF-Export menu.
- Using "Control-Click" for the Insert-Bypass-Button of Track- Controls to list the used plug-ins will lead to crash when two projects are open and you toggle between the two projects.

- Input VU meter doesn't work on mono tracks when more than one track records from the same input bus.
- ASIO-Delay-Compensation doesn't work with some Audio Interfaces. Concerned are as far as we know ECHO Layla and Soundscape Mixtreme. Side effect: MIDI and Audio run out of Sync.
- Assigning and recording more than one input bus to several audio tracks does not work. Signal will only be recorded to one track.
- Insert a new key sig or new clef somewhere in the middle of a page. 2) Add another new key sig/clef at the beginning of the next page. = doesn't work as it should.
- A crash could happen in Score Editor after inserting Key Signatures.
- An issue was fixed when modifying plug-in settings in Offline Process.
- Arpatche SX can produce hanging notes, when a recorded session is played back.
- Audio part editor: The mute tool does not work if the range tool has been used before.
- Building N-Tuplets in Score Editor could lead to crash.
- Bypass status for Insert-FX in the Mixer was sometimes not recalled as saved.
- Clef changes in Score Editor sometimes to applied to the desired Voices.
- Copied tracks showed wrong lyrics in Score Editor.
- Crash when dragging a MIDI-Event into the Input Transformer.
- Crash when importing certain Cubase 5.x Songs.
- Crash when pressing multiple transport buttons at the same time.
- Application may crash if you create automation tracks for FX tracks and then un-/reload a plug-in on that FX track.
- Different velocity values in midi parts are not recognized during playback. All events are played using the same velocity value.
- DirectX plug-ins are not disabled in the offline process menu after being deactivated in plug-in Information window.
- Display Length in Score Editor was not working.
- Dots in a dotted notes chord are not aligned.
- Drawing a ramp in Tempo Track and starting playback may lead to crash if audio warp is active.
- Drum Map settings in Score Editor sometimes not remembered.
- Each Time you close the Score-Editor, MIDI and audio drops out for a moment.
- Editing of audio events can be slow, especially if many events are warped/musical/transposed/crossfaded.
- Export Tracks / import archive ignores start times.

- Folder Track problem with copy and paste of events inside folder: Pasted events location is shifted.
- Folder tracks don't stay selected after duplicating.
- Group of events/parts could get dissolved when "Duplicate" command was used.
- Groups within folder tracks could break the signal path (no sound).
- It was not possible to expand / collapse multiple Folders in project window.
- It was not possible to change shape of note heads in Score Editor.
- Latency shifts when using MPEX with pitch-envelope -> these shifts should be compensated by timestretching simultaneously.
- Moved notes to lower staff sometimes not aligned in Score Editor.
- MPEX Algorithm produces wrong results on events with offset (event start not at 0). E.g. cut an audio event and process the rear part.
- Multi track recording can result in freeze depending on Zoom Factor).
- Display mismatch of MIDI Insert-FX with Mackie Control display.
- Application doesn't completely quit if Hyperthreading is enabled with Dual CPU computers. Also possible crashes on loading projects.
- Application crashes after loading a project that contains a frozen VSTi Track.
- Application may crash after closing project without saving, followed by option "delete created files" = yes".
- Application may crash when changing clef on the second staff.
- Page Mode in Score Editor had problems with MIDI Step Input.
- Pool: Convert Stereo file Mono may cause crash
- Pool: Tempo information not always stored immediately with audio file.
- MIDI Pre-record does not work after beat 4 of count in.
- Pressing "Escape"-key to cancel dialogues sometimes led to undesired behavior
- Application may freeze if you remove Groups from the VST Connections window while playback is running.
- Program Changes have not been exported to MIDI file when a Patch Name list was used.
- Random crashes after project load.
- Recalling Workspaces could change Solo states of tracks.
- Score - Step Input fails if multiple parts are used.
- Score - Application may crash after undoing "Delete" of massive number of notes.
- Score: nudge a group of notes sideways changes the stem length.
- Score: Select status of notes (highlighted) is sometimes incorrect if you select notes using arrow keys.
- Several fixes for Page Layout problems in Score-Editor.

- Shuttling across video clip edits can cause lockups.
- Stems sometimes wrong after moving events from one staff to another in Score Editor.
- Symbols in Score Editor were gone after copying a part.
- Tempo symbol in Score Editor showed wrong value.
- Hide function in Score Editor sometimes did not work as expected.
- Turning monitor switch on without having physical input selected in VST connection panel could lead into instable application.
- Under certain conditions you were able to move/resize files to a negative file-length. Intermittently this even may result in crash.
- Using Game Joystick for Surround Panning can lead to freeze.
- Video (PC-only): Thumbnails are not displayed while winding, scrolling, etc. This only occurs with QuickTime video player on windows based system.
- In Nuendo 3.x the Record Latency could vary. The greater the buffer size, the higher the latency (negative value).
- Writing automation with Key Editor open could not be undone.

#### **The following problems have been fixed in Nuendo 3.0.2**

- dB law flaw: When trimming multiple event volumes, automation points or linked mixer faders the dB relation is not retained.
- Project Start time is wrong after OpenTL file is import.
- Relative automation level of multiple points is presently not correct. They retain not their logarithmic relationship.
- When using a remote control device for enabling record on tracks and starting/stopping recording on the transport at the same time the program might lock.
- AES31 doesn't wrap around midnight.
- OMF import problem from Avid 4.1.1 on MacOS 9.0.4 - Embedded audio of an OMF2 file is not imported.
- When changing the audition channel from one configuration to another (say, from 5.1 to stereo) the mixer isn't updated until you load another project. The Audition Channel is missing.
- Link Editor Preference does not work with MIDI List Editor.
- UNDO Cross fades in "Fixed Lane" recording mode can cause errors.
- Importing an OMF from Nuendo to Pro Tools results in only one created track and only one clip is placed.
- If a surround panner is open and "CTRL-W" is being used for closing the program, the program will crash.
- If fade in or fade out touches a crossfade, OMF export may fail.
- Function "Delete Time" may crash.

- "Rename" function does not work if "Date Format 1" is used.
- Using the window close button ("x") can crash the program.
- Splitting a MIDI part resets the Transpose and Velocity information in the Info Line.
- [Mac Only] Nuendo3 will crash when matrix encoder/decoder are being inserted on a 5.1 bus.
- An OMF2 file from a Paris system cannot be opened in version 3 but works well in version 2.
- Drag & Drop from Pool can create wrong channel type.
- "REX Shared Library.dll" - wrong version used.
- Track Record arming irregularities.
- In extended Mixer view, the MIDI meters don't work on narrowed MIDI channels.
- Smaller AES31 Import errors.
- Levels for Event volume and level automation can get stuck when set to -∞ (minus infinity).
- Opening the Drum Editor after enabling Score drum notation leads to crash.