

Nuendo 1.6 features, fixes and issues:

Special MacOS 9.x note:

QuickTime has got a bug that leads to crashes in the file engine of Nuendo, mostly when you punch in or out of recording. To work around it, you have to turn off QuickTime Exchange. To do that go to the QuickTime control panel and uncheck the QuickTime Exchange button.

Background: QuickTime Exchange patches the operating system with code that is not compatible with multithreading and multiprocessor support, which Nuendo uses extensively.

* VST System Link. This provides a way to synchronise 2 or more computer systems by using a digital audio connection. The data transferred over f.e. ADAT lightpipe, s/pdif, T-DIF or AES/EBU is a timecode signal, transport commands and MIDI data. Up to 16 MIDI ports can be created to send MIDI data to another Nuendo or Cubase (SX/SL) system. The transport synchronisation makes sure that start and stop commands are identical on both machines. By using bus routing and monitoring in Nuendo's mixer you can send audio from one to another computer, using each computer as a dedicated fx machine, mixer, multitracker/dubber, monitor mixer or backup machine, synthesizer, sampler or video player or just to spread the CPU load over several machines. Also it is easy to link a laptop machine to a powerful workstation to directly monitor work done on the road in the studio, just by loading a dedicated VST System Link project with the correct routing stored.

* AES31. Now you have the option to import and export AES31 EDL's to load Nuendo projects in other workstations or multitrackers that support AES31, like systems from Euphonix, Fairlight or SadiE. Also you can load projects from these systems using AES31. Please read our AES31 document about the supported features.

* 192 kHz. With an audiocard supporting 192 kHz, you can record, edit, process and export audio throughout the program, up to mastering for DVD-A. Just set the project settings to 192kHz and you will have 192kHz only from that moment. Of course it is possible to import audiofiles of various bitrates and samplerates with or without sample or bitrate conversion. (Please make sure that 3rd party plugins used support this samplerate).

* Full Screen Video in the PC version. With a right mouseclick on the DirectShow or Quicktime Videoplayer panels in Nuendo PC, the video will become full screen on the monitor where the videopanel is located. Another right click will return the panel to become it's "normal" size. (Please note that the video options on your graphics card automatically may alter the intended behaviour - see the readme).

* Video Track Offset for Mac. In the device setup of the video player you can find a value box to offset your video track relatively to the audio/MIDI tracks. This makes sure that any system delay can be offset so you have perfect sync, using external video. The offset can be given in frames. This feature will solve the DV over Firewire offset issues, if you set this value to 8 frames.

* Send speed to 9-pin devices. If this box is checked in Device Setup/ 9-Pin Device 1 or 2, Nuendo will send speed commands to keep the 9-pin slave deck up to speed with Nuendo for continuous synchronisation.

* Time Display with selectable display format: now you can add as much Time Displays as you want in Device Setup/ in the add/remove tab. If you rightclick on them, a context menu will pop up in which you can select the wanted format. So you can have 4 Time Displays for example, showing Bars & Beats, SMPTE 25 fps, 35mm Feet & Frames and Samples at the same time.

Fixes:

* OMF audio event start position.

* OMF's from Avid Media Composer 7.x and 10.x are working as far as the OMF libraries allow. See the known issues.

* Premiere 6.x EDL import doesn't give an error message anymore.

* Pan Law of -3 dB is initialized correctly now.

* Crossfades are not removed anymore when deleting range on crossfaded event.

* Fixed freeze when zooming in and touching the fade handle.

Known issues:

* OMF: OMF's from Avid Media Composer 7.x and 10.x are imported as far as the OMF libraries allow. Avid Media Composer has it's special way of using dissolves over multiple tracks, which is not supported by Nuendo. Re-edit the involved event start/end points or make sure the dissolves in Media Composer are used on events on the same track.

* OMF: Some OMF's may contain embedded SDII files. These files can not be read by Nuendo PC, and may cause read problems for Nuendo Mac. Try to receive the OMF's with embedded AIF or Broadcast Wave files, or using references to locate the separate audio files.

* Plugins: Waves 3.5 upgrade may reset Waves plugins in projects created with Waves 3.2 plugins. Please verify the settings before working on/saving projects after a waves update. Preferably, update after finishing current projects.

* AES31: 24 fps 44.1 kHz projects may have rounding errors of 1 sample.

* AES31: beware that drop frame rates may not be used by other systems, since these are officially not used in AES31. Make sure to verify this before exporting the project as AES31.

* AES31: When fades are created on offline processed events, the fades will be exported as a rendered event. All other fades will be recreated.

* AES31: Custom edited fades are altered to AES-31 fade with 3 edit points. Beware that the fades may be very different compared to the original. The fades will be calculated on 25%, 50% and 75% of the fade's length, drawing a line between these points.

* AES31: in case the receiving workstation doesn't support 32 bit float files, all edit files (offline processed events) need to be bounced, making sure that the project setting is 16 or 24 bit.

* FS Video: A freeze occurs when touching any window when the DirectShow Player is full screen, using Matrox G400/450/550 series. Please right click the video player again before touching another window.

* FS Video: When using Matrox G400/450/550, when restoring the DirectShow player size to normal, the project may be minimized.

* FS Video: When using the Matrox G400/450/550, make sure to either use it's DVD Max option to have full screen video on a second monitor, or to use Nuendo's full screen video feature.

In the latter setup, make sure to de-activate and disable the DVD Max feature completely. Using both features will cause desktop video to misbehave.

* General: (Mac) Error type 2 when starting Nuendo by clicking on project file.

* General: a freeze may occur when zooming in on multiple selected events and touching a fade handle.

* System Link: start from bar 1.1.1.0 (or 00.00.00.00 seconds from project start) might cause a lock problem for the slave systems. Please make sure to position the start point a bar or second later in the project.

* System Link: Nuendo 1.6 for MacOS9 may crash when the tempo is changed in the master machine, using the transport. This only happens when Nuendo is online. The tempo track is read without a crash.

* Rewire: MIDI sent to a Rewire application is monophonic.

* Rewire: on stop, it might happen that the Rewire application play all notes at once.

Nuendo 1.5.3 final release notes:

Fixes in Nuendo 1.5.3:

-no clicks on right output channel anymore with dual processing active.

-VSTi and MIDI capable inserts do not share MIDI port anymore.

-send effects to 2nd or later buses have active output again after opening the project.

-no more crash when creating an empty project with preference "autoselect under cursor" is active.

-output bus faders control correct bus after deactivating a bus used in a surround setup.

-all problems with MIDI notes to VSTi not exported as audio are fixed.

-Halion doesn't crash anymore when another VSTi is unloaded from the VSTi rack.

-Quicktime video with thumbnails view do not crash anymore.

-Graphics and audio are not out of sync anymore.

-Parse error with Premiere Generic EDL import is gone.

-Input Monitor status saved if there is a master insert fx.

-Scope plug-in stores it's settings.

-NuendoCompressor lost it's MP noise bug (new Nuendocomp version).

-Overdrive plugin does not mute output anymore (new Overdrive version).

-USM crash with program changes is gone (new USM version).

-SMPTE Generator sends valid signal with MP active (new SMPTE Gen. version) & NTSC bugs fixed (but read the known issues!)

new features in 1.5.3:

-Input monitoring status saved in project

-Yamaha DM2000 support

-Mackie HUI support (official)

-AMD Athlon, Intel PIII and P4 optimisations

Known issues of 1.5.3:

-VFW DV video import causes crash. Please use DirectShow for DV playback, VFW has no DV codec provided.

-OMF export: various positioning/click errors.

-Crossfades removed when events are glued.

-SMPTE Generator: timecode will be wrong if the cursor starts before the 6th frame after project start.

- MIDI recording with Windows XP may cause negative timestamping. Please use "reset all" if the MIDI part is "empty" after recording MIDI.
- Pitch shift preview with extreme settings might cause a crash.
- Premiere 6(.01) EDL's cause parse error (but imported correctly). 2nd try imports nothing.
- 9-pin: autoedit may not work correctly.
- Direct Monitoring routing in HDSP/Audiolink does not reset previous monitoring bus.
- Projects are initialized with pan law = -2.5 dB instead of -3.0 dB. 0 dB & -6 dB pan law is correct.
- Generic remote: bug when increasing Bank Number while you're already in the highest bank
- Mute-automated track plays if another track is being soloed and un-soloed.
- Surround Panner - if center level is set to max, L/R speakers still get signal.
- Written automation in loop mode will take effect only after playback is stopped once.
- Cubase song import: Muted MIDI tracks are not muted in Nuendo.
- VSTi and Group channels of imported Cubase songs are panned hard-left in Nuendo's mixer.
- Un-Soloing a channel mutes the signal if it is switched during a volume automation.
- Mixer READ / WRITE ALL buttons don't enable/disable Master automation READ / WRITE.
- Freeze - 'control panel' of KORG 1212.
- Pitch Shift - envelope mode: the preview reacts with a delay to the adjusted envelope.
- TC Surroundverb appears in the Offline Process/Plugins menu though it's intended for use as Master FX. The preview button may lead to a crash.

-(Mac) displaying video out via firewire DV not exactly in sync with audio - general firewire problem, not a Nuendo problem.

-(Mac) Punch IN may freeze if there_s a Quicktime Movie loaded.

-(Mac) VERY long projects (4-14 hours) may not playback correctly.

-(Mac) ADD/REMOVE generic device can cause crash.

-(Mac) Sending MTC on multiple ports will cause a crash.

-(Mac) possible Freeze when automating program change of GRM TOOLS plug-in.

-(Mac) Possible performance peaks when locating cursor (G3 computers only).

Fixes and new features in Nuendo 1.5.3 pre-release 2:

- All events included in audio mixdown
- Group channels and VSTi channels are now on fixed positions in the mixer to ensure explicit routing
- Project start time is now calculated correctly for time stamp of Broadcast Wave files
- Pro 52 plug-in won't crash on quit anymore
- VSTi channel settings are now stored correctly (settings were lost if VSTi slot 1 was empty)
- MIDI events won't be duplicated to wrong positions in the MIDI editor anymore
- Adding MIDI events in the project browser will now place them to the correct position in the MIDI parts
- Automation data won't be deleted by deleting a selected range on an audio event
- No more crash when gluing grouped events
- Mixdown through Mix8to2 plug-in isn't phase reversed anymore
- Quickzoom improved

- De-/increasement of locator positions on transport bar with mouseover is now working correctly
- MIDI recording with Midex under Windows 98 SE is now working correctly
- MIDI events can now safely be copied from one project to another
- 9 Pin Machine control for NTSC Devices now working correctly
- 9 Pin: Loop function now works when receiving MTC.
- (Mac) No more crash after converting both file and related edit file to SDII 32 bit in the pool
- (Mac) Import Audio CD won't freeze anymore by changing CD drive speed
- (Mac) No more freezes when doing fades or cross fades
- (Mac) No more system hanging after using Audio Process Preview
- (Mac) Audio mixdown is now bit-accurate

Known problems of 1.5.3 PR2

- Generic remote: bug when increasing Bank Number while you're already in the highest bank
- Mute-automated track plays if another track is being soloed and un-soloed
- Bus routing changes after de-activating a used bus is canceled and another bus is activated
- Surround Panner - if center level is set to max, L/R speakers still get signal
- Written automation in loop mode will take effect only after playback is stopped once
- Cubase song import: Muted MIDI tracks are not muted in Nuendo
- VSTi and Group channels of imported Cubase songs are panned hard-left in Nuendo's mixer
- Un-Soloing a channel mutes the signal if it is switched during a volume automation

- Input Monitor doesn't work after project load if there is a master insert fx
- Mixer READ / WRITE ALL buttons don't enable/disable Master automation READ / WRITE
- Freeze - 'control panel' of KORG 1212
- Scope plug-in doesn't remember settings
- Pitch Shift - envelope mode: the preview reacts with a delay to the adjusted envelope
- Loading Overdrive plug-in in fx slot will interrupt audio to it's output
- Auto Edit doesn't work on Steenbeck VMOD
- TC Surroundverb appears in the Offline Process/Plugins menu though it's

intended for use as Master FX. The preview button can lead to a crash

- export single VSTi midi tracks might result in empty audioevent (complete

mix will be exported correctly)

- (Mac) displaying video out via firewire DV not exactly in sync with audio - general firewire problem, not a Nuendo problem
- (Mac) Punch IN can freeze if there's a Quicktime Movie loaded
- (Mac) VERY long projects (4-14 hours) may not playback correctly
- (MAC) ADD/REMOVE generic device can cause crash
- (MAC) possible Freeze when automating program change of GRM TOOLS plug-in
- USM plug-in crashes when program changes are done. This problem caused by the

USM is solved by a new USM version (80 MB) that will be available on future

Nuendo 1.5.3 CD's.

- (Mac) Possible performance peaks when locating cursor (G3 computers

only)

Fixes and new features in Nuendo 1.5.3 pre-release 1:

- (MAC) Punch in/record problems on certain systems with old Mac OS ROM fixed
- (MAC) Possible freeze on converting files to SDII format fixed
- (MAC) crossfaded SD II files do not cause distortion after reload of projects anymore
- (MAC) Track sheet printing now prints all pages correctly
- Audio mixdown to 16 bit and 24 bit files is now bit-accurate
- Automation is now always read correctly in audio mixdown
- No more audio events are missing in audio mixdown
- Mute automation is now consistent on mixer and the track list
- Antares Plug-ins work correctly again
- Adjusting locator positions on transport bar with mouse over is now working correctly
- Split events now works consistent in project window and part editor
- Bounce to disk does not create DC offset anymore
- Sonic Timeworks plug-ins do not cause distortion anymore
- Manually setting crossfade length now works correctly
- Crossfade editor preview does not crash anymore
- Mute and solo now work correctly
- MIDI parts now can be copied between different projects without problems
- MIDEX8 now works correctly under Windows 98

- OMF files with 29,97 FPS can now be converted with DigiTranslator(R)
- Video picture now follows when event content is slipped
- Quick zoom optimised
- Adaption for JL Cooper MCS-3000X expander
- Adaption for Joystick of JL Cooper MCS Panner
- Adaption for Joystick of JL Cooper MCS Orbiter
- Any project named 'autoplay'.npr will immediately start play back upon

launch

Nuendo 1.5.2 added the following features and fixes:

- MOTU 1296 adaption.
- Mixdown now allows sample rates greater then 96kHz. (176400/192000/352800/384000)
- Additional sample rates for file conversion in Pool (64000/176400/192000)
- Solo of MIDI tracks routed to VST instruments did not work correctly after setting the track to record.
- When a Surround Panner was used on a channel, the previous pan settings would affect the level of the signal.
- Automation of Surround Panner could produce unsteady movements of the signal in the panner.
- Length accuracy was improved for time stretching with MPEX algorithm.
- Freezes related to disc overload situations on certain Macintosh systems have been fixed.
- 9-pin devices would occasionally stop after the right locator.
- On enabling inputs, insert plug-ins where reset.