



Steinberg Nuendo 11

£859

PC MAC

The latest iteration of Steinberg's premium DAW promises a more potent toolset than ever before, but can it tempt the Pros away from Tools?

> When Nuendo was first released back in 2000, Steinberg worked hard to differentiate their new platform from their long-established Cubase, and they did this by positioning their new DAW to take on Pro Tools' then-dominance of the post production market. Over the years since, Nuendo's toolset has expanded to cater for those working with games development, VR content creation, and advanced sound design, and has constantly honed its capabilities in the TV and film post-production sphere. By including all of Cubase Pro's features, it's not half bad at audio recording and music making too!

All of the new features found in Cubase Pro 11 are also to be found in this latest Nuendo release. Check out our review in **cm291** for the complete low-down, but in brief we're talking: improvements to the Key and Score editors; a new multi-channel sidechain engine; improved ARA2 support; important new plugins, and updates to some existing ones; graphical

tweaks; the inclusion of SpectralLayers One, a cut-down version of Steinberg's spectral editing system; improved Sampler tracks; export queuing; and much more. As you would expect, Nuendo 11 also boasts a bunch of updates that are all its own.

Atmospheric

Nuendo 11's biggest headline-grabber is that it now has a built-in Dolby Atmos renderer. For those who don't know, Dolby Atmos is a multi-channel surround sound technology that includes height channels alongside the regular front-back/left-right channels. It also solves the problems associated with trying to produce a surround sound mix that will remain convincing (or as convincing as possible) irrespective of the surround configuration and speaker layout used for playback.

Nuendo has been able to work with external Dolby Atmos renderers - hardware and software

- for a while, and still can, but the new built-in renderer brings the entire Dolby Atmos production pipeline under one roof, along with attendant workflow improvements. For example, tracks in your project can be added to the Atmos configuration with just a click or two, and will bring with them any panning automation that you have set up on the source track. Also, creating a finished multichannel ADM wav file involves just a click-or-two.

If there's any downside it's that the internal Dolby Atmos renderer doesn't support all main mix output configurations (2.0, 5.1, 5.1.4, 7.1 and 7.1.4 are supported). This is fine when setting up for a new project, but can be tricky if you wish to convert an existing project created using an unsupported configuration.

What did you say?

The new Supervision plugin provides you with a comprehensive metering solution that can show

“Nuendo 11 contains almost everything you need, right there in one package”

you up to nine visualisations within a single, resizable, plugin instance. The different visualisations are provided for you as modules, and cover level and loudness metering, spectral readouts, phase meters, surround meters and waveform displays. Three of the modules are exclusive to Nuendo 11, the first of which being a simple Leq(m) readout, which displays a cumulative average volume level for the buss that it will be measuring.

Next up is the Intelligibility Meter. This uses AI-based speech recognition technology, developed by Fraunhofer IDMT, to calculate, in real time, the effort a listener needs to expend in order to understand the dialogue within a mix. The result is displayed as a moving marker on a bar graph divided into 13 segments. A score of 1-3 is considered unintelligible, 4-7 is “problematic”, and 8 or over is intelligible. The system currently recognises English and German speech, and can adapt its analysis to cater for the hearing impaired, as well as for situations where a voiceover overlays another dialogue track.

Changes in the production landscape are reflected in the dedicated Loudness (Netflix) module. As the name might suggest, this variation on a standard loudness meter has its reference levels pre-configured in order to match Netflix’s published specifications. Also in keeping with those specifications, if more than 15% of the audio range contains dialogue, the module switches from a program-gated to a dialogue-gated loudness measurement – in other words, loudness is only measured during passages of dialogue.

More that’s new for Nuendo
Nuendo 11 gets the same new plugins as its stablemate – Imager, Squasher and Frequency 2 – as well as the new MultiTap Delay that supports up-to 7.1 surround sound. The processor’s up to eight signal taps can be freely positioned within the surround sound field. The



Intelligibility meter is a handy tool that gives your lyrical passages a “come again?” score

