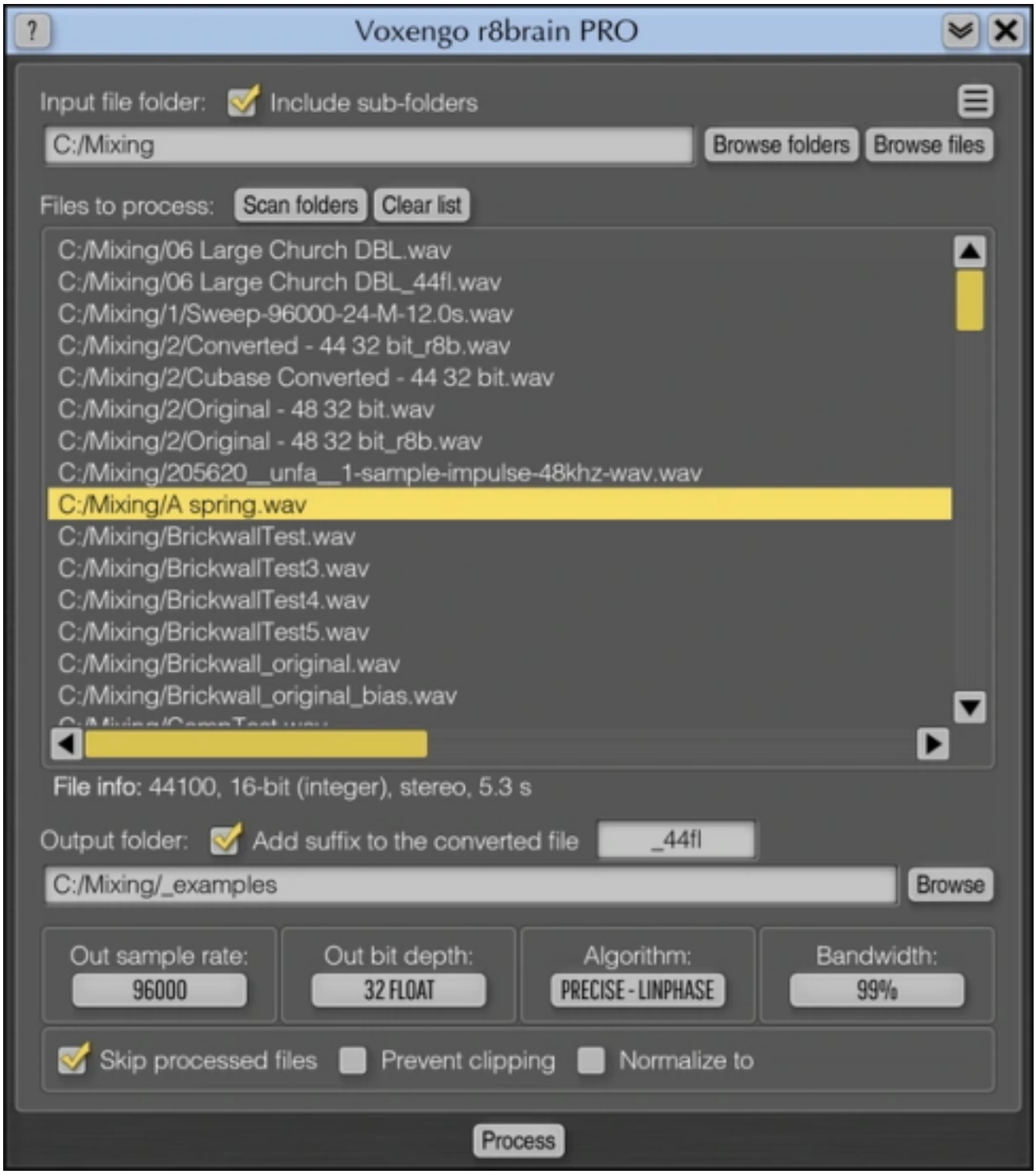
Voxengo r8brain PRO 2.10



Voxengo announces the release of r8brain PRO version 2.10 - a professional sample rate converter tool software designed to deliver an unprecedented sample rate conversion (SRC) quality. r8brain PRO is available for 64-bit Windows and macOS computers.

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Version 2.10 includes the following changes:

- Added support of drag&drop of files from the OS.
- Added information line about a selected file.
- Updated dithering noise generator to PRVHASH 4.3.
- Increased conversion speed in some cases.
- Released macOS version for the first time (Intel/Apple Silicon).

r8brain PRO is a professional sample rate converter tool software designed to deliver an unprecedented sample rate conversion (SRC) quality. Unlike other existing SRC algorithms available on the market, r8brain PRO implements sample rate conversion processing in its full potential: interpolation and decimation steps without exploiting any kind of simplifications; the signal is resampled in a multi-step manner using a series of intermediate sample rates based on whole-numbered up/down factors. This makes conversion perfect – both in signal-to-noise and timing precision aspects. Such whole number-factored SRC can be considered a golden standard in sample rate conversion as it is not subject to jitter nor timing errors.

Like many existing SRC algorithms, r8brain PRO offers you a linear-phase conversion mode. But more importantly, you also have an option of using the minimum-phase conversion mode, which finally brings SRC with true analog qualities to affordable digital audio workstations: in this mode, r8brain PRO works like an ideal digital-to-analog converter followed by an analog-to-digital converter to resample the audio. This eliminates pre-ringing associated with linear-phase designs, while introducing a minimal amount of phase coloration.

r8brain PRO can read mono, stereo and multi-channel files in WAV, RF64, Wave64, and AIFF file formats, creating 16-, 24-, and 32-bit mono, stereo and multi-channel WAV (RF64) files in fixed- and floating-point formats. EBU BWF (broadcasting) extensions, extensible wave format, markers, sample loops and textual data residing inside the file are also supported. For the sake of convenience, r8brain PRO allows you to perform multi-threaded batch conversions that utilize the full potential of your computer.

r8brain PRO's bit-depth conversion uses an industry-standard “flat” TPDF dithering. Voxengo have decided not to implement noise-shaping dithering because audio production software available on the market usually offers the user a noise-shaping dithering of some kind already (you can also use Voxengo's Elephant plug-in for this feature). Voxengo also based their decision on the fact that the sample rate conversion process often adjusts peak profile of the original program material, thus, in many cases, making a subsequent peak-limiting a necessity. To prevent output audio from clipping we have implemented a level normalization feature.

r8brain PRO features:

- Mono, stereo, and multi-channel file support
- Linear-phase and minimum-phase modes

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- Selectable output signal bandwidth
- Automatic peak normalization
- Full WAV file support
- RF64 input and output support
- Broadcast wave extension support
- Markers and sample loops support
- Wave64, AIFF support (on input only)
- Multi-threaded batch conversion
- 64-bit floating point processing
- Standard sample rates support

A demo version of r8brain PRO can be downloaded freely at the Voxengo web site.

www.voxengo.com

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