

AUDACITY

“Audacity is free, open source, cross-platform software for recording and editing sounds.”

– Audacity Team, <http://audacityteam.org>

Terms & Concepts

<p>Audio editor Open source software Cross-platform - Mac OS X - Windows - GNU/Linux Multi-track recording Import/Export audio</p> <p>Device Toolbar Levels - Input/Output - VU meters Clipping display</p> <p>Transport Play/Pause (space bar) Stop Record Skip to start Skip to end</p> <p>Audio Editing Waveform view Spectrum view Timeline Channels, Tracks, Clips & Labels Editing functions - Cut, Copy, Paste - Delete - Undo/Redo Trim Scrubbing and Seeking Timeline Quick-Play Zero crossing</p> <p>Tools Selection tool Envelope tool - Logarithmic fade in/out Draw (pencil) tool Zoom tool Time slice tool Multi-tool mode Envelope Tool</p>	<p><i>For definitions of effects, see the Audacity Glossary</i></p> <p>Effects Delay Echo Reverb Pitch Shifting & Time Stretching - Change Pitch - Change Tempo - Change speed - Sliding Time Scale / Pitch Shift - Paulstretch (extreme stretch)</p> <p>Repeat Reverse Adjust volume - Amplify - Compressor - Crossfade Clips - Crossfade Tracks - Fade In/Fade Out + Linear + Exponential (see Tools) - Normalize</p> <p>Filter/Alter Frequencies - Bass and Treble - Classic Filters - Distortion - Equalization - High/Low Pass Filters - Notch Filter - Phaser - Tremelo - Wahwah - Vocoder</p> <p>Remove - Click Removal + Clip Fix - Noise reduction - Repair - Vocal reduction & isolation - Vocal remover</p> <p>Generate Chirp DTMF tones Karplus-Strong algorithm - Pluck string or drum</p>	<p>Rhythm (Click) track Sample Data Import Silence Tone</p> <p>Analysis Beat Finder Contrast Find Clipping Plot Spectrum Sample Data Export Silence Finder Sound Finder</p> <p>Audio Formats Mono/Stereo Pulse code modulation (PCM) Audio file header Sample rates (up to 192K) Sample format or bit depth: - 16-bit - 24-bit - 32-bit (floating point) Red Book audio standard - CD: 16-bit, 44.1 KHz</p> <p>Uncompressed audio WAV (Windows) AIFF (Mac OS)</p> <p>Compressed audio Codec Lossless compression Lossy compression Size compressed Formats: AAC, Apple Lossless, FLAC, MP2, MP3, MP4, Ogg Vorbis, etc.</p> <p>Plug-ins Nyquist programming language</p> <p>Related Software Avid ProTools</p>
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Links

Audacity Glossary – <http://manual.audacityteam.org/o/man/glossary.html>