

AUDACITY

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

– Audacity Team

Terms & Concepts

<p>Audio Editor Free open source software Cross platform: - Mac OS - Windows - GNU/Linux Import/Export audio</p> <p>Transport Play/Pause (space bar) Stop Record Skip to start Skip to end</p> <p>Device Toolbar Recording (mono, multi-track) Levels: - Input/Output - VU meters Clipping display</p> <p>Audio Editing Waveform Spectrogram Timeline Channels, Tracks, Clips & Labels Editing functions: - Cut, Copy, Paste - Delete - Undo/Redo Trim (Crop) 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</p>	<p>Tools (cont.) Multi-tool mode Envelope Tool</p> <p>Effects (Selected)¹ Delay Echo Reverb Pitch Shifting/Time Stretching: - Change Pitch - Change Speed and Pitch - Change Tempo - Paulstretch (extreme stretch) - Sliding Stretch Repeat Reverse Adjust volume - Amplify - Compressor - Crossfade Clips - Crossfade Tracks - Fade In/Fade Out + Linear + Exponential (see Tools) - Normalize Filter/Alter Frequencies - Bass and Treble - Classic Filters - Distortion - Equalization - High/Low Pass Filters - Notch Filter - Phaser - Tremolo - Wahwah - Vocoder Remove - Click Removal - Clip Fix - Noise reduction - Repair - Vocal reduction & isolation - Vocal remover</p>	<p>Generate Chirp DTMF tones Karplus-Strong algorithm: - Plucked string or Risset drum Rhythm (Click) track Sample Data Import Silence Tone</p> <p>Analysis Beat Finder Contrast Find Clipping Plot Spectrum Sample Data Export Silence & Sound Finder</p> <p>Formats Audacity Project (.aup3) Mono/Stereo/Multitrack Pulse code modulation (PCM) Sample rates (up to 192K) Bit depth: - 16-bit, 24-bit & 32-bit Red Book Audio Standard: - CD: 16-bit, 44.1 KHz Uncompressed audio: - AIFF (Mac OS) - WAV (Windows) Compressed audio: - Codec - Lossless compression - Lossy compression - Size compressed - Formats: AAC, Apple Lossless, CAF, FLAC, MP2, MP3, MP4, Ogg Vorbis, etc.</p> <p>Plug-ins OpenVINO AI Plugins Nyquist programming language</p>
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Audacity Manual – <https://manual.audacityteam.org>

¹ A complete listing of Audacity’s *Effects*, *Generators*, *Analyzers* and *Tools* (with documentation) is available at: https://manual.audacityteam.org/man/index_of_effects_generators_and_analyzers.html.