AudioTools Server Modules for File-Based Audio Workflow

- Industry's Most Widely Used **Loudness Measurement/Adjustment** Tools

- **Dynamics Control** for Dialog Intelligibility, meeting Netflix best practices, as well as adapting to playback platforms (Adaptations for feature film content i.e. reduce dynamic range for broadcast, increased intelligibility for Mobile or Radio/News content, etc.)

- **Dialog enhancement** using Advanced Loudness Adaptation or Fraunhofer's Dialog+ technology

- **Encoding, Decoding, & Transcoding** of Major Audio Codecs, including DD+JOC for Dolby Atmos®, Dolby Digital, Dolby Digital Plus, Dolby E, AAC, MPEG, etc.)

- **Extract & Rewrap** Audio Essences from Major Video Containers (QuickTime, MXF, Transport Streams, etc.)

- **Linear Acoustic® UPMAX® & Downmix**, including upmixing to immersive audio formats, such as 5.1.2, 7.1.4, & 9.1.6 …

- **Next Generation Audio Toolkit**: immersive upmixing up to 9.1.6; Dolby Atmos® encoding; MPEG-H pre-processing and authoring (Channel 16 metadata, scene-based XML templates, etc.)

- **Auto-mix/auto-duck** (Example use case: ducking bed tracks for Audio Description or narration)

- **Omnia.9® radio-style processing** (example use case: making on-demand podcasts sound like good radio, or matching the client's existing Omnia.9 settings in their air chain)

- **Pitchshift & Time Compression/Expansion** (Example: shortening content to add more commercials; repitching after standards conversion; etc.)

- **Editorial utilities**, such as: Topping/Tailing Based upon Timecode or Silences; Editing and/or Stitching Segments Together (Example: grafting a logo file, at a set loudness, to the beginning of content); and more.

- **QA Tools**: EBU QA requirements; Advanced Reporting of File Properties & Metadata; Channel Assignment Detection & Mgmt.; Program Correlation Checks; Phase Correlation Check; Silence & Dropout Detection; Dolby E Analysis (metadata, waveform, line position)

- **Watermarking & Verification** using Kantar Media

- **VST plug-in host** to automate noise reduction, equalization, de-essing, etc. using some of the more popular plug-in tools available, such as those from iZotope …

NEXTGENTV™   Dolby Atmos   ATSC 3.0   MPEG-H AUDIO

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