QuickEnhance® Plug-In

Simplified Speech Clarification Tool for Use in Audio/Video Editors

DAC's QuickEnhance® Plug-In provides six sequential stages of speech clarification filtering in a single plug-in that can be operated within many PC-based audio/video editor platforms, including Adobe Audition, Sony Sound Forge, Acon Acoustica, iZotope, Audacity, Avid Pro Tools, and Avid Media Composer. With an innovative user interface designed for simple, intuitive operation by novice and occasional users, QuickEnhance efficiently and effectively improves the intelligibility of voice recordings by reducing typical background noise sources such as hum, motors and fans, static, and hiss. Additionally, reverberations in speech can be reduced, and multi-band equalization can be applied to improve the final sound quality, with a final AGC stage compensating for near/far talker level differences in the clarified conversation.

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QuickEnhance® Plug-In

QuickEnhance® is a simple, powerful speech clarification plug-in tool that can be easily added to most software editors that handle audio / video files. An intuitive interface provides a typical arrangement of six filters that are effective for reducing many real-world noises. Simply install this tool alongside any PC-based software that supports VST or Audio Suite plug-ins, and you will have a powerful speech clarification capability that you can begin using immediately with **NO** training required!

An effective and easy-to-use tool for quickly clarifying hard to understand audio recordings.

For more information or to receive a price quote, visit the our website at www.ga-america.com or send us an email at sales@ga-america.com.

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Digital Audio Corporation

A dual-trace spectrum analyzer is included, allowing the user to visually compare the input and output audio in the frequency domain.

The QuickEnhance® Plug-In provides the following audio processing, over a voice bandwidth of approximately 7 kHz†:

- INPUT (Pre-processing of incoming audio)
    - o 200 Hz Highpass Filter
    - o Auto-Normalize (automatically adjusts audio level to normal range)

- SPECTRUM Analyzer
    - o Dual-trace, 1000-band FFT analyzer,
    - o Able to display both input and output spectral analysis at the same time

- HUM FILTER
    - o Comb Filter with Automatic Tracking capability
    - o Reduces 50-60Hz AC power, or "mains" hum
    - o Able to adjust hum frequency over a range of 40 Hz to 75 Hz in increments less than 0.1 Hz

- ADAPTIVE NOISE REDUCTION
    - o PREDICTABLE noise reduction section, able to reduce time-correlated noises such as motors and fans, also able to reduce reverberation in voice with Reverb feature enabled
    - o RANDOM noise reduction section, able to reduce noises with broadband spectral patterns such as hiss and static

- 20-BAND GRAPHIC EQUALIZER
    - o Slider controls allow user to shape the final frequency response for desired sound quality

- AGC (Automatic gain control)
    - o Adjustable dynamic gain to compensate for near/far talkers in final clarified audio

DAC has tested the QuickEnhance® Plug-In on multiple platforms. Upon request, a bundled solution that includes the recommended audio/video editor for the desired application can be provided.

System Requirements (minimum):
- Windows XP- or 7-based PC (32-bit or 64-bit OS)
- 2 GB of RAM
- 2.4 GHz dual-core CPU
- 10 GB free disk space
- Software application capable of hosting VST or Audio Suite plug-ins

† Supports audio files at all standard sample rates from 8000 Hz to 96000 Hz

NOTE: We do not support Mac platforms at this time.