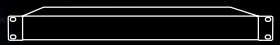


NUT



Versatile Audio Processor

Active audio

L'acoustique active

NUT : An innovative and user-friendly processor

NUT is an 8x8 audio processor dedicated to voice management and speech intelligibility enhancement.

The idea behind NUT stemmed from a simple observation: most audio processors on the market are oversized, underutilized and too complex for non-experts.

The NUT project was born from a desire to offer our clients an audio processor with easy-to-use, plug and play functionality. We decided to modify the functions too and address most voice management and intelligibility problems in complex environments.

With its true turnkey design, NUT concentrates on what is really important to our customers. It offers a complete range of ready-to-use applications that can be set up and operated using any web browser. These apps feature all the controls you will need : Volumes, EQ, Compressor, Delay, Feedback Killer, Router, StepArray Directivity Control, and **the exclusive Active Audio Automix and Speech Processor.**

NUT sets a new standard in terms of innovation and user-friendliness and we are all very proud of it.

Gilles GREGOIRE

Active audio

Connectivity and Interfacing

The NUT Control Software can be used with any web browser on both PC and Mac. Any device running a web browser can be used to set up or operate NUT.



- Web browser operated
- PC/Mac compatible
- Dedicated NUT Remote Control

Applications

With its exclusive apps, NUT sets a new standard in user-friendliness.

Simply drag and drop to download the application that suits your needs best, and enjoy all the power of NUT right away. It is that simple !

All apps are free and are displayed automatically when published. If required, Active Audio can also create custom apps for specific projects.

NUT can drive our StepArray DSP columns thanks to its dedicated function block, or our RayOn passive columns with the specific EQ feature.

- **User-friendly interface**
- **Apps dedicated to acoustically challenging environments**
- **Free apps**

NUT Function Control Blocks...



Compressor



Delay



Volumes / Mixer



Equalizer



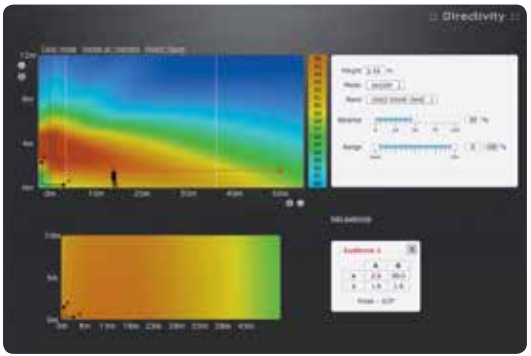
Advanced Function Blocks

Automix



Automix by Active Audio: the fastest automixer on the market. Active Audio's Automix ensures immediate switching from one microphone to another. Combined with our state-of-the-art Feedback Killer, it eliminates the majority of feedback problems.

StepArray



Drive our StepArray DSP columns, adjust the beam according to your needs and simulate direct sound coverage in real-time.

Speech Conformer by Active Audio Proprietary Technology

Some people with a very deep or husky voice tend to be less intelligible when speaking into a microphone. Others simply do not know how to use a microphone properly and keep it too close or too far from their mouth, thus degrading intelligibility.

Active Audio's Speech Conformer uses a set of proprietary algorithms that analyze the spectrum of the speaker's voice in real-time. It constantly adapts equalization and gain according to spectrum variations to make the speaker's voice more intelligible.

With three ready-to-use setups and one user setting, speech intelligibility will be optimal even in the most challenging situations.

- **Unique proprietary algorithms**
- **Real-time adaptation to a speaker's voice**
- **User-friendly setup procedure**



Technical data

CHARACTERISTICS	
Inputs	8 balanced analog inputs, with switchable mic / line level and phantom power
Outputs	8 balanced analog outputs
Control	Application based control through : driverless USB 2.0, Ethernet
Dynamic range	114dB
Power	24 VDC power supply
Dimensions (H x L x P)	44 x 480 x 251mm - Rack 19"- 1U
Input / output levels	balanced 8Vrms (+20 dBu)
Audio connectors	Euroblock
Weight	3.5kg
Sample frequency	48 to 192kHz
Signal processing	Large choice of apps available
Power consumption	< 20W / < 2A



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