



ARTISTO

virtual audio core on COTS





in a nutshell

- ▶ Audio core for broadcast & media
- ▶ Fully virtualised (not relying on any DSP or FPGA)
- ▶ Running on COTS
- ▶ Compatible with physical & virtual soundcards
 - ▶ AES67, MADI, Dante, Livewire...
- ▶ Scalable and modular by design
- ▶ Resting on modern and secure protocols
- ▶ Simplifies interoperability, integration and automation
- ▶ Powerful workflows in 3 layers: **Designer, API, UIs**
- ▶ Easily build your POC thanks to our Joint Execution Program



3 simple layers

1. Workflow designer

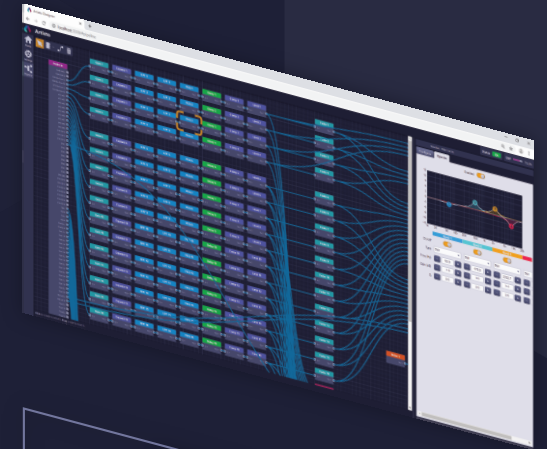
- ▶ Choose from a wide range of processing nodes
- ▶ Size & connect them together virtually
- ▶ Run the engine!

2. Open web-API

- ▶ Open: no manufacturer lockdown
- ▶ Well-documented
- ▶ Built for integration and interoperability with third-party solutions

3. User interfaces

- ▶ Based on widespread web technologies
- ▶ Optimal UX: can be fully customized for each user profile
- ▶ Comes with On-Hertz' library of components (faders, Eqs, PPM...)



ARTISTO



Processing nodes

Sources

- ▷ Player
- ▷ Noise Generator
- ▷ Sine Generator

Selectors & Routers

- ▷ Router

Streaming

- ▷ Decoder

SIP*

- ▷ VoIP Phone
- ▷ AoIP Transmission (codec)

Gain & Mixer

- ▷ Mix Matrix
- ▷ Automixer
- ▷ Gain
- ▷ Summer

Recording*

- ▷ File Recorder

* Coming soon

Filters

- ▷ High-pass
- ▷ Low-pass
- ▷ Parametric EQ
- ▷ Frequency Weighting

Dynamics

- ▷ Expander/Gate
- ▷ Compressor
- ▷ Limiter
- ▷ Limiter with Side-chain
- ▷ Leveler (Loudness or user-adjustable)
- ▷ De-esser
- ▷ Ducker

Delays

- ▷ Delay

Measurement

- ▷ Peak Program Meter
- ▷ Level Detector
- ▷ True Peak Meter
- ▷ EBU Mode Loudness Meter
- ▷ FFT



use cases



- ▷ Automation of radio or TV studios
 - ▷ Stream monitoring solution
 - ▷ Scalable software codec with mix buses and DSP capabilities
 - ▷ Virtual recording booth for journalist
 - ▷ (Remote) virtual radio studio
 - ▷ Cloud-based audio routing, mixing and processing for OTT platforms
 - ▷ Contribution and distribution platform
- ▷ ... What's yours?