



RADIO AND STREAMING AUDIO PROCESSOR

SoftGear's Radio and Streaming Audio Processor takes your audio to the next level

Introducing your cost-effective radio and streaming audio processor for IP / AES67 networks. Powered by legendary Orban® OptiCloud™ processing within the softGear™ architecture, the Radio and Streaming Audio Processor offers an unmatched set of algorithms for automatic and manual audio processing of FM, HD and streaming applications. Choose from 50 defined pre-sets or create your own custom pre-sets to ensure a smooth and consistent way to modify your audio requirements as needed.

The Radio and Streaming Audio Processor offers a secondary processing engine for HD radios and IP streaming applications. Multiple meters and controls provide a visual representation of all processes and offer a quick way to identify and remedy any imperfections in your audio path. As a result, you can quickly influence and adjust the behaviour of your programming by applying different pre-sets or by modifying components of each processing engine.



BASED ON SOFTGEAR™

Modern OS-level virtualization technology allows easy scaling, migration and redundancy, giving you the ultimate flexibility in solution deployment on-premise, or in the private cloud.



MX LIMITER

Proprietary MX limiter technology lowers distortion, improves transient punch, and minimizes FM analog pre-emphasis-induced high-frequency loss.



MULTI-BAND PROCESSING

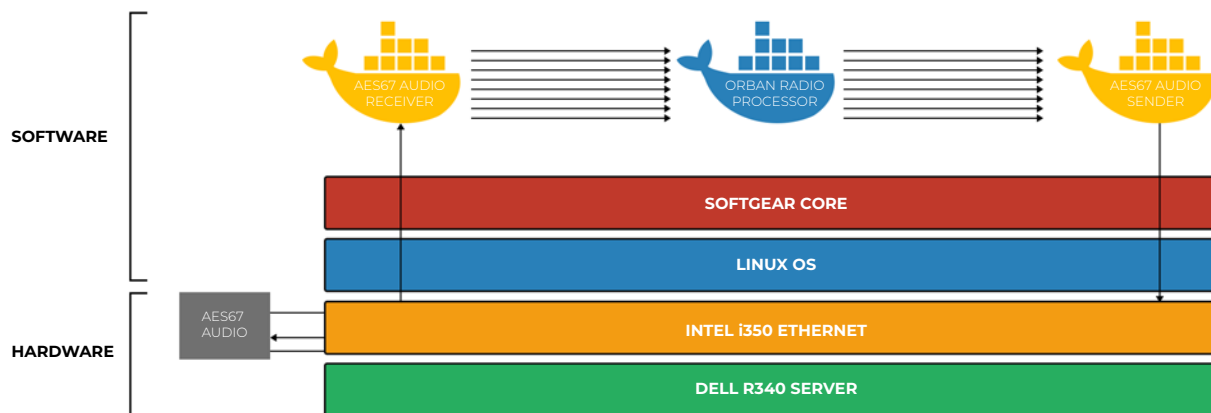
The linked two-band and five-band compressor and limiter followed by a proprietary loudness controller provide comprehensive spectral balance control while maximizing loudness and minimizing distortion.

RADIO AND STREAMING AUDIO PROCESSOR - SPECIFICATIONS

- High-density design – Up to 8 concurrent workflows
 - Up to 8 input and output AES-67 streams
 - ST 2022-7 seamless protection switching
- Audio Processing
 - Eight instances of FM and/or HD, Streaming processor
 - FM: 50uSec or 75uSec Pre-emphasis
 - High Performance MX Peak Limiter
 - Two-band, window-gated AGC
 - Dual-Mono AGC
 - Five-band Multiband Compressor/Limiter
 - Look-ahead Compression
 - OPTIMOD Loudness Control
 - BS.1770 Loudness Control
 - Active Phase Correction
 - Stereo Enhancer
 - Bass Shelving EQ
 - Bass Limit Modes
 - Mono Bass w/ Crossover
 - Three-band Parametric EQ
 - Brilliance Control
 - Stereo Synthesizer
 - Adaptive HF Enhancer
 - Subharmonic Synthesizer
 - Downward Expander Noise Reduction
 - 50 Custom pre-sets
 - Unlimited number of customer defined pre-sets• Audio Formats
 - Sampling rate of 48kHz and bit-depth of 24-bit.
- Synchronization
 - Alignment with media timeline and broadcaster master clock.
 - Precision Time Protocol (PTP)
- Control
 - Full configuration, setup and monitoring via DashBoard™

BLOCK DIAGRAM

Radio and streaming audio processor for IP / AES67 networks based on legendary Orban® processing



ORDERING INFORMATION

SG-RSAP-PKG

The Radio and Streaming Audio Processor supports up to 8 Orban Radio processing micro-service



www.rossvideo.com/SoftGear

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