

OMNIA INNOVATES WITH THE 8x

Omnia 8x



Once again, Omnia innovates with Omnia 8x. While others continue to play catchup, Omnia moves forward with a unique approach to processing, where multiple instances are required. HD Radio multicasts, streaming Internet audio, network delivery systems cluster installations — there are more audio channels generated in today's radio facility than ever before. All of them need audio processing to maintain the high quality of your audio in bit-reduced environments.

Omnia 8x dramatically improves the sound of your streams with the power, punch and purity of Omnia audio processing. But Omnia 8x doesn't process just one audio stream — instead you'll find the power of eight discrete three-band stereo Omnia audio processors in a single, networked box.

We started with algorithms modeled after those used in our popular Omnia-3, then refined them even further. Omnia 8x's unique processing architecture is designed to work ahead of any bit reduced audio coder to reduce artifacts and improve the sound of audio destined for HD Radio, Internet and satellite broadcasting.

Omnia 8x conditions and enhances your audio to make sure your coded audio sounds as good to your listeners as it does in your studio.

In addition to coded audio applications, the power of Omnia 8x can also benefit other areas of the radio facility. Use it to process headphone feeds where off-air monitoring is not possible; as multi-band level control for remote codecs or on-air telephone systems; to process and send multiple audio streams from a single studio complex to multiple transmitter sites; or on-demand for in-studio musical performances or commercial production applications.

Omnia 8x makes life even easier when it comes to audio connections. Omnia 8x uses the Livewire standard for professional networked audio over Ethernet, so you can connect it directly to your Axia IP-Audio Network — a single CAT-6 cable is all that's needed for 8 channels of stereo I/O, plus remote control. If you don't yet have an Axia network, that's no problem; just pair Omnia 8x with an Axia AES/EBU or Analog Audio Node for use as a standalone, high-density audio processor.



OmniaAudio.com

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OMNIA 8x IS THE PERFECT SOLUTION FOR:

HD Radio installations, Master Control facilities and network head-ends, where multiple channels of audio processing are needed • Professional processing of Streaming Audio feeds • Processing for headphone feeds where off-air monitoring is not possible • Multi-band level control for remote codecs • Sweetening caller audio from broadcast telephone systems • Processing and sending audio streams from a single studio complex to multiple transmitter sites • In-studio musical performances • On-demand processing for production rooms or dubbing stations • HD Radio multicast channels • Satellite Uplinks

FEATURES

Eight stereo audio processors in one 2RU chassis, each with three bands of AGC • Wideband AGC, look-ahead final limiter and Omnia Bass Management • Plenty of presets to help you sound your best as quickly as possible • Built-in Livewire interface for single-cable audio, control and data connection to IP-Audio networks • Connect directly via Ethernet to an Axia Audio Node for standard AES and analog I/O • Networked remote control and configuration using any standard Web browser • Reliable 24/7 processing based on tried-and-true Omnia-3 algorithms • Flexible architecture that can be used for multiple processing purposes: FM, AM, HD Radio, Internet streams, etc • Future Ready engine platform allows for new processing designs to be implemented easily - The online software upgrade procedure ensures you'll always have the latest developments in audio processing from Omnia. • World-famous Omnia Sound relied on by broadcasters in major markets everywhere: clean, smooth and pure with loudness on demand



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