

ProAudio

Audio Matrix Range



OVERVIEW

Pulse-Eight's ProAudio™ Series provides a world class audio experience with maximum flexibility and capability plus the largest selection of DSP preamp model configurations. Our feature-rich products eliminate the need for an AVR in many large scale audio environments. Pulse-Eight's renowned capabilities with volume, bass, treble, EQ, input/output gain control, lip sync delay, mono mixdown with programmable zone mute and 12V amp triggers is the industry standard

KEY FEATURES

- Volume, Balance, Bass, Treble and 5 Band Equalizer control of analog and digital audio.
- Volume range: +24dB to -99.5dB, and full mute (-115dB), with 0.5dB step resolution.
- Master volume to control all zones simultaneously (+24dB to -99.5dB), and full mute.
- Tone / EQ ranges: +20dB to -20dB, with 0.5dB step resolution.
- Gain settings (+/-24dB) for all analog and digital inputs.
- Zone gain settings (+/-24dB) for each zone.
- Lip sync delay from 0 to 170ms, per zone and/or per input.
- Audio format conversion: Digital inputs are automatically converted to analog audio.
(Does not downmix Dolby5.1 or DTS to analog audio, but does pass multichannel audio to the S/PDIF outputs)
- Both analog and digital audio is available simultaneously on the outputs.
- Controlled through TCP/IP and/or Bi-directional RS-232. The TCP/IP and RS-232 share a simple ASCII protocol. Drivers available for all major control systems. The easy to use protocol makes writing new drivers a breeze.

TECHNICAL DATA

Dimensions:	ProAudio8 30 x 9 x 44cm (2U)
	ProAudio16 30 x 9 x 44cm (2U)
	ProAudio1632 30 x 22 x 44cm (4U)
	ProAudio32 30 x 22 x 44cm (4U)
	ProAudio3248 30 x 27 x 44cm (6U)
Material:	Brushed Aluminium Enclosure
Operating Temperature Range:	-10 to +70°C (14 to +158°F)
Operating Humidity Range:	5 to 95% RH (no condensation)
Power Supply:	12V / 60W
Audio Input:	ProAudio8 8x Stereo L/R, 8x Optical, 8x Digital Coax
	ProAudio16 16x Stereo L/R, 16x Optical, 16x Digital Coax
	ProAudio1632 16x Stereo L/R, 8x Optical, 16x Digital Coax
	ProAudio32 32x Stereo L/R, 16x Optical, 32x Digital Coax
	ProAudio3248 32x Stereo L/R, 16x Optical, 32x Digital Coax
Audio Output:	ProAudio8 8x Stereo L/R, 8x Digital Coax
	ProAudio16 16x Stereo L/R, 16x Digital Coax
	ProAudio1632 32x Stereo L/R, 32x Digital Coax and 12x 12V Trigger
	ProAudio32 32x Stereo L/R, 32x Digital Coax and 12x 12V Trigger
	ProAudio3248 48x Stereo L/R, 48x Digital Coax and 18x 12V Trigger
Lip Sync Delay:	Up to 170ms per zone
Volume Adjustments:	20db to +20db 0.5db steps
Bass:	20db to +20db 0.5db steps
Treble:	-20db to +20db 0.5db steps
Equalizer:	5 band EQ per zone
Mono Mixdown:	Input and Output to Stereo L/R
Subwoofer Control:	Yes
Input Gain Control:	24db to +24db
Output Gain Control:	-24db to +24db
Coax Input Levels:	200mV-7.0V (PC card compatible)
Coax Output Level:	500mV nominal into 75 ohms
Freq. Response:	5Hz-20KHz @ +/-0.1dB S.N
Signal to Noise Ratio:	> 85dB, 5Hz-20KHz
Input Impedance:	10K ohms
Max Internal Power Supply:	110V / 240V auto ranging
Audio Modes:	PCM, DD5.1, DTS, All modes (Multi-channel audio modes are pass through only, the switches do not down-convert)

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Pulse-Eight Limited . 8-12 Alder Hills . Poole . Dorset . BH12 4AL . UK
 sales@pulse-eight.com | +44 (0)1202 413610
 pulse-eight.com