

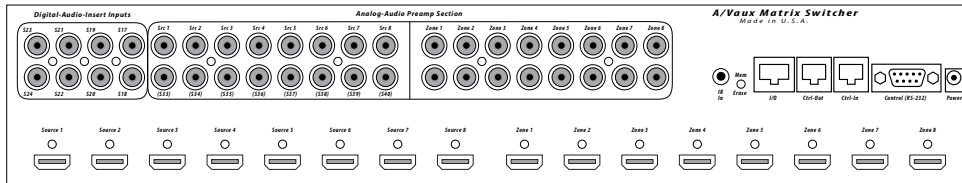
PURESPECTRA HDM+ SWITCHERS

Multi-room High-Definition Digital Video & High-Fidelity Audio



- 8x8 HDM+ fast-switching full-matrix routing, with Audio-Insert and muting
- Exceptional EDID and Key management for HDTV sources and sinks
- Up to 1080p 60Hz, support for 3D formats, and up to 36-bit deep-color
- Lossless Dolby TrueHD and DTS-HD Master Audio, and other audio formats
- Audio-Insert allows different audio to be fed to HDM+ output zones
- Audio-Insert from either HDM+, Digital-Audio, or Analog-Audio source
- Analog-Audio outputs provide zoned Volume, EQ, Balance, and more
- Programmable analog zone Turn-on volumes, Source-Leveling, etc
- Save multiple states for Paging and Presets; Group zones together
- On-Screen-Display (OSD) system for sending text messages or alerts
- Breakaway routing commands for video or audio only, audio/video, insert
- Control via Ethernet, RS-232 Serial, and/or Infrared

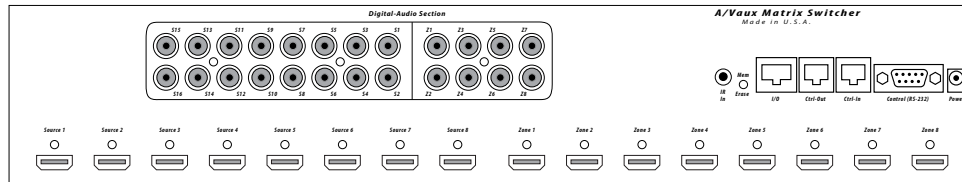
A/Vcaux



RGS-808HDA -808HDAX

8x8 HDM+ Matrix
8x8 Analog-Audio Matrix
8x Digital-Audio Inputs
HDM+ Audio Insertion

Our PureSpectra RGS-808HDA and -808HDAX switchers quickly switch HDM+ signals, and include a high-fidelity analog-audio matrix/preamp for whole-house audio distribution. Auxilliary S/PDIF digital-audio inputs allow for insertion of different audio sources into any HDM+ zone. The HDAX version also include analog-to-digital conversion of the eight analog audio sources, for audio insertion into HDM+ zones.



RGS-808HDD

8x8 HDM+ Matrix
24x16 Digital-Audio Matrix
HDM+ Audio Extraction
HDM+ Audio Insertion

A/Vaux's RGS-808HDD includes both an HDM+ matrix, and a digital-audio section. The audio from HDM+ sources is internally extracted, and, along with sixteen external S/PDIF digital-audio inputs, provides a total of 24 inputs to the digital-audio matrix. Digital-audio can be routed to any of the eight external outputs, or fed internally to any HDM+ zone for audio insertion.

HDM+ Section:

Up to 1080p 60 Hz pixel rates (225 MHz). Support for 3D video formats. Up to 36-bit deep-color (12/10/8). Extended color gamut (xvYCC). DVI up to 1600x1200/60Hz. Intelligent management of EDID parameters for fast glitch-free switching. Key handling allows even single-key sources. Lossless Dolby TrueHD and DTS-HD Master Audio, Dolby Digital and DTS family compressed formats, SACD, and PCM audio support. Audio fed to HDM+ zones may be inserted from various internal and external sources. On-Screen-Display (OSD) system. Input EQ for up to ~20-to-30m of (quality) cable. Compatible with version 1.4a HDTV and version 1.4 HDCP standards.

Analog Audio Section:

Volume Adjustment Range (1dB per step)	-80 to +6 dB
Bass /Midrange/Treble Adjustment Range (1dB per step)	-15 to +15 dB
EQ Parametrics	Center-Freq, Q
Frequency Response (into 47K ohm load)	20 Hz to 100 KHz
Signal-to-Noise (20-20KHz bandpass, 1KHz test at 1Vrms)	95 dB
Total Harmonic Distortion (20-20KHz bandpass, 1KHz test at 1Vrms)	0.02%
Source-Programmable Gains; Zone Programmable: Turn-on/Min/Max-Volumes, Mute levels, etc.	

Digital-Audio Section:

S/PDIF (IE 60958). Bandwidth of 120 MHz. Differential Gain/Phase of 0.1% and 0.2 degree typ.

Other:

Dimensions (2U rack chassis) (48cm W x 8.9cm H x 25cm D)	19" W x 3.5" H x 10" D
Weight, typical 2U chassis (4.0 kilos)	9 lbs
Control with RS-232 and/or infrared -- ethernet version available. Made in USA.	

BR-PS-0812

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