

An Adaptable Multi-Channel Audio Ecosystem

Movies and games have long delivered multi-channel audio, and now platforms like Apple Music, Tidal, QQ, Qobuz, and YouTube are following suit with support for Dolby Atmos, DTS, and multi-channel PCM formats. Modern homes blend stereo systems, streamers, gaming consoles, and home theaters – all providing multi-channel audio through USB and HDMI.

The NuPrime Fusion-X platform unites these worlds in one modular, flexible, and scalable ecosystem – redefining how you experience music and movies.

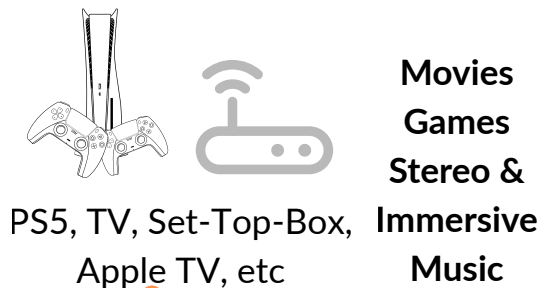


USB audio delivering multi-channel PCM

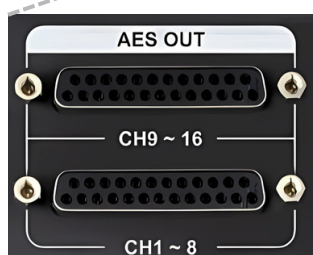
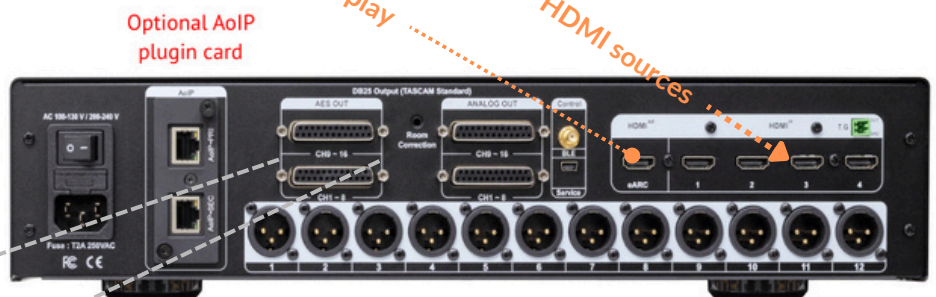


HDMI Outputs: Dolby & DTS

Core Component: Compact AV Processor



Decodes Dolby and DTS
HDMI signals to digital
outputs.



H16-AVP- A full-featured AV Processor with room acoustic calibration with digital (AES3) and analog (XLR) outputs

- HDMI 2.0 with HDCP 2.2., 3D and 4K HD video
- Dolby Atmos (up to 7.1.4), Dolby True HD, DTS:X, DTS-HD
- HDMI eARC

Speaker Layouts and Connectivity

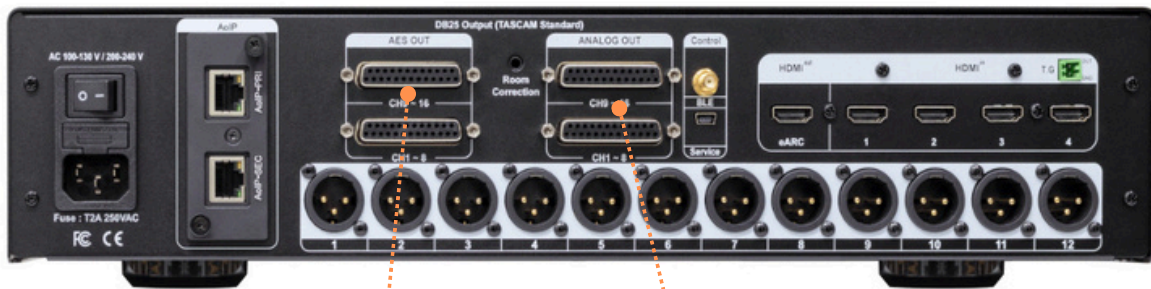
The H16-AVP speaker setup is similar to a Dolby Atmos multi-channel system.

Output Channel	Speaker Layout					
	5.1	7.1	5.1.2	5.1.4	7.1.2	7.1.4
1	L	L	L	L	L	L
2	R	R	R	R	R	R
3	C	C	C	C	C	C
4	LFE	LFE	LFE	LFE	LFE	LFE
5	Ls	Ls	Ls	Ls	Ls	Ls
6	Rs	Rs	Rs	Rs	Rs	Rs
7		Lrs	Ltm	Ltf	Lrs	Lrs
8		Rrs	Rtm	Rtf	Rrs	Rrs
9				Ltr	Ltm	Ltf
10				Rtr	Rtm	Rtf
11						Ltr
12						Rtr

Many options to mix and match:

- 2 x DB25 (analog) to XLR cables
- 2 x DB25 (analog) to RCA cables
- 2 x DB25 (AES3) to XLR cables
- 2 x DB25 to DB25 (analog) cables
- 2 x DB25 to DB25 (AES3) cables
- 12 x XLR (analog) cables
- Optional AoIP output

Optional AoIP
plugin card



DB25 to DB25 (AES3)

AES3 DB25
outputs



DB25 to DB25 (analog)

Analog DB25
outputs



DB25 (AES3) to XLR



DB25 (analog)
to XLR



DB25 (AES3) to XLR



DB25 (analog)
to RCA

Future-Proof & Expandable Ecosystem

Modular Design with Flexible Connectivity and Scalable Growth



MCX-800AD - 8-channel DACs+Amps

- Multi-channel DAC architecture using four clock-sync stereo DACs
- Peak Power: 8 x 280W@4ohm, 170W@8ohm;
RMS Power: 8 x 220W@4ohm, 120W@8ohm



Fusion 8D - 8-channel DACs

- Multi-channel DAC architecture using four clock-sync high end stereo DACs
- 8-Channel USB Audio, 8-Channel XLR, and five expansion slots for AES, AoIP and XLR I/Os



Expandable plug-in modules for multi-channel digital and analog inputs and outputs.



Fusion 3X & 4X (3 & 4-Channel Amps)

- Power Output (RMS rated) @ 4Ω: 310 W per channel
- Power Output (RMS rated) @ 8Ω: 160 W per channel
- THD + N: 0.007@5W 1K Hz, 0.012@50W 1K Hz, 0.02@100W 1K Hz
- Frequency Response: 10Hz ~ 50K Hz
- Signal to Noise Ratio: 100 dB @ 10W, 110 dB @ 100W



MCX-800MZ

- Peak Power: 8 x 280W@4Ω, 170W@8Ω.
- RMS power: 8 x 220W@4Ω, 120W@8Ω.
- Multizone: Bus A, Bus B, and Line In.

