

HDMI Matrix Switcher

Engineered for Clarity. Designed for Control

18Gbps 8x8 HDMI Matrix with ARC Function



Overview

This Ordain's 18Gbps 8x8 HDMI Matrix supports the transmission of video (up to 4K2K@60Hz YUV 4:4:4) and multi-channel high resolution digital audio from 8 HDMI sources to 8 HDMI displays. Audio de-embedded to analog and coaxial audio is supported from 8 HDMI output ports. While HDMI output ARC function is enabled, the ARC audio from HDMI display devices will be extracted to coaxial audio output. Each HDMI output of this 8x8 HDMI Matrix supports 4K2K to 1080P downscale independently. Control is via front panel buttons, IR remote, RS-232, LAN and Web GUI.



Features

- HDMI 2.0b, HDCP 2.2 and HDCP 1.4 compliant
- Video resolution up to 4K2K@60Hz (YUV 4:4:4) on all HDMI ports
- Support 18Gbps video bandwidth
- Dolby Vision, HDR10+ and HLG are supported.
- Support 4K->1080P Down Scaler for each output port
- HDMI audio pass-through up to 7.1CH HD audio (LPCM, Dolby TrueHD and DTS-HD Master Audio)
- Audio de-embedded is supported via analog and coax ports
- ARC, CEC and smart EDID management are supported
- 1U rack mounted design with front panel OLED display
- Control via front panel buttons, IR remote, RS-232, LAN and Web GUI

Technical Specifications

OS-HMS88DA

Specification	Details
Model	OS-HMS88DA
HDMI Compliance	HDMI 2.0
HDCP Compliance	HDCP 2.2 and HDCP 1.4
Video Bandwidth	18Gbps
Video Resolution	Up to 4K2K@50/60Hz (4:4:4)
Color Space	RGB, YCbCr 4:4:4/4:2:2/4:2:0
Color Depth	8-bit, 10-bit, 12-bit
HDMI Audio Formats (Pass-through)	LPCM 2/5.1/7.1, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X
Coax Audio Formats	LPCM 2.0, Dolby Digital / Plus, DTS 5.1
L/R Audio Formats	PCM2.0CH
HDR Support	HDR10, HDR10+. Dolby Vision, HLG
ESD Protection	Human body model: ±8kV (air-gap discharge) & ±4kV (contact discharge)
Input Ports	8x HDMI Type A [19-pin female] 1x IR EXT [3.5mm Stereo Mini-jack]
Output Ports	8x HDMI Type A [19-pin female] 8x Coax Audio (RCA) 8x L/R Audio [3.5mm Stereo Mini-jack]
Control port	1x TCP/IP [RJ45] 1x RS-232 [D-Sub 9]
Housing	Metal Enclosure
Color	Black
Dimensions	440mm (W)x200mm (D)x44.5mm (H)
Weight	2.8kg
Power Supply	Input: AC 100 - 240V 50/60Hz Output: DC 12V/5A
Power Consumption (Max)	43W
Operation Temperature	14°F - 113°F / -10°C - 45°C
Storage Temperature	-4°F - 140°F / -20°C - 60°C
Relative Humidity	20 - 90% RH (no condensation)
Video Resolution	4K60-5m/16ft, 4K30-10m/32ft, 1080p60-15m/50ft
The use of "Premium High Speed HDMI" cable is highly recommended.	

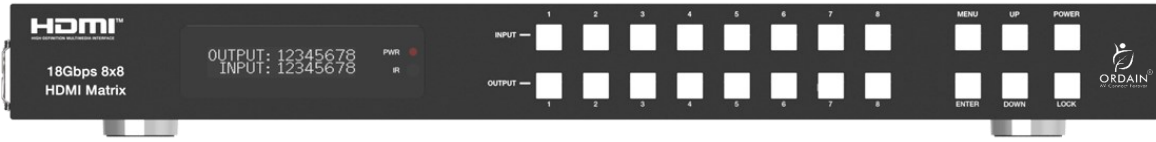
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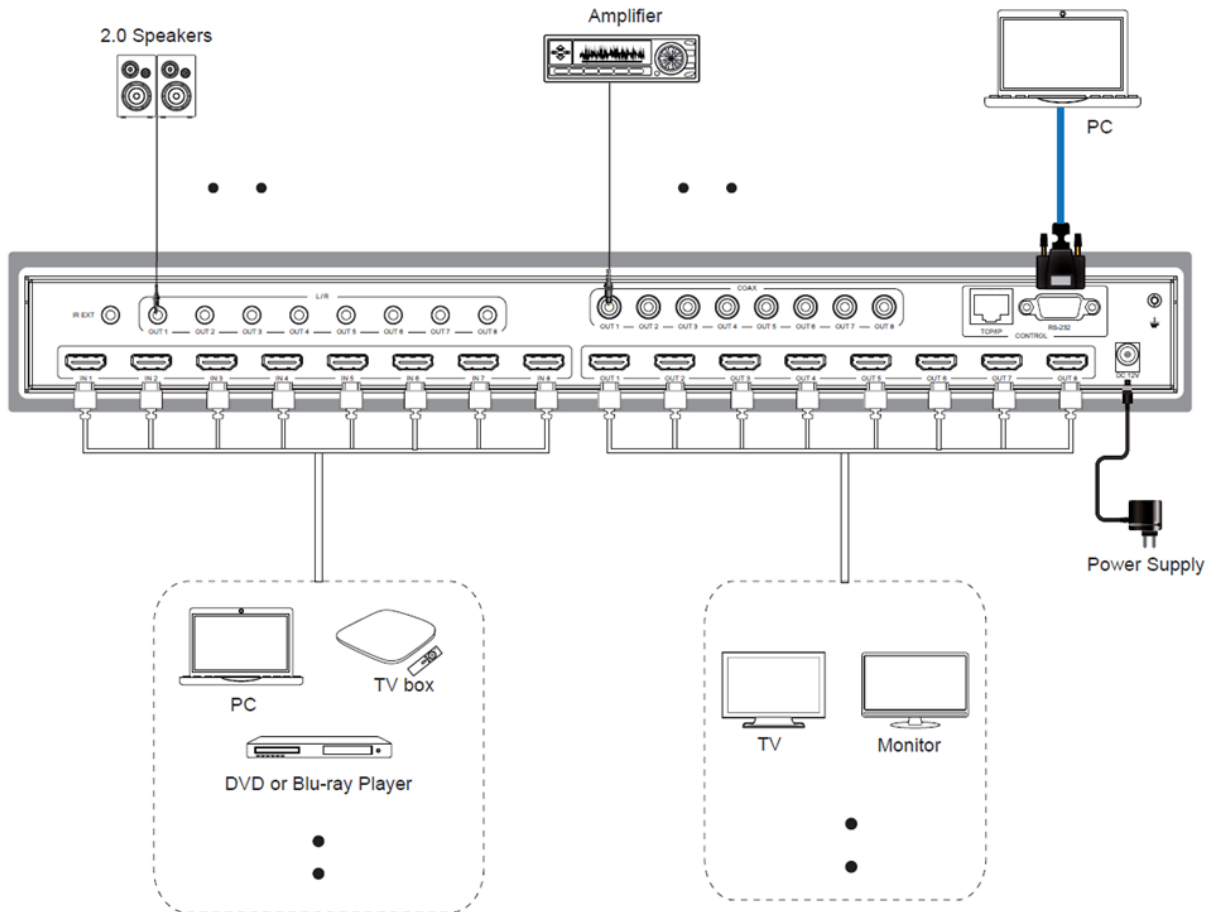
Front View



Rear View



Connectivity Diagram



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