



## 8K HDMI 4x1 Switcher with ARC/eARC Function

This 8K HDMI 4x1 Switcher can switch any of the four HDMI source signals to one HDMI display, with video resolution up to 8K@60Hz 4:2:0. It supports advanced EDID management, CEC control, ARC/eARC and audio de-embedded function (Output through the optical and analog audio port). Furthermore, firmware upgrade via USB Type C port is supported. This multi-functional product can be widely applied in scenarios of demonstration, video conference, multimedia teaching and other occasions requiring for big-screen demonstration.

### Featured Highlights

- HDMI 2.1 and HDCP 2.3 compliant
- Support 48Gbps FRL and 18Gbps TMDS video bandwidth
- Video resolution is up to 8K@60Hz 4:2:0 12bit, 8K@30Hz 4:4:4 12bit, 4K@120Hz 4:4:4 12bit
- HDMI 2.1 protocol: VRR, ALLM, QMS, QFT, SBTM are supported
- Support HDR, HDR10, HDR10+, Dolby Vision, HLG pass-through
- Support HDMI audio formats: LPCM 7.1CH, Dolby TrueHD, Atmos and DTS-HD Master, DTS:X Audio pass-through
- Features 4 x HDMI inputs routed to 1 x HDMI output
- Support HDMI input and TV eARC audio de-embedded to SPDIF and L/R audio output
- Support HDMI input and TV eARC audio to output to SONOS ARC & Beam or any eARC soundbar
- Support CEC control from TV at output to source at input
- Support CEC volume control from TV to

**TECHNICAL**

HDMI Compliance	HDMI 2.1
HDCP Compliance	HDCP 2.3
Video Bandwidth	48Gbps FRL and 18Gbps TMDS
Audio/Video Latency	No Latency
Video Resolution	Up to 8K@60Hz 4:2:0 12bit, 8K@30Hz 4:4:4 12bit, 4K@120Hz 4:4:4 12bit
Color Depth	8/10/12bit
Color Space	RGB_4:4:4, YCbCr_4:4:4, YCbCr_4:2:2, YCbCr_4:2:0
Audio Formats	<b>HDMI input/output:</b> LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DTS:X, DSD <b>eARC Audio Out:</b> LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DTS:X, DSD <b>Audio De-embedded Output:</b> Optical: LPCM 2.0CH/Dolby/DTS 5.1CH Analog: LPCM 2.0CH
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
ESD Protection	Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

**MECHANICAL**

Housing	Metal Enclosure
Color	Black
Dimensions	176mm (W) × 68mm (D) × 18mm (H)
Weight	315g
Power Supply	Input: AC100-240V 50/60Hz, Output: DC 5V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	2.5W (Max)
Operation Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (non-condensing)

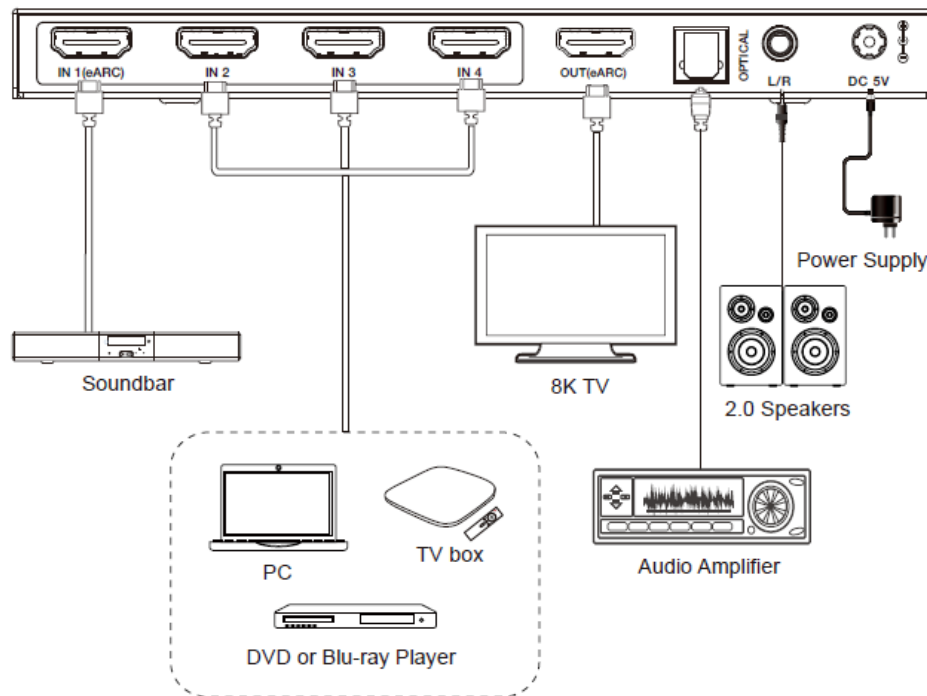
**Recommended HDMI Cable**

Video Resolution	8K	4K60	4K24	1080P
HDMI Cable Length (HDMI IN / OUT)	3m/10ft	8m/26ft	12m/39ft	15m/49ft

The use of "Premium High Speed HDMI" cable is highly recommended.

**Connection**

Input	4 × HDMI IN [Type A, 19-pin female]
Output	1 × HDMI OUT [Type A, 19-pin female] 1 × OPTICAL [S/PDIF] 1 × L/R [3.5mm Stereo Mini-jack]
Control	1 × SERVICE [USB Type C, Update port]

**Classic Application Example**

**Applications**

AV distribution system in Digital signage, Shopping malls, Video-wall, etc.