

DVDO

DVDO-Switcher-41-ARC

4K 4x1 HDMI Switcher with ARC Support



DVDO-Switcher-41-ARC is a 4x1 HDMI switcher that can route up to four sources to a single display.

It supports HDMI signals with resolutions up to 4K60 4:4:4 with an 18Gbps bandwidth.

It supports ARC/eARC, 10bit HDR and CEC functions.

DVDO-Switcher-41-ARC offers advanced EDID management and can be controlled via its front panel buttons or remote control.

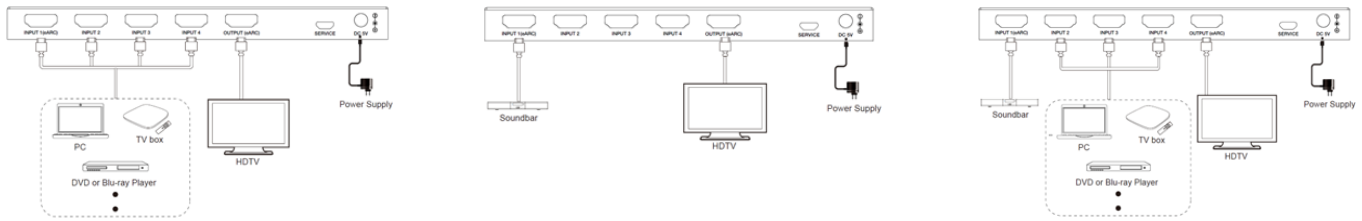
Features

- HDMI 2.0b, HDCP 2.2 / 1.x and DVI 1.0 compliant
- Video resolutions up to 4K2K@60Hz RGB/YCbCr 4:4:4
- 18Gbps video bandwidth
- Support 3D, HDR, HDR10, HDR10+, Dolby Vision pass-through
- Audio formats: LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
- Auto & manual switching modes for input sources
- Supports ARC/eARC (only for the "INPUT 1(eARC)" port) and CEC functions
- Advanced EDID management (AUTO / 2.0CH / 5.1CH / 7.1CH selectable)
- Flexible control via front panel buttons or IR remote control

Applications

- Residential
- Hospitality
- Digital Signage
- Houses of Worship
- Education
- Restaurants
- Retail
- Conference Rooms

Application Diagrams



Technical Specifications

Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2 / 1.x
Video Bandwidth	18Gbps
Video Resolutions	Up to 4K2K@60 4:4:4
Color Space	RGB 4:4:4, YCbCr 4:4:4 / 4:2:2 / 4:2:0
Color Depth	8-bit, 10-bit, 12-bit (1080p@60Hz) 8-bit (4K2K@60Hz YUV4:4:4) 8-bit, 10-bit, 12-bit (4K2K@60Hz YCbCr 4:2:2 / 4:2:0)
HDMI Audio Formats	LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
HDR	HDR, HDR 10, HDR 10+ and Dolby Vision
ESD Protection	Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)
Connections	
Input ports	4 x HDMI IN [Type A, 19-pin female]
Output ports	1 x HDMI OUT [Type A, 19-pin female]
Control ports	1 x SERVICE [Micro USB port]
Mechanical	
Housing	Black metal enclosure
Dimensions	182mm [W] x 84mm [D] x 15.5mm [H]
Weight	370g
Power Supply	Input: AC 100 - 240V 50/60Hz Output: DC 5V/1A
Power Consumption	2W (Max)
Operating Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no-condensing)