



This product is an 18G HDMI video switcher with 4 HDMI inputs and 2 scaling HDMI outputs. Each input and output supports up to 4K60 444 HDMI 18G video. The outputs can be individually scaled for 1080p or HDBaseT compatibility. De-embedded audio as analogue L+R and optical TosLink is available for both outputs. The Matrix Switcher can automatically control the display device using RS232, CEC or IR when the last input signal is lost, or when the first video input is detected. This switcher can be controlled from the front panel, RS232, IR, or LAN.

- HDMI 2.0, HDCP 2.2 / HDCP 1.4 and DVI 1.0 compliant
- Four 18G HDMI 2.0 video inputs supporting up to 4K60 444 resolution
- Two 18G HDMI 2.0 video outputs supporting up to 4K60 444 resolution
- Both outputs can be individually scaled for 4K→1080p or HDBaseT mode
- Automatic RS232, CEC and IR control of the display device power state
- Two sets of de-embedded audio analogue and TosLink outputs, for both outputs
- ARC decoding to the TosLink audio outputs only
- Test Pattern mode for testing output signal integrity to the display
- Built-in Web GUI for LAN control
- Four methods of control: Front panel, RS232, IR and LAN



Specifications	Technical
HDMI Compliance	HDMI 2.0
HDCP Compliance	HDCP 2.2 and HDCP 1.4
Video Bandwidth	18Gbps
Video Resolution	4K2K 50/60Hz 4:4:4, 4K2K 50/60Hz 4:2:0, 4K2K 30Hz 4:4:4, 1080p, 1080i, 720p, 720i, 480p, 480i
	All HDMI 3D TV formats, All PC resolutions including 1920x1200
3D Support	Yes
Output Scaling	4K to 1080p, 4K to HDBaseT (Down-scale to no more than 10.2Gbps)
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Color Depth	8-bit, 10-bit, 12-bit [1080P, 4K30Hz, 4K60Hz (YCbCr 4:2:0)], 8-bit [4K60Hz (YCbCr 4:4:4)]
HDMI Audio Formats	PCM 2.0/5.1/7.1CH, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD, DSD
HDR Formats	HDR10, HDR10+, Dolby Vision, HLG
L/R Audio Formats	PCM 2.0CH
Optical Audio Formats	PCM 2.0, Dolby Digital/Plus, DTS
Audio Frequency Response	20Hz to 20kHz, ±3dB
RS232 Control	57600, No parity, 8 data bits, 1 stop bit, No handshaking
RS232-A and RS232-B	Configurable from 4800 to 115200 baud, 7 or 8 bits, none/odd/even parity, 1 or 2 stop bits
ESD Protection	±8kV (Air-gap discharge), ±4kV (Contact discharge)
Connections (Input Ports)	4x HDMI Type A [19-pin female]
Connections (Output Ports)	2x HDMI Type A [19-pin female], 2x L/R audio out [3-pin phoenix connector], 2x Optical audio out [S/PDIF], 2x RS232 A/B [3-pin phoenix connector]
Control Ports	1x LAN [RJ45], 3x RS232 [3-pin phoenix connector], 1x IR IN [3.5mm Stereo Mini-jack], 2x IR OUT A/B [3.5mm Stereo]
Housing	Metal Enclosure
Color	Black
Dimensions	218mm [W] × 140mm [D] × 43mm [H]
Weight	1050g
Power Supply	Input: AC 100-240V 50/60Hz; Output: DC 12V/1A (Locking connector)
Power Consumption (Max)	4.3W (Max)
Operation Temperature	32°F - 104°F (0°C - 40°C)
Storage Temperature	-4°F - 140°F (-20°C - 60°C)
Relative Humidity	20 - 90% RH (non-condensing)
Resolution / Cable Length (HDMI IN/OUT)	4K60 - 16ft / 5M, 4K30 - 32ft / 10M, 1080P60 - 50ft / 15M
Cable Recommendation	The use of "Premium High Speed HDMI" cable is highly recommended.