



4K 18G 4x4 HDMI Matrix Switcher with Audio

KD-MS4X4G

SKU: 22283 UPC: 815996020723

4x4 4K/18G HDMI Matrix Switchers, with Independent Audio Switching, Balanced/Unbalanced Audio, Audio De-embedding of Analog L/R/PCM

Features:

- **HDMI Matrix Switching:** 4 HDMI sources to 4 HDMI outputs
- **Ultra HD/4K Support:** 4096x2160 or 3840x2160 24/25/30/60hz at 4:4:4 (signals up to 18Gbps bandwidth)
- **HDCP Licensing:** Fully licensed and compatible with HDCP 2.2
- **HDR10 (High Dynamic Range):** More life-like images through a greater range of luminance levels
- **Resolution Support:** Supports all SD, HD, and VESA (VGA, SVGA, XGA, WXGA, SXGA, UXGA) up to 4096x2160p
- **Deep Color Support:** Up to UHD/4K 60Hz 4:2:0/12 bits, 60Hz 4:2:2/12 bits
- **Independent Audio and Video Matrix:** Output HDMI and Audio ports may switch together or independently
- **Full Buffer System™:** Manages TMDS re-clocking / signal re-generation, HDCP authentication to source & display, and EDID Control handshake
- **EDID:** Internal library with 15 internal EDID configurations per input, in addition to native EDID data for any Output/Display
- **TMDS re-clocking:** Long HDMI connectivity support with Key Digital® HDMI cables
- **Lossless Compressed Digital Audio:** Dolby® TrueHD, Dolby® Digital Plus, DTS-HD Master Audio™, and Dolby® Atmos
- **Control:** Front panel buttons/LEDs, Serial IR, Optical IR, RS-232 Control, and TCP/IP Control
- **Control System Support:** Key Digital® app ready. Key Digital Management Software™ Pro (KDMS™ Pro) ready, Compass Control® Pro ready. Fully controllable by all IR, RS-232, and TCP/IP supported control systems via open API.
- **Key Digital® App & KDMS® Pro Ready:** Scan & detect population for pre-built GUI and TCP/IP control via Key Digital® iOS App and Key Digital Management Software™ Pro (KDMS™ Pro) PC Software

Technical: Input (Each): 1 HDMI Connector, Type A, 19 Pin Female Output (Each): 1 HDMI Connector, Type A, 19 Pin Female Output (Each): Balanced/unbalanced line level audio on 6-pin terminal block. Drives 2VRMS line audio input with a sampling rate of 192KHz Output (each): RCA female for digital audio following SPDIF format (IEC 60958). Supports sampling rate up to 192KHz Video Bandwidth: TMDS bandwidth 10.2 Gbps DDC Signal (Data): Input DDC Signal - 5 Volts p-p (TTL) HDMI Video/Audio Signal: Input Video Signal - 1.2 Volts p-p DDC Communication: EDID and HDCP Bi-directional buffering to Display and Source K-Factor: 0.22% @ optimal EQ » Video Isolation (Crosstalk): -45dB @ 5MHz Analog Audio Max Output Level: 4dBu on 150k Ω , DC coupling Audio Bandwidth: 20Hz to 20kHz @ 0dBu TND + Noise: 0.33% @ 0dBu @ 1kHz » PCM Max Input Level: 1Vpp on 75 Ω , AC coupling PCM Max Output Level: 1Vpp on 75 Ω , DC coupling Wired IR: modulated IR signal input, 0-5V TTL or -10 to +10V Power: 12V/3.3A (40W) AC Power Supply with Grounded, 2.1mm ID DC Power Jack with Screw In Type General: Regulation: CE, RoHS, WEEE Rack Mount: 1U, 1 Rack Width (rack ears included) Enclosure: Black Metal KD-MS4x4G Dimensions: L = 17.32 W = 5.78 H = 1.72 KD-MS8x8G Dimensions: L = 17.32 W = 7.27 H = 1.72" Shipping Carton Dimensions: L = 23.4 W = 8.54 H = 2.36 Product Weight: 6 lb Shipping Weight: 9 Accessories: IR Remote, UL Certified Power Supply