

Ultra-Fast 4x4 HDMI 2.0 Matrix Switcher with 4K/60Hz

Cross-Switch four HDMI sources to four 4K displays with HDCP2.2

MPN: **HDMX44-18G**



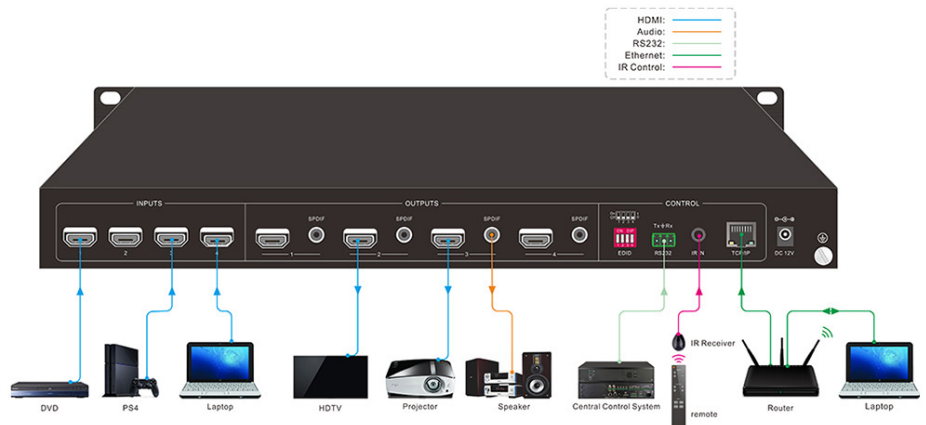
The **KanexPro HDMX44-18G** is a professional 4-input, 4-output HDMI matrix featuring HDCP 2.2 with the latest HDMI 2.0 specifications supporting ultra HD resolutions up to 4K @60Hz. This matrix switcher supports switching speeds to less than 0.2 seconds and also provides 4-additional audio ports via S/PDIF connectors to support audio de-embedding from HDMI. It can be fully controlled via RS-232, IR and Web based GUI using Ethernet where end-users can switch, control and manage the matrix using graphical and visual indicators right from the computer or touch-panel.

Applications:

The KanexPro HDMX44-18G matrix switcher is ideal for numerous commercial applications such as military, medical and government audio-video environments, where swift, reliable switching and distribution of high-resolution HDMI signal is critical to meet pixel-by-pixel needs.

FEATURES

- Cross-switch 4 HDMI inputs to 4 HDMI outputs with 4K @60Hz
- Four independent S/PDIF audio for Audio De-embedding from HDMI
- Distribute 4Kx2K@60Hz signal up to 10m
- Supports 4:2:2 color sampling rate with 10 bit HDR
- Supports standard 1080p & WUXGA resolutions up to 2560x1080@60Hz
- HDCP 2.2 Compliant
- Smart EDID DIP switch for proper display output
- Supports latest High Speed HDMI Specifications
- Supports Dolby Digital, DTS, DTS-HD
- Control thru front-panel keys, IR, RS-232 & Web based GUI
- Front-panel LCD screen provides real-time I/O connection status
- Firmware upgrade via micro USB port
- 1U (19") rack mountable aluminum enclosure
- Built-in web GUI for control
- Locking HDMI & power supply
- Universal RS-232 code compatible with any 3rd party control systems
- Internal Universal power for worldwide compatibility



VIDEO INPUT		VIDEO OUTPUT	
Input	4 HDMI	Output	4 HDMI
Input Connector	Female Type-A HDMI	Output Connector	Female Type-A HDMI 3.5mm, RCA connector
Input Level	T.M.D.S. 2.9V/3.3V	Output Level	T.M.D.S. 2.9V/3.3V
Input Impedence	75Ω	Output Impedence	75Ω
VIDEO GENERAL			
Gain	0 dB	Bandwidth	18 Gbps
Video Signal	HDMI	Maximum Pixel Clock	165MHz
Supported Resolutions	4K	4096x2160 (30,50,60 Hz), 3840x2160 (24,25,30 50 60 Hz)	Switching Speed 200ns (Max.) 0-2 seconds
	21:9	2560x1080 (60Hz)	
	16:9	1920x1080(1080P 3D), 1600x900, 1366x768, 1280x720, 1024x576 (60Hz)	
	16:10	1920x1200, 1680x1050, 1440x900, 1360x768, 1280x800 (60Hz)	
	4:3	1600x1200, 1400x1050, 1280x1204, 1024x768, 800x600, 640x480 (60Hz)	
Consumer Electronics Control (CEC)	Supports CEC via infrared data pass-through		
EDID and DDC Management	Built-in EDID data and manual management via DIP Switch and Display Data Channel (DDC) data using DVI and HDMI standards, EDID and DDC signals are actively buffered.The built-in EDID/DDC database can analyze these two signals, mix them, and realize the handshake internally.		
HDCP Management	Compliant with High-bandwidth Digital Content Protection (HDCP 2.2) using HDMI 2.0 standards. The built-in HDCP management technology can analyze HDCP key authentication, and realize handshake internally.		
AUDIO GENERAL			
Digital Audio Output	Supports HDMI audio transmitted through the RGB and Y, Cr, Cb lines, actively buffered Supports De-embedded SPDIF audio via digital coaxial output		
CONTROL PARTS			
Serial Control Port	RS-232, 9-pin female D connector	Pin Configurations	2 = TX, 3 = RX, 5 = GND
IR Remote	Default IR remote	Front Panel Control	Buttons
Ethernet (RJ-45)	TCP/IP control via Ethernet Controller & Web Based GUI		
GENERAL			
Power Supply	DC 12V,2A	Power Consumption	Full load: 13.3W Standby: 4.4W
Temperature	-20 ~ +70?	Humidity	10% - 90%
Case Dimension	W19 x H1.73 x D9.25 in. (1U high, full rack wide)	Product Weight	2.57 lbs