

## 4x2 HDMI® 4K/60 Matrix Switcher w/ HDR & EDID Management

Cross switch 4-HDMI sources to 2-HDMI displays w/4K/60Hz + HDR + Control

MPN: HDMX42-18G



4K  
ULTRA HD

The **KanexPro HDMX42-18G** is an easy to use, cost-effective 4K/60Hz with 4:4:4, 16-bit Deep Color, HDR (High Dynamic Range) and HD audio formats based on HDMI 2.0 specs. Designed with 4-inputs and 2-outputs. For swift switching and routing of any HDMI sources such as laptops, Blu-ray players, and 4K based Apple TV to any four displays. This matrix switcher is HDCP 2.2 compliant and supports 4K@60Hz, 4:2:0 video. it can be controlled via front panel buttons, IR remote and RS232 commands.

### EDID Management & Control

Includes five pre-defined internal EDIDs and two external EDID options are available for EDID management. The unit provides intuitive front panel controls as well as RS-232, Telnet, WebGUI and IR remote control options.

### Applications:

Ideal for classrooms, corporate offices, retail stores and home theaters where there is a need to route four HDMI sources to two 4K/60 displays.

## FEATURES

- Switch 4 HDMI devices to 2 Displays with 4K/60 + HDR & 4:4:4
- Supports the matrix routing of four 18Gbps HDMI inputs to two 18Gbps HDMI outputs
- Supports resolutions up to 4096x2160@60Hz (4:4:4, 8-bit)
- HDMI 2.0 and DVI 1.0 compliant
- HDCP 1.4 and 2.2 compliant
- Maximum data rate up to 18Gbps with Deep Color support up to 16-bit at 1080p
- Supports pass-through of LPCM 7.1, Bit stream and HD Bit stream audio formats
- Supports EDID management via five pre-defined internal EDIDs and two external EDID options
- Multiple control interfaces including RS-232, Telnet, WebGUI and IR remote
- Backed by KanexPro 3-year parts and labor warranty

## SPECIFICATIONS

**Video Bandwidth:** 600MHz/18Gbps

**Input Ports:** 4 x HDMI

**Output Ports:** 2 x HDMI

### Control Interfaces:

1 x IR Extender (3.5mm) 1 x RS-232 (9-pin D-sub) 1 x IP Control (RJ45)

**Output Signal:** 1 x HDBaseT

**Output Connector:** 1 x RJ-45

### Supported Resolutions:

480i@60Hz - 4K@60Hz (4:4:4, 8-bit)  
VGA@60Hz - WUXGA@60Hz (RB)

### HDMI Cable Length:

10m (1080p@60Hz, 12-bit)  
3m (4K@60Hz, 4:4:4, 8-bit)

### IR Frequency:

30 - 50kHz (30 - 60kHz under ideal conditions)

**Baud Rate:** 115200bps

### Power Supply:

5V/2.6A DC (US/EU standards, CE/FCC/UL certified)

### ESD Protection:

±12kV (Air Discharge)  
±8kV (Contact Discharge)

### Dimensions:

Case Only: 9.4" x 1.8" x 4.4" (WxHxD)  
[All Inclusive]

**Weight:** (1.75 lbs) 796g

**Chassis Material:** Metal

**Silkscreen Color:** Silver

### Operating 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)

**Power Consumption:** 7.106 Watts

DIAGRAM

