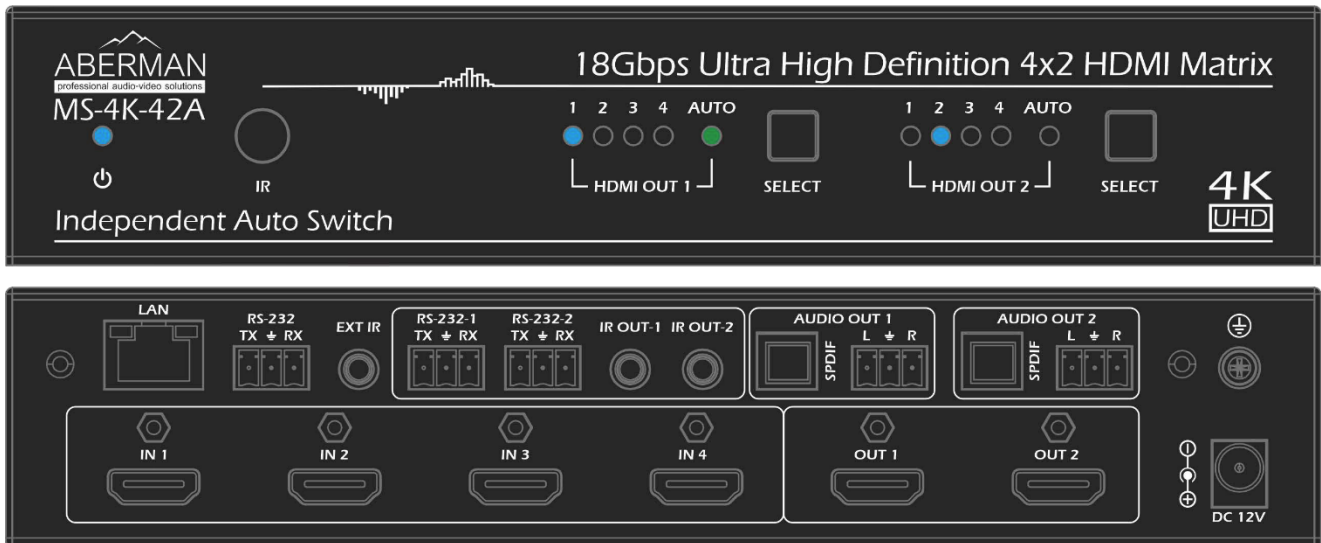


# HDMI Matrix Switcher



## MS-4K-42A



MS-4K-42A – is an 18Gbps 4x2 UHD Matrix Router. The device contains 4 inputs and 2 outputs. Each input and output supports up to 4K60 444 resolution and HDCP 2.2. The outputs can be individually scaled for 1080p. De-embedded audio as analog L/R and optical TOSlink is available for both outputs. With its 18Gbps bandwidth and the additional features with latest HDMI standards. 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, RS-232, IR remote, or TCP/IP. Simple and powerful control abilities allow using unit in any modern system, thanks to IP and RS232 interfaces with open API. Unit housed in robust metal case good enough for protecting and cooling the system components. The device can optionally be installed in a standard 19" rack using a special adapter.

### Features:

- Four 18G HDMI 2.0 video inputs support up to 4K60 444 resolution
- Two 18G HDMI 2.0 video outputs support up to 4K60 444 resolution
- Two outputs can be individually scaled for 4K→1080p or HDBaseT mode
- Test Pattern mode for testing output signal integrity to the display
- Automatic RS232, CEC and IR control of the display device power state
- De-embedded audio to analog L/R and optical TOSlink ports output
- ARC decoding to the TOSlink audio outputs only
- Built-in Web GUI for TCP/IP control
- Four methods of control: Front panel, RS-232, IR remote and TCP/IP
- Compact design for easy and flexible installation

### Package Contents:

- 1 x 4x2 HDMI 2.0 18Gbps Matrix Switcher
- 1 x Power adapter 12V/1A
- 1x IR Remote
- 2x Mounting Ears
- 2x IR Blaster Cables (1.5 meters)
- 1x 20~60KHz IR Receiver Cable (1.5 meters)
- 5x 3-pin Phoenix Connector
- 1x User Manual

# Modular Matrix



## Specification:

|                                |                                                                  |
|--------------------------------|------------------------------------------------------------------|
| SKU                            | MS-4K-42A                                                        |
| Type                           | HDMI Matrix Switcher                                             |
| HDMI Compliance                | HDMI2.0                                                          |
| HDCP Compliance                | HDCP1.4/2.2                                                      |
| Bandwidth                      | 18Gbps                                                           |
| Color Scales, Subsampling      | RGB, YUV, 4:2:0, 4:2:2, 4:4:4                                    |
| Supported Resolutions          | 480i, 480p, 576i, 576p, 720p, 1080i, 1080p, 3840x2160, 4096x2160 |
| Supported Modes                | Matrix/ARC                                                       |
| Control Ways                   | Front Control, IR, Open API, GUI                                 |
| RS232                          | 57600 Baud, data bit 8, stop bit 1, no parity                    |
| IP Ethernet Network Compliance | 1x TCP/IP, 10/100Mbit, RJ45                                      |
| Mechanical                     |                                                                  |
| Input / Output                 | 4 / 2                                                            |
| Power Supply                   | DC 12V/1A                                                        |
| ESD Protection                 | ±8kV air-gap, ±4kV contact (human body model discharge)          |
| Enclosure Material             | Metal                                                            |
| Finished Colour                | Black                                                            |
| Rack Mount                     | 1U                                                               |
| Dimension                      | 218x140x43mm                                                     |
| Weight                         | 1050 g                                                           |
| Operating Temperature          | 0°C ~ 40°C                                                       |
| Storage Temperature            | -20°C ~ 60°C                                                     |
| Relative Humidity              | 20%~90% (non-condensing)                                         |

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