

# MP-HD-42ARC

4x2 HDMI 2.0 Presentation Switcher with Matrix Outputs



Product Front & Rear Views

## PRODUCT OVERVIEW

The MP-HD-42ARC is a 4x2 HDMI 2.0 presentation switcher with four HDMI inputs and two HDMI matrix outputs. It supports HDMI 2.0b, up to 4K@60Hz 4:4:4 8-bit, HDR10 and HDCP 2.2, with 4K-to-1080p down-scaling on Output A.

## KEY FEATURES

- 4x2 HDMI presentation switcher with matrix outputs.
- HDMI 2.0b; 4K@60Hz 4:4:4 8-bit; HDR10; HDCP 2.2.
- 4K to 1080p down-scaling on Output A.
- SPDIF and 3.5mm outputs for HDMI de-embedded/ARC audio.
- RS232, IR and TCP/IP control.
- Smart EDID management.

# MP-HD-42ARC

## Technical Specifications

### VIDEO

| Parameter         | Specification                                                                                                                      |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Video Inputs      | 4 × HDMI                                                                                                                           |
| Input Connector   | 4 × Type-A female HDMI                                                                                                             |
| Input Resolution  | Up to 4K@60Hz 4:4:4 8-bit                                                                                                          |
| HDMI Audio Format | Dolby Atmos, Dolby TrueHD, Dolby Digital Plus, Dolby Digital, DTS-X, DTS-HD Master Audio, DTS 5.1, 2-8Ch PCM 32-192kHz, 16-24 bits |
| Video Outputs     | 2 × HDMI                                                                                                                           |
| Output Connector  | 2 × Type-A female HDMI                                                                                                             |
| Output A          | Up to 4K@60Hz 4:4:4 8-bit; HDR10; Dolby Vision; 4K-to-1080p down-scaling                                                           |
| Output B          | Up to 4K@60Hz 4:4:4 8-bit; HDR; Dolby Vision                                                                                       |
| HDMI Version      | Up to 2.0                                                                                                                          |
| HDCP Version      | Up to 2.2                                                                                                                          |
| Bandwidth         | 18 Gbps                                                                                                                            |

### AUDIO

| Parameter                 | Specification               |
|---------------------------|-----------------------------|
| Digital Audio Output      | 1 × SPDIF audio             |
| SPDIF Connector           | 1 × Toslink                 |
| SPDIF Frequency Response  | 20 Hz-20 kHz, ±1 dB         |
| SPDIF THD+N               | < 0.05%                     |
| SPDIF SNR                 | > 90 dB                     |
| Analog Audio Output       | 1 × unbalanced analog audio |
| Analog Connector          | 1 × 3.5 mm jack             |
| Analog Frequency Response | 20 Hz-20 kHz, ±1 dB         |
| Max Analog Output         | 2.0 Vrms ± 0.5 dB           |
| Analog THD+N              | < 0.05%                     |
| Analog SNR                | > 80 dB                     |

# MP-HD-42ARC

Control, Environmental & Package Information

## CONTROL & CONNECTIVITY

| Parameter          | Specification                                                                                       |
|--------------------|-----------------------------------------------------------------------------------------------------|
| Control Ports      | EDID Switch, FW, RS232, IR IN, TCP/IP                                                               |
| Control Connectors | 4-pin DIP switch, Micro-USB, 3-pin terminal block, 3.5 mm jack, RJ45                                |
| RS232 Default      | 9600 baud, 8 data bits, 1 stop bit, no parity                                                       |
| Web Control        | TCP/IP control; default IP 192.168.0.178; subnet mask 255.255.255.0                                 |
| EDID Modes         | Pass-through; 1920×1080@60Hz; 3840×2160@30Hz; 3840×2160@30Hz HDR; 3840×2160@60Hz; user-defined EDID |

## GENERAL

| Parameter              | Specification                                  |
|------------------------|------------------------------------------------|
| Operating Temperature  | -5°C to +55°C                                  |
| Storage Temperature    | -25°C to +70°C                                 |
| Relative Humidity      | 10%–90%                                        |
| Power Supply           | Input: AC 100–240V, 50/60Hz; Output: 12V DC 1A |
| Power Consumption      | 7.5 W (Max)                                    |
| Dimensions (W × H × D) | 200 × 28.5 × 100 mm                            |
| Net Weight             | 605 g                                          |

## PACKAGE CONTENTS

- 1 × MP-HD-42ARC 4x2 HDMI 2.0 presentation switcher
- 2 × Mounting ears with 4 screws
- 4 × Plastic cushions
- 1 × IR remote
- 1 × IR receiver
- 1 × 3-pin terminal block
- 1 × Power adapter (12V DC, 1A)
- 1 × User manual