

Technical Specifications

Specification	Details
Video Input	4 × HDMI
Video Output	4 × HDMI
HDMI Version	HDMI 1.4
HDCP Version	HDCP 1.3
Maximum Resolution	Up to 4K@30Hz 4:4:4
Analog Audio Output	4 × analog audio
Audio Output Ports	4 × 3.5mm audio jack
Audio Format	PCM
Control	1 × RS232-IN; 2 × RS232-OUT; 1 × TCP/IP; front-panel buttons
Control Ports	1 × DB9 female; 1 × DB9 male; 2 × RJ45
Front Panel Controls	14 × illuminated buttons
4K Transmission Distance	≤ 5m
1080p Transmission Distance	< 15m
Operating Temperature	0°C to +40°C
Storage Temperature	−10°C to +50°C
Relative Humidity	10% to 90%
Power Supply	DC 5V 1A external power supply
Dimensions (W×H×D)	483 × 44 × 236mm
Net Weight	2.55kg

Output Resolution Selection

No.	Output Resolution
1	1920×1200@60Hz
2	1920×1080@60Hz
3	1280×720@60Hz
4	1360×768@60Hz
5	1280×1024@60Hz
6	1024×768@60Hz
7	1600×1200@60Hz
8	1440×900@60Hz
9	1600×900@60Hz
10	1280×720@50Hz
11	1920×1080@50Hz
12	3840×2160@30Hz

Audio

Four analog audio outputs are available through 3.5mm jacks. The manual specifies PCM audio and HDMI audio de-embedding to the analog outputs.

Control & Configuration

Front Panel

Item	Function
LCD	Displays device information and status.
Power Indicator	Red LED indicates working/standby; off when power is off.
INPUT	4 illuminated buttons for selecting input channels.
OUTPUT	4 illuminated buttons for selecting output channels.
MENU	All, Lock/Unlock, Mode, Enter, Scene and Clear functions.
POWER	Rocker switch for power control.

Rear Panel

Interface	Function
4 × HDMI IN	Connect HDMI source devices.
4 × HDMI OUT	Connect HDMI display devices.
4 × 3.5mm Audio OUT	Analog output from HDMI audio de-embedding.
RS232-IN	DB9 female port for host control.
RS232-OUT	DB9 male and RJ45 ports for peripherals.
TCP/IP	RJ45 port with LED for Web-GUI control.
DC 5V	5V 1A power input.
GND	Ground terminal.

Web-GUI & Network Control

The Web-GUI provides Matrix control, Video Wall configuration, Multiview layout selection, RS-232 command control, CEC control, network settings and security functions. DHCP and static IP modes are supported; the manual states Static IP is the default mode.

RS-232 Control

Recommended RS-232 settings: **115200 baud, 8 data bits, 1 stop bit, no parity**. The device supports bidirectional RS-232 control, including local control and RS-232 pass-through/control of connected peripherals depending on the selected mode.

EDID Management

- 7 built-in EDID profiles plus 4 user-defined/custom EDIDs.
- EDID can be recalled per input.
- EDID learning from output 1–4 is supported.
- Built-in profiles include 1024×768@60Hz through 3840×2160@30Hz with PCM 2.0.

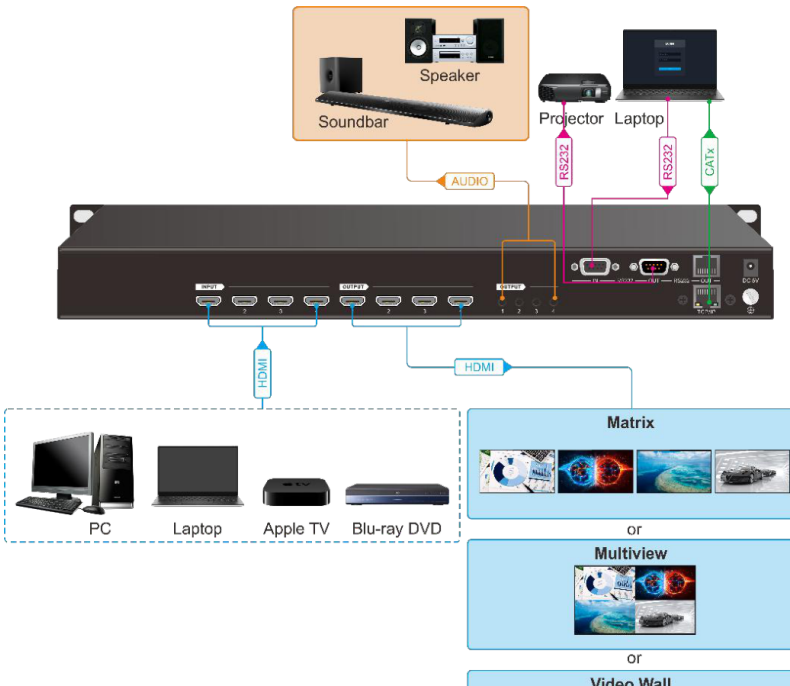
System Connection & Applications

System Diagram

The system diagram on page 5 of the supplied manual shows HDMI sources including a PC, laptop, Apple TV and Blu-ray/DVD player feeding the matrix. Outputs can be configured for Matrix, Multiview or Video Wall operation, with audio routed to a soundbar/speaker and video to a projector/display.

- All of the power switches, plugs, sockets, and power cords should be insulated and safe.
- All devices should be connected before power on.

4.2 System Diagram



Operating Modes

Mode	Description
Matrix	Route any input to one or more selected outputs.
Multiview	Choose from 12 available Multiview layouts.
Video Wall	Configure Video Wall layouts with adjustable bezel parameters.

Package Contents

Qty.	Item
1	MP-44MV-VW-4K
1	Power Adapter
1	RS-232 Cable
4	Trapezoid Feet
1	User Manual

Warranty

Limited warranty period: **3 years**, subject to the terms and exclusions stated in the supplied manual.

Source: Prepared from the supplied MP-44MV-VW-4K user manual. Product image: manual cover, page 1. System diagram: System Connection, page 5 of the manual (PDF page 9).