



HDMI® MATRIX 4x2 with EDID Control

SKU: 31001072

User's Manual

Thank you for purchasing HDMI® Matrix 4x2 with EDID Control. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

INTRODUCTION

This is a high performance HDMI Matrix with 4 HDMI inputs & 2 outputs, it allows any source (Blu-ray disc™ player, HD DVD player, satellite receiver, game console, etc.) to be shown on either or both of two displays simultaneously. It supports 4K, 3D, and 12-bits/channel Deep Color. With its 3Gbps bandwidth and the additional features of the latest HDMI standards, you can be sure of great HDMI distribution.

FEATURES

1. Support display resolutions up to 4K@30Hz, 1080p@120Hz, & 3D-1080p@60Hz
2. 3D video support including frame packing for all 3D formats up to a 297MHz TMDS clock
3. Supports deep color up to 48-bit per pixel
4. Supports any audio data conforming to the HDMI specification, such as LPCM at up to 192kHz, compressed audio (IEC 61937), DSD, DST, DTS®, and HBR

5. Full color standard support, including sYCC601, Adobe RGB, Adobe YCC601, and xvYCC extended gamut color
6. Operates for TMDS clock frequencies up to 300MHz
7. Supports EDID control via EDID Selector

PACKAGE CONTENTS

1x HDMI Matrix

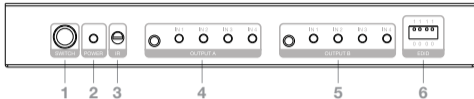
1x 5V 1A DC Power Supply adapter

1x Remote Controller

User's Manual

PRODUCT OVERVIEW

Front Panel



1. ON/OFF Button
2. Power - Illuminates when connected with power supply
3. IR - Receives remote control signal
4. Output A - Input sources can be selected
5. Output B - Input sources can be selected
6. EDID Selector - HDMI output signal format can be selected

Rear Panel



1. HDMI Output ports - Connect TV or monitors
2. HDMI Input ports - Connect HDMI devices
3. DC IN - Plug in included power adapter

REMOTE CONTROL



OUTPUT A

- Press buttons will quickly switch to desired input source.
- ◀▶ buttons will cycle through input sources connected to OUTPUT A.

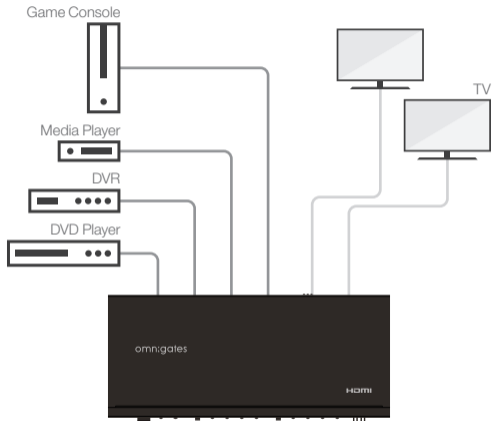
OUTPUT B

- Press buttons will quickly switch to desired input source.
- ◀▶ buttons will cycle through input sources connected to OUTPUT B.

EDID

Number	EDID Selector	Description
1	0000	1080P, Stereo Audio 2.0
2	0001	1080P, Dolby/DTS 5.1
3	0010	1080P, HD Audio 7.1
4	0011	1080I, Stereo Audio 2.0
5	0100	1080I, Dolby/DTS 5.1
6	0101	1080I, HD Audio 7.1
7	0110	3D, Stereo Audio 2.0
8	0111	3D, Dolby/DTS 5.1
9	1000	3D, HD Audio 7.1
10	1001	4K2K, Stereo Audio 2.0
11	1010	4K2K, Dolby/DTS 5.1
12	1011	4K2K, HD Audio 7.1
13	1100	Reserve
14	1101	Reserve
15	1110	Reserve
16	1111	Auto mode (default)

CONNECTION DIAGRAM



SPECIFICATIONS

Frequency Bandwidth	: 2.97Gbps
Input	: 4 HDMI ports
Output	: 2 HDMI ports
ESD Protection	: $\pm 8\text{kV}$ (Air-gap discharge) / $\pm 4\text{kV}$ (Contact discharge)
Dimensions	: 3.3" x 7.6" x 1.0"
Weight	: 450g
Power Consumption	: 5W
Operation Temperature	: 32°F ~ 104°F (0°C ~ 40°C)
Storage Temperature	: -4°F ~ 140°F (-20°C ~ 60°C)
Relative Humidity	: 20 ~ 90% RH (Non-condensing)

REGULATORY COMPLIANCE

Notice for FCC



This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Modifying the equipment without Omnigates' authorization may result in the equipment no longer complying with FCC requirements for Class B digital devices. In that event, your right to use the equipment may be limited by FCC regulations, and you may be required to correct any interference to radio or television communications at your own expense.

This Equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Radio Notice for FCC

Caution

This FCC Part 15 radio device operates on a non-interference basis with other devices operating at this frequency. Any changes or modification to said product not expressly approved by Omnigates, including the use of non-approved antennas, could void the user's authority to operate this device.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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