USER MANUAL

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HDMI™ Matrix Switch 4x4 Support 4K@30Hz

Dear Customer

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

1.0 Introduction

The 4x4 HDMI™ Matrix (with RS232) lets you share up to 4 distinct HDMI™ or DVI inputs (using DVI to HDMI™ adapters - not included), with audio, between 4 independent displays or projectors. Providing convenient front push-button and RS232 PC software control, this matrix switch allows each input and the corresponding audio to be switched individually, meaning that different A/V sources can be shown on each output, or a single source can be output to several offering maximum flexibility. The matrix features front LED display for easy status monitoring, plus an included remote control for simple control from a distance.

2.0 Feature

* Matrix switching functionality gives you full control of the video source displayed on each monitor
* Allow any source to be displayed on multiple displays at the same time
* Maintain highest resolution up to 4K@30Hz
* Supports uncompressed audio such as LPCM 7.1
* Support compressed audio such as DTS, Dolby Digital (including DTS-HD Master Audio™ and Dolby TrueHD)
* Front panel push-buttons, RS-232 PC port and IR remote included for simple control and flexible switching options
* Support Full-3D and HDCP

Note: Dolby is a trademark of Dolby Laboratories.

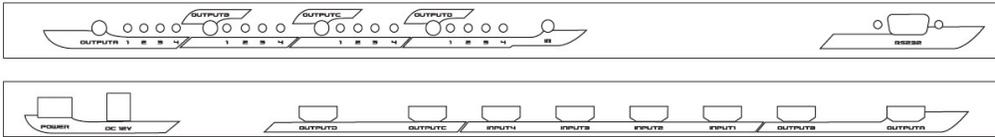**Note:** The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

3.0 Specification

Signal Input	HDMI signal
Output Video	HDMI signal
Vertical Frequency Range	50/60Hz
Video Amplifier Bandwidth	3.4Gbps/340MHz
Interlaced Resolutions(50&60Hz)	480i,576i,1080i
Progressive Resolutions(50&60Hz)	480p,576p,720p,1080p,4K@30Hz
Limited Warranty	1 Year Parts and Labor
Operating Temperature	0℃ to 70℃
Operating Humidity	10% to 85% RH (no condensation)
Storage Temperature	-10℃ to +80℃
Storage Humidity	5% to 90% RH (no condensation)
Power Supply	12V DC@2A
Power Consumption (Max)	12W
Matrix Unit Cert	FCC,CE, RoHS
Power Supply Cert	CE,FCC, RoHS
User Manual	English Version

Note: Specification is subject to change without notice.

4.0 Package Content

l) Main Unit

2) 12V DC Power Supply

3) Remote Control

4) CD-ROM

5) Mounting Ears x2

6) Rubber Foot Pads x4

5.0 Panel Description

6.0 Connection and Operation

1) Connect all source devices to the HDMI inputs on the matrix

2) Connect the HDMI/DVI displays to the outputs on the matrix.

3) Connect the 12VDC power supply to the matrix.

Attention: Insert / Extract cable gently.

Operation

1)   The Memory Function

The matrix will remember the Input-to-Output connected states before power off. When restart, it will display as the same state.

2)   Panel Button Switch

Four buttons on the matrix are used to select source devices circularly for outputs A. B. C, and D. Once you press the button, it will select next available source circularly (input1>2>3>4>turn off).
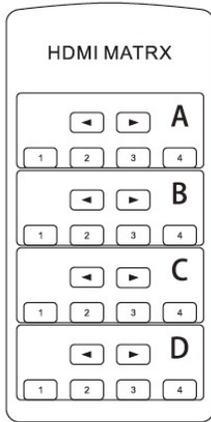
3) IR Remote Control Switch

" ►": Press to select the next input source circularly (input1>2>3>4>turn off)

"◄ ": Press to select the previous input source circularly (input1<2<3<4<turn off)
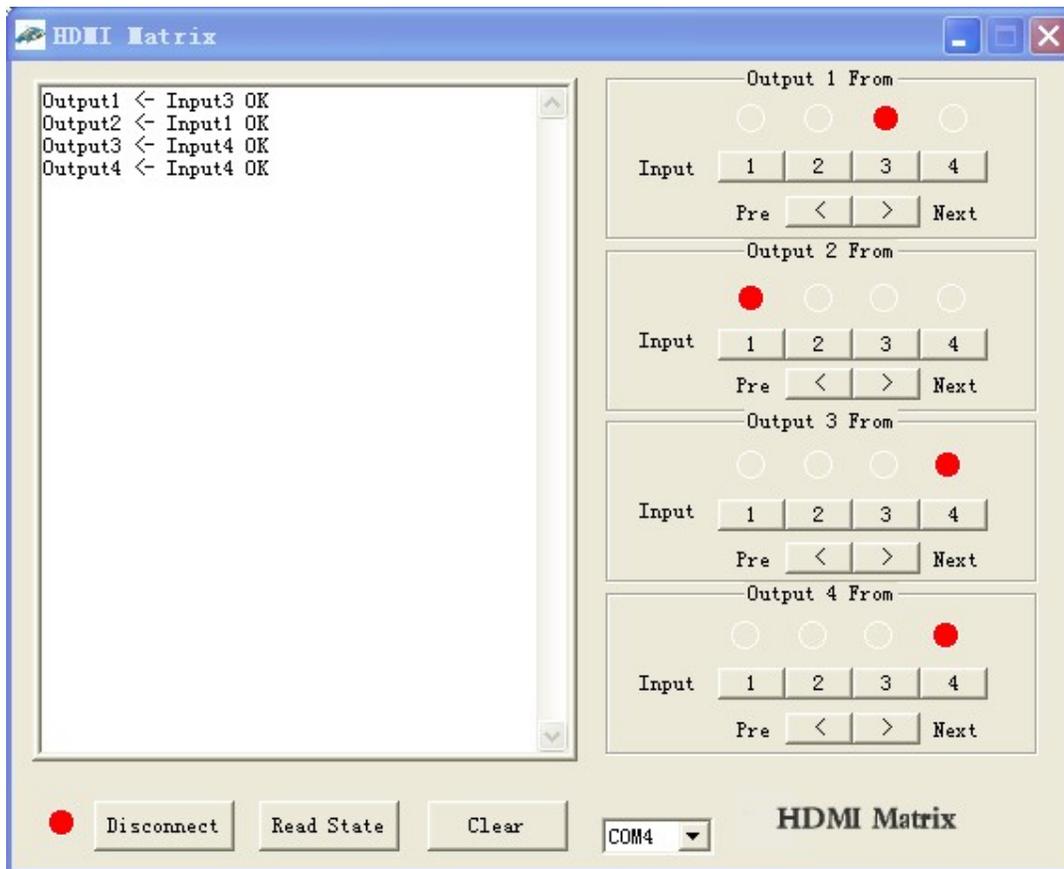
A, B, C, D: Output A, B, C, D

Number 1, 2, 3, 4: Press number 1,2,3,4 to select input device for each output accordingly.

4) RS232 Software Control

RS232 remote operation is only applicable for the software "HDMI Matrix.exe" of Windows XP operation system. Once the software is installed and the matrix switch is properly connected to the host computer, launch the HDMI Matrix software to bring up the main control panel.

"＞": Press to select the next input source circularly (input1>2>3>4>turn off)

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"＜": Press to select the previous input source circularly (input1＜2＜3＜4＜turn off)

Number 1, 2, 3, 4: Press number 1,2,3,4 to select input device for each output accordingly.

"Connect/Disconnect": Click "Connect" to connect the software with the matrix via the RS232 port, click "Disconnect" to disconnect software with the matrix via the RS232 port.

"Read State": Click the button to display the current status and Input-to-Output display relationships on the blank area.

"Clear": Click the button to remove the current state information on the blank area.

6.1 Connection Diagram

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