

# HDMI 4 Matrix

## Instructions

### INTRODUCTION

#### 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.

Our series of HDMI converters, switchers, extenders, matrixes and splitters are designed to make your A/V device using more convenient, more comfortable, more productive and more cost-efficient. This Matrix 4x2 can connect four high definition sources and two sinks with audio output optical or stereo simultaneously. It can easily switch or split four high definition video sources to two compatible displays or projectors. The Optical and stereo audio output can extract audio signal from output A.

Our devices offers solutions for noise, space and security concerns, data center control, information distribution, conference room presentation, school and corporate training environments.

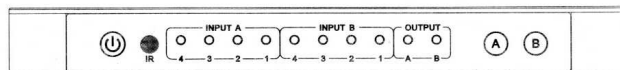
#### Features

- Four HDMI input signals switched or split to two HDMI sink devices.
- Output A is with audio output through SDPIF and R/L Stereo.
- Audio sync separator output can be achieved with 2CH, 5.1CH, Pass three audio modes selectable.
- Supports 3D.
- Supports 4K x 2K.
- With HDMI-CEC function.
- Supports deep color 30bit, 36bit.
- Supports Blue-Ray 24/50/60fps/HD-DVD/xvYCC.
- Digital audio format, as DTS-HD/Dolby-trueHD/LPCM7.1/Dolby-AC3/DSD.
- Supports signal retiming.
- Supports input up to 15 metres (AWG24 HDMI standard cable length) output up to 20 metres AWG24 cable length.
- Inputs can be switched with the IR remote control, also can be controlled by two buttons.
- MHL interface RCP function, OUT A supports RCP function. Through the TV remote control to realize the control of the mobile device and matrix switch (mobile devices should support RCP function and TV support CEC function).
- MHL/HDMI two working mode. Two inputs combined in one, effectively reduce the input ports.
- It can come back to the return to default input 1 when restart or reset.
- LED indicator: When any one of the input of sources is selected, the relative input LED indicator will be on. When either of the output is selected, the relative output LED indicator will be on.
- No loss of quality.
- Install in minutes.
- Need DC 5V/3A power supply.

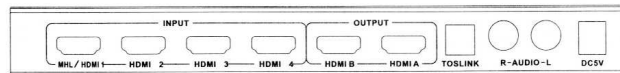
#### Accessories with the device

- |                      |    |
|----------------------|----|
| 1. 5V Power Adaptor  | x1 |
| 2. Remote controller | x1 |
| 3. User manual       | x1 |
| 4. MHL-HDMI Cable    | x1 |

#### Buttons, LED and connection ports



- ⏻ : Power Switch
- IR: IR Receiver
- INPUT A(1-4): 1-4 input LED indicator light
- INPUT B(1-4): 1-4 input LED indicator light
- A: HDMI A output LED indicator light
- B: HDMI B output LED indicator Light
- ⓐ : HDMI A output switch button
- ⓑ : HDMI B output switch button



- MHL/HDMI 1: MHL/HDMI input
- HDMI 2-HDMI 4: HDMI input
- HDMI A: HDMI A output
- HDMI B: HDMI B output
- TOSLINK: TOSLINK optical output
- R-AUDIO-L: RCA audio signal output
- DC 5V: DV 5V power input

#### Operation and Connection

1. Connect HDMI sources devices with HDMI Matrix inputs using an HDMI cable or an MHL-HDMI cable.
2. Connect display (monitor or projector) with the HDMI Matrix outputs using HDMI cable.
3. Connect audio output TOSLINK or R/L with audio equipment.
4. Use the remote controller to switch between sources.
5. Connect 5V power supply to the HDMI 4x2 HIFI Maxtrix.
6. After set sync with the MHL devices in the TV menu, it can realize the function of control the mobile device or select the input sources. TV should have the CEC function. Mobile device should have the RCP function.

#### Specifications

HDMI resolution.....	24/50/60fps/480i/480p/576i/576p/720p/1080i/1080p
Support video color format.....	24 bit/deep color 30bit, 36bit, 48bit
Support audio format.....	DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby-AC3/DSD
Audio output.....	SPDIF and 3.5mm Stereo
Max transmission bandwidth.....	340MHz
Max baud rate.....	10.2Gbps
Input/Output TMDS signal.....	0.5~1.5Volts p-p
Input/Output DDC signal.....	5Voltsv p-p(TTL)
Input cable distance.....	≤15m AWG24 HDMI standard cable
Output cable distance.....	≤25m AWG24 HDMI standard cable
Max working current.....	1300mA
Power adapter format.....	Input:AC(50Hz,60Hz)100V-240V;Output:DC5V/3A
Operating Temperature range.....	(-15 to +55℃)
Operating Humidity range.....	5 to 90%RH(No Condensation)
Dimension(LxWxH).....	218x106x28mm
Weight.....	318g

#### IR Remote Operating Instruction

1. Firstly take off the plastic film that inserted in the rear of remote controller.
2. The A and B signifies the HDMI output A and output B.
3. If you want signal output from A, just press the numbers on the remote controller below Line A. e.g. press the number "2" below line A, the signal input connected with input "2" will output from output A.
4. ARC: Audio return switch (only the OUT-A output port support this feature).
5. SPDIF: SPDIF and Headset audio ON/OFF switch.
6. 2CH: 2 channel stereo mode.
7. 5.1CH: 5.1 channel mode.
8. AUDIO COPY: Read EDID from sink devices automatically.