

HDMI Matrix

Operating Instruction

4 by 2 HDMI Matrix

Manual Version:Release 1013

Notice

The information in this document is subject to change without notice. Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute the warranty of any kind, express or implied.

Features

- Routes four Ultra Hi-Def sources to two Ultra HD displays simultaneously.
- Supports resolutions up to Ultra HD 4K x 2K (3840 x 2160 @ 30Hz) and 1080p Full HD (HDMI 1.4V)
- Supports 36 bit Deep Color
- Supports PCM , Dolby Digital™, and DTS Digital Surround™ ®
- Audio SPDIF(Coaxial and optical) signal output and Output A signal is simultaneous.
- Support HDMI input/output cable 10 to 15 meters at 1080p/8-bit resolution
- Input port 1 is compliant with MHL2.0 specification
- Support CEC function (including Input port 1-4 and Output A)
- Support HDMI1.4 ARC(Audio return channel) RX (Output A)
- 3DTV pass-through
- IR remote control
- Surface-mounting ears

Package Contents

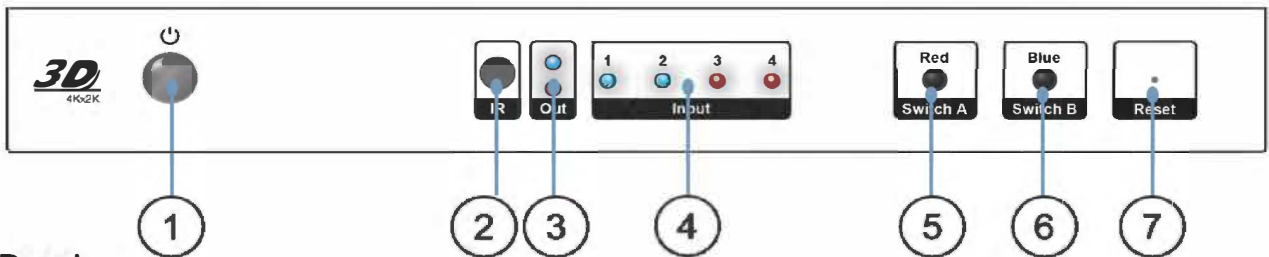
- 1x HDMI Matrix
- 1x IR Remote control
- 2x wall/rack mounts
- 1x 5V/2A DC Adapter
- 1x User Manual

Specifications

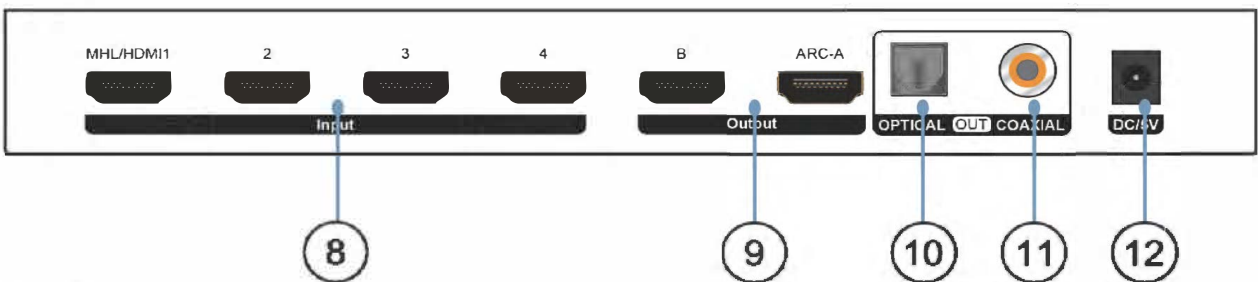
Operating Temperature Range	-5 to +35 °C(+23 to +95°F)
Operating Humidity Range	5 to 90%RH (No Condensation)
Bandwidth frequency	10.2Gbps
Input ports	4xHDMI (female)
Output ports	2 x HDMI outputs 1x Optical audio output 1x Coaxial audio output
Resolution outputs	up to 4K x 2K (3840 x 2160 @ 30Hz)
Dimensions (HxWxD)	28x230x87mm
Power consumption	5W(MAX)
Transmission Distance	15m(Maximum)over standard HDMI cable/26AWG
Net Weight	510g

Panel Description

Front Panel

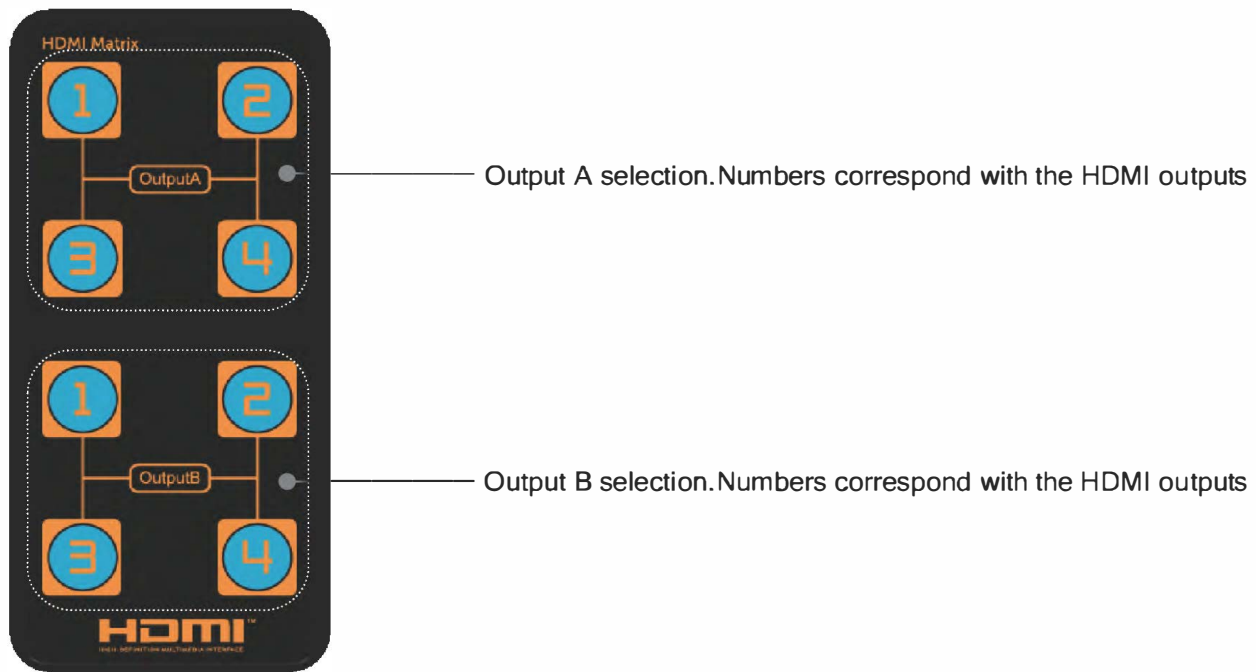


Back Panel

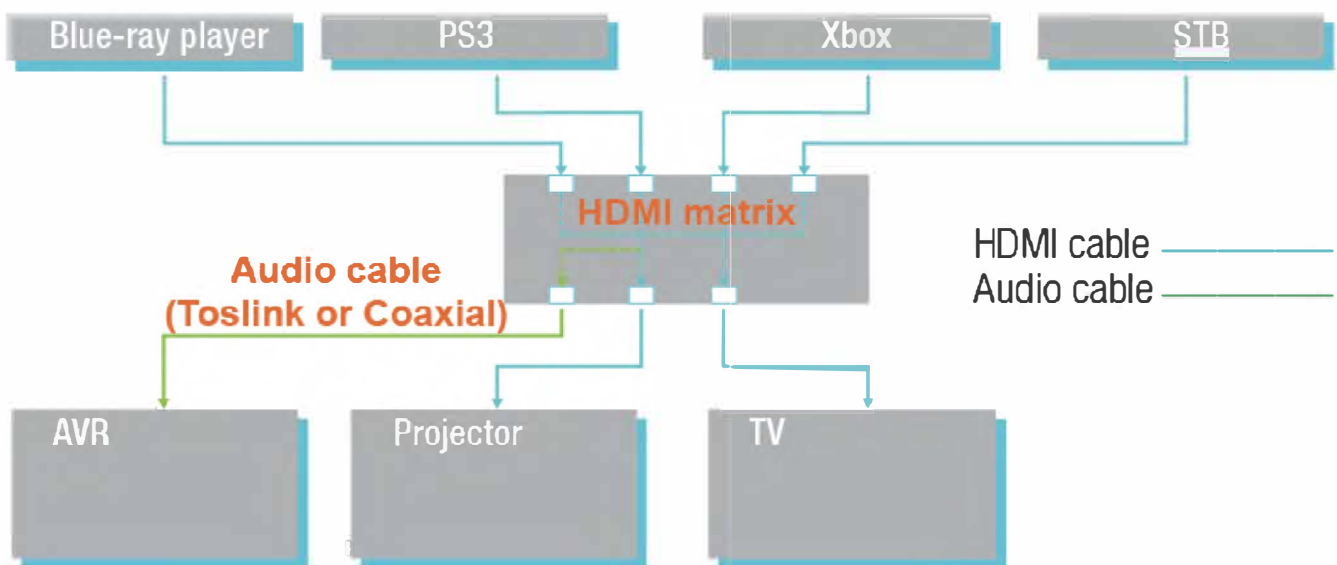


- 1) Power switch.
- 2) IR Receiver Window
- 3) Indicator of HDMI outputs
- 4) Indicator of HDMI Inputs
- 5) Output A Select Button
- 6) Output B Select Button
- 7) Reset button
- 8) HDMI input ports
- 9) HDMI output ports
- 10) S/PDIF audio out: Optical
- 11) S/PDIF audio out: Coaxial
- 12) Power input

Remote Control



Connection Diagram



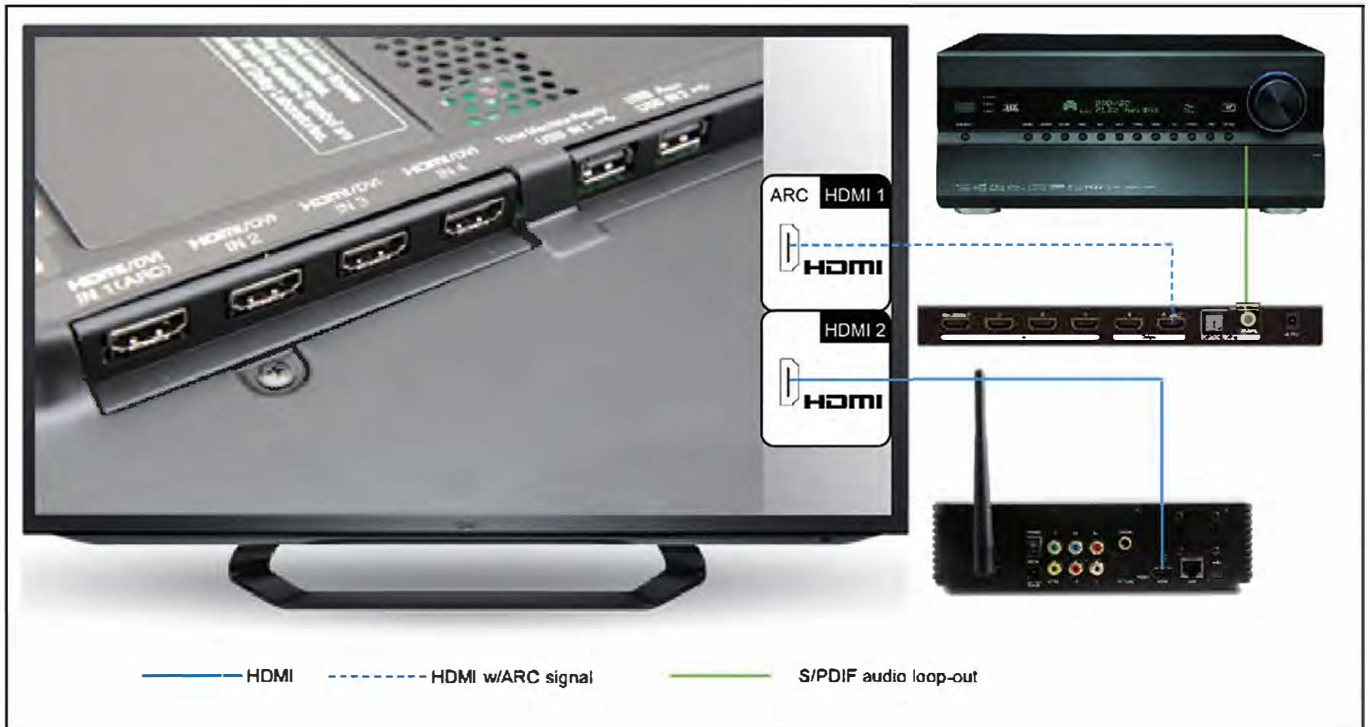
Audio Return Channel (ARC)

ARC enables a source which connected to a display to route the source audio to an AV Receiver or Amplifier.

steps

1. Make sure the display supports ARC
2. Connect the output port A of HDMI Matrix to **HDMI 1 (ARC port)** of the display (TX).
3. Connect the source to **HDMI 2** of the display.

4. Connect the S/PDIF output port (Optical port or Coaxial port) to an AV Receiver or Amplifier.



Matrix source audio isolate

1. Connect the source with HDMI Matrix.
2. Connect the HDMI matrix to HDMI2 of Display.
3. Connect the S/PDIF output port (Optical port or Coaxial port) to an AV receiver or Amplifier. The source audio can be isolated and transported by the S/PDIF port of AV receiver or Amplifier.

NOTE: make sure ARC function of TV is turned off when isolating the audio from the source.

NOTE: HD audio formats are not supported through S/PDIF. eg. Dolby TrueHD or DTS-HD Master Audio

