

HDMI 2x2 Matrix

Operation Manual



CHMX-22AS

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1. Introduction

Cypress CHMX-22AS is a high performance HDMI Matrix with remote control. It offers you maximum convenience in HDMI signal distribution when you have multiple HDMI sources and displays to connect together. Each of the two HDMI sources can be directed to any one of the two outputs, so two displays can show 2 identical or 2 different sources at the same time. CHMX-22AS provides a maximum of 4 possible connection scenarios between sources and displays. When HDMI signal progresses through CHMX-22AS, it is re-timed, level compensated, phase error corrected, and data jitter eliminated, so the output is a regenerated brand new HDMI signal that can run for another 25 meters and can be cascaded.

2. Features

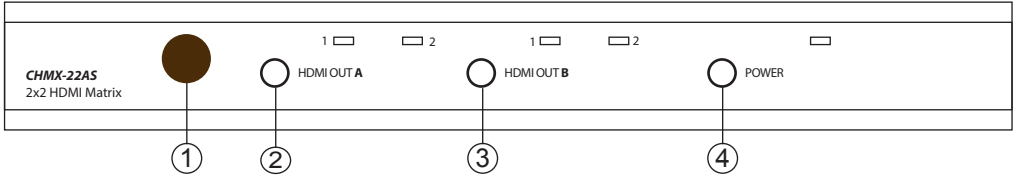
1. HDMI 1.2, HDCP 1.1 and DVI 1.0 compliant.
2. HDMI input is compensated, clock / phase adjusted, and jitter eliminated so the output is a well tuned standard HDMI signal.
3. Input source LED indicators on each output select.
4. Ideal for home theater integration, conference room and retail stores.
5. Compatible with all HDMI sources and displays.
6. Supports high resolution input/output:
PC: VGA, SVGA, XGA, SXGA and UXGA (1600X1200) &
HDTV: 480i, 576i, 480p, 576p, 1080i, and 1080p
7. IR remote control.

3. Package Contents

1. Cypress CHMX-22AS HDMI Matri
2. 5VDC Power Supply Adaptor
3. Remote control
4. Operation Manual

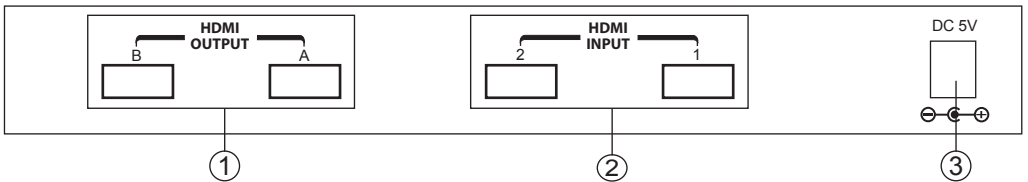
4. Operation Controls and Functions

4.1 Front Panel



1. Remote control sensor.
2. Input Select/Indicators (A):
Press the "HDMI OUT A" button repeatedly to switch to your desired source, and the LED will illuminate to indicate which input source is being selected, and routed to HDMI A display.
3. Input Select/Indicators (B):
Press the "HDMI OUT B" button repeatedly to switch to your desired source, and the LED will illuminate to indicate which input source is being selected, and routed to HDMI B display.
4. Power Switch & LED Indicator:
The LED will illuminate when the power is turned on.

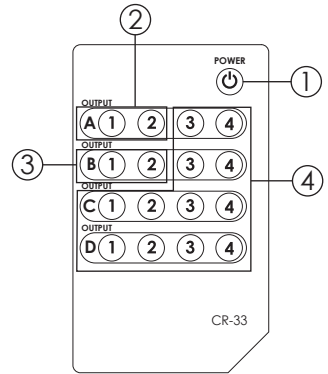
4.2 Rear Panel



1. HDMI outputs A/B:
Connect each of these output ports to the HDMI input of an HDMI display.
2. HDMI inputs 1 and 2:
Connect to the HDMI output of your source equipment such as DVD player or set-top-box.
3. Power:
Plug the 5VDC power supply into the unit and connect the adaptor to AC wall outlet.

4.3 Remote Control

1. Power:
Press the button to turn on/ff the unit.
2. Input Select for HDMI OUT A:
Press 1 or 2 to select the desired input source for HDMI OUT A.
3. Input Select for HDMI OUT B:
Press 1 or 2 to select the desired input source for HDMI OUT B.
4. Void buttons (No function).



5. Specifications

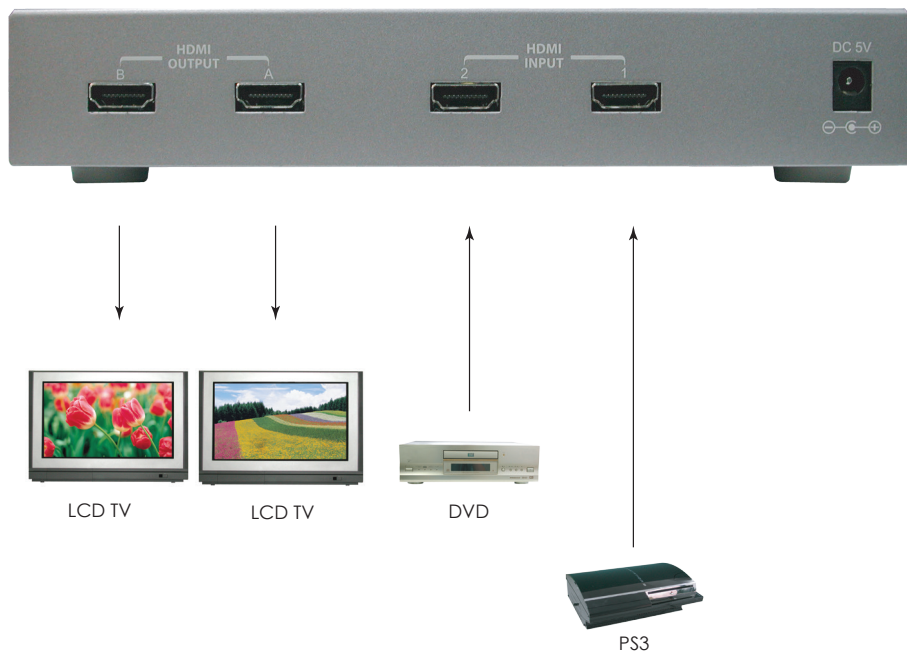
5.1 General Specification

- * Frequency bandwidth: 1.65Gbps (single link)
- * Input/Output: 2-in to 2-out HDMI female ports
- * 5V DC power supply
- * Dimensions: 207 (W) x 156 (D) x 36 (H)mm
- * Weight: 0.86Kgs

5.2 Support Resolution

INPUT	
PC	VGA, SVGA, XGA, SXGA, UXGA
TV	480i, 480p, 576i, 576p, 720p, 1080i, 1080p
OUTPUT	
PC	VGA, SVGA, XGA, SXGA, UXGA
TV	480i, 480p, 576i, 576p, 720p, 1080i, 1080p

6. Connection and Installation



Cypress Matrix Series:

Product	Description
CHMX-22	2x2 HDMI Matrix
CHMX-24	2x4 HDMI Matrix
CHMX-42	4x2 HDMI Matrix
CHMX-44	4x4 HDMI Matrix
CHMX-22AS	2x2 HDMI Matrix
CCMX-42	4x2 Component Matrix w/audio
CCMX-44	4x4 Component Matrix w/audio

