LINK

4x4 pure HDMI 2.0 Matrix Switcher with de-embedded audio outputs

Quick Start Guide

Connection

1. Connect HDMI IN

   Connect HDMI source devices(e.g. Blu-ray player, PC, game console, Apple TV, etc.) to HDMI IN 1-4 of the matrix with high-quality HDMI cables.

2. Connect HDMI OUT

   Connect HDMI display devices(e.g. TV, projector, LED/LCD display, etc.) to HDMI OUT 1-4 of the matrix.

3. Connect AUDIO OUT

   Connect audio devices (e.g. audio amplifier) to AUDIO OUT 1-4 of the matrix with RCA stereo cables.

4. Connect for additional control options:

   a) IR Control: The matrix can be controlled through IR signal by pointing the IR remote provided at front panel IR window directly. Alternatively, connect the IR receiver cable (38KHz) provided to IR EXT. of the matrix for IR extension, and have its head secured in a place accessible to the matrix remote.

   b) RS232 Control: Connect a control PC or control system to RS232 of the matrix.

   c) LAN (Web UI/Telnet) Control: Connect the control PC or control system's network to the matrix through LAN port.

5. Connect the power

   Connect the AC power cord provided and switch on the power button.

6. Power on all devices.

See below picture.
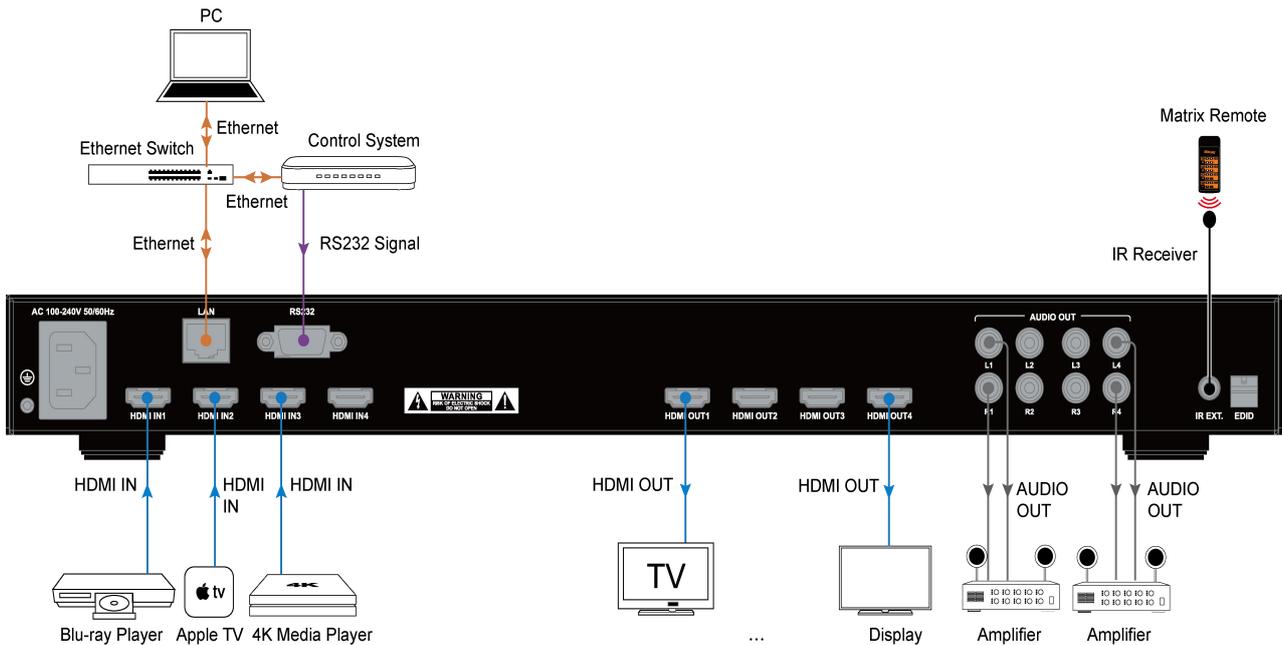
Matrix Control.

Front Panel Control

This matrix is designed with ease of connection and control in mind. Basic switching of input sources to output displays can be achieved by pressing front panel buttons and the front LEDs indicate the current input and output status of the matrix.

Step 1. Press the Left or Right button to select output channel, after the selection is complete, the corresponding LED of the output channel will blink slowly.

Step 2. Press up or down button to select the desired input channel.

Step 3. Press the Enter button to confirm the selection, after the selection takes effect, the LED stops blinking.

Remote Control

You can switch among multiple inputs for each output display by pointing the matrix IR remote directly at the IR window on the front panel or the IR receiver connected to the rear panel.

Steps for IR Remote operation:

● Locate the target output you want to switch inputs for on the remote, numbered 1-4 vertically along the right side.

● Press the desired input number to select the corresponding input source for your target output.

● Previous and next buttons (◄ ►):

Scrolls between the input sources.

The previous button means the previous input; while the next button means the next input. When using the matrix remote, point it directly at the matrix or IR receiver, ◄ ► are used to scroll between the input sources for each individual output display. For example, to select output display 1 to be set to input source 2, find row 1 on the matrix control and scroll ◄ ► to input source 2.

WEB UI Control

MX0404-1018-W00 offers users a web interface for changing settings and controlling the matrix.

Step 1. Connect a PC directly to the LAN port of matrix switcher by a Cat5e/Cat6 cable or connect them to a network switch, set the PC with an static IP address belonging to the subnet segment 192.168.10.XXX 255.255.255.0.

Note: The matrix switcher has default IP address 192.168.10.254, and admin as default password.

Step 2. Enter its IP address 192.168.10.254 in the web browser, and you will get below log in screen to enter password.

Note: Chrome, Safari, Firefox, Opera and IE10+ are supported.   Please make sure the web browser is the latest version.

RS232 Connection

Step 1. Connect the matrix RS232 port to PC.

Step 2. Run the UART tool on PC, configure the serial port as described in the following table.

Serial Parameter	Setting
Baud Rate	9600 bps
Data Bits	8 bits
Parity Bits	None
Stop Bits	1 bit
Flow Control	None

Note:

● The Data format is ASCII.

● Please refer to the API commands document to know the commands details.

EDID Presets:

EDID (Extended Display Identification Data) is a data structure provided by a digital display to describe its capabilities to a video source.The matrix features EDID management that can be used when EDID don't meet the installation requirements。

Note：DIP position is default by 1 1 1, means down down down, as picture:

Please refer to the following schematics to set EDID:
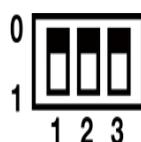
DIP			Function
0	0	0	EDID controlled by Front Panel, Web GUI and API command
0	0	1	4K@60Hz 5.1ch audio with HDR (Smart EDID OFF)
0	1	0	4K@60Hz 2.0ch audio with HDR (Smart EDID OFF)
0	1	1	4K@30Hz 5.1ch audio with HDR (Smart EDID OFF)
1	0	0	4K@30Hz 2.0ch audio with HDR (Smart EDID OFF)
1	0	1	4K@30Hz 8bit only 2.0ch audio without HDR (Smart EDID OFF)
1	1	0	1080p@60Hz 2.0ch audio (Smart EDID OFF)
1	1	1	Smart EDID ON(Default)

Note, If copy failed, the inputs' EDID will be replaced by [4K@30Hz 2.0ch audio with HDR] EDID.

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