

8x8 HDMI HDR Matrix – Step by Step Instructions

No Hassle Audio Video – (888) 400-1215

- 1) Connect your media sources to the HDMI inputs (such as Directv, Apple TV, Roku, BluRay Players, PCs, etc)
- 2) Connect your TV displays to the HDMI outputs. If you need CAT6 extenders, we sell some of the only HDR HDBaseT Extenders on the market if you search for Amazon ASIN: B077L2BQW9.
- 3) Use the included remote control or the front panel buttons to control the matrix. If you need more detailed control, please continue reading.
- 4) If any of your TVs are having image issues
 - Make sure that your CAT5e/CAT6 cables are terminated with the 568A or 568B order. You can't use any random color order, it must be 568A or 568B. This is the industry standard for ALL CAT wiring, not just for our products. Many of the CAT cables that are sold on Amazon are NOT terminated to this standard. So please double check the color order if you are having issues.
 - You can buy very cheap CAT5e/CAT6 cable testers on amazon that will tell you if any of your cables are wired incorrectly. Search for Amazon ASIN: B0734SRM1D.
 - Replace the HDMI cables at to any TVs that are having image issues (High speed HDMI cables must be used - Don't pay more than \$10 for a short HDMI cable).
 - The EDID must be set for every input (See below)

How to change the EDID settings

If you are having image issues, you'll need to set the EDID for every input. EDID is basically telling the matrix the resolution of every media source that you have connected. So if you have a 1080p satellite box connected to HDMI port 1, you'll want to tell the matrix that port 1 is 1080p. If you have an Apple TV 4K box connected to HDMI port 2, you'll want to tell the matrix that port 2 is 4K60hz HDR YUV 444. Every media source has a different max resolution. If your media source is 4K, that could mean many different things...HDR, Non-HDR, 60hz, 30hz, YUV 420, YUV 444. You'll want to check with the manufacturer to see what resolution they support.

Follow these steps to define the EDID for every Input:

- 1) On the front panel buttons, hold down the IN 6 button for 3 seconds
- 2) You will see the EDID setting for Input 1. All inputs are set to 4K60hz 420 as default
- 3) Push the OUT 2 button to get to the EDID Input that you want to change
- 4) Push OUT 1 to go into edit mode. Push OUT 2 to scroll to the EDID option that you want. Push OUT 1 again to save.
- 5) Repeat this step for every input that you want to change
- 6) Some media sources such as Xbox One and Playstation 4 work best with the "COPY TV" EDID setting. If your source doesn't seem to work well with the preset EDID settings, use the COPY TV

setting. For example, if you have an Xbox One connected to HDMI Input 8 and a 4K HDR TV connected to HDMI Output 2....go to the EDID settings for HDMI Input 8 and set the EDID to "COPY TV 8"

IP Control

The matrix is set to DHCP out of the box. This means that when you connect the matrix to your router, it will be automatically assigned an IP address.

- 1) Connect an ethernet cable from the matrix to your internet router
- 2) On the front panel buttons, hold down the IN 7 button for 3 seconds
- 3) You'll enter the IP menu and should see DHCP set to ON
- 4) Push OUT 2 to see the detailed IP settings, including the matrix IP address
- 5) Now, on your PC, Android, or Apple Device, open up your browser such as Google Chrome, Safari, Firefox, or Internet Explorer. Type in the IP address of the matrix, such as 192.168.1.250. You now have control over the matrix with any device. Bookmark this page and save in to your homescreen. Rename it "Matrix", so that it is quick and easy to get to. Remember, you'll only be able to access the matrix controls when your device is connected to your home wifi. It won't work when you're out of the house.

If you want to assign a static IP address to the matrix, please follow these steps:

- 1) On the front panel buttons, hold down the IN 7 button for 3 seconds
- 2) You'll see DHCP is ON. Push the OUT 1 button, OUT 2 button, and then OUT 1 button again. DHCP will be turned OFF
- 3) Push OUT 2 again to get to the IP address section. Push OUT 1, and then adjust the IP address number using IN 2 as "UP" and OUT 2 as "DOWN". Push IN 3 to jump to the next number. Push OUT 1 to save
- 4) Push OUT 2 again to get to the next IP address section and edit the numbers as needed

RS232 Control

Order an RS232 to USB cable. You can find them at Office Depot, Staples, or ASIN: B00IDSM6BW and B00IDSM6BW. Connect the cables from your PC to the back of the matrix. Go to this website to download PC software: http://www.nohassleav.com/8x8_hdmi_hdr/

Open up the software on your PC, and you can control the matrix, set the EDID, and give the matrix a unique IP address.