

## TECHNICAL SPECIFICATIONS

| VIDEO and AUDIO   |                                                                   |
|-------------------|-------------------------------------------------------------------|
| Format            | HDMI 1.4                                                          |
| Video Bandwidth   | 10.2Gbps                                                          |
| Input             | (8) HDMI                                                          |
| Output            | (8) HDMI, (8) CAT5e/6/7, (8) 3.5mm stereo jack, (8) coaxial audio |
| Input Resolution  | Up to 4K (3840x2160 @ 30Hz)                                       |
| Output Resolution | Up to 4K (3840x2160 @ 30Hz)                                       |
| HDMI Connector    | Type A 19 pin female                                              |
| RJ-45 Connector   | WE/SS 8P8C                                                        |
| Audio Connectors  | 3.5mm, Coaxial                                                    |
| CONTROL           |                                                                   |
| Front Panel       | Front panel buttons                                               |
| IR                | Infrared Remote Control                                           |
| RS-232            | DB9 Female, 115200 bps, N, 8, 2, No flow control                  |
| TCP/IP Control    | via Ethernet-connected computer                                   |
| OTHER             |                                                                   |
| Power Supply      | Internal 100-240 VAC                                              |
| Max Consumption   | 100 W                                                             |
| Dimensions        | 17.5" W x 14.75" D x 4.0" H                                       |
| Weight            | 14.65 lbs                                                         |
| Approvals         | UL, CE, ROHS Compliant                                            |
| Operating Temp.   | 32 to +104°F (0 to 40°C)                                          |
| Storage Temp.     | -4 to +140°F (-20 to 60°C)                                        |
| Humidity          | Up to 90% RH (non-condensing)                                     |

## WHAT'S IN THE BOX

| PART NO.    | QTY | DESCRIPTION                                           |
|-------------|-----|-------------------------------------------------------|
| HDR-8x8-XTS | 1   | 4K-Ready 8x8 HDMI Matrix Switch with CAT5/6/7 HDBaseT |
| CCPWR06     | 1   | 6' Power Plug Cable                                   |
| RMHDR8X8    | 1   | IR Remote Control                                     |
|             | 1   | Quick Start Guide                                     |

Plug in IR emitters and IR eyes for bi-directional remote control of connected devices are sold separately.

Brackets for mounting this device in a standard 19" rack may be optionally ordered from SmartAVI.

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## SmartAVI.com

# Smart-AVI

SMART AUDIO VIDEO INNOVATION

## HDR-8x8-XT

4K Ultra-HD 8X8 HDBaseT HDMI Switching Matrix with POE



Distribute 8 4K HDMI sources to 8 local monitors and 8 remote displays via HDBaseT (CAT5e/6/7) with IR, RS-232, and TCP/IP control support

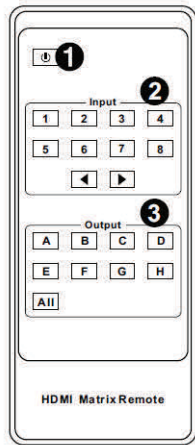
## Quick Start Guide

## INTRODUCTION

The HDR-8x8-XT is an 8x8 matrix switch that sends 4K (3840x2160 @30Hz) HDMI signals to output devices up to 328 ft away with HDBaseT CAT5/6/7 extension. Ideal for large venues with multiple 4K-ready screens, the HDR-8x8-XT offers unmatched performance and quality over considerable distances. The matrix features front-panel buttons for direct switching, support for RS-232 commands, and bi-directional IR remote control. (Plug in IR emitters and IR eyes are sold separately) The HDR-8x8-XT can also be controlled using a TCP/IP web console accessible by PC when connected to the matrix over Ethernet. Featuring HDBaseT Power-over-Ethernet support, the HDR-8x8-XT powers connected receiver units (like the HDX-POE) through CAT5e/6/7 cables, cutting costs and power consumption. It also features EDID learning and HDCP management.

## ETHERNET ROUTING

The HDR-8x8-XT connects up to eight smart TVs to the internet via an HDBaseT Ethernet switch, saving users valuable setup costs and times otherwise spent on hooking each display up to separate internet routers. Keep your displays web-connected and convenient with the HDR-8x8-XT!

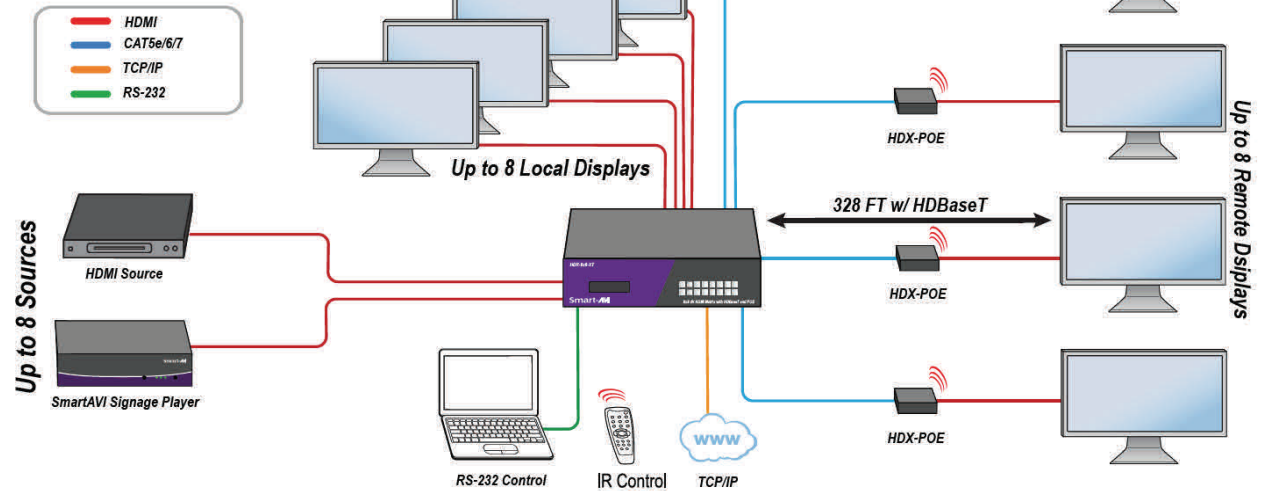


- 1. Power on /Standby:** Press this button for power on the matrix or set it to standby mode.
- 2. Input port selection area:** Press these buttons to select input 1-8. Press forward/backward button will cycle from input 1-8.
- 3. Output port selection area:** Press these buttons to select output A-H, including ALL.

### How to select Output and Input Port?

Press OUTPUT-X (X means 1 to 8 of outputs, including ALL) Press INPUT-Y (Y means 1 to 8 of inputs)

## Smart-AM HDR-8x8-XT



## CONNECTING PRODUCT

1. Turn the power off on the HDR-8X8-XT
2. Connect up to 8 sources such as a Blu-Ray Player, game console, A/V Receiver, Cable or Satellite Receiver, etc. to the HDMI inputs on the unit. Do not hotplug! Insert and extract cables carefully with the power switch off. Connecting and disconnecting while the unit is powered can result in damage to circuitry.
3. Connect the output HDBaseT ports and/or HDMI output ports, starting with output A, to the HDBaseT Receiver display receivers (sold separately) (using well terminated or pre-terminated Cat5e/6/7 cables no longer than 328 ft)
4. If utilizing UTP, connect the output HDMI ports of the HDBaseT Receiver display receivers (sold separately) to high-definition displays such as an HDTV or HD projector that use HDMI inputs. Note that high-speed HDMI cables are recommended for the distances that are required for each connection.
5. Plug in IR transmitters to the back of the Matrix Selector Switcher unit (IR TX), the transmitters are labeled IR TX, place in front of the IR receiver of the source, ensure that each emitter is placed in front of the IR receiver eye. Use double-sided adhesive tape to secure them. (Plug in IR emitters and IR eyes are sold separately)
6. Plug in IR receivers to the port of the HDBaseT Receiver display receivers. The receivers are labeled IR RX, use double-sided adhesive tape to stick emitters at each display at a desired place that will receive a remote signal. (Plug in IR emitters and IR eyes are sold separately)
7. For power, plug in the source first, followed by the HDR-8X8-XT Matrix (power supply included), followed by the display receivers, followed by each output connected.
8. Power on each device in the same sequence.

