

# HD-88LA 8x8 HDMI Matrix Switcher



The HD-88LA is high-performance 8x8 matrix routing switcher for HDMI signals. This switcher supports data rates up to 6.75 Gbps, enabling 1080p HDMI formats and UXGA/WUXGA/DVI resolution to any HD display. High Definition Digital signals can be selected and distributed to any (8) outputs simultaneously. The Switcher is certified as being fully HDMI and HDCP compliant, with RoHS, CE, FCC certification. Support high resolution HDMI sources routed to HDMI displays, monitors, and projector or audio receivers. The EDID can be selected between (8) different modes. Control is provided via front panel push buttons, IR remote, RS-232 or TCP/IP (not a web-browser). An RS-232/Ethernet Windows GUI software program is provided for matrix routing control (Windows only).

Two unique features of the HD-88LA is separate audio Inputs and Outputs.

On any Input, you can use a DVI to HDMI adaptor (not included) and a spate audio signal. The video will be embedded on the Output signal.



On any Output, you can take advantage of the SPDIF (coaxial digital) audio output. This is an excellent feature that allows audio to connect directly to an audio receiver. The S/PDIF can carry two channels of uncompressed lossless PCM audio or compressed 5.1/7.1 surround sound such as Dolby Digital Plus or DTS-HD High Resolution Audio. But, it does not have the capacity to carry the uncompressed data in the lossless formats of Dolby TrueHD and DTS-HD Master Audio – as HDMI does.

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## FEATURES

- 8x HDMI digital source devices matrix switched to 8x HDMI devices.
- HDMI digital video w/embedded audio, DVI format and CEC/HDCP 2.0 compliant
- (7) function key control and worldwide (8) EDID modes for HDTV resolutions
- Link speeds of up to 6.75 Gbps (link clock rate of 340Mb Hz), Support HDMI 1.4a 3D formats.
- Support (DVI) Audio input and SPDIF output.
- Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV resolutions 480i/480p, 576i/576p, 720p, 1080i & 1080p
- Compatible with all HDMI source devices, PC monitors, Plasma HD display, HDTV and audio receivers/amplifiers.
- Digital Video TMDS formats Resolution up to 1080p-60 with Deep color 36-bit.
- Digital Audio Support : Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX PCM, PCM2, LPCM2
- Various User Interface control:
  - Windows based GUI control via RS-232 or Ethernet port
  - Front Panel push button
  - IR wireless remote control
  - Third party RS-232 controller (via simple ASCII)
- Support world wide control functions: ALL / OFF / RECALL / ENTER / MEMORY / EDID / LOCK
- Support EDID modes :
  - Internal modes : AUTO/1080p-2CH/1080p-5.1 / 1080p-7.1 / 1080i-2CH / 720p-2CH
  - External modes : Passing mode.
- Automatic scanning input & output status via LED show on front panel.
- Support preview output port simultaneously output #1.
- Support IR Remote and IR Extender with distance up to ~ 1000ft (300M) Maximum.
- EDID configuration via Internal modes.

## SPECIFICATIONS

- **Type of HDMI Switcher:** 8x HDMI inputs To 8x HDMI Outputs Matrix Switcher
- **HDMI Support:** HD 1080p-@60Hz, H36-bit Deep color, 3D (1.4a) formats
- **HDCP / CEC Support:** HDCP 2.0 Compliant, CEC Compliant
- **Video Bandwidth:** Double Data Rates: 340Mhz, Total 6.75Gbps bandwidth
- **Digital Video Support:** Full HD resolution : 480i / 480p / 720p / 1080i / 1080p
- **Digital Audio Support:** Multi Audio Formats 5.1 / 7.1, MAT(MLP), Dolby Digital, Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6.1, DTS-HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
- **Controls:** IR Remote Controller, IR External port x 1 (OD 3.5mm Ear phone Jack), Select & Function buttons on front panel, RS-232 series interface
- **Audio:** Support Support Audio Input and SPDIF output
- **Source Status:** Automatically Scan Sources Inputs via LED
- **Function Control Key:** ALL / OFF / RECALL / ENTER / MEMORY / LOCK / EDID
- **Infrared Frequency:** 38 Khz
- **IR External Distance:** ~1000ft / 300m
- **HDMI I/O Connector:** HDMI Type A - SMD 19pin Female Type
- **Temperature:** 32°F-100°F (0°C - 38°C)
- **Dimensions (LxWxH):** 19 x 9.85 x 1.75 in (482mm x 250mm x 44mm)
- **Rack Mount:** Rack Mount 1RU High 19" Rack Mount (with rack mount)
- **Power Supply:** DC12V / 5A, Universal world wide Type 50/60Hz, 100~230 VAC
- **Power Consumption:** 3880 mA Maximum
- **Product Weight:** 4.2 lbs / 2.50 Kgs