CLUX-8M

1x8 HDMI 1.3 with Multi-channel Splitter

Operation Manual

CLUX-8M

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1. Introduction

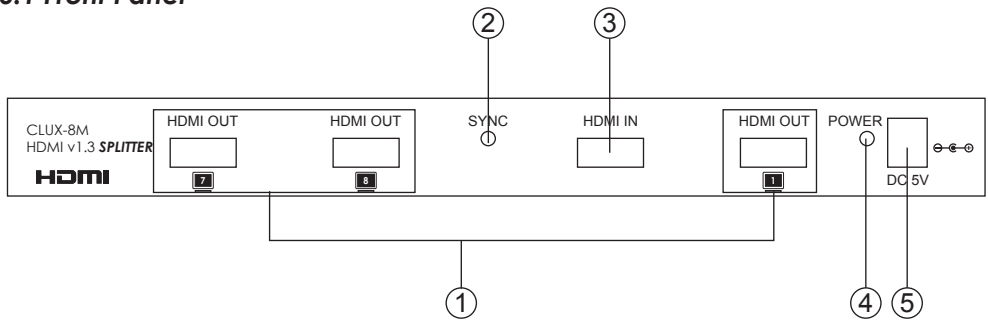
The HDMI v1.3 Distribution Amplifier Series is the most advanced solution to HDMI signal distribution. Each product in this series is compatible to HDMI v1.3 specifications, a cutting edge technology which defines the support to transfer Deep Color (10-bit and 12-bit) video and new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) digital audio, with a high bandwidth up to 225MHz (6.75Gbps). Besides splitting and distributing, the HDMI v1.3 DA series also does signal amplification and equalization, so as to provide high performance I/O of audio and video.

2. Features

- HDMI 1.3, HDCP1.1 and DVI1.0 compliant Receiver.
- Deep color video up to 12bit, 1080p@(24/60)Hz.
- One HDMI source to connect up to eight HDMI displays simultaneously.
- HDCP keysets allows each output to work independently when connecting to a HDMI display.
- Splits a HDMI source up to eight outputs without signal loss.
- Supports DVI source and DVI display by using HDMI to/from DVI adaptor cable.
- Supports LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio transmission (32-192kHz Fs sample rate).
- Supports a wide range of PC and HDTV resolutions from VGA to UXGA and 480i to 1080p.
- HDMI cable distance test with 1080p/8bits resolution the, Input/Output source can run up to 15/15 meters. If 1080p/12bits the Input/Output source can run up to 10/15 meters.
- Can selected EDID source from TV or this splitter.
- Support CEC bypass.
- Support xvYCC.

3. Operation Controls and Functions

3.1 Front Panel



① HDMI Outputs 1/7/8: Connect each of the output ports to the HDMI display. When more than one output connected, the HDMI outputs play identical video signal simultaneously.

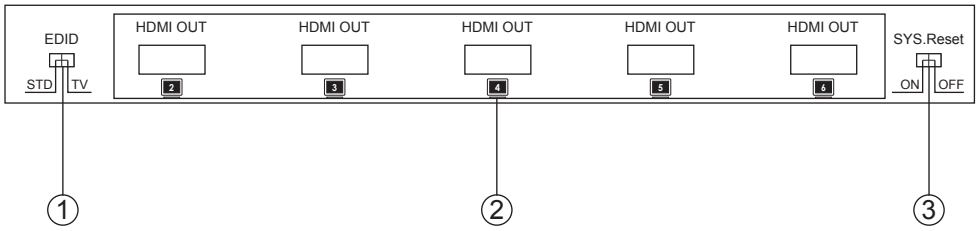
② Sync LED: The LED will illuminate when the HDMI source signal is connected to the input port.

③ HDMI Input: Connect input port to the HDMI or DVI output of your source equipment such as DVD player or set-top-box.

④ Power LED Indicator: The LED will illuminate when the power is connected.

⑤ Power: Plug the 5V DC power supply into the splitter and connect the adaptor to AC wall outlet.

3.2 Rear Panel



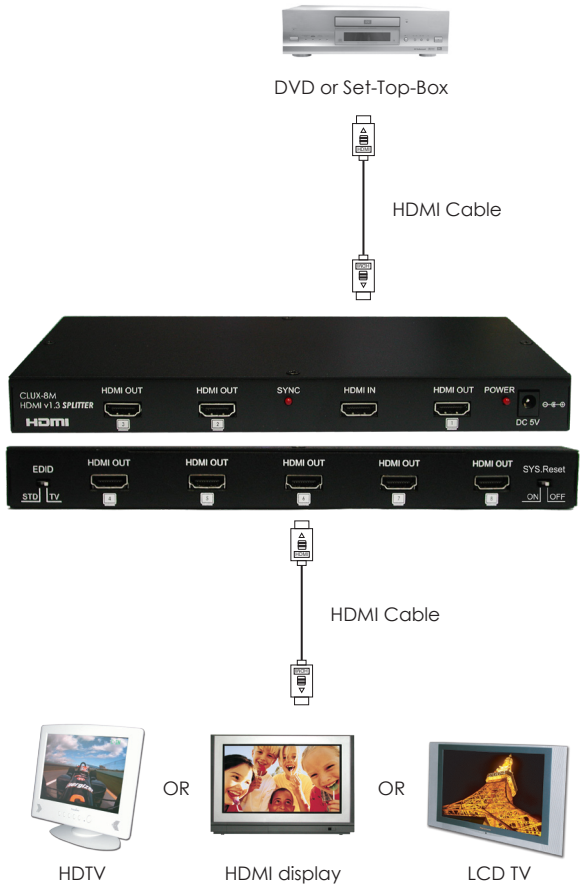
① EDID Control switch: Default factory setting is TV, leave as is if the display is properly. Switch to STD to use build-in EDID if the display has problems. When the EDID control switch in TV selection, the unit will detect the first HDMI output source's EDID and record in the unit. If the first detected output source is DVI it will pass to next source, until the first HDMI been detected

Note: EDID Control switch will be valid when re-power on the unit.

② HDMI Outputs 2~6: Connect each of the output ports to the HDMI display. When more than one output connected, the HDMI outputs play identical video signal simultaneously.

③ System Reset: Switch to "ON" stage, the system will send the internal CEC Command to the display within 8~10 minutes to force all the displays switch to HDMI 1 port. Meanwhile, the source CEC Command will not functional to the system. When switch to "OFF" stage, the system reset function will terminate.

4. Connection and Installation



5. Specifications

Frequency bandwidth	2.25Gbps (single link)
Input port	1x HDMI female port (Type A connector)
Output ports	8x HDMI female ports (signal link)
Power Supply	5VDC/5A (US/EU standards, CE/FCC/UL certified)
Dimensions (mm)	240(W) x 103(D) x 24(H)
Weight(g)	1000
Chassis Material	Metal
Silk Skin Color	Black
Operating Temperature	Operating from 0°C ~ 40°C

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