

# 1x8 HDMI Distribution Amplifier

Operation Manual



EHD-8

# Introduction

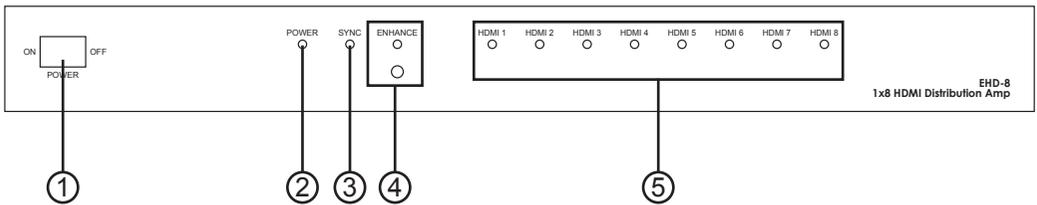
**Cypress EHD-8** is a high performance HDMI distribution amplifier. It allows one HDMI source to connect up to 8 HDMI displays simultaneously.

## Features

1. Solid and durable metal housing with all connectors lined up in one side.
2. Built-in HDCP keysets allows each output to work independently when connecting to a HDMI display.
3. Splits a HDMI source up to 8 outputs at 1080p without signal loss.
4. Supports DVI source and DVI display by using HDMI to/from DVI adaptor cable.
5. Supports a wide range of PC and HDTV resolutions, from VGA to UXGA and 480p to 1080p. Maximum resolution bandwidth-165MHz.
6. Can be cascaded for more outputs.
7. Each of the buffered output can run up to 15 meters@1600x1200, or 1080p.
8. Support multi-channel compressed & uncompressed HDMI audio.
9. Full HDCP compliant.
10. Enhance function for signal pre-emphasis.
11. Fast handshaking reduces pre-picture blackout time to 5 seconds.

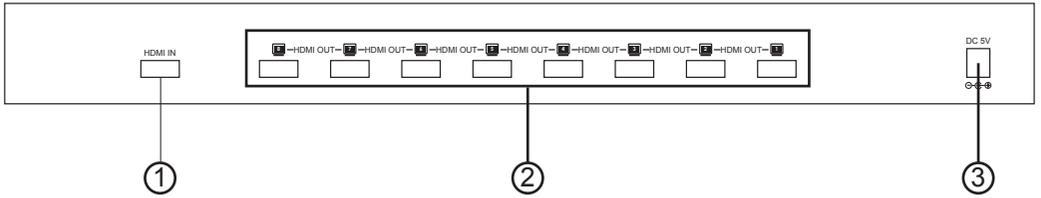
## Operation Controls and Functions

### Front Panel



1. Power Switch: Press the switch to power on the unit.
2. Power LED Indicator: The LED will illuminate when the power is connected.
3. Sync LED: The LED will illuminate when the HDMI source signal is connected to the input and is detected by the unit.
4. Signal Enhancement/Indicator: Press the "Enhance" button to turn on this feature to improve signal quality after long distance transmission. Press again to turn off. The LED will illuminate when the signal is enhanced.
5. Output LEDs: When a display TV is connected to one of the output ports, its corresponding LED will illuminate.

## Rear Panel

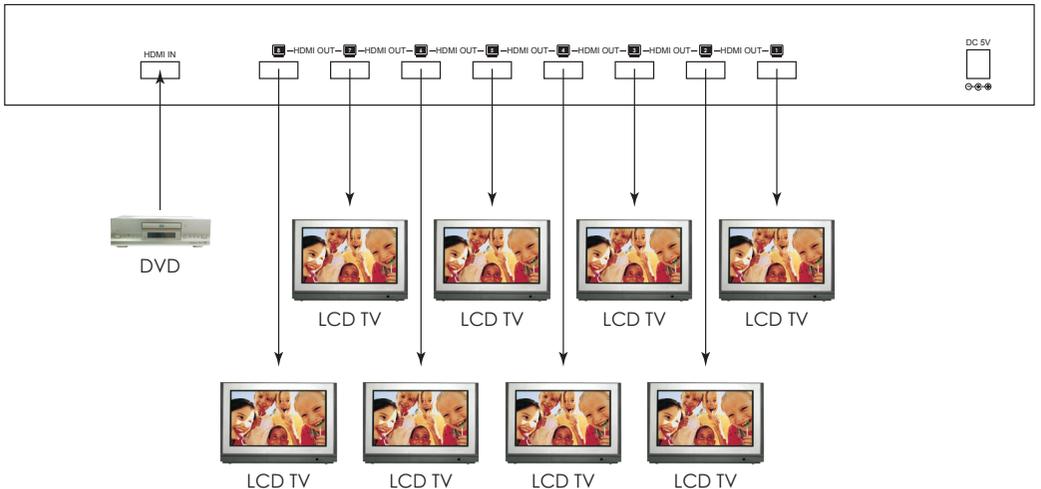


1. HDMI input: Connect to the HDMI or DVI output of your source equipment such as DVD play or set-top-box.
2. HDMI output 1/2/3/4/5/6/7/8: Connect each of these output ports to the HDMI input of a HDMI display.
3. Power input: Plug the supplied 5VDC power supply into the unit.

## Specifications

- **Frequency bandwidth:** 1.65Gbps(single link)
- **Input/Output:**  
1 in to 8 out HDMI female port
- **DC 5V 6A universal power supply**
- **Operating temperature range:** 0° ~ 48° C
- **Operating humidity range:** 30 to 80% RH
- **Dimensions:** 434(W)x116(D)x44(H)mm
- **Weight:** 2.1kgs

## Connection and Installation





**CYPRESS TECHNOLOGY CO., LTD.**  
Home page: <http://www.cypress.com.tw>