



## EM-EDID-HD15(-P)

# Pass-Through VGA EDID Emulator

### 1.0 Introduction

Thank you for purchasing the Hall Research EM-EDID-HD15. This device is used to emulate a high resolution LCD when plugged into the PC. The video signal passes through the unit; however, the EDID (plug-n-play information) is emulated and not passed through the device.



### 2.0 Features

- ❑ Perfect for use with splitters, switches and extenders.
- ❑ Allows PC to 'see' an LCD in absence of DDC channel (common problem with extenders)
- ❑ Can be powered from VGA input (if source is VESA compliant)
- ❑ Power indicator LED lets user know if external power supply is needed
- ❑ Small size
- ❑ If source does not have power output, external power supply may be connected
- ❑ Can be used alone or as pass-through
- ❑ Passes RGB and Sync signals with no loss
- ❑ Ships with default EDID that has most common resolutions
- ❑ Can be programmed with other resolutions (separate programmer needed)

### 3.0 Installation

The EDID emulator connects between the video source (the device that needs to read the EDID) and an optional display device. There is a green LED on the EDID emulator that indicates the unit has 5 vDC applied. If the green LED does not illuminate, then either a different cable (one that has Pin 9) or a power supply will be required.



#### CUSTOMER SUPPORT INFORMATION

Order toll-free in the U.S. **800-959-6439**  
FREE technical support, Call **714-641-6607** or fax **714-641-6698**  
Mail order: **Hall Research**, 1163 Warner Ave., Tustin, CA 92780  
Web site: [www.hallresearch.com](http://www.hallresearch.com) ❑ E-mail: [info@hallresearch.com](mailto:info@hallresearch.com)

UMA1147 Rev H

## 4.0 Resolutions Supported

The EDID emulator reports itself as an LCD that can support the following resolutions:

640x480	@ 60 Hz, 67 Hz, 72 Hz, 75 Hz	(Aspect 4:3)
720x400	@ 70 Hz, 88 Hz	(Aspect 16:9)
800x600	@ 56 Hz, 60 Hz	(Aspect 4:3)
832x624	@ 75 Hz	(Aspect 4:3)
1024x768	@ 60 Hz, 70 Hz, 75 Hz, 87 Hz	(Aspect 4:3) (Preferred #2)
1280x1024	@ 75 Hz, 85 Hz	(Aspect 5:4)
1152x870	@ 75 Hz	(Aspect 4:3)
1280x720	@ 60 Hz	(Aspect 16:9 same as 720p)(Preferred #1)
1280x800	@ 60 Hz	(Aspect 16:10)
1368x768	@ 60 Hz	(Aspect 16:9 native on some LCD TVs)
1440x900	@ 60 Hz	(Aspect 16:10)
1600x900	@ 60 Hz	(Aspect 16:9)
1680x1050	@ 60 Hz	(Aspect 16:10)
1920x1080	@ 60 Hz	(Aspect 16:9 same as 1080p)
1920x1200	@ 60 Hz	(Aspect 16:10)
2048x1152	@ 60 Hz	(Aspect 16:9)
2048x1536	@ 60 Hz	(Aspect 4:3)

- Other resolutions can be programmed by Hall Research upon customer request for a nominal fee
- Hall Research also offers stand-alone programmers (USB-EDID and USB-EDID-PRO). They can be used to read the EDID from any LCD or edit custom EDID using PC software.

## 5.0 Power Requirements

This device requires that the VGA source supply 5 Volts DC on its PIN #9. This is a standard for VGA connectors. However, some older PC's and external accessory VGA devices (such as VGA switches, splitters, etc) do not have power on Pin #9. There is a green LED on the EDID emulator that indicates the unit has 5 vDC applied. If the green LED does not illuminate, then either a different cable (one that has Pin 9) or a power supply will be required.

For devices that do not have 5 vDC on pin #9, HRT offers a EDID kit with a power supply (-P option). **Note: Only connect regulated 5 vDC to the unit.**

The power supply is also available individually for those who have bought one without a power supply and found out later they need it.

EM-EDID-HD15	EDID Emulator without Power Supply
EM-EDID-HD15-P	EDID Emulator with Power Supply
5111-DSA-5P-O5	EDID Emulator Power Supply
USB-EDID	VGA EDID Reader/Programmer
USB-EDID-PRO	VGA, HDMI, DVI EDID Reader & Programmer