HALL RESEARCH

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.

Female HD15
Display (optional)

Male HD15
Video Source

LED indicates device has power

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**   E-mail: **info@ hallresearch.com**

UMA1147 Rev H

4.0 Resolutions Supported

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

Resolution	Refresh	Notes
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
511-DSA-5P-05	EDID Emulator Power Supply
USB-EDID	VGA EDID Reader/Programmer
USB-EDID-PRO	VGA, HDMI, DVI EDID Reader & Programmer