HALL RESEARCH

USER'S MANUAL

Model 200A

2-Port VGA Splitter
with
Stereo Audio and EDID Management

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**
Address: **Hall Research**, 1163 Warner Ave. Tustin, CA 92780
Web site: www.hallresearch.com E-mail: info@hallresearch.com

UMA1209 Rev. A

1. Introduction

The Model 200A is a 2-channel VGA distribution amplifier (splitter) with stereo audio and EDID routing and emulation capabilities.

The RGBHV (VGA) input video signal is terminated and amplified for driving each output. The 3.5mm audio input is ground isolated to prevent ground loop noise and hum and is also amplified for driving each output.

The EDID (Extended Display ID) data that the video source sees can be routed from the LCD connected to OUTPUT #1, or emulated using internal EDID memory in the splitter. A recessed 2-position switch is used to determine the EDID routing. The internal EDID is generic and designed to render an image on most displays (please see product webpage for EDID details). To change the internal EDID, additional EDID programmer hardware is required (Model USB-EDID-HD15)

2. Features

- Uses 500 MHz video amplifiers for clear and crisp image
- Splits both Video and Audio
- Isolated audio input provides immunity to ground loop noise
- EDID routing switch (internal or from downstream monitor)
- Can be powered from VGA source (some sources may not provide power on their VGA output)
- Includes power adapter
- Compact sturdy metal case
- Made in the USA

FCC RADIO FREQUENCY INTERFERENCE STATEMENT

This equipment generates, uses, and can radiate radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio communication. It has been designed to comply with the limits for a Class A computing device in accordance with the specifications in Subpart B of Part 15 of FCC rules.

3. Package Contents

- ✓ Splitter enclosure
- ✓ Input cables (6ft VGA and 3.5mm Stereo audio)
- ✓ Power adapter (6 vDC, 300mA)

4. Installation

Step 1 . Turn all the equipment off and disconnect all cables

Step 2 . Using the cables included, connect a video source to the video input, and audio source to the 3.5mm jack

Step 3 . Plug video *OUTPUT 1* and *2* to LCD, projector, etc. and audio to powered speakers or other audio devices

Step 4 . Make sure the *EDID SOURCE* switch on the unit is set appropriately (default = *OUTPUT 1*)

Step 5 . Power up the LCDs and then the PC

Step 6 . If the green light on the box (close to *PWR* connector) is not on, the video source is not providing enough power to operate the unit. In this case attach the supplied power adapter to the unit

5. Specifications

Video	Connectors Input and Outputs: HD15 female Coupling: DC Max Signal Level: 1 v p-p Bandwidth: DC to 500 MHz Input impedance: 75 ohms on RGB, 5K ohms on H,V
Audio	Connectors Input and Outputs: 3.5mm (mini-stereo) Coupling: AC, Max Signal Level: 2 v p-p Bandwidth: 10 Hz to 20 KHz Input impedance: 5K ohms
Dimensions	W x D x H: 4 ¼ x 2 ¾ x 1 ¼ inch
Temperature.	Storage: - 40° to + 158°F (-40° to + 70°C) Operating: + 32° to + 122°F (0° to + 50°C)
Power	6 vDC, 300mA