1x4 HDMI CAT5e Distribution Amplifier with Local Loop-Out and 3D support
Quick Installation Guide

Introduction

The *1x4 HDMI CAT5e Distribution Amplifier with Local Loop-Out and 3D support* provides the most flexible solution by which the high definition video and high quality audio can be transmitted to different locations over a long distance.

Key Features and Benefits
- HDMI and HDCP compliant
- Supports HDMI Deep Color & full 3D
- Regenerates HDMI signals and allows cascading
- Local HDMI output
- Uncompressed & unaltered 7.1 channel digital HDMI audio
  - Full HD (1080p): 165ft with CAT6 & 130ft with CAT5e
  - HD (720p/1080i): 200ft with CAT6 & 165ft with CAT5e
- Supports default HDMI EDID and has the ability to learn the EDID of displays

Package Contents
- 1x4 HDMI CAT5e Distribution Amplifier with Local Loop-Out and 3D support
- Power adapter (5V/4A)
- Quick installation guide

Layout

Signal   Power

Figure 1 Front Panel

- **Power:** LED on when the *1x4 HDMI CAT5e Distribution Amplifier* is powered on
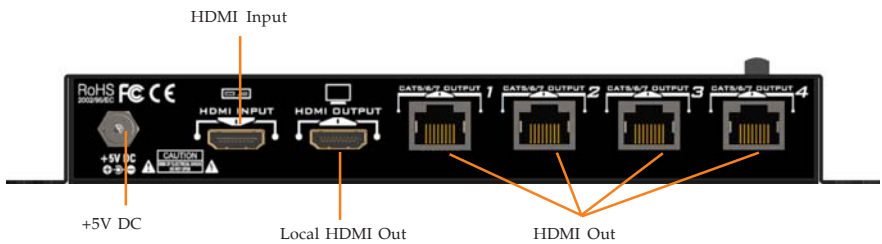- **Signal:** LED on when the HDMI source device is powered on

HDMI Input

+5V DC   Local HDMI Out   HDMI Out

Figure 2 Rear Panel

- **+5V DC:** Power adapter jack for the included 5V power adapter
- **HDMI Input**: Connect HDMI source here
- **Local HDMI Out**: HDMI output for local monitor
- **HDMI Out:** HDMI signal output 1-4 to link to the displays over CAT5/5e/6 cabling and terminated by the receivers (**CE-H20111-S1** or **CE-H20211-S1**).
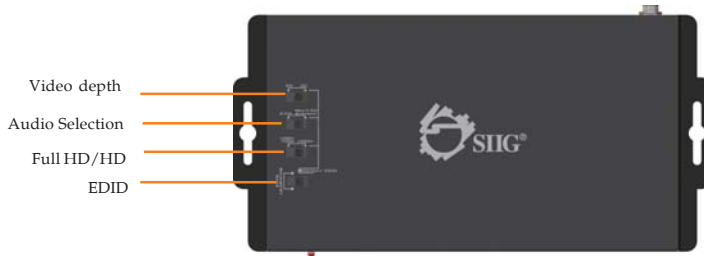
Figure3 Top layout

	Left Position	Right Position
Video depth	2D	3D
Audio selection	2 Channel	Multi Channel
Full HD/HD	HD (720p/1080i)	Full HD (1080p)
EDID	EDID Learning	Default EDID

Note: The default EDID setting should work in most cases. If the default EDID setting doesn't work with your display, see EDID Learning on page 4 for instructions.

Hardware Installation

Broadcasts HDMI signals to up to 4 remote displays.

1. Switch off all devices, including display(s).
2. Connect your **HDMI** source (such as a Blu-ray Disc player) to the *1x4 HDMI CAT5e Distribution Amplifier*'s **HDMI Input**.
3. Connect the local HDMI equipped monitor (optional).
4. Connect the *1x4 HDMI CAT5e Distribution Amplifier* to the receivers (CE-H20111-S1 or CE-H20211-S1) via CAT5e/6 cables.
5. Connect the **HDMI** cables from the receivers (**CE-H20111-S1 or CE-H20211-S1**) to the **HDMI** display(s).
6. Plug the included power adapter into the **+5VDC** power adapter jack.
7. Power on all devices.

EDID Learning

EDID is used to transmit the make, model and characteristics of a monitor to the display adapter in the computer. It is also used by an HDTV to identify it's maximum resolution to the DVD player, A/V receiver or video processor.

1. Power up the off the *1x4 HDMI CAT5e Distribution Amplifier*.
2. Power off the display/HDTV. Connect the display/HDTV to the *1x4 HDMI CAT5e Distribution Amplifier's* HDMI output.
3. Set the EDID switch to the left position.
4. Power on the display/HDTV.
5. Wait for about 5 seconds to complete the EDID learning process.
6. The EDID learning process is complete. Please go back to the **Hardware Installation** section on this page and try again.

Notes

1. All HDMI over CAT5 transmission distances are measured using Belden CAT5e 125MHz LAN cable and ASTRODESIGN Video Signal Generator VG-859C.

2. The transmission length is largely affected by the type of LAN cables, the type of HDMI sources, and the type of HDMI displays. The testing result shows solid LAN cables (usually in bulk cable 300m/1000ft form) can transmit longer distances than stranded LAN cables (usually in patch cord form).

   Shielded STP cables are better suited than unshielded UTP cables. A solid UTP CAT5e cable shows longer transmission distance than stranded STP CAT6 cable. For long extension users, solid LAN cables are your best choice.

3. EIA/TIA-568-B termination (T568B) for LAN cables is recommended for better performance.

4. To reduce the interference among the unshielded twisted pairs of wires in the LAN cable, you can use shielded LAN cables to reduce EMI problems.

5. Because the quality of the LAN cables has a major effect in the transmission distance, the actual transmission length is subject to your LAN cables. For resolution greater than 1080i or 1280x1024, a CAT6 cable is recommended.

6. If your HDMI display has multiple HDMI inputs, it is found that the first HDMI input (HDMI input #1) generally can produce better transmission performance among all HDMI inputs.

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Technical Support and Warranty

QUESTIONS? SIIG's **Online Support** has answers! Simply visit our web site at *www.siig.com* and click **Support**. Our online support database is updated daily with new drivers and solutions. Answers to your questions could be just a few clicks away. You can also submit questions online and a technical support analysts will promptly respond.

SIIG offers a 3-year manufacturer warranty with this product. This warranty covers the original purchaser and guarantees the product to be free of any defects in materials or workmanship for three (3) years from the date of purchase of the product.

SIIG will, at our discretion, repair or replace (with an identical product or product having similar features and functionality) the product if defective in materials or workmanship. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Please see our web site for more warranty details.

If you encounter any problems with this product, please follow the procedures below.

A) If it is within the store's return policy period, please return the product to the store where you purchased from.

B) If your purchase has passed the store's return policy period, please follow the steps below to have the product repaired or replaced.

> **Step 1:** Submit your RMA request.
>
> Go to **www.siig.com**, click **Support**, then **RMA** to submit a request to SIIG RMA or fax a request to 510-657-5962. Your RMA request will be processed, if the product is determined to be defective, an RMA number will be issued.
>
> **Step 2:** After obtaining an RMA number, ship the product.
>
> - Properly pack the product for shipping. All accessories that came with the original package must be included.
> - Clearly write your RMA number on the top of the returned package. SIIG will refuse to accept any shipping package, and will not be responsible for a product returned without an RMA number posted on the outside of the shipping carton.
> - You are responsible for the cost of shipping to SIIG. Ship the product to the following address:
>   **SIIG, Inc.**
>   **6078 Stewart Avenue**
>   **Fremont, CA 94538-3152, USA**
>   **RMA #:** _____
> - SIIG will ship the repaired or replaced product via Ground in the U.S. and International Economy outside of the U.S. at no cost to the customer.

About SIIG, Inc.

Founded in 1985, SIIG, Inc. is a leading manufacturer of IT connectivity solutions (including Serial ATA and Ultra ATA Controllers, FireWire, USB, and legacy I/O adapters) that bridge the connection between Desktop/Notebook systems and external peripherals. SIIG continues to grow by adding A/V and Digital Signage connectivity solutions to our extensive portfolio.

SIIG products offer comprehensive user manuals, many user-friendly features, and are backed by an extensive manufacturer warranty. High quality control standards are evident by the overall ease of installation and compatibility of our products, as well as one of the lowest defective return rates in the industry. SIIG products can be found in computer retail stores, mail order catalogs, through major distributors, system integrators, and VARs in the Americas and the UK, and through e-commerce sites.