



1x2 HDMI 2.0 HDR Distribution Amplifier with EDID Management - 4Kx2K 60Hz

User Reference Guide



P/N:CE-H22X11-S1

Introduction

The *1x2 HDMI 2.0 HDR Distribution Amplifier with EDID Management - 4Kx2K 60Hz* broadcasts *HDMI A/V* signals from one HDMI source to two displays simultaneously, an advanced HDMI splitter solution.

Key Features and Benefits

- Supports HDR, HDMI 2.0, HDCP 2.2, 4Kx2K@60Hz (4:4:4) and 7.1 ch surround sound audio
- Auto video scaling feature detects and configures the video resolution automatically according to the capabilities of each connected monitor
Note: When the input source is 4Kx2K @60Hz, it will only output at 1080p @60Hz for 4Kx2K @30Hz monitors
- High quality materials with metal housing extend the stability and durability, allowing for long hours of operation
- Built-in EDID management and firmware update mechanism further expands compatibility
- Individual LED indicators for power and signal allow for easy and quick recognition

Specifications

Video Bandwidth	up to 18Gbps (single-line 600MHz)
Video Support	480p/720p/1080i/1080p/ HDR 4K2K@60Hz (4:2:0 10bits) / 4K2K@60Hz (4:4:4 8bits)
Audio Support	DTS-HD Master Audio, Dolby TrueHD Dolby Digital, DTS, DVD-Audio, LPCM, SACD, MPCM
Connectors	1x 19-Pin, HDMI, Type A, Female, Input 2x 19-pin, HDMI, Type A, Female, Output
Housing Material	Metal
Power Adapter	Input: AC 100-240V / 50~60Hz Output: DC 5V / 2A
Dimensions	4.72" (W) x 0.91" (H) x 2.48" (D)
Weight	0.42lbs
Operating Temperature	32 to 104 degrees F
Storage Temperature	-4 to 140 degrees F
Relative Humidity	20% to 90% RH (non-condensing)

Package Contents

- *1x2 HDMI 2.0 HDR Distribution Amplifier with EDID Management - 4Kx2K 60Hz*
- Power adapter
- User Reference Guide

Layout

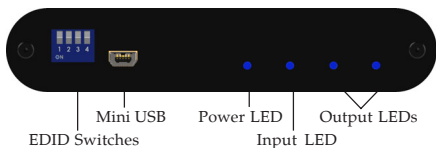


Figure 1: Front side

- **EDID Switches:** Refer to the table to configure EDID on Page 5
- **Mini USB:** For future firmware update
- **Power LED:** On when the unit is powered
- **Input LED:** On when input signal is detected
- **Output LEDs:** On when output signals are detected

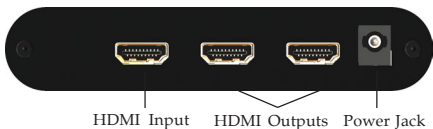


Figure 2: Rear side

- **HDMI Input:** Connects to HDMI source device by HDMI cable (cable not included)
- **HDMI Outputs:** Connects to your HDMI displays by HDMI cables (cables not included)
- **Power Jack:** Connects to the included power adapter

EDID Setting

There are 8 settings.

-"1": The button on the upper position

-"0": The button on the lower position

Switch Position	Description
Pin 1	
1	Working Mode
0	Firmware Update Mode <i>(Note: In this setting, the unit won't work since it's for firmware updates)</i>

Switch Position			Description
Pin 2	Pin 3	Pin 4	
1	1	1	Ultra HD(4K2K@60Hz) - 8/10/12bit 3D HDR video & 7.1ch audio
0	1	1	Ultra HD(4K2K@60Hz) - 8/10/12bit 3D HDR video & 2ch audio
1	0	1	Ultra HD(4K2K@30Hz)(4K2K@60Hz 4:2:0) - 8bit 3D HDR video & 7.1ch audio
0	0	1	Ultra HD(4K2K@30Hz)(4K2K@60Hz 4:2:0) - 8bit 3D HDR video & 2ch audio
1	1	0	Full-HD(1080p@60Hz) - 12bit 3D video & 7.1ch audio
0	1	0	Full HD(1080p@60Hz) - 8bit 2D video & 2ch audio
1	0	0	Learning EDID from output 1
0	0	0	Auto EDID analysis learning mode*

*Auto EDID analysis learning mode will detect all the connected HDMI monitors and analyze their EDID. The monitor with highest capabilities will be the reference EDID for all HDMI outputs.

Application

Transmits HDMI signals from one HDMI source to two displays simultaneously.

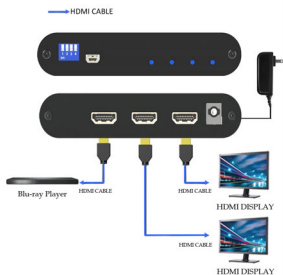


Figure 3

Auto video scaling feature detects and configures the video resolution automatically according to the capabilities of each connected monitor.

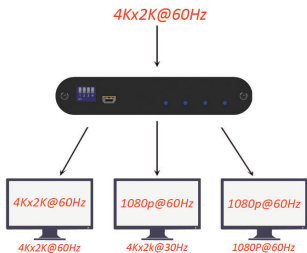


Figure 4

Note: When the input source is 4Kx2K @60Hz, it will only output at 1080p @60Hz for 4Kx2K @30Hz monitors. *720p and 480p monitors not supported

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 analyst 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. This warranty is not transferable and is available only to the original purchaser 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 **REQUEST A PRODUCT REPLACEMENT** 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
- Include a copy of your original sales receipt inside the package with date of purchase and place of purchase circled and clearly visible
- 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, VARs and through e-commerce sites.

PRODUCT NAME

1x2 HDMI 2.0 HDR Distribution Amplifier with EDID Management -
4Kx2K 60Hz

FCC RULES: TESTED TO COMPLY WITH FCC PART 15, CLASS B
OPERATING ENVIRONMENT: FOR HOME OR OFFICE USE

FCC COMPLIANCE STATEMENT:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

THE PARTY RESPONSIBLE FOR PRODUCT COMPLIANCE

SIIG, Inc.
6078 Stewart Avenue
Fremont, CA 94538-3152, USA
Phone: 510-657-8688

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