4Kx2K HDMI 2/4-Port Splitter with 3D Supported Installation Guide

Introduction

4Kx2K HDMI 2/4-Port Splitter with 3D Supported distributes one HDMI source signal to two / four displays simultaneously.

Key Features and Benefits

- Distributes one HDMI source signal to two/ four displays simultaneously without signal degradation
- Works flawlessly with most HDMI equipped source and display devices such as desktops, notebooks, tablets, DVD/Blu-ray players, home theater systems, gaming stations, monitors, TVs, video projectors, etc
- Premium metal housing delivers superior heat dissipation for long life and stable operation in any environment
- Individual LED indicator shows the status of each HDMI port

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- Provides a wide range of applications such as home theatre, digital signage, surveillance system, information center, conference, meeting, or presentation

Specifications

Part No.	CE-H22B12-S1	CE-H22C12-S1
HDMI Output Port	2	4
Spec.	HDMI v1.4	
Compliance	HDMI 4Kx2K, Deep Color, 3D	
Video Bandwidth	Single-link 340MHz (10.2Gbps)	
Video support	480p / 720p / 1080i / 1080p@60 / 4Kx2K@30	
Audio support	DTS-HD / Dolby-trueHD / LPCM7.1	
Connectors	Input: HDMI x 1 Output: HDMI x 2	Input: HDMI x 1 Output: HDMI x 4
Resolution	Up to 4K x 2K	
HDCP	Yes	
EDID	Yes	
Cable distance (4Kx2K)	Input: 5m (Max.) for HDMI standard cable (AWG 28) Output: 10m (Max.) for HDMI standard cable (AWG 26)	
Power switch	No	Yes
Power adapter	DC 5V/1A	
Housing	Metal enclosure	
Operating temperature	14 to 131 ° F	
Storage temperature	5 to 158 ° F	
Dimensions	4.17" (W) x 0.83" (H) x 2.04" (D)	7.01" (W) x 0.83" (H) x 2.64" (D)
Weight	5.28oz	9.12oz
Humidity range	5 to 90% RH (non-condensing)	

Package Contents

- 4Kx2K HDMI 2/4-Port Splitter with 3D Supported
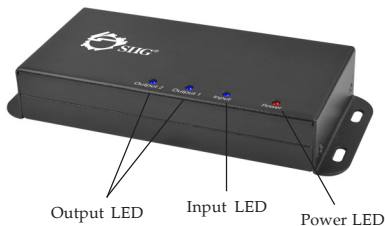- Power Adapter
- Installation guide

Layout

Front Panel

Output LED   Input LED   Power LED

Figure 1: 4Kx2K HDMI 2-Port Splitter with 3D Supported (CE-H22B12-S1)

Power LED

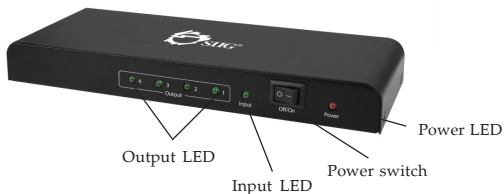Output LED   Input LED   Power switch

Figure 2: 4Kx2K HDMI 4-Port Splitter with 3D Supported (CE-H22C12-S1)

- **Power LED:** On when the power is connected
- **Input LED:** On when the input signal is detected
- **Output LED:** On when the output signal is detected
- **Power switch:** Turns On/Off the *splitter* (Applies to CE-H22C12-S1 only)
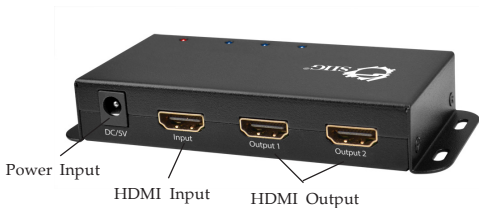
Rear Panel

Power Input
HDMI Input
HDMI Output

Figure 3: 4Kx2K HDMI 2-Port Splitter with 3D Supported (CE-H22B12-S1)
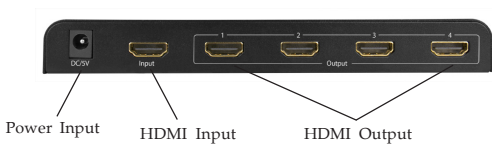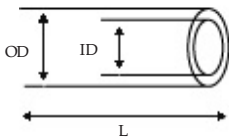

Power Input
HDMI Input
HDMI Output

Figure 4: 4Kx2K HDMI 4-Port Splitter with 3D Supported (CE-H22C12-S1)

- **Power Input:** Connect the included power adapter here
- **HDMI Input:** Connects to HDMI source
- **HDMI Output:** Connects to HDMI displays or TVs

DC Power Jack

- Refer to the table below for the specifications of the power adapter.

Outside diameter (OD)	Inside diameter (ID)	Plug length (L)	Negative / Positive
5.5(mm)	2.1(mm)	10(mm)	$-\!-\!\bigodot\!-\!+$ *Center pin for positive voltage and the outer shield for negative voltage

Table 1: Power Jack Specifications

Hardware Installation

1. Power off all devices you plan to connect to this *splitter*.
2. Connect your HDMI source's HDMI out to the *splitter's* **HDMI Input** using an HDMI cable (HDMI cable not included).
3. Connect your HDMI displays to the *splitter's* **HDMI Outputs** using HDMI cables (HDMI cable not included).

    Note: It is recommended to connect identical displays or displays that support the same resolutions for the best results.

4. Connect the included power adapter to the *splitter's* **Power input** and plug it into a reliable power outlet.
5. Power on all of the connected devices.
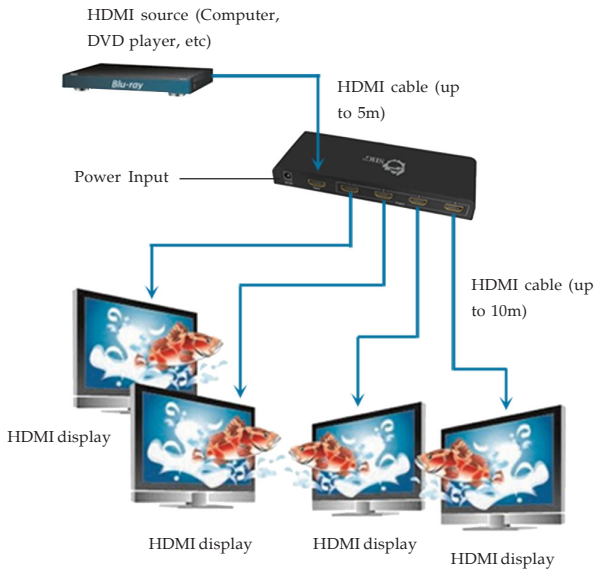6. The *splitter* is now ready to use.

Application

HDMI source (Computer, DVD player, etc)

HDMI cable (up to 5m)

Power Input

HDMI cable (up to 10m)

HDMI display

HDMI display

HDMI display

HDMI display

Figure 5: Application

FAQ & Solutions

Q1: Does the *Splitter* support EDID function?

A1: Yes, and the EDID is recognized by the first connected display.

Q2: The display(s) are blank after I finish the installation.

A2: It may take a few seconds to sync with the *Splitter*, the actual time depends on the connected display(s) and HDMI cable.

Q3: If you experience one or both issues, please follow the steps below to resolve it:

- Some displays aren't operating properly.
- I would like to recognize another EDID.

A3: Unplug all connected devices from the *Splitter* and power them off including the *Splitter*. Redo the Hardware Installation on page 6, in **step 3** connect the display which supports the **lowest resolution first**, followed by higher ones in succession.

> **Note:** Do not connect the next display until the previous display is working properly.

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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 analyst will promptly respond.

SIIG offers a 2-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 two (2) 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 **REQUEST A PRODUCT REPLACEMENT** to submit a request to <u>SIIG RMA</u> 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.

PRODUCT NAME

4Kx2K HDMI 2/4-Port Splitter with 3D Supported

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

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