



# 1 x 2 HDMI Distribution Amplifier with 3D and 4K x 2K

## Quick Installation Guide

### Introduction

The *1x2 HDMI Distribution Amplifier with 3D and 4K x 2K* provides the most cost effective and advanced HDMI splitter solution by which high definition video and high quality audio can be transmitted to 2 different locations without losing quality.

### **Features and Benefits**

- Broadcasts HDMI signals from one source to two displays
- Supports HDMI Deep Color & 3D
- Supports videobandwidth up to 340MHz (10.2Gbps)
- Supports 1080p and up to 4Kx2K PC resolution
- Automatic EDID learning

### **Package Contents**

- *1x2 HDMI Distribution Amplifier with 3D and 4K x 2K*
- Power adapter (5V) & power cord
- Screw kit
- Quick installation guide

# Layout

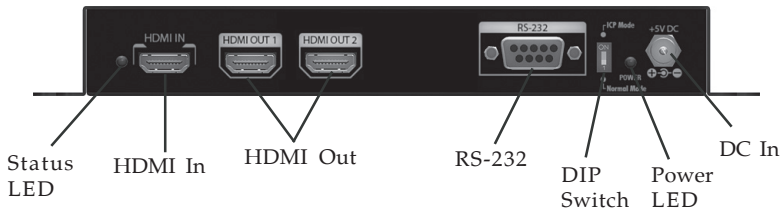


Figure 1: Rear Panel

- **Status LED:** Indicates the status of the splitter. Green LED means the transmission signal is detected
- **HDMI In:** Connect your HDMI source here
- **HDMI Out 1 & 2:** Connect your HDMI displays here
- **RS-232:** For firmware update use only
- **DIP Switch:** Changes between normal work mode and firmware update mode. Please keep the switch down at position 1 for normal work mode. See the instructions on page 5 for firmware update, if needed
- **Power LED:** Power LED in red light means the power is on
- **DC In:** Power jack for 5V/4A DC power adapter

## Hardware Installation

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General instructions for connecting devices are provided below. Please consult your device's users manual for more information, if needed.

1. Power off all devices, including monitors.
2. Connect your HDMI source (such as a Blu-ray DVD player) to the **HDMI In**.
3. Connect your HDMI display(s) to the **HDMI Out(s)**. (HDMI 1.4 TV recommended)
4. Plug in 5V 4A DC power supply.
5. Power on all devices.

## Notes

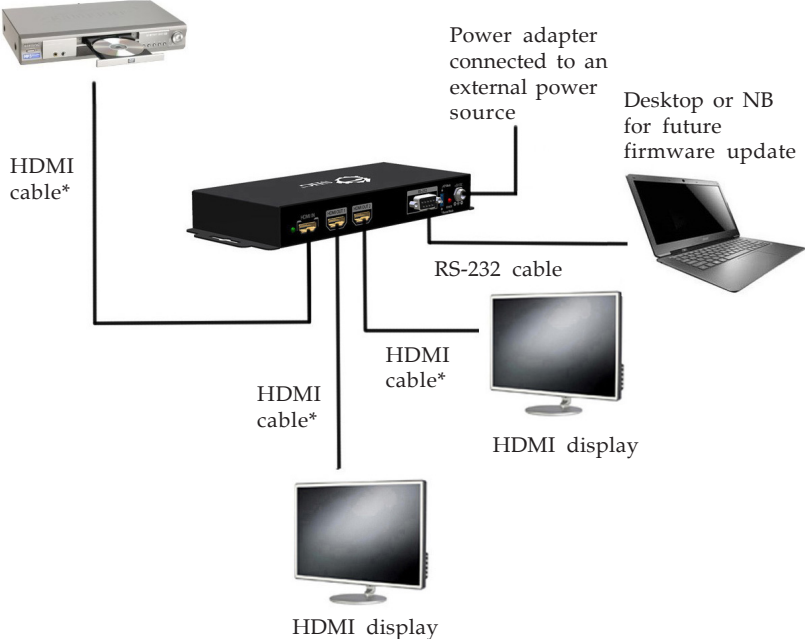
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1. For transmitting over long distance and high definition transmission, we suggest an HDMI over CAT 5/6 extender.
2. When a new display is connected to the splitter, the splitter will automatically configure the connected display. Please wait several seconds for the signal output, this delay is normal.

# Application

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HDMI source  
(desktop, NB,  
DVD player)



\* Transmission distance is up to 5m for input, and 10m for output.

**Figure 2: Application**

## Firmware Update

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Follow the instructions below to update the firmware when suggested to do so.

1. Power off the switch.
2. Set the DIP switch up to **ON**.
3. Connect an RS-232 cable between your PC and the RS-232 connector of the switch.
4. Open the firmware update software, set the correct COM port and baud rate, see **Figure 3**. **Note:** baud rate 57600 is required.

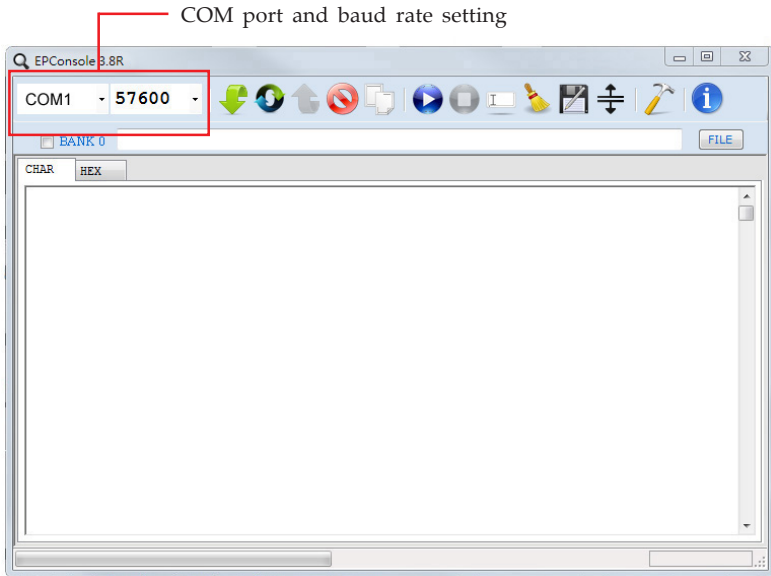


Figure 3

5. Click **File** button and select the firmware HEX or BIN file, see **Figure 4** on page 6.
6. Power on the switch and press the **Program MCU** symbol, see **Figure 4** on page 6.

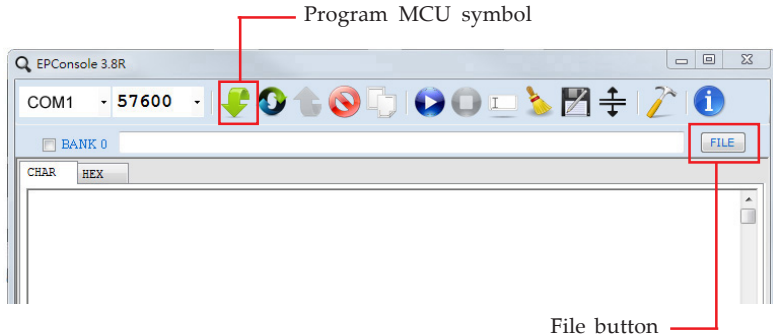


Figure 4

7. Once the process is done, power off the switch and disconnect it from the computer.
8. Set the DIP switch back to position 1.
9. Power up the switch again to complete the firmware update.

## Safety Precautions

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Please read and follow the safety guidelines to protect yourself from possible injury and to minimize the risk of damage to your equipment.

- Follow all instructions and warnings marked on the unit
- Provide proper ventilation and air circulation, do not use near water
- Do not service the unit by yourself
- Use only the power adapter and accessories that came with the unit
- Keep objects that might damage the device a safe distance away
- Place the unit on a stable surface

# Technical Support and Warranty

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**QUESTIONS?** SIIG's **Online Support** has answers! Simply visit our web site at [www.siig.com](http://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.

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 it.

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

**Step 1:** Submit your RMA request. Go to [www.siig.com](http://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 software, cable(s) and any other 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.

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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. All centered around the distribution and switching of A/V signals over CAT5/6, these products include matrix switches, distribution amplifiers, extenders, converters, splitters, cabling, and more.

SIIG is the premier one-stop source of upgrades and is committed to providing high quality products while keeping economical and competitive prices. High-quality control standards are evident by one of the lowest defective return rates in the industry. Our products offer comprehensive user manuals, user-friendly features, and most products are backed by a lifetime warranty.

SIIG products can be found in many computer retail stores, mail order catalogs, and e-commerce sites in the Americas, as well as through major distributors, system integrators, and VARs.

### **PRODUCT NAME**

1x2 HDMI Distribution Amplifier with 3D and 4K x 2K

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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