VGA/YPbPr & Audio to HDMI Converter Quick Installation Guide

Introducing the *VGA/YPbPr & Audio to HDMI*

The *VGA/YPbPr & Audio to HDMI Converter* offers an easy and inexpensive method of converting analog PC video (VGA) or component video (YPbPr) with either digital audio (S/PDIF) or analog stereo audio to digital HDMI.

Features and Benefits

- HDMI 1.2a compliant
- Supports PC video display resolutions up to UXGA (1600x1200) or WUXGA (1920x1200)
- Supports HD (1080i/720p) component video
- Coaxial S/PDIF and analog stereo audio inputs
- Front panel LED indicators

Technical Specifications

- Bandwidth: 1.65 Gbps
- Input video signal: 1.2 volts (peak to peak)
- Output DDC signal: 5V (peak to peak)
- HDMI connector: 19-pin female
- DSUB connector: 15-pin female
- RCA connector: coaxial S/PDIF (PCM 48KHz)
- Phone jack (3.5mm): analog stereo audio
- Power supply: 5V, 4A DC

Package Contents

- *VGA/YPbPr & Audio to HDMI Converter*
- 4 rubber pads
- VGA to YPbPr adapter
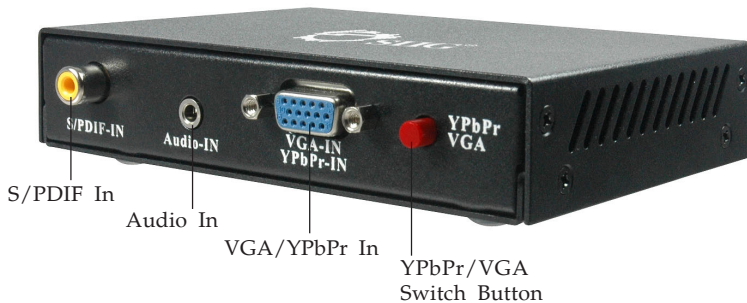- Power adapter (5V, 4A)
- Quick installation guide

Layout

S/PDIF In

Audio In

VGA/YPbPr In

YPbPr/VGA
Switch Button

Figure 1: Front Panel

Front Panel

- S/PDIF In: RCA connector, supports 2-channel stereo @ 48KHz audio sampling rate
- Audio In: 3.5mm stereo jack, supports 2-channel audio
- VGA/YPbPr In: Connects to your VGA or YPbPr video source
- YPbPr/VGA Switch Button: Selects your video source type: Out for YPbPr; Push in for VGA

Mode Switch

HDMI Detect

HDMI Out

HDMI Detect

Power LED

Power Jack

+5VDC

HDMI-OUT

Power

Figure 2: Rear Panel

Rear Panel

- Mode (DIP) Switch: See table below for the different settings
- HDMI Detect: Shows proper HDMI detection when lit
- HDMI Output: Connects to HDMI video display
- Power Indicator: Shows that the unit is powered on
- Power Jack (5V DC): Connects to the power adapter

Mode (DIP) Switch

1	2	Mode
OFF	OFF	Analog Audio Input
OFF	ON	S/PDIF Audio Input
ON	OFF	Write back default factory EDID into Flash Memory
ON	ON	Learn Monitor's EDID and Save into Flash Memory

Hardware Installation

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

• Provide proper ventilation and air circulation, do not use near water

• Keep objects that might damage the device a safe distance away and place the unit on a stable surface

• Use only the power adapter and accessories that came with the unit

• Do not use liquid or aerosol cleaners to clean the unit, always unplug the power to the unit before cleaning

1. Connect your VGA or YPbPr source to the **VGA/YPbPr In** connector. Using the **YPbPr/VGA Switch Button**, select your video source. See **Front Panel** on page 2 for more information.

2. Connect your S/PDIF or stereo audio source to either the **S/PDIF In** (RCA) or **Audio In** (3.5mm).

3. Connect your HDMI enabled video display to the **HDMI Out** connector.

4. Plug the power adapter into the **Power Jack**, then plug the power adapter into a reliable power source.
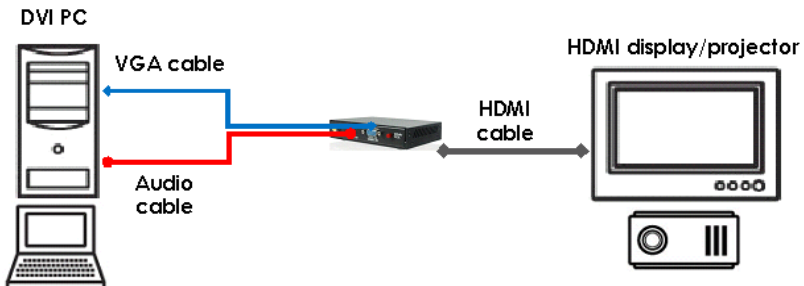

Figure 3: Hardware Application

Notes

1. Only HDMI enabled TVs with **Underscan/Overscan** support can accurately display full active video. If your TV does not support **Underscan/Overscan**, the top, bottom, left and right border of the active video may be screened off and the S/PDIF audio may not sound right.

    > **Note**: **Underscan** mode displays full video frame, with reveals content on the frame edge that is recorded. In **Overscan** mode, the field monitor zooms in to the area that would be visible on most TVs. Set the field monitor to **underscan** if your video will be viewed on a computer monitor or shown with a projector. Set the field monitor to **overscan** mode to see how the video will look on a TV.

2. Analog stereo audio only supports 2-channel audio. The *VGA/YPbPr & Audio to HDMI Converter* does not support 8-channel analog audio applications.

3. S/PDIF audio input supports 2-channel audio input at 48KHz audio sampling rate. Adjust your digital audio input to 48KHz in order to get the correct audio signal.

4. Your HDMI enabled display may not work properly if the EDID of the *VGA/YPbPr & Audio to HDMI Converter* is not compatible with it. In this case, use the **Mode Switch** to write the EDID of your HDMI display into the converter's flash memory. See **Mode (DIP) Switch** on page 3 for more information.

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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. 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 these steps 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. 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. 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 computer upgrade manufacturer of I/O connectivity products, including PCIe, PCI & ISA serial and parallel ports, USB, Serial ATA & UltraATA controllers, FireWire (1394a/b), networking, sound cards, and other accessories. SIIG is the premier one-stop source of upgrades.

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.