



Gefentv

HDMI To Composite/S-Video Scaler

GTV-HDMI-2-COMPSVIDS

User Manual

www.gefentv.com

1080P
PROGRESSIVE

HDMI
HIGH DEFINITION MULTIMEDIA INTERFACE

iDTV

HD DVD

Blu-ray Disc

ASKING FOR ASSISTANCE

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Notice

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INTRODUCTION

Congratulations on your purchase of the HDMI To Composite/S-Video Scaler. Your complete satisfaction is very important to us.

Gefen TV

Gefen TV is a unique product line catering to the growing needs for innovative home theater solutions. We specialize in total integration for your home theater, while also focusing on going above and beyond customer expectations to ensure you get the most from your hardware. We invite you to explore our distinct product line and hope you find your solutions. Don't see what you are looking for here? Please call us so we can better assist you with your particular needs.

The Gefen TV HDMI To Composite/S-Video Scaler

The new GefenTV HDMI to Composite Scaler lets you transform HDMI video of any resolution from 480i to 1080p into Composite video or S-Video, properly sized to view optimally on your display.

How It Works

Simply connect your HDMI video source to the HDMI input jack of the GefenTV HDMI to Composite Scaler. Connect your Composite or S-Video display cable to the correct video output jack on the Scaler's rear panel. RCA-type analog audio output jacks and Coaxial S/PDIF digital audio output jacks allow for the connection of an audio receiver or other device to receive the audio signal embedded in the HDMI signal. Power-cycle all connected components. You will then have HDMI video playing on your Composite or S-Video display with simultaneous audio out.

OPERATION NOTES

READ THESE NOTES BEFORE INSTALLING OR OPERATING THE HDMI TO COMPOSITE/S-VIDEO SCALER

- HDMI To Composite/S-Video Scaler converts 480i/p, 576i/p, 720p, 1080i/p to either NTSC 480i or PAL 576i.
- The HDMI To Composite/S-Video Scaler will cross convert between some digital audio formats. Both the digital and analog audio outputs are active at all times. The HDMI To Composite/S-Video Scaler will not, however, down-mix multi-channel digital audio formats to 2 channel analog stereo. Please see the chart on page 6 for more info.
- Please be sure to set the proper output format for your television. NTSC 60Hz is commonly used in the United States and Japan, while PAL 50Hz is commonly used in European countries. Using the improper format will result in a unrecognizable picture and may damage your TV set.
- HDMI 1.2 Compliant.
- HDCP encrypted HDMI sources are not supported by this device. If a connected HDMI source requires HDCP the outgoing video signal will result in a black screen.

FEATURES

Features

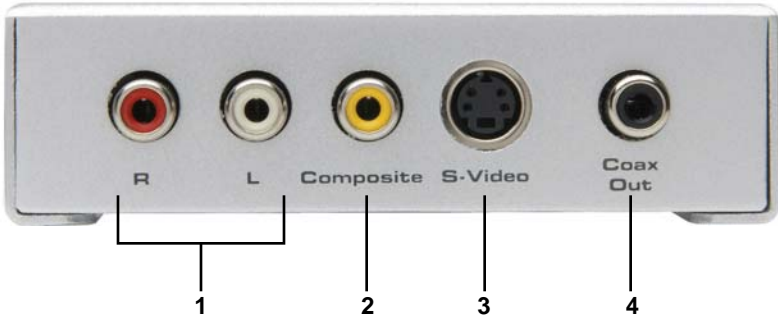
- HDMI to Composite / S-Video conversion plus scaling
- HDMI pass-through
- Supports 480i to 1080p HDMI input resolutions
- Outputs 480i / 576i signal for Composite/S-Video
- Supports both NTSC and PAL formats

Package Includes

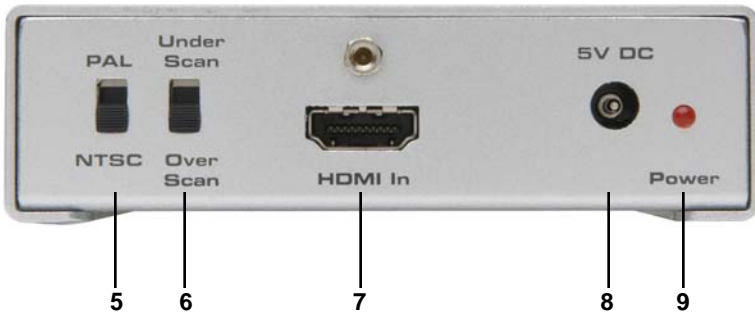
- (1) HDMI To Composite/S-Video Scaler
- (1) 6 Foot HDMI Cable (M-M)
- (1) 5V DC Power Supply
- (1) User's Manual

PANEL LAYOUT

Front Panel



Back Panel



PANEL DESCRIPTIONS

1 Stereo Analog Audio Output

2 RCA stereo analog audio outputs. Connects to the display or a audio receiver. Only 2 channel LPCM from the HDMI input can be passed to these outputs. Multi-channel bit-stream such as Dolby Digital will not be passed to this output.

2 Composite Analog Video Output

RCA composite video output. Connect to a composite input on a television. 480i and 576i are the only resolution output options.

3 S-Video Analog Video Output

S-Video video output. Connect to a s-video input on a television. 480i and 576i are the only resolution output options.

4 Digital Audio Output

Coaxial digital audio output. Connects to the display or a audio receiver. 2 channel LPCM and multi-channel bitstream can be output from this connector.

5 Video Format Output Switch

Switch between NTSC (60Hz) and PAL (50Hz) output. Please ensure that you use the proper output for you television. Using the wrong format will result in a unrecognizable picture and may damage your television.

6 Under/Over Scan Switch

Most analog television sets were designed to accept an over-scanned signal. If the resulting video signal displays a black border around the edges, use the over-scan option. If the resulting video signal is stretched far beyond the television's edge, use the under-scan option.

7 HDMI Input

Connect the HDMI source to this input connector. This will accept both video and audio through the HDMI connector.

8 5V DC Power Supply Input

Connect the included 5V DC power supply to this input.

9 Power LED

This LED will become active once the included power supply is properly connected.

CONNECTING AND OPERATING THE HDMI TO COMPOSITE/S-VIDEO SCALER

How to Connect the HDMI To Composite/S-Video Scaler

1. Connect the HDMI source to the HDMI To Composite/S-Video Scaler's HDMI input using the supplied HDMI cable.
2. Connect the display to the HDMI To Composite/S-Video Scaler's composite or s-video outputs using user supplied cables.
3. Connect the HDMI To Composite/S-Video Scaler's stereo analog audio output to the display or audio receiver. Optionally, you can connect the digital coaxial output to the display or an audio receiver.
4. Ensure that the proper video output format is set using the NTSC/PAL format switch on the rear panel of the unit. Please consult your television's manual for the proper input format type.
5. Connect the included 5V DC power supply to the HDMI To Composite/S-Video Scaler.
6. Once you have a video image on-screen, use the under/over scan switch to adjust the image's size.

NOTE: The HDMI To Composite/S-Video Scaler will cross convert between some digital audio formats. Both the digital and analog audio outputs are active at all times. The HDMI To Composite/S-Video Scaler will not, however, down-mix multi-channel digital audio formats to 2 channel analog stereo. Please see the chart below for supported input and output formats.

INPUT ►	HDMI MULTICHANNEL LPCM	HDMI 2 CHANNEL LPCM	HDMI DOLBY DIGITAL & DTS
OUTPUT ▼			
DIGITAL COAXIAL	YES *2 CHANNEL	YES	YES
ANALOG STEREO MINI-JACK	NO	YES	NO

*2 channels are the front right and front left speakers. It will not down-mix multi-channel to 2 channel audio

SPECIFICATIONS

Input Video Signal	1.2V p-p
Input Sync Signal	5V p-p (TTL)
Horizontal Frequency Range	15-70 KHz
Vertical Frequency Range	30-170 KHz
Video In/Out	1 L/R Composite RCA / 1 S-Video
Audio In/Out	2 L/R RCA audio, 2 S/PDIF digital audio
Power Consumption	10 Watts (maximum)
Power Supply	5V DC