Gefen tv

Home Theater Scaler Pro

GTV-HTS-PRO

User Manual

www.gefentv.com

ASKING FOR ASSISTANCE

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Notice
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Congratulations on your purchase of the Home Theater Scaler Pro. Your complete satisfaction is very important to us.

Gefen

Gefen delivers innovative, progressive computer and electronics add-on solutions that harness integration, extension, distribution and conversion technologies. Gefen's reliable, plug-and-play products supplement cross-platform computer systems, professional audio/video environments and HDTV systems of all sizes with hard-working solutions that are easy to implement and simple to operate.

The **Gefen Home Theater Scaler Pro** is a professionally Scaled Analog Video, Component and HDMI AV Sources Using the Acclaimed Realta Chip

The Gefen Home Theater Scaler Pro enables scaling, source switching and advanced enhancement of SD/HD Component and HDMI source content at resolutions of up to 1080p in full HD, with advanced and versatile audio/video signal processing abilities. Step up to the top-of-the-line Hollywood Quality Video (HQV) processor, providing true 12-bit color/10-bit processing with adaptive scaling, cadence detection, de-interlacing, noise reduction and improved images for projectors thanks to eWARP2 Geometry Processing. Enhance and scale AV content from such devices as set-top boxes, DVD players and gaming consoles such as the Xbox 360 and the PS3.

How It Works

Connect AV source(s) to the Home Theater Scaler Pro with an appropriate kind of input cable(s) for the source(s). Connect a display or projector to the Home Theater Scaler Pro's HDMI output connection. Plug in the power supply to the Home Theater Scaler Pro, and a beautiful HD picture will appear on the HD display. Easy-to-use on-screen menus, accessible using the IR remote control, allow for effortless setup and image adjustment to accommodate different viewing modes and screen sizes.

READ THESE NOTES BEFORE INSTALLING OR OPERATING THE HOME THEATER SCALER PRO

The GefenTV Scaler Pro can accept DVI video as input with an optional adapter cable, sold as Optional Accessories:-

DVI to HDMI Cables:

Copper Based DVI Cables: Copper based cables with lengths of 6,10,15,30 and 50 feet. HDMI use a much smaller, user-friendly connector than the DVI connector. The specification handles high-bandwidth, uncompressed video and multi-channel digital audio as well, all in one cable. These cables are HDCP compliant.

HDTV Resolutions Supported: The 1-30 foot cables are good for the following resolution: 480i, 480p, 720p, 1080i, 1080p. The 40 and 50 foot cables are good for resolutions up to 1080i. With a DVI Repeater/Booster the 40 and 50 foot cables are good for resolutions up to 1080p.

Computer Resolutions Supported: The 1-15 foot cables are good for resolutions up to 1920x1200. The 30 and 50 foot cables are good for resolutions up to 1280x1024. With a DVI Repeater/Booster the 30 and 50 foot cables are good for resolutions up to 1920x1200.
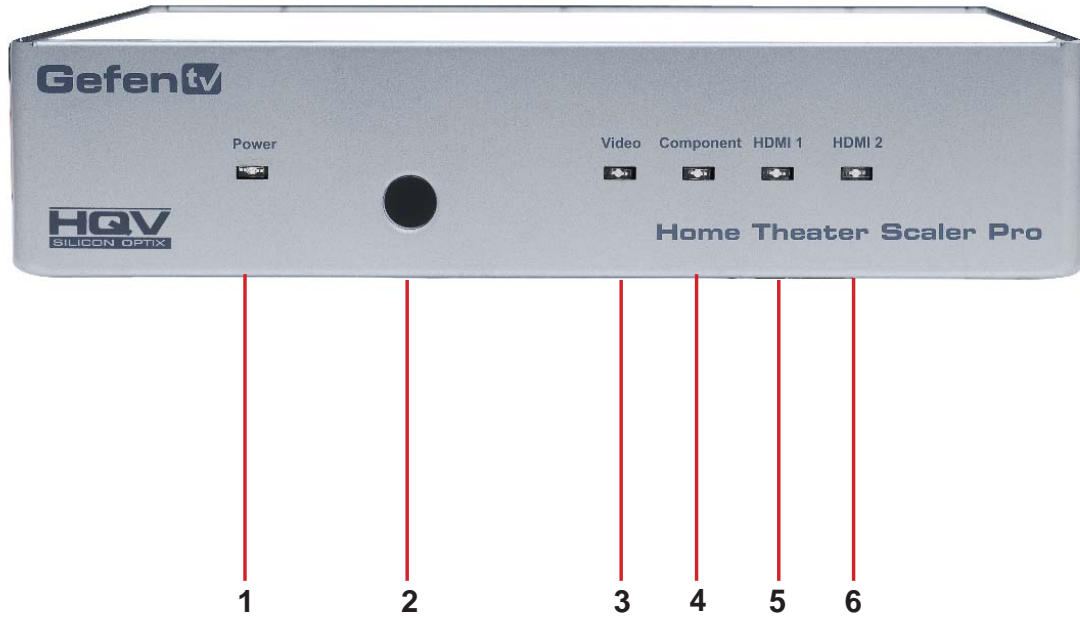
Features

- True 10-bit processing and 12-bit color support

- SQ/HD HQV four-field de-interlacing

- HQV multi-directional diagonal filtering

- HQV 4D per pixel motion adaptive noise reduction

- HQV detail enhancement and adaptive scaling

- HQV cadence detection: 3:2, 2:2, 3:2:3:2:2, 5:5, 6:4, 8:7

- HQV per-pixel video/film cadence detection

- eWARP2 Geometry Processing for use with projectors

- Full HDMI 8-channel delay to match video processing

- Supports HDMI 1.3 CEC source switching, lip sync

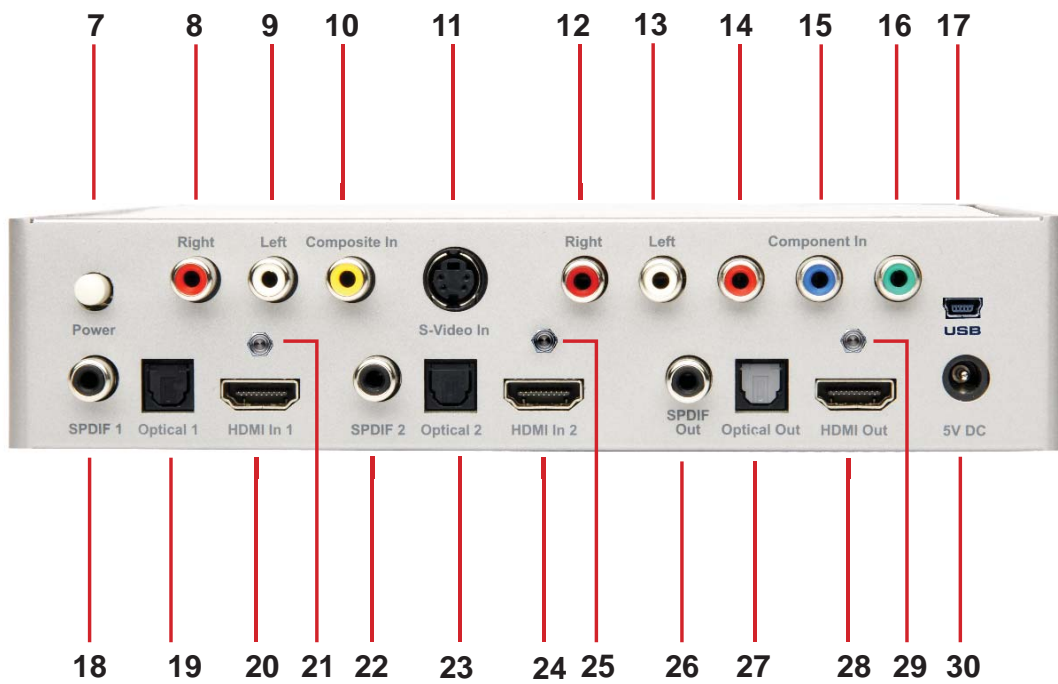- Supports HDMI 1.3 XV Color Space

Package Includes

(1) EXT-HTS-PRO

(1) 5VDC Power Supply

(1) 6-foot HDMI cable (M-M)

(1) Users Manual

PANEL LAYOUT

__Front Panel__

__Back Panel__

PANEL DESCRIPTIONS

1 - Power On LED
When this is lit, the Home Theater Scaler Pro is powered up.

2 - I/R Sensor Port
Point the remote at this port to control the Home Theater Scaler Pro

3 - Video Signal LED
When this is lit, video is passing through the system.

4 - Component Signal LED
When this is lit, component audio is passing through the system.

5 - HDMI - 1 Signal LED
When this is lit, HDMI Channel 1 is passing through the system.

6 - HDMI - 2 Signal LED
When this is lit, HDMI Channel 2 is passing through the system.

7 - Power On/Off Switch
This is the main power switch for the unit.

8 - Composite Right Audio
Use this jack to input right channel composite audio.

9 - Composite Left Audio
Use this jack to input left channel composite audio.

10 - Composite Video
Use this jack to input composite video.

11 - S-Video Input
Use this jack to input S-Video.

12 - Component Right Audio
Use this jack to input right channel component audio.

13 - Component Left Audio
Use this jack to input left channel component audio.

14, 15, 16 - Component Video Channel Jacks
Use these jacks to input Component RGB.

17 - Mini USB Programming Input
Use this jack to update Firmware.

18 - S/PDIF Channel 1 Input Jack
Use this jack to input S/PDIF Audio Channel 1..

19 - TOSLINK Input Jack
Use this jack to input Toslink Audio.

20 - HDMI 1 Input Jack
Use this jack to input HDMI Channel 1

21 - Screw-Locking Point for HDMI
Screw-down HDMI jacks attach here.

22 - S/PDIF Channel 2 Input Jack
Use this jack to input S/PDIF audio Channel 2.

23 - HDMI 1 Input Jack
Use this jack to input HDMI Channel 1

24 - Screw-Locking Point
Screw-down HDMI jacks attach here.

25 - HDMI 1 Input Jack
Use this jack to input HDMI Channel 1

26 - Screw-Locking Point
Screw-down HDMI jacks attach here.

27 - TOSLINK Output
Use this jack to output TOSLINK Audio

28 - HDMI 1 Output Jack
Use this jack to output HDMI Channel 1

29 - Screw-Locking Point
Screw-down HDMI jacks attach here.
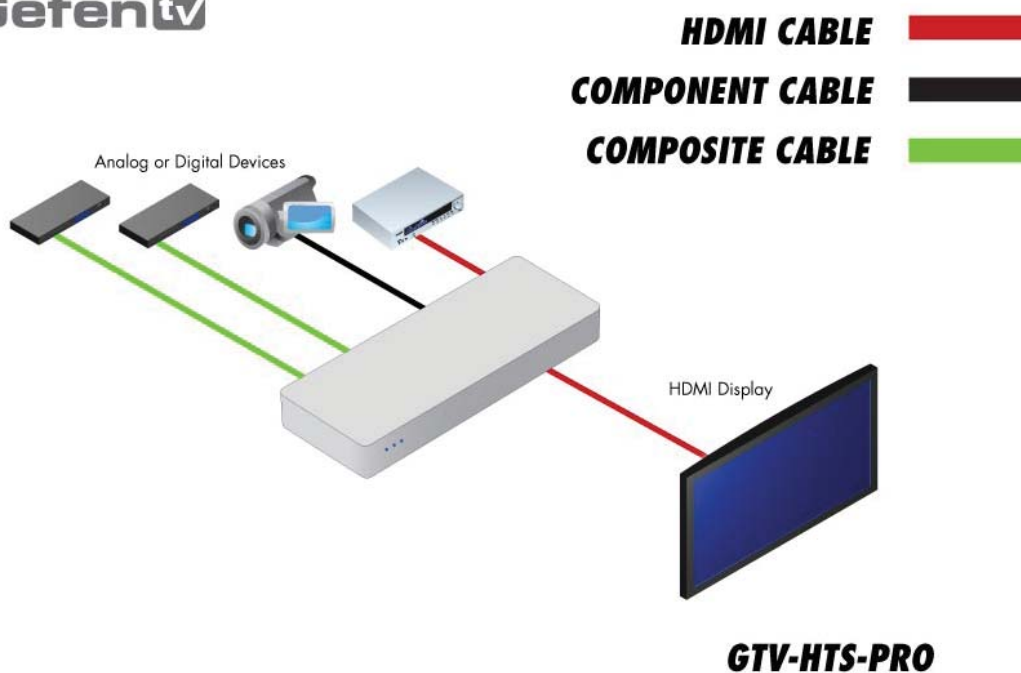
30 - 5VDC Power In Jack
Plug power jack in here.

How to Connect the Home Theater Scaler Pro

Connect AV source(s) to the GefenTV Scaler Pro with an appropriate kind of input cable(s) for the source(s). Connect a display or projector to the GefenTV Scaler Pro's HDMI output connection. Plug in the power supply to the GefenTV Scaler Pro, and a beautiful HD picture will appear on the HD display. Easy-to-use on-screen menus, accessible using the IR remote control, allow for effortless setup and image adjustment to accommodate different viewing modes and screen sizes.

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HDMI CABLE
COMPONENT CABLE
COMPOSITE CABLE

Analog or Digital Devices

HDMI Display

GTV-HTS-PRO

SPECIFICATIONS

Digital Video Amplifier Bandwidth.. 225 MHz

Input DDC Signal..5 Volts DC p-p (TTL)

Input Video Signal...1.2 Volts p-p

Single-Link Range..1080p / 1920x1200

Digital Video Connectors.......................................3 of HDMI type A, 19-pin female

Digital Audio Connectors...3 of S/PDIF, 3 of TOSLink

Analog Video Connectors..1 CS/SV/component

Analog Audio Connectors................................3 L/R RCA component / 1 mini-jack

Power Supply...5 Volt DC

Power Consumption...20 Watts (maximum)

Shipping Weight...8 lbs

WARRANTY

Gefen warrants the equipment it manufactures to be free from defects in material and workmanship.

If equipment fails because of such defects and Gefen is notified within two (2) years from the date of shipment, Gefen will, at its option, repair or replace the equipment, provided that the equipment has not been subjected to mechanical, electrical, or other abuse or modifications. Equipment that fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the time of repair. Such repairs are warranted for ninety (90) days from the day of reshipment to the Buyer.

This warranty is in lieu of all other warranties expressed or implied, including without limitation, any implied warranty or merchantability or fitness for any particular purpose, all of which are expressly disclaimed.

1. Proof of sale may be required in order to claim warranty.

2. Customers outside the US are responsible for shipping charges to and from Gefen.

3. Copper cables are limited to a 30 day warranty and cables must be in their original condition.

The information in this manual has been carefully checked and is believed to be accurate. However, Gefen assumes no responsibility for any inaccuracies that may be contained in this manual. In no event will Gefen be liable for direct, indirect, special, incidental, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages. The technical information contained herein regarding the features and specifications is subject to change without notice.

For the latest warranty coverage information, refer to the Warranty and Return Policy under the Support section of the Gefen Web site at www.gefen.com.

PRODUCT REGISTRATION

Please register your product online by visiting the Register Product page under the Support section of the Gefen Web site.

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This product uses UL listed power supplies.