

Gefen^{tv}®

4x1 A/V Switcher for HDMI extracts 5.1 Dolby Surround Sound Audio to Discrete Analog Channels



GTV-AUDDEC-N

Switch between 4 HDMI sources, 2 Digital Audio Sources, and 1 Analog Source to one display with 8 discrete analog audio outputs

The GefenTV 4x1 HD Switcher w/ Audio Decoding is ideal for anyone wanting to create Home Cinema systems using multiple HDMI audio/video sources. It offers an easy-to-use alternative to over-complicated Home Theater Receivers, while supporting 3DTV and the latest Blu-ray audio features.

The multichannel surround-sound digital audio is decoded from each HDMI source or from coax (S/PDIF), optical (TOSLINK™) digital audio, or analog audio source. The audio output provides discrete analog RCA outputs ready to connect to any 5.1 channel power amplifier.

Dolby® Digital 5.1, Dolby® Pro Logic II, LPCM direct stereo and multichannel surround-sound audio formats are supported. The front-left and front-right channels feature dual outputs for bi-amplification.

Advanced audio pre-processing ensures an optimal surround sound signal, and a bright LCD display menu guides operations. RS-232 control allows connection to remote control or home automation systems, with full feedback. One such system is the new Gefen GAVA automation system with PACS.

In addition, input / output 12V triggers allow for turning ON / OFF for power amplifiers or other A/V components.

How It Works

Switch between the four connected Hi-Def sources or digital audio or 2-CH analog audio. A Blu-ray player, gaming console, set-top box, DVD player, CD player and more can all be connected at the same time. If an HDMI source is selected, video is delivered in Hi-Def format to any HDTV display, and audio is delivered as 5.1 channel audio using standard RCA connectors. The HDMI output supports 3DTV making it ideal for future systems. Users can also select audio independent of video by using the digital or analog audio inputs, delivering 5.1-channel audio using Pro Logic II, enabling high quality surround-sound. When an audio input is selected, the previously selected HDMI source continues to output to the display, allowing users to watch the video source while listening to a different audio content.

Users control all features using the IR remote, the RS-232 port, or by front-panel push buttons.

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HDMI Features Supported

- 1080p Full HD
- Deep Color
- x.v.Color
- 3DTV pass-through
- Lip sync
- CEC pass-through

Features*

- Switches between four HDMI video sources to one HDMI output
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- Supports resolutions up to 1080p Full HD
- Dolby® Digital and Dolby® Pro Logic II certified
- Supports Dolby® Digital 5.1, Dolby® Pro Logic II, and LPCM 5.1 (up to 6 channels)
- Audio switching between two sources, Digital (coax and optical), and one L/R analog audio source
- 12V trigger input for remote control (turns unit on when 12V is received)
- 12V trigger output to power external amplifiers (12V DC out when unit is on)
- IR remote control (included)
- RS-232 port for automation
- Front-panel push-button controls
- IR Extension
- Line-level volume control
- HDCP-compliant

Specifications*

- Maximum Pixel Clock: 225 MHz
- Video Input Connectors: (4) HDMI Type A, 19-pin, female
- Audio Input Connectors: (1) S/PDIF (Coax), (1) TOSLINK (Optical), (1) L/R analog audio (2 x RCA female)
- Video Output Connector: (1) HDMI Type A, 19-pin, female
- Audio Output Connectors: (8) Analog audio (RCA female) (FL, FR, C, SUB, SL, SR, Bi-Amp FL, Bi-Amp FR)
- RS-232 Port: (1) DB-9, female
- IR Extender: 3.5mm mini-stereo jack
- Crosstalk: < -90 dB
- Maximum Input Level: 2.2V rms
- Signal-to-Noise Ratio: > 90 dB (20 Hz - 20 kHz A-weighted)
- Frequency Response: 20 Hz - 20 kHz ± 0.5dB
- Total Harmonic Distortion (THD+N): < 0.001% 1 kHz 2Vrms
- Trigger Input: (1) 12V DC sensor (Phoenix-type terminal block)
- Trigger Output: (1) 12V DC trigger (Phoenix-type terminal block)
- Power Supply: 24V DC
- Power Consumption: 15W (max.), 4W (standby)
- Dimensions (W x H x D): 6.9" x 2.1" x 6.9" (175mm x 53mm x 175mm)
- Shipping Weight: 6 lbs. (2.7 kg)

*All features and specifications are subject to change without notice. All trademarks and registered are the properties of their respective owners.

