Multi-Layer CASCADING

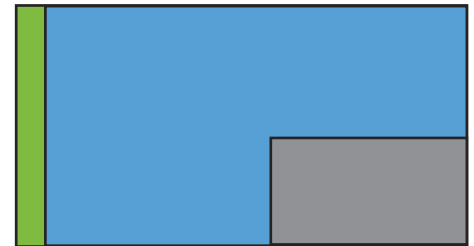# GEFEN TOOLBOX

4K Ultra HD 1:4 Splitter for HDMI

The Gefen GTB-HD4K2K-144C routes one Ultra HD source to four 4K Ultra HD displays. This HDCP-compliant product has been specifically designed to support multiple layers of splitting/cascading for flawless performance in large video distribution and signage applications, supporting hundreds of displays. Resolutions supported include 4K Ultra HD (3860 x 2160 at 60 Hz, 4:2:0 color space), 4K DCI (4096 x 2160 at 24 and 34 Hz), 1080p Full HD, and 1920x1200 (WUXGA). Deep Color, 3D, and multichannel digital audio including 7.1 channels of LPCM and HBR (High Bit Rate) lossless formats are also passed through. This product features Fast Switching Technology (FST). FST is a Gefen firmware implementation for HDMI products. It eliminates the lengthy HDMI authentication process, and allows disconnecting, reconnecting, or powering down HDTV displays without any of these activities causing picture loss in other displays within the same distribution system. The choice between built-in and passed-through EDIDs, and the ability to configure the EDID for 2-channel or multichannel operation help customize your AV system to meet its operational requirements. The Gefen 1:4 Splitter is a high performance and capable choice for any small or large 4K video distribution system.

How It Works

The Ultra HD 4K Splitter is connected between the Ultra Hi-Def source and four Ultra HD displays. One or all of its outputs can alternatively be connected to another Gefen splitter to create a cascaded system that distributes HDMI to a larger number of displays. Each splitter should also be connected to an AC outlet using the included power supply. Once the source and the displays are turned on and power is applied to the splitter(s), the 4K picture will appear on all connected screens without any further set-up.

4K ULTRA HD
60Hz, 4:2:0

4K CINEMA
DCI, 4096 x 2160

■ 4K Cinema-DCI (4096 x 2160)
■ 4K Ultra HD (3840 x 2160)
■ 1080p Full HD (1920 x 1080)

3D SUPPORT · **HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE** · **1080P PROGRESSIVE** · **HDCP** · **7.1 Audio** · **Advanced EDID Management**

Features*

- Simultaneously displays an Ultra Hi-Def source on up to four Ultra HD displays
- Specifically designed to support 10 layers of splitting/cascading in large video distribution and signage applications, supporting hundreds of displays
- Supports resolutions up to 4K DCI (4096 x 2160 at 24 and 30 Hz), 4K Ultra HD (3860 x 2160 at 60Hz, 4:2:0 color space),1080p Full HD, and 1920x1200 WUXGA
- Supports 12-bit Deep Color at 1080p
- 3DTV pass-through
- Lip Sync pass-through
- FST Technology speeds up HDCP authentication process
- EDID Management and Audio Mode selectors for rapid integration of source and displays
- Supports LPCM 7.1, Dolby® TrueHD, Dolby Digital® Plus, and DTS-HD Master Audio™
- Supports the use of DVI sources and DVI displays with HDMI-to-DVI adapters (not included)
- Field-upgradeable firmware using Mini-USB port
- Locking Power Supply
- Surface-mountable

Specifications*

- Maximum Pixel Clock: 300 MHz
- HDMI Input Connector: (1) Type A 19-pin female, locking
- HDMI Output Connectors: (4) Type A 19-pin female, locking
- USB Port: (1) Mini-B
- Power Indicator: (1) LED, blue
- FST Switch: (1) 2- position slide-type
- Audio Switch: (1) 2-position slide-type
- EDID Switch: (1) 2-position slide-type
- DC Power Connector: (1) Locking type
- Power Supply: 5V DC
- Power Consumption: 5 Watts (max.)
- Operating Temperature: +32 to 104 °F (0 to +40 °C)
- Dimensions (W x H x D): 3.0" x 9.0" x 1.0" (76mm x 228mm x 26mm)
- Shipping Weight: 2.7 lbs. (1.2 kg)

GEFEN TOOLBOX
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GTB-HD4K2K-144C-BLK

Version A2