HDBaseT Extender for HDMI
with Bi-Directional IR (IN/OUT) and POL

GTB-HDBT-POL-BLK

HDBaseT Extender for HDMI using one CAT-5e or CAT-6 cable up to 230 feet (70 meters)

The GTB-HDBT-POL uses Gefen's implementation of the HDBaseT™ technology to extend HDMI at resolutions up to 4K Ultra HD 60 Hz 4:2:0 and 4K DCI (Cinema), along with 7.1 channels of HBR (High Bit Rate) lossless digital audio.
Extension range at 1080p Full HD is up to 230 feet (70 meters) using one CAT-6 cable or up to 198 feet (60 meters) using one CAT-5e. This product provides 2-way IR extension between the Sender and the Receiver unit, allowing IR communications between the source and the viewing location. 2-way IR can be used to control A/V sources placed near the Sender unit and to send automation commands to the display or any other device placed near the Receiver unit. Gefen POL (Power Over Line) technology powers the Receiver unit using the same cable that extends the HDMI signal. This feature eliminates the need for an external power supply for the Receiver unit and simplifies installation.

How It Works

Connect the Sender unit to the Hi-Def source using an HDMI cable. Use another HDMI cable to connect the Receiver unit to the HDTV display. Connect a single CAT-6 cable up to 230 feet (70 meters) or CAT-5e cable up to 198 feet (60 meters) between the Sender and Receiver units. Connect the included 24V DC power supply in to the Sender unit and plug the power supply to an available electrical outlet. Power to the Receiver unit is delivered from the Sender unit over the CAT-5e/6 cable using Gefen POL technology. To control the Hi-Def source from the display location, connect an IR Extender (Gefen part no. EXT-RMT-EXTIRC) to the Ext IR connector on the Receiver unit. Connect an IR emitter (Gefen part no. GTB-IREMIT) to the IR Out of the Sender unit and place the IR emitter over the IR sensor of the Hi-Def source. Point the IR remote at the IR Extender to control the Hi-Def source. For IR control of a device placed near the Receiver unit (such as the display), connect the IR output from an automation device (such as the Gefen PACS or Mini PACS) to the IR In connector on the Sender unit. Connect an IR emitter (Gefen part no. GTB-IREMIT) to the IR Out on the Receiver unit and attach the IR emitter to the IR sensor of the device being controlled.

Features*

- Extends 4K Ultra HD (3840 x 2160 @ 60Hz 4:2:0, or 30Hz, 4:4:4) and Bi-Directional IR up to 130 feet (40 meters) over a single CAT-5e or CAT-6 cable (8-bit color)
- Extends 4K Ultra HD (4096 x 2160 @ 24 or 30Hz 4:4:4) and Bi-Directional IR up to 130 feet (40 meters) over a single CAT-5e or CAT-6 cable
- Extends HDMI at 1080p Full HD and Bi-Directional IR up to 230 feet (70 meters) over a single CAT-6 cable, or up to 198 feet (60 meters) over CAT-5e
- HDMI Features Supported:
  - HDMI 2.0
  - HDCP 2.2 and 1.4
  - 12-bit Deep Color
  - LPCM 7.1 audio, Dolby® TrueHD, Dolby Digital® Plus, and DTS-HD® Master Audio™
  - 3DTV pass-through
  - CEC pass-through
  - Lip Sync pass-through
- Bi-Directional IR extension
- Gefen POL feature provides power to the Receiver unit over the CAT-5e
- Uses HDBaseT™ technology
- Locking power connector
- Easy surface mounting

Specifications*

- Maximum Pixel Clock: 300 MHz
- Video Input Connector (Sender): (1) HDMI Type A 19-pin, female, locking
- Video Output Connector (Receiver): (1) HDMI Type A 19-pin, female, locking
- Link Connectors (Sender/Receiver): (1) RJ-45, shielded
- Power/HDCP Indicator LED: Bi-color: Blue/Amber
- IR Extender port (Receiver): 3.5mm mini-stereo jack
- IR Out port (Sender / Receiver): 3.5mm mini-mono jack
- IR In port (Sender): 3.5mm mini-mono jack
- Power Supply: (1) 24V DC, locking
- Power Consumption: 24W (max.)
- Dimensions (W x H x D) (Sender / Receiver): 4.3" x 1" x 3.2" (110mm x 26mm x 80mm)
- Shipping Weight: 4 lbs. (1.8 kg)

* Features and specifications are subject to change without notice.
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