

# Audio Authority 1398B 1x8 HDMI Distribution Amp/Splitter (HDCP/HDTV/3D/240Hz)

Model 1398B distributes HDMI audio and video signals from one source to eight HDMI displays. Use the unique CEC Auto-Reset feature if you want to be sure that all connected video displays remain on input1. This feature is especially useful in the retail demo environment, where customers can change inputs or turn TVs off. The 1398B sends a CEC reset command every 10 minutes to keep all TVs showing the intended content. The 1398B passes 3D signals, and indicates 3D content by an LED on each 1398B. Bitstream audio is also supported - including LPCM 7.1 channel uncompressed audio, Dolby Digital TrueHD (7.1), and DTS HD: Master Audio (7.1). Legacy codecs such as Dolby Digital and DTS core are also supported.

- Supports 1080p/60 and 1080p/24
- 36 bit Deep Color (sum of all channels)
- Dolby TrueHD and Dolby Digital Plus (bitstream throughput)
- DTS HD and DTS HD: Master Audio (bitstream throughput)
- LPCM Uncompressed Audio (7.1 channels)
- Lip-sync compensation
- Mounting brackets included

## Key Features

- CEC Auto-Reset feature can be used to keep all displays set to input 1
  - Outputs may be cascaded to create an extensive distribution network up to seven layers deep
  - HDCP keysets allow each output to work independently when connected to an HDMI display; supports automatic discovery of display EDID
  - Supports 3D content; LED indicates 2D HDMI (red) or 3D (orange).
  - Supports up to 36 bit color depth /12 bits per color (TMDS channel)
  - Supports resolutions up to 1080p@24/60Hz including 480i, 480p, 720p, 1080i, 1080p and multiple PC resolutions
  - Supports Dolby Digital Plus, Dolby® Digital TrueHD and ?DTS-HD: Master Audio
  - HDMI version 1.3 compliant, HDCP 1.1 compliant, DVI 1.0 compliant
  - Maximum HDMI cable length, source to input: 15m with 1080p/8bits or 1080p/12bits resolution (using 24AWG cables)
  - Maximum HDMI cable length, output to display: 15m with 1080p/8bits or 10m with 1080p/12bits resolution (using 24AWG cables)
- Equipment used for 3D cable length tests: PlayStation 3, 40" Samsung LED UA40B700 12 bits LCD TV

## Video/Audio Inputs/Outputs:

- HDMI: 1/8

## What makes the 1398B Unique?

- When activated, CEC Auto-Reset triggers a command every 10 minutes via the CEC (Consumer Electronics Control) circuit. Use this feature to keep all displays in the distribution network showing content on HDMI input1. This feature is very useful in retail environments or anywhere the public has access to TV controls, turning them off or changing inputs.
- EDID\* SWITCH: In TV mode the 1398B reads the EDID on output 1 and records it, then allows the source to send matching HDMI signals to the other seven HDMI outputs (supports 3D). In STD mode the 1398B uses its built-in EDID, which is set at 1080p@60/12bits for video and LPCM 2Ch for audio (does not support 3D). Use this setting if there is a problem getting the source to send a signal to all of the connected displays.