

BrightSign[®]
Built-In



MH10-HD

Audio-Video MediaHub

Advanced Audio Comparisons with CEC & ARC

- Advanced audio and video interaction for 10 outputs
- Custom EDID settings per HDMI output
- CEC control per HDMI output
- Injects Audio Return Channel (ARC)
- Dolby[®] Atmos[®] capable
- Control and customize video and/or audio signals on each HDMI output via serial commands
- Auxiliary audio outputs (analog and digital)
- Control via touchless sensors, buttons, or touch screen
- Update via microSD, serial commands, or IP
- Power saving function turns off displays after hours

The MH-10 creates a modern audio demo that leverages the latest HDMI standards to demonstrate the stunning audio capabilities of sound bars and other audio systems. Create level-matched audio demos across multiple devices and show video content on multiple displays using this flexible all-in-one device.

The MH10 is the first BrightSign-enabled demonstration device that outputs HDMI-ARC and HDMI video with embedded audio on any of its 10x HDMI outputs, in any combination. With a dedicated microcontroller to manage CEC, it is also the first to route the BrightSign DDC pathway to read the EDID of any of it's connected HDMI audio-video sinks to match the capabilities of the connected device.

Connect up to 20 push-buttons or touchless sensors, and numerous other interactive peripherals like touch screens, touch panels, and volume knobs to create an engaging experience.

ANALOG AUDIO OUTPUT (3.5MM) OPTICAL DIGITAL AUDIO OUTPUT (S/PDIF) ETHERNET PORT (RJ45)



BRIGHTSIGN STATUS INDICATORS

USB PORT (USB A 2.0)

HD MEDIA MICRO SD PORT

20 PUSH-BUTTON PORTS



10 HDMI PORTS



RS-232 CONTROL (RJ45)

NULL / STRAIGHT

RS-485 BUS (RJ45 X2)

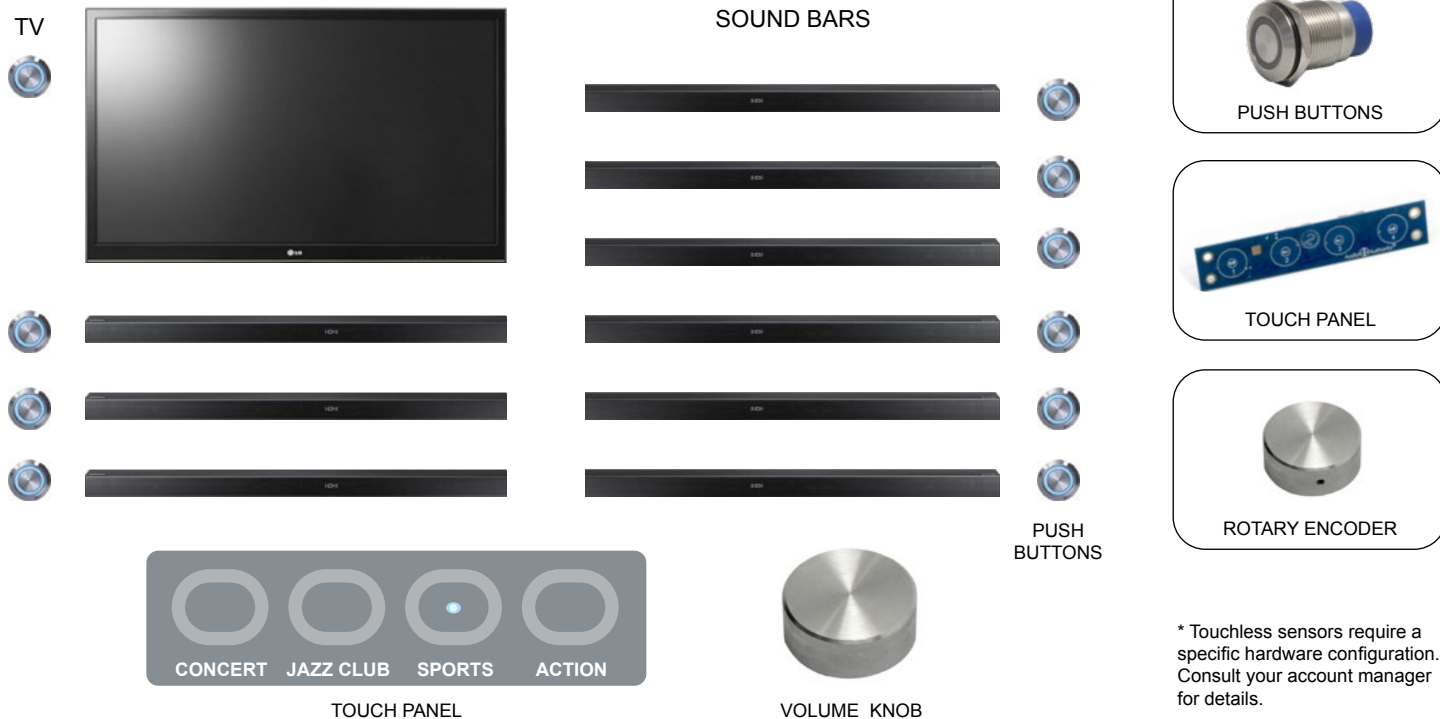
FIRMWARE UPDATE (MICRO SD)

**Additional charges may apply for custom programming.*

Example System:

Dolby® Atmos® Sound Bar Demonstration

The MH10-HD routes Dolby Atmos audio to nine sound bars, controlling volume via CEC at the speaker, creating a volume-matched demo. The 10th HDMI output is configured to deliver audio and video to the TV. The whole experience is orchestrated by a BrightAuthor program on the MediaHub. TV sound and sound bars are activated via push-buttons (or touchless sensors), media selections are chosen on the touch panel (via serial connection), and a rotary knob controls volume levels.



* Touchless sensors require a specific hardware configuration. Consult your account manager for details.

MH10-HD Specifications

See audioauthority.com/MH10-HD for full audio and video specifications.

- Embedded Audio Formats: Dolby formats up to 7.2 channel Dolby Atmos (other multi-channel formats such as DTS:X are not supported, but can be used for pass-through)
- Music Audio Formats: MP3 (mono or stereo) @ 44.4kHz or 48kHz, WAV (mono or stereo) @ 96kHz, 48kHz, or 44.1kHz
- Recommended Video Formats: MP4 and MOV (without metadata) with AAC or AC3 audio (pass-thru)
- Video Codecs: H.265, H.264 (MPEG-4, Part 10), MPEG-2, MPEG-1
- CEC communication (on-board microcontroller) to HDMI outputs (10x, routed)
- HDMI-ARC per output (10x, selectable)
- Standard In/Out: 1x RS232 port w/ Null/Straight Switch (RJ45), 2x RS485 Bus Ports (RJ45), 20x RJ9 PSB, 1x USB 2.0 (Type A), 1x 10/100/1000 Ethernet Port (RJ45)
Dimensions (HxWxD, inches): 5.4 x 5.2 x 1.8
- Power: 12V DC, 5A with power bus, (2x 5.5mm)

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The MH10-HD contains a complete BrightSign media player, with all the proprietary features, and offers more media outputs and more connectivity to multiple external devices. The MediaHub has a dedicated microcontroller to manage CEC communication.

