

## SP-HD-2B

2-Channel HDMI Splitter with Analog and Optical Audio Output and 4K Support



### FEATURES

- 1 x 2 HDMI 2.0 Splitter supports PC and HDTV resolutions from VGA to WQXGA and 480p to UHD 4K @ 60 Hz 4:4:4
- 18 Gbps bandwidth for a sharp digital image up to 4Kx2K
- Optional Downscaling of 4K to 1080p for each Output
- Extracts HDMI Audio to both L/R analog and TOSLINK (optical)
- Supports LPCM 7.1 CH, Dolby TrueHD, and DTS-HD Master Audio
- Plug and play installation with smart EDID management
- Unplugging one output will not cause interruption of the other
- Audio extraction does not require connected displays
- HDCP 2.2 compliant
- RS-232 configuration and control
- Mounting brackets included
- Universal power adapter
- LED indication for power, source, and output connections

### DESCRIPTION

The SP-HD-2B is a compact 2-port HDMI 2.0 splitter that can produce two identical outputs from a single HDMI or DVI source for display on two displays. It supports PC and HD resolutions from 480p up to UHD – 4K @60Hz 4:4:4. It is HDCP 2.2 compliant, and supports deep color, 3D, and HDMI audio formats including LPCM 7.1, Dolby TrueHD, and DTS-HD Master Audio. Each HDMI output can be independently downscaled from 4K to 1080p if needed.

The SP-HD-2B also extracts audio from the HDMI source and outputs it as analog (L/R) stereo and digital optical TOSLINK for connection to an audio amplifier or other device. If no display is connected, the SP-HD-2B will emulate a display using an internal EDID, so the source will still output HDMI video, and the splitter will still be able to extract the audio signal.

RS-232 is available for basic configuration and control, if needed. For convenience, a pair of mounting brackets and hardware is included for installation either under-desk or surface-mount.



Video Standards:	HDMI 2.0 video specifications including 12 bit color depth, 3D video, and 4K/60 DVI (single link) HDCP 2.2
Connectors:	HDMI (1x INPUT, 2x OUTPUT)
Bandwidth:	18 Gbps
Resolutions:	HDTV signal 480i through 4K/60 4:4:4 DVI signal - VGA (640x480) thru WUXGA (1920x1200)
Audio:	All HDMI embedded audio including: LPCM 7.1, Dolby TrueHD, and DTS-HD Master Audio (32-192 kHz sample rate)
Connectors:	3.5mm Stereo Analog
Optical:	S/PDIF Digital (TOSLINK)
Other Signals:	(1) RX, TX and GND on Terminal Strip RS-232 Baud Rate: 115200, N, 8, 1 USB-Mini for FW Update
Power:	100 VAC to 240 VAC, 47-63 Hz External 12V DC 1A with universal blades
Temp/Humidity:	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, non-condensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, non-condensing
Cooling:	Convection
Enclosure Type:	Metal (Steel)
Dimensions:	1.10" H x 5.35" W x 2.85" D (27.9mm H x 135.9mm W x 72.4mm D)
Product Weight:	Splitter alone: 1.0 lb Package (shipping): 2.0 lb Vibration ISTA 1A in carton (International Safe Transit Association)
Safety:	CE
EMI/EMC:	CE, FCC Class A
MTBF:	90,000 hours (Calculated Estimate)
Warranty:	3 years parts and labor

