

## LinkBridge™ 18G/4K HDMI Enhanced Splitter

### 1x2 or 1x4

### LB-H2-SP2E



### LB-H2-SP4E



## OVERVIEW

This Splitter is an advanced solution providing high performance audio and video support including HDR and other features defined by the HDMI 2.0 specification. 4K UHD HDMI video sources, up to and including 4K@60Hz (4:4:4, 8-bit) as well as 10/12-bit sources with HDR, are able to be passed along to 4 outputs. Pass-through of multiple digital audio formats such as LPCM 7.1, Bitstream and advanced HD Bitstream with audio sampling rates up to 192kHz are also supported. An independent HDCP management engine for each output ensures stable HDCP performance.

When a mixture of displays with different resolution formats are connected, the splitter will automatically maintain the highest resolution video format while offering 4K to 1080p scaling as needed, based on each connected display's EDID. Support for the CEC "active source" command to periodically reset input selection on CEC-compatible connected displays is also included. This unit is controllable via simple front-panel switches with easy to read informational LEDs.

## FEATURES

- HDMI with HDR, 3D & 4K@60Hz support, DVI 1.0 compatible
- HDCP 2.2 and HDCP 1.x compliant
- 1 HDMI input and 2 (LB-H2-SP2E) or 4 HDMI outputs (LB-H2-SP4E)
- Supports up to 4K UHD (18Gbps, 4K@50/60Hz 4:4:4, 8-bit) video signals
- Supports current 10-bit and 12-bit HDR (High Dynamic Range) formats
- Supports pass-through of LPCM 7.1, Bitstream and advanced HD Bitstream audio formats
- Automatic 4K to 1080p down-scaling and color space conversion (4:4:4 to 4:2:0) for each independent output based on each connected display's EDID
- Independent HDCP management engine for each output ensures stable HDCP performance
- Simple to use EDID management options
- Support for the CEC "active source" command to periodically reset input selection on CEC-compatible connected displays
- Controllable via front-panel switches

### INPUT PORTS

**Ports** HDMI x 1, USB Mini B (Service Port)

### OUTPUT PORTS

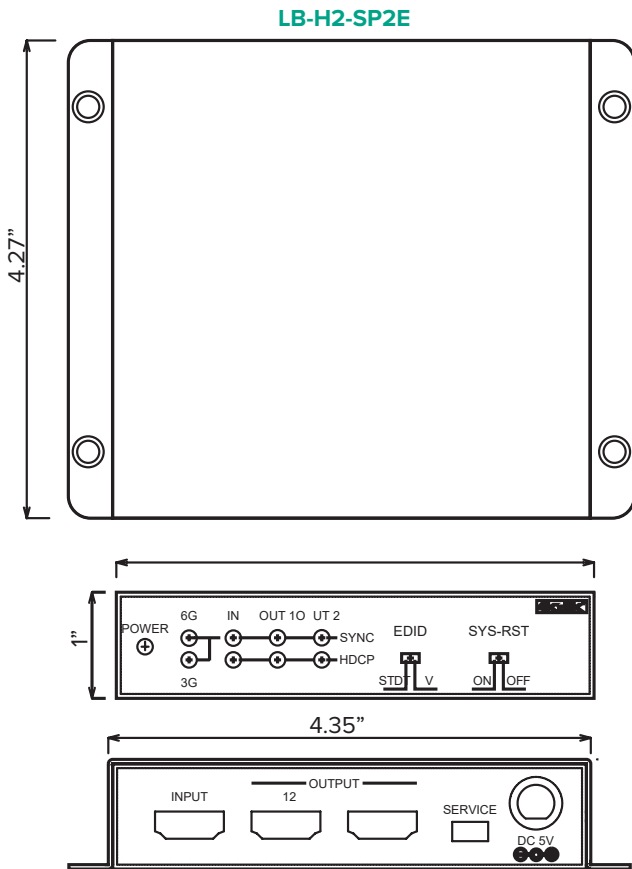
**Ports** HDMI x 2 (LB-H2-SP2E)  
HDMI X 4 (LB-H2-SP4E)

### STATUS LED INDICATORS

**Power** Indicates input power is present  
**IN SYNC** Indicates input source is present  
**IN HDCP** Indicates input HDCP is present  
**OUT SYNC** Indicates output sink is present  
**OUT HDCP** Indicates HDCP output is present

**3G** Indicates input video bandwidth is between 275MHz and 340MHz  
**6G** Indicates input video bandwidth is above 340MHz

### PANEL DRAWING



### PHYSICAL

**Dimensions LB-H2-SP2E** 5.04"(W) x 4.60"(D) x 1.18"(H)  
**Dimensions LB-H2-SP4E** 9.09"(W) x 4.60"(D) x 1.18"(H)  
**Power Rating LB-H2-SP2E** 5V DC, 0.4A  
**Power Rating LB-H2-SP4E** 5V DC, 0.55A  
**Operating Temperature** 0 to 40°C, operating  
**Humidity** 20 to 90% RH, Non-Condensing

### CERTIFICATIONS

CE, FCC

### GREEN COMPLIANCE

RoHS

### ORDER INFORMATION

**LB-H2-SP2E** 18G/4K HDMI Enhanced Splitter 1x2  
**LB-H2-SP4E** 18G/4K HDMI Enhanced Splitter 1x4

**Included Accessories** 5V DC Power Adapter

