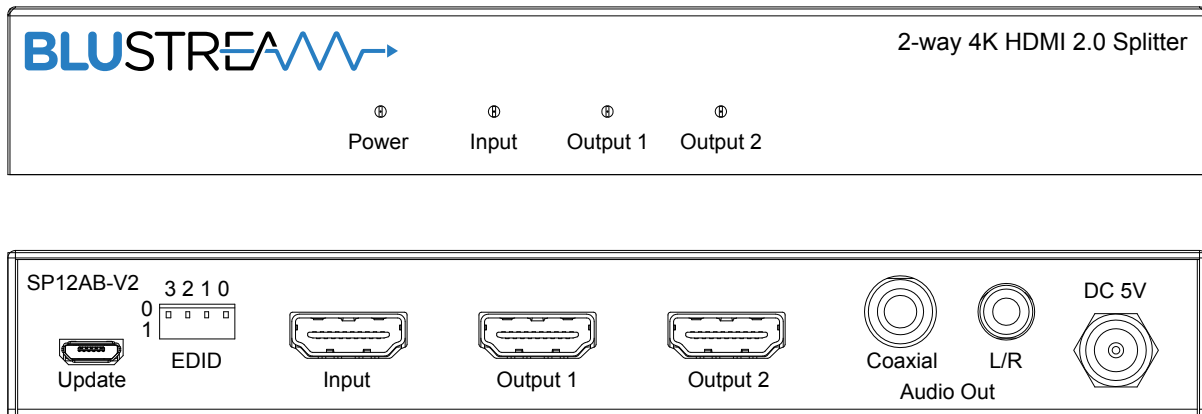


SP12AB-V2

Quick Reference Guide



Introduction

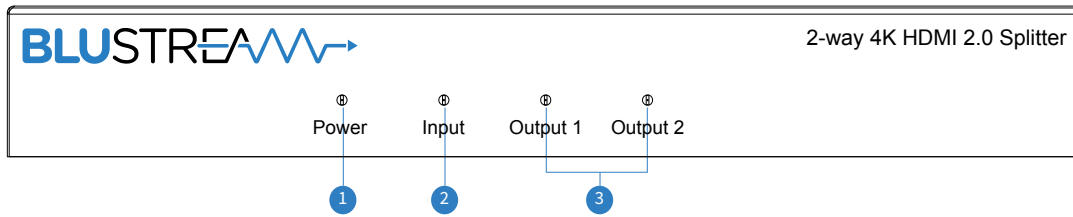
Our SP12-V2 4K HDMI 2.0 splitter distributes a single HDMI source to two simultaneous outputs. The splitter supports full HDMI 2.0 and HDCP 2.2 with video resolutions up to and including 4K @ 60Hz 4:4:4.

Key Features:

- Features 1x HDMI input that is replicated to 2x HDMI outputs
- Supports full HDMI 2.0 4K UHD video including HDR (up to 4K @60Hz 4:4:4)
- HDCP 2.2 compliant
- Supports 3D signal display
- Supports all industry standard video resolutions including VGA-WUXGA and 480i-4K
- Supports all known HDMI audio formats including Dolby TrueHD, Dolby Atmos, Dolby Digital Plus and DTS-HD Master Audio transmission
- Advanced EDID management

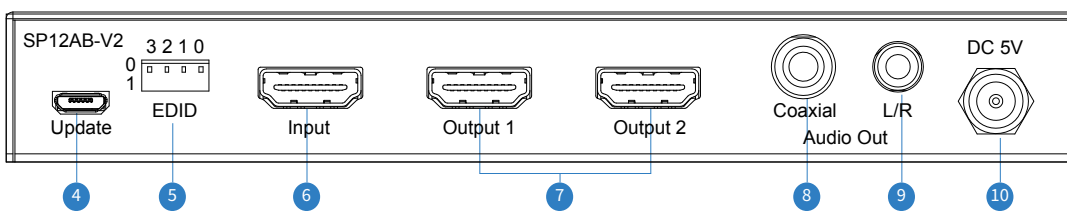
Panel Description

Front Panel:



- 1 Power LED - indicates if SP12AB-V2 is on or off
- 2 Input LED - indicates if HDMI input is active
- 3 Output LED - indicates if HDMI output is active

Rear Panel:



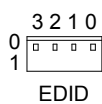
- 4 Micro USB connector used for firmware upgrade
- 5 EDID DIP switch - used to adjust HDMI input EDID settings
- 6 HDMI input - connect to HDMI source
- 7 HDMI outputs 1 and 2 - connect to HDMI displays
- 8 Coaxial digital audio output
- 9 Analog L/R audio output - 3.5mm stereo audio jack, Supports 2 channel PCM only
- 10 Power port - use included 5V/1A DC power adaptor

Adjusting The EDID Settings

The EDID configuration can be altered using the dip-switches located on the rear panel of the splitter. Please see adjacent table for EDID settings.

Note: You must power-cycle the HDMI splitter after changes have been made in order for the EDID settings to update.

EDID Dip-switches

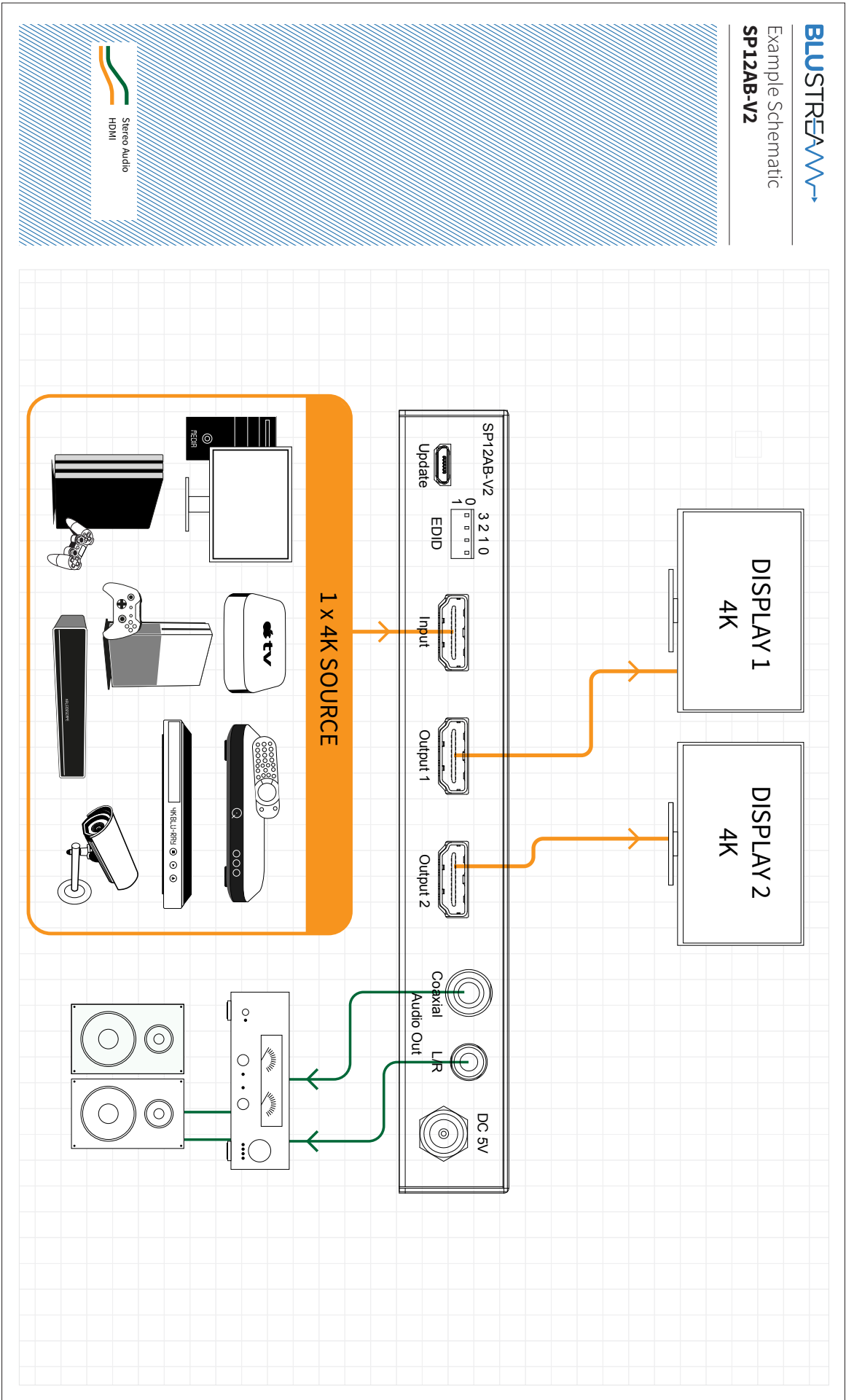


EDID Dip-switches

- [DIP]=0000: HDMI 1080p@60Hz, Audio 2ch PCM
- [DIP]=0001: HDMI 1080p@60Hz, Audio 5.1ch PCM/DTS/DOLBY
- [DIP]=0010: HDMI 1080p@60Hz, Audio 7.1ch PCM/DTS/DOLBY/HD
- [DIP]=0011: HDMI 1080i@60Hz, Audio 2ch PCM
- [DIP]=0100: HDMI 1080i@60Hz, Audio 5.1ch PCM/DTS/DOLBY
- [DIP]=0101: HDMI 1080i@60Hz, Audio 7.1ch PCM/DTS/DOLBY/HD
- [DIP]=0110: HDMI 4K@60Hz 4:2:0+4K@30Hz 4:4:4, Audio 2ch PCM
- [DIP]=0111: HDMI 4K@60Hz 4:2:0+4K@30Hz 4:4:4, Audio 5.1ch PCM/DTS/DOLBY
- [DIP]=1000: HDMI 4K@60Hz 4:2:0+4K@30Hz 4:4:4, Audio 7.1ch PCM/DTS/DOLBY/HD
- [DIP]=1001: HDMI 4K@60Hz 4:4:4, Audio 2ch PCM
- [DIP]=1010: HDMI 4K@60Hz 4:4:4, Audio 5.1ch PCM/DTS/DOLBY
- [DIP]=1011: HDMI 4K@60Hz 4:4:4, Audio 7.1ch PCM/DTS/DOLBY/HD
- [DIP]=1100: DVI 1280x1024@60Hz, Audio None
- [DIP]=1101: DVI 1920x1080@60Hz, Audio None
- [DIP]=1110: DVI 1920x1200@60Hz, Audio None
- [DIP]=1111: Software Control EDID

BLUSTREAM

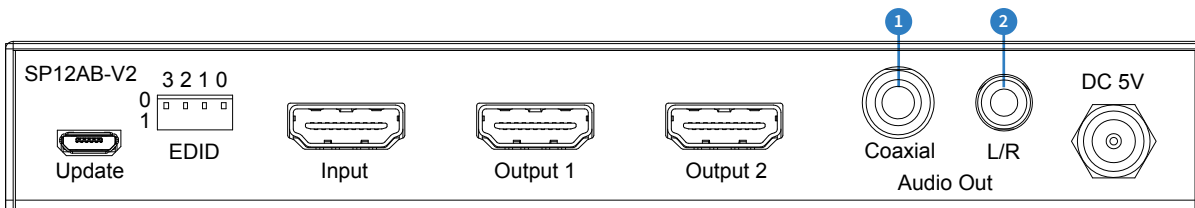
Example Schematic
SP12AB-V2



Stereo Audio
HDMI

Audio Breakout

The splitter includes audio breakout from the selected HDMI input to associated analogue L/R audio and coaxial digital outputs. Extracted audio will be concurrent with the corresponding HDMI video output. Note: Source input must be PCM 2ch audio for analogue audio outputs to work. The splitter does not down-mix multi-channel audio signals.



- 1 Coaxial digital output - Output 1
- 2 Analogue fixed line level output 3.5mm stereo jack - Output 2

Specifications:

Video Input Connectors: 1x HDMI Type A, 19-pin, female

Video Output Connectors: 2x HDMI Type A, 19-pin, female

Audio Output Connectors: 1x RCA (SPDIF), 1x 3.5mm stereo jack (L/R)

EDID: 4-Pin DIP switch

Casing Dimensions (W x D x H): 159mm x 64mm x 22mm

Dimensions Inc. Connections (W x D x H): 159mm x 71mm x 22mm

Shipping Weight: 0.4kg

Operating Temperature: 32°F to 104°F (0°C to 40°C)

Storage Temperature : -4°F to 140°F (-20°C to 60°C)

Power Supply : 5V/1A DC

Package Contents:

- 1x SP12AB-V2
- 1x 5V/1A DC power supply
- 1x Mounting kit
- 1x Quick reference guide