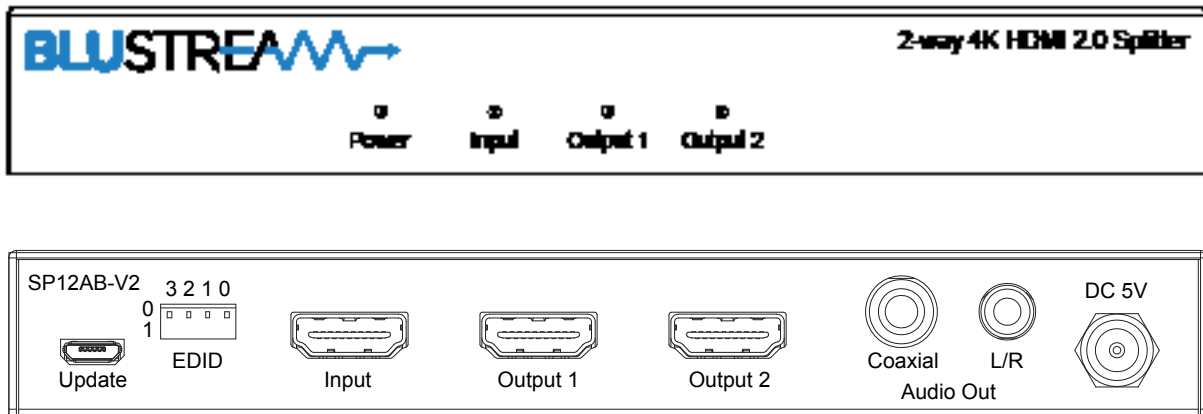


SP12AB-V2

Quick Reference Guide



Introduction

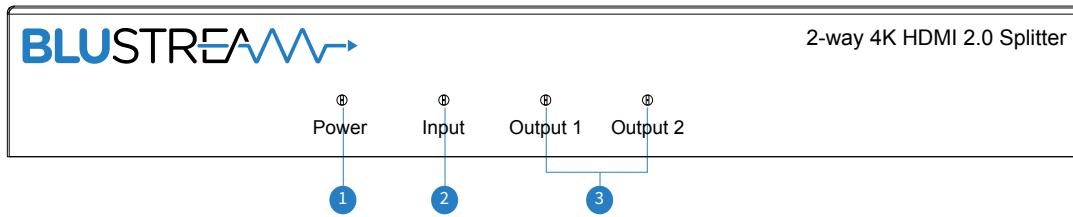
Our SP12-V2 4K HDMI 2.0 splitter distributes a single HDMI source to two simultaneous outputs. The splitter supports full HDMI 2.0 and HDCP 2.2 with video resolutions up to and including 4K @ 60Hz 4:4:4.

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

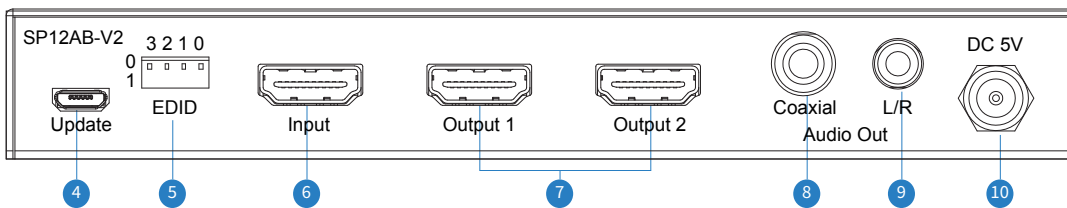
Panel Description

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:



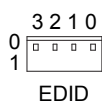
- 4 Micro USB connector used for firmware upgrade
- 5 EDID DIP switch - used to adjust HDMI input EDID settings
- 6 HDMI input - connect to HDMI source
- 7 HDMI outputs 1 and 2 - connect to HDMI displays
- 8 Coaxial digital audio output
- 9 Analog L/R audio output - 3.5mm stereo audio jack, Supports 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.

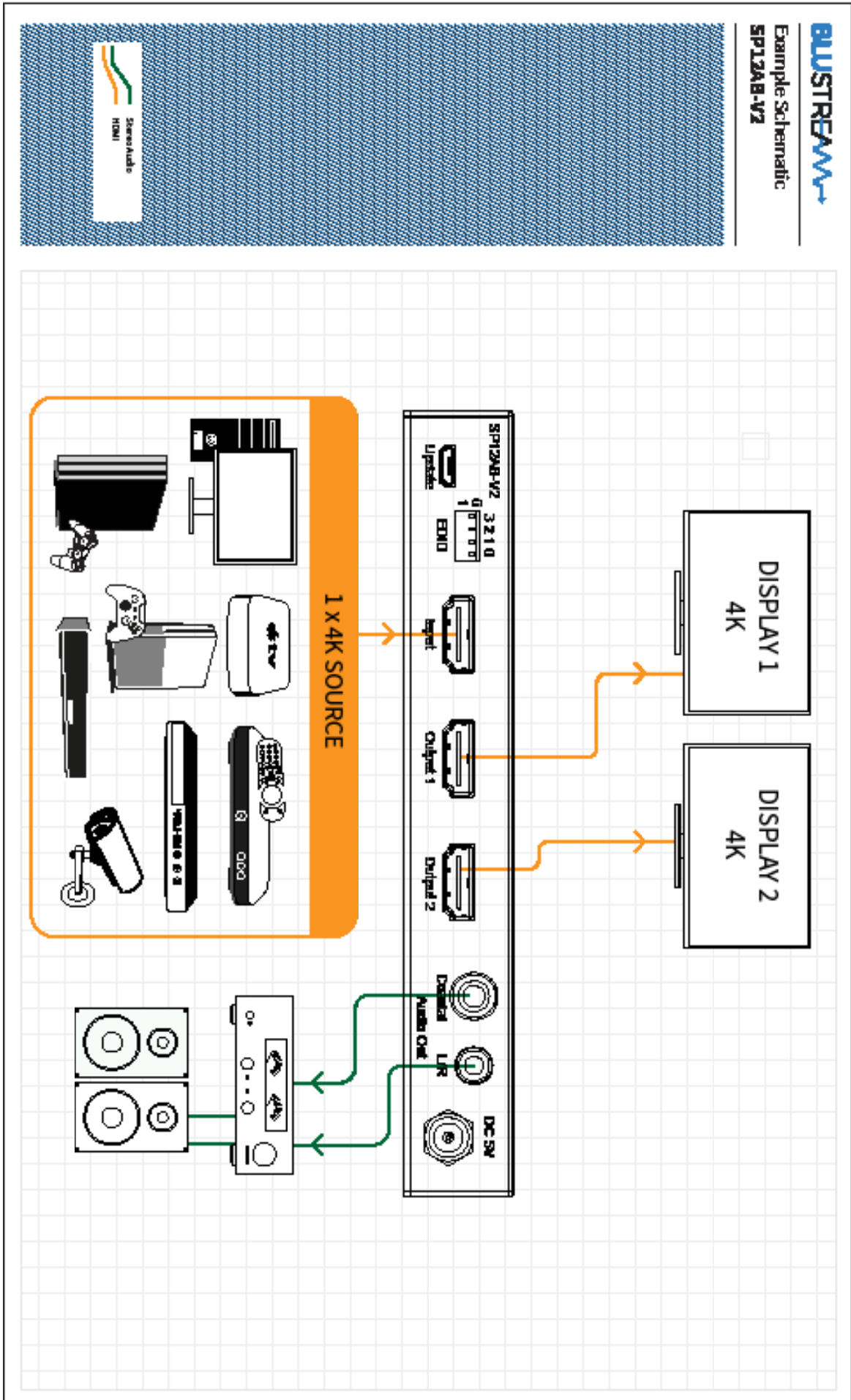
Note: You must power-cycle the HDMI splitter after changes have been made in order for the EDID settings to update.

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: Copy Sink EDID (output 1)



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

Certifications

FCC NOTICE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by

turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION - changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CANADA, INDUSTRY CANADA (IC) NOTICES

This Class B digital apparatus complies with Canadian ICES-003. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

CORRECT DISPOSAL OF THIS PRODUCT

This marking indicates that this product should not be disposed with other household wastes. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmentally safe recycling.