

▶ [SP14-V2](#)
User Manual

Thank you for purchasing this product.

For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.



Surge protection device recommended

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lightning strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

Safety And Performance Notice

Do not substitute or use any other power supply other than the enclosed unit, or a Blustream approved replacement.

Do not disassemble Blustream units for any reason. Doing so will void the manufacturer's warranty.

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Introduction

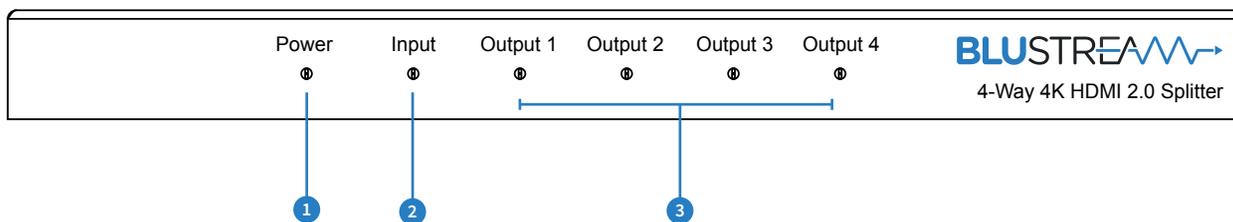
Our SP14-V2 4K HDMI 2.0 splitter distributes a single HDMI source to four simultaneous outputs. The SP14-V2 splitter supports full HDMI 2.0 and HDCP 2.2 with video resolutions up to and including 4K @ 60Hz 4:4:4.

FEATURES:

- Features 1x HDMI input that is replicated to 4x HDMI outputs
- Supports full HDMI 2.0 specification 4K UHD video (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

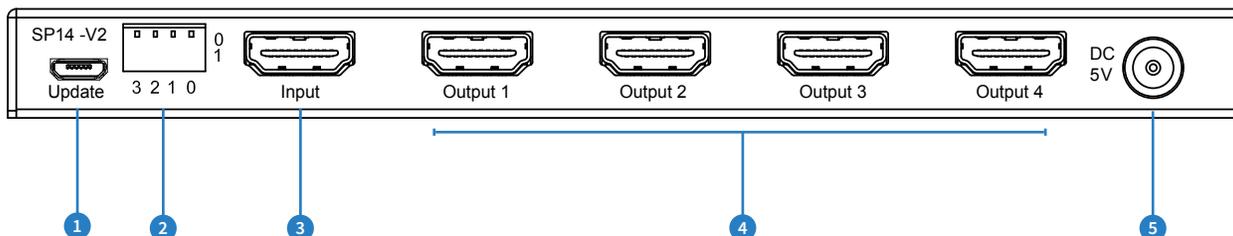
SP14-V2 Panel Description

Front Panel



- ❶ Power LED indicator – indicates if the SP14-V2 is powered on/off
- ❷ Input LED indicator – Indicates if the HDMI source connected to the HDMI input is active
- ❸ Output LED indicator – indicates if the display connected to the HDMI output is active

Front Panel



- ❶ Micro USB Connector – Used to upgrade firmware of the SP14-V2
- ❷ EDID DIP switch – Used to adjust HDMI input EDID settings
- ❸ HDMI input – Connect HDMI source
- ❹ HDMI outputs 1 to 4 – Connect HDMI outputs to displays
- ❺ Power port – Use included 5V/2A DC adaptor to power the Splitter.

EDID Control

EDID (Extended Display Identification Data) is a data structure that is used between a display and a source. This data is used by the source to find out what audio and video resolutions are supported by the display then from this information the source will discover what the best audio and video resolutions need to be outputted.

While the objective of EDID is to make connecting a digital display to a source a simple plug and play procedure issues do arise when multiple displays or video matrix switching is introduced because of the increased number of variables.

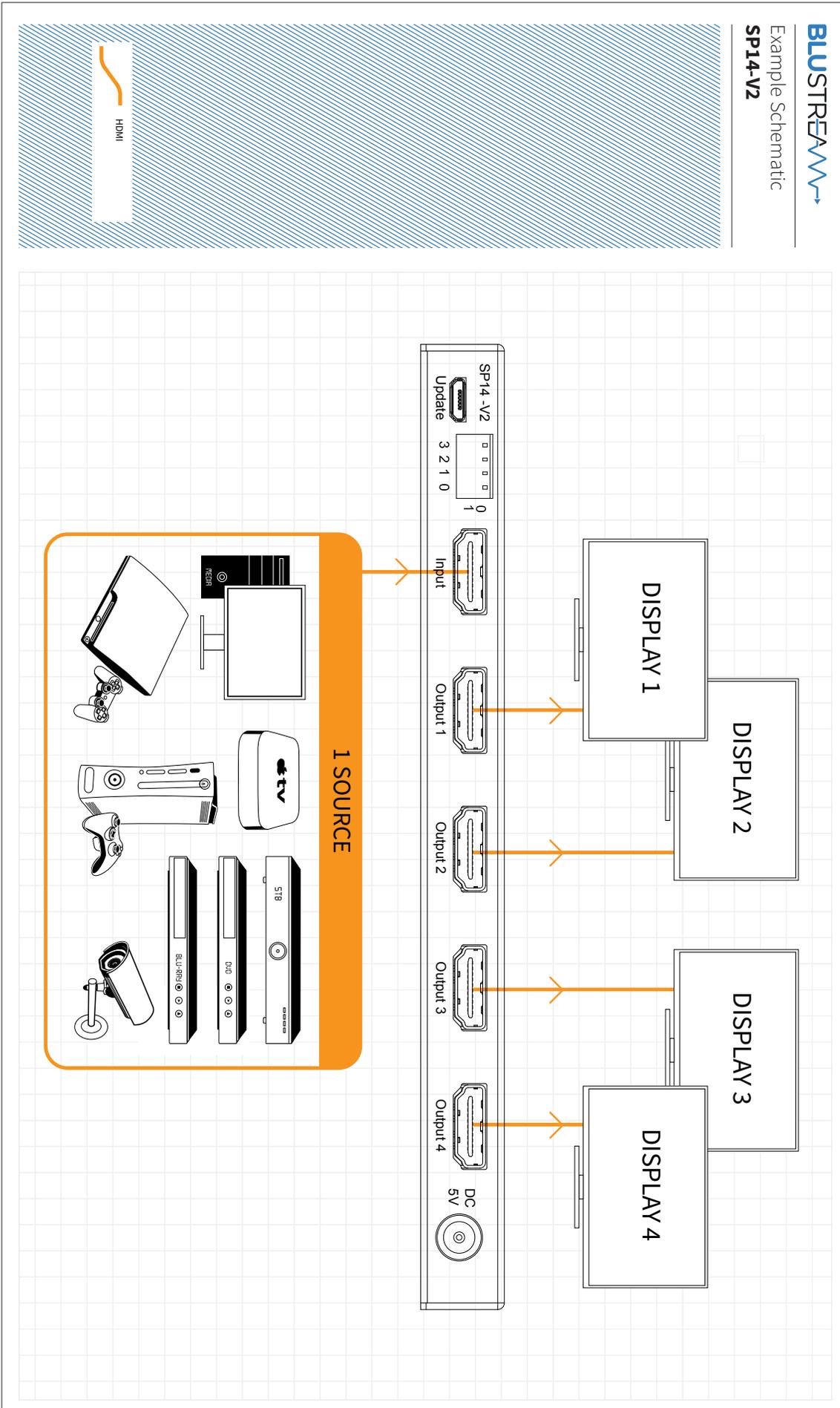
By pre-determining the video resolution and audio format of the source and display device you can reduce the time need for EDID hand shaking thus making switching quicker and more reliable.

Configuration of Switcher EDID settings can be achieved using the EDID dip-switches on the rear panel of the product. Dip-switch settings are shown below.

[DIP]=0000:	HDMI EDID Copy (Pass-through)
[DIP]=0001:	HDMI 1080p@60Hz, Audio 2CH PCM
[DIP]=0010:	HDMI 1080p@60Hz, Audio 5.1CH PCM/DTS/DOLBY
[DIP]=0011:	HDMI 1080p@60Hz, Audio 7.1CH PCM/DTS/DOLBY/HD
[DIP]=0100:	HDMI 1080i@60Hz, Audio 2CH PCM
[DIP]=0101:	HDMI 1080i@60Hz, Audio 5.1CH PCM/DTS/DOLBY
[DIP]=0110:	HDMI 1080i@60Hz, Audio 7.1CH PCM/DTS/DOLBY/HD
[DIP]=0111:	HDMI 1080p@60Hz, 3D Audio 2CH PCM
[DIP]=1000:	HDMI 1080p@60Hz, 3D Audio 5.1CH PCM/DTS/DOLBY
[DIP]=1001:	HDMI 1080p@60Hz, 3D Audio 7.1CH PCM/DTS/DOLBY/HD
[DIP]=1010:	HDMI 4K2K@60Hz, Audio 2CH PCM
[DIP]=1011:	HDMI 4K2K@60Hz, Audio 5.1CH PCM/DTS/DOLBY
[DIP]=1100:	HDMI 4K2K@60Hz, Audio 7.1CH PCM/DTS/DOLBY/HD
[DIP]=1101:	DVI 1280x1024@60HZ, Audio None
[DIP]=1110:	DVI 1920x1080@60HZ, Audio None
[DIP]=1111:	DVI 1920x1200@60HZ, Audio None

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Example Schematic
SP14-V2



Specifications

- Video Input Connectors: 1x HDMI Type A
- Video Output Connectors: 4x HDMI Type A
- EDID: 4-pin DIP Switch
- Dimensions (W x D x H): 175mm x 84mm x 15mm, without feet
- Shipping Weight: 0.5kg
- 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: 1x 5V 2A DC

Package Contents:

- 1 x SP14-V2
- 1 x 5V/2A power supply
- 1 x User manual

Maintenance

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner or benzene to clean this unit.



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