

4-Way HDMI Switcher with Multi-Channel Dante® Audio Breakout

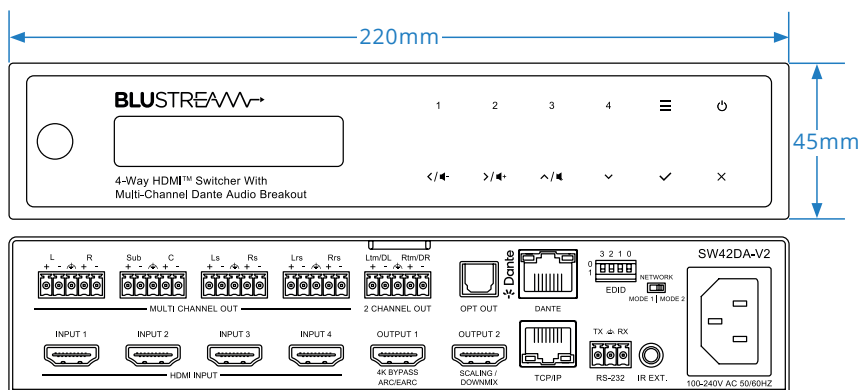
Description

The Blustream SW42DA-V2 is a 4-Way HDMI switch that has been designed to breakout, convert, and downmix embedded Dolby Audio or DTS Audio within a HDMI switching environment.

The SW42DA-V2 will pass native video with the embedded multi-channel audio to compatible equipment on output 1, with a second HDMI output featuring optional video down-scaling from 4K 60Hz 4:4:4 or 4:2:0, video down to 1080p, with the native embedded audio, or down-mixed 2ch audio as required.

Audio capabilities include the selection and manipulation of formats across both multichannel and 2ch downmixed. The Dante output allows for 9.1ch breakout and embedding into a Dante digital signal, and/or 7.1ch breakout with a separate 2ch down-mixed Dante output. Optical S/PDIF breakout (2ch or 5.1ch as required), individual analogue multi-channel breakout, and 2ch downmixed balanced/unbalanced analogue audio can also be broken out as required directly from the unit.

The SW42DA-V2 provides an advanced, but cost effective solution for ensuring that 4K UHD video and multi-channel audio can be distributed around a Dante multi-room system where there are a mixture of 2ch and/or 7.1ch zones or 7.1.2ch / 5.1.4ch (9.1ch) audio, with multiple output resolution requirements. Perfect for cinema and media room set up's where local content would be shared within a multi-zone distributed system where either multichannel or down-mixed audio is required.



Key Features

- Features 4 x HDMI inputs which can be switched to the dual HDMI outputs
- Supports HDMI 2.0b 18Gbps specification including 4K 60Hz 4:4:4 UHD video
- Supports distribution of the latest HDR resolutions including HDR10/10+ and Dolby Vision
- HDMI output 1 replicates the HDMI input signal up to 4K 60Hz 4:4:4 and 7.1.2ch Dolby Atmos and DTS-HD audio
- HDMI output 2 features 4K video down-scaler and 7.1.2ch to 2ch Dolby Atmos and DTS-HD audio downmix
- Supports all known HDMI audio formats including Dolby TrueHD, Dolby Atmos, Dolby Digital Plus and DTS-HD Master Audio transmission
- HDMI audio breakout of Dolby Atmos and DTS-HD to up to 8 channels of Dante audio (7.1ch) and independent 2 down-mixed channels of Dante audio
- HDMI audio breakout of Dolby Atmos and DTS-HD to up to 10 channels of Dante audio (7.1.2ch / 5.1.4ch)*
- HDMI audio breakout to 7.1ch balanced and unbalanced analogue audio outputs
- HDMI Dolby Atmos and DTS-HD 7.1 down-mixing to 2ch balanced and unbalanced audio outputs
- Supports ARC/eARC including breakout to 7.1ch and 2ch downmixed analogue and Dante audio
- Supports: 44.1, 48, 88.2 & 96kHz sample rates @ 24-bit
- Configurable Dante® device latency using Dante® Controller
- Supports AES67 RTP audio transport
- Control via front panel, TCP/IP, web-GUI, RS-232 and IR
- HDCP 2.3 compliant with advanced EDID management

*Dante 2ch down-mix channels are re-allocated to additional 7.1.2/5.1.4 use

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Specifications

- Dimensions (W x H x D): 220mm x 214mm x 45mm, without feet or connections
- Shipping Weight: (TBC)
- Operating Temperature: 32°F to 104°F (0°C to 40°C)
- Storage Temperature: -4°F to 140°F (-20°C to 60°C)

Connectivity

- Video Input Connectors: 4 x HDMI Type A, 19-pin, female
- Video Output Connectors: 2 x HDMI Type A, 19-pin, female
- Audio Output Connectors: 1 x Optical (Toslink), 5 x 5-pin Phoenix connector (8ch + 2ch balanced/un-balanced analogue audio), 1 x RJ45, female (100Mbps Dante® network)
- EDID: 4-PIN DIP switch
- TCP/IP Control: 1 x RJ45, female
- RS-232 port: 1 x 3-Pin Phoenix connector
- IR Input ports: 1 x 3.5mm stereo jack
- Power Supply: Internal 100-240v AC

Box Contents

- 1 x SW42DA-V2
- 1 x Remote Control
- 1 x IR Receiver
- 1 x 19" Rack Mounting Kit
- 4 x Mounting Feet
- 1 x Quick Reference Card
- 1 x IEC Power Cable

Regulatory Compliance



CAN ICES-003(B) / NMB-003(B)

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