SW42DA

BLUSTREAM

4-Way HDMI Switcher With Multi-Channel Dante® Audio Breakout
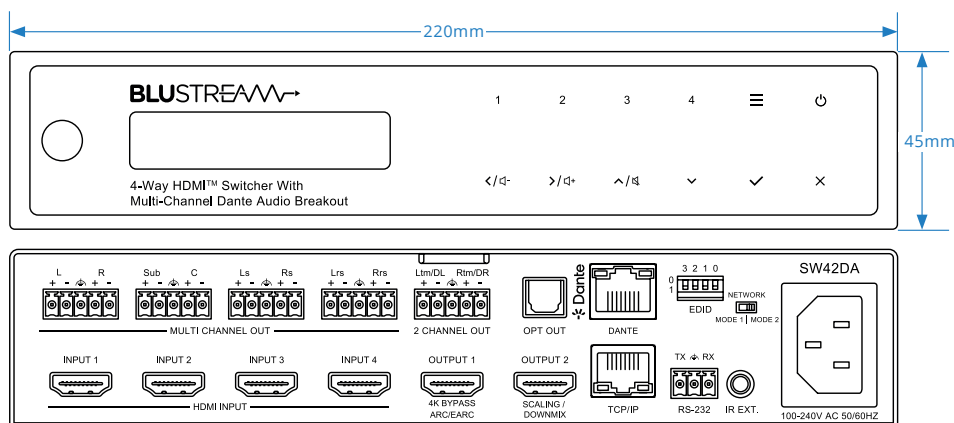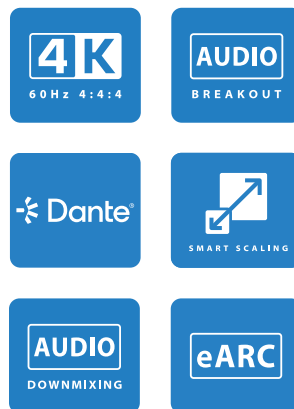
Description

The Blustream SW42DA 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 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 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.

4K 60Hz 4:4:4

AUDIO BREAKOUT

Dante®

SMART SCALING

AUDIO DOWNMIXING

eARC

[Product front and rear panel diagram: 220mm wide, 45mm high. Front panel shows BLUSTREAM logo, "4-Way HDMI™ Switcher With Multi-Channel Dante Audio Breakout", buttons 1 2 3 4, menu and power controls. Rear panel labeled SW42DA shows: MULTI CHANNEL OUT (L R Sub C Ls Rs Lrs Rrs), 2 CHANNEL OUT (Ltm/DL Rtm/DR), OPT OUT, DANTE, NETWORK, EDID, MODE 1 / MODE 2, HDMI INPUT (INPUT 1-4), OUTPUT 1 (4K BYPASS ARC/EARC), OUTPUT 2 (SCALING / DOWNMIX), TCP/IP, TX RX, RS-232, IR EXT., 100-240V AC 50/60HZ]

Key Features

- Features 4 x HDMI inputs which can be switched to the dual HDMI outputs simultaneously
- Supporting Dolby Atmos® Technology
- 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 5.1.4ch / 7.1.2ch Dolby Atmos® and DTS-HD multi-channel audio
- HDMI output 2 features an optional 4K video down-scaler, and 5.1.4ch / 7.1.2ch to 2ch Dolby Atmos® and DTS-HD audio downmixing
- 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), with an 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 / unbalanced analogue audio outputs
- HDMI Dolby Atmos® and DTS-HD 7.1 down-mixing to 2ch balanced and unbalanced audio ouputs
- Supports ARC/eARC including breakout to 7.1ch and 2ch downmixed analogue, and Dante audio
- Supports: 44.1, 48, 88.2 & 96kHz Dante® sample rates @ 24-bit
- Configurable Dante® device latency using Dante® Controller
- Supports AES67 RTP audio transport
- Control via TCP/IP, web-GUI, RS-232, front panel buttons, and infrared
- 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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SW42DA

BLUSTREA

Specifications

- **Dimensions (W x H x D):** 220mm x 214mm x 45mm, without feet or connections
- **Shipping Weight:** 2.6kg
- **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:** Internal 100-240v AC

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

Package Contents

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

Regulatory Compliance

CE   UKCA   FC   RoHS Compliant

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