Our DA11ADE has been designed to decode an input Dante® digital signal to unbalanced or balanced 2ch analogue audio output.

The DA11ADE is a plug and play device that is powered using either Class 1 802.3af PoE (Power over Ethernet) from any PoE network switch, or via local 12v power supply input (sold separately).

The DA11ADE also supports AES67 RTP audio transport, and independent (+18dBu to -10dBV) gain per channel for a 5-step adjustment of the audio input sensitivity as required.

DA11ADE – Dante to Analogue Audio Decoder

Our DA11AEN has been designed to encode unbalanced or balanced 2ch analogue audio input to a Dante® digital output signal.

The DA11AEN allows a non-Dante compatible audio source, such as a mixing console, amplifier, computer, Blustream Matrix or distribution product to be connected as am input source within a Dante network.

The DA11AEN is a plug and play device that is powered using either Class 1 802.3af PoE (Power over Ethernet) from any PoE network switch or via local 12v power supply input (sold separately).
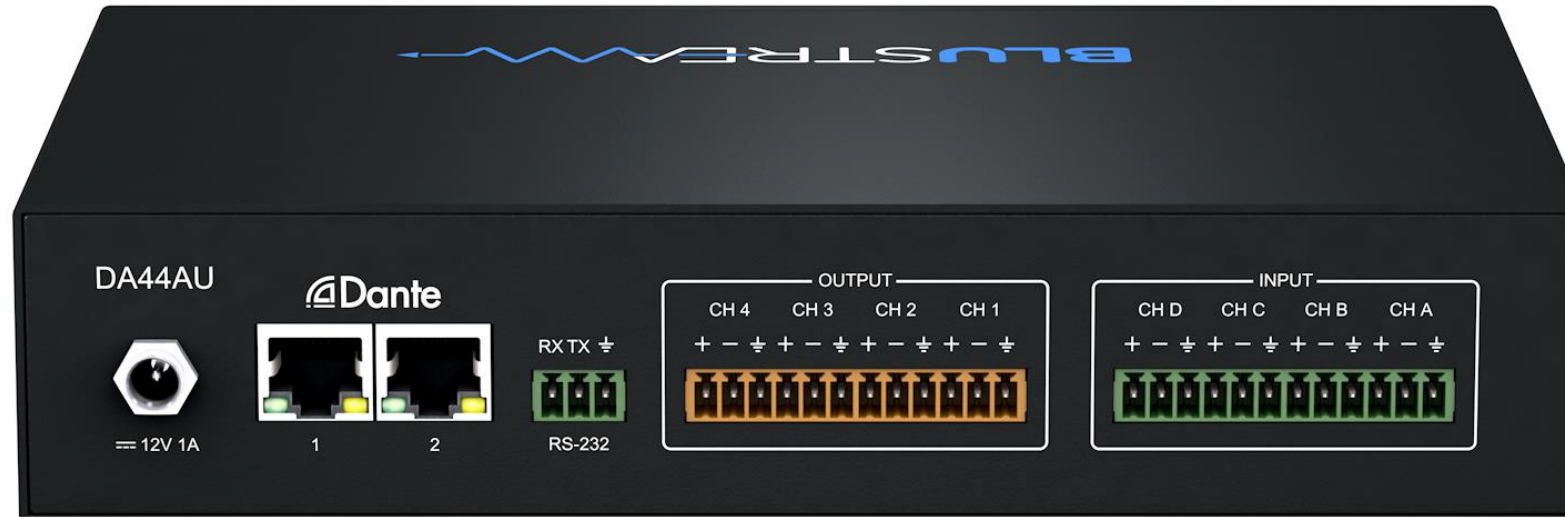
The DA11AEN also supports AES67 RTP audio transport, and independent (+24dBu to -10dBV) sensitivity adjustment for each channel as required.

DA11AEN – Analogue Audio to Dante Encoder

BLUSTREAM

Our DA11USB has been designed to both encode a 1ch mono (L/R channels merged) USB audio input to a Dante® output digital signal, and also decode a Dante digital input signal back to 2ch USB output audio.

The DA11USB features both USB Type-B and USB-C connections, selectable via manual switch, and is a plug and play device that is powered either using Class 3 802.3af PoE (Power Over Ethernet), or with 5v from the USB host device.

The DA11USB also supports AES67 RTP audio transport.

DA11USB – USB to Dante Encoder / Decoder

Our DA44AU is a 4 x input, 4 x output Dante® audio converter. The DA44AU allows any non-Dante audio source such as mixing consoles, amplifiers, computers and Blustream Matrix / distribution products to be connected as analogue audio sources to a Dante network, as well as converting up to 4 x mono / 2 x stereo Dante signals back to analogue audio.

Dual LAN connectivity allows for redundancy, or for multiple (up to) 7x DA44AU units to be cascaded.

The DA44AU supports both balanced and unbalanced audio as well as microphone line level inputs inc. 48v Phantom power, 0dB - 35dB MIC, and -10dB – 0dB line input sensitivity adjustment. The DA44AU supports AES67 RTP audio transport.

Please note: the DA44AU cannot output audio from one of the local inputs due to limitations of the Ultimo chipset used.

DA44AU – 4x4 Dante Audio Encoder / Decoder

Our DA22DIG has been designed to encode 2ch analogue or digital audio inputs into a Dante® digital signal, and decode 2ch Dante digital signals to the simultaneous analogue and digital audio outputs.

The DA22DIG features both analogue audio and digital (coax and optical S/PDIF) audio input connections, selectable via manual switch and is a plug & play device that can be powered using PoE (Power over Ethernet), or via the supplied 12V power supply. The output analogue, digital optical S/PDIF and coax connections all output simultaneously.

The DA22DIG also features support for microphones including 48V phantom power, as well as support for AES67 RTP audio transport.

Please note: the DA22DIG only encodes and decodes 2ch signals.

DA22DIG – 2x2 Digital & Analogue Dante Converter

The DA22XLR-WP is a multi-input / output wall plate to convert analogue audio within a digital Dante® networked audio system.

The DA22XLR-WP features 2 input channels of balanced / unbalanced / MIC audio with switchable 48v phantom power and 2 output channels of balanced / unbalanced audio.

The DA22XLR-WP is a plug & play device that is powered using PoE (Power over Ethernet), or via 12v power supply (sold separately), and offers support for AES67 RTP audio transport. A magnetic faceplate design allows for the Blustream branding to be hidden in a commercial environment.

The DA22XLR-WP can be installed into double UK / EU backboxes and is available in a brushed aluminium finish. Only available in UK / Europe.

The DA22XLR-WP-US can be installed into a dual Decora back box and is also available in a brushed aluminium finish. Not available in UK / Europe.

DA22XLR-WP – 2x2 Digital & Analogue Dante Wall Plate Converter

BLUSTREAM

The DA11ABL-WP is a multi-input / output wall plate to convert Bluetooth and analogue audio within a digital Dante® networked audio system.

The DA11ABL-WP converts 2 x input channels of Bluetooth, or unbalanced audio to Dante digital audio, and 2 x channels of Dante audio to 2 x output channels of unbalanced audio. Software configuration for the DA11ABL-WP allows for the Bluetooth name to be amended as required where being deployed in multi-user spaces. Software downloadable from the Blustream website.

The DA11ABL-WP is a plug and play device that is powered using PoE (Power over Ethernet), or via 12V power supply (sold separately), offers support for AES67 RTP audio transport. A magnetic faceplate design allows for the Blustream branding to be hidden in a commercial environment. The DA11ABL-WP is the ideal BYOD interface to allow any Bluetooth device to stream audio wirelessly to a Dante audio system.

The DA11ABL-WP can be installed into a single UK / EU backbox and is available in a brushed aluminium finish. Only available in UK / Europe.

The DA11ABL-WP-US can be installed into a single Decora back box and is also available in a brushed aluminium finish. Not available in UK / Europe.

DA11ABL-WP – Bluetooth to Dante Wall Plate Converter

BLUSTREAM

PRO-IN4HDA - Dante Custom Pro Card

- Features 4 x HDMI 2.0 inputs which can be independently routed to video output cards

- Supports HDMI 2.0 18 Gbps 4K UHD 60Hz 4:4:4 specification including HDR

- Supports all known HDMI audio formats including Dolby TrueHD, Atmos and DTS-HD Master Audio transmission

- Each HDMI input includes an independent fixed level 2ch analogue audio breakout allowing connection to a local third-party audio solution (supports 2ch PCM)

- Each HDMI input includes independent 2ch Dante audio breakout allowing connection to a Dante audio solution (supports 2ch PCM)

- Supports 4 x 2ch Dante audio inputs allowing audio embedding onto the HDMI inputs

  * For HDMI 2.0 18Gbps video distribution the PRO-IN4HDA must be used with a HDMI 2.0 18Gbps Custom Pro output board

Dante® Solutions

BLUSTREAM

	DA11ADE	DA11AEN	DA11USB	DA22DIG	DA44AU	DA22XLR-WP
Infrastructure	Dante					
Audio Inputs	2 x Mono	Dante	1 x USB-B 1 x USB-C Dante	2 x Mono (MIC) 1 x Optical S/PDIF 1 x Digital Coax Dante	4 x Mono (MIC) Dante	2 x XLR Dante
Audio Outputs	Dante	2 x Mono	1 x USB-B 1 x USB-C Dante	2 x Mono 1 x Optical S/PDIF 1 x Digital Coax Dante	4 x Mono Dante	2 x XLR Dante
Power	PoE 12v PSU	PoE 12v PSU	PoE 5v USB	PoE 12v PSU	PoE 12v PSU	PoE 12v PSU
Switch Control	n/a	n/a	Select between USB connections	Dante Controller Software		
Gain Sensitivity Adjust	Gain	Sensitivity	n/a		Gain (output) Sensitivity (input)	

Dante Converters Comparison

BLUSTREAM

The NPA100DA features a 2 x 50W digital amplifier (1 x 100W mono) or 70v / 100v hi-level constant voltage output, dedicated LFE subwoofer output, Dante audio integration, and 2ch balanced / un-balanced audio outputs.

This single zone amplifier supports a variety of audio inputs including: 2ch Dante, 2ch HDMI ARC, MIC audio with 48V Phantom power support, 2ch Optical S/PDIF, and 2ch balanced / un-balanced analogue audio.

The NPA100DA can be powered via PoE++ from a compatible network switch, or locally should the switch not support PoE++ (PSU supplied with unit). The amplifier also includes the ability to lower the amplifier power output subject to PoE capabilities, support for combined or independent LAN and Dante connections, DSP with a 31 band EQ, audio delay for lip sync correction, independent gain control for audio inputs, and control via front panel, IR, RS-232, TCP/IP, web-GUI, or 12v trigger.

NPA100DA – Dante Networked Power Amplifier

BLUSTREAM

The NPA70DA features a 2 x 35W digital amplifier (1 x 70W mono) or 70v / 100v hi-level constant voltage output and Dante® audio integration.

The NPA70DA can be powered via PoE++ from a compatible network switch, or locally should the switch not support PoE++ (PSU included with unit).

The unit also includes the ability to lower the amplifier power output subject to PoE capabilities, support for combined or independent LAN and Dante connections, DSP with a 31 band EQ, audio delay for lip sync correction, and control via front panel, IR, RS-232, TCP/IP, web-GUI or 12V trigger.

NPA70DA – Dante Networked Power Amplifier

The NPA20DA features a 2 x 10W digital amplifier (1 x 20W mono) audio output for Dante® audio integration for back-ground music, or voice re-enforcement in small to medium sized meeting spaces.

The NPA20DA can be powered via PoE or PoE+ from a compatible network switch, or locally should the switch not support PoE (PSU sold separately).

The unit also includes the ability to lower the amplifier power output subject to PoE capabilities, DSP with a 31 band EQ, audio delay for lip sync correction, and control via front panel, RS-232, TCP/IP, web-GUI, or 12v trigger.

NPA20DA – Dante Networked Amplifier

BLUSTREAM

New Solutions

- Dante DEP (Dante Embedded Platform) is a software implementation of the world's most widely used AV-over-IP solution
- Dante DEP can be implemented on Linux devices such as Arm processors
- The ability to use numerous solutions has overcome the IC shortage that we have seen in the last few years

Advantages of Dante DEP over Ultimo and other Dante solutions:

- Inputs can route direct to outputs on single IC solution
- Has built-in web-GUI for simple control and configuration
- IC are available unlike Dante offerings

What products will use Dante DEP:

- All of them...

Dante® Solutions

BLUSTREAM

- Software implementation of Dante Ultra built direct into the world's most widely used AV-over-IP solution - ASpeed
- Dante AV-A Allows control of video from within Dante control solutions
- The ability to use numerous solutions has overcome the IC shortage that we have seen in the last few years

Advantages of Dante AV-A over Ultimo and other Dante solutions:

- Single tool, Dante Controller, for configuration and one click routing of all audio and video devices
- Simplified system maintenance, security, and support with Dante Domain Manager
- Inputs can route direct to outputs on single IC solution

What products will use Dante AV-A:

- IP350UHD-TX
- IP350UHD-RX

Dante® Solutions

DA22XLR-V2 US & EU Wall plates (Dante DEP)

- Dante® network wall plate interface for 2 x audio inputs and 2 x audio outputs
- Converts 2 x balanced / unbalanced / MIC audio sources to Dante® audio channels
- Converts 2 x Dante® audio channels to balanced / unbalanced audio outputs
- Switchable 48v Phantom power for each MIC XLR input
- Adjustable MIC / line sensitivity from +24dBu to -10dBV for each XLR input
- Configurable Dante® device latency (supports 2, 3, 4, 5 or 10ms configurable using Dante® Controller)
- Features Class 1 IEEE 802.3af PoE for powering of product from any PoE switch
- Local 12v power supply input for when network switch does not support PoE*
- TCP/IP and Web GUI control
- Supports AES67 RTP audio transport
- Mechanical update

*Power supply sold separately

ETA: April/May 2024

Dante® Solutions

BLUSTREAM

DA11ARC – HDMI ARC to Dante Encoder (DEP)

- Encodes HDMI ARC 2ch PCM audio to a Dante® digital signal

- HDMI ARC supports 32 ~ 192kHz sample rates @ 24-bit

- Dante supports 44.1, 48 & 96kHz sample rates @ 24-bit

- Configurable Dante® device latency (supports 2, 3, 4, 5 or 10ms configurable using Dante® Controller)

- Supports AES67 RTP audio transport

- Volume can be controlled by TV remote control via CEC

- TCP/IP and web-GUI control

- Features Class 1 IEEE 802.3af PoE for powering of product from any PoE switch

- Local 12v power supply input for when network switch does not support PoE*

    * PS121PH power supply sold separately

ETA: May 2024

Dante® Solutions

BLUSTREAM

DA11OPT – Optical to Dante Encoder (DEP)

- Encodes digital optical 2ch PCM audio to a Dante® digital signal and vice versa

- Optical audio supports 32 ~ 192 KHz sample rates @ 24 Bit

- Dante supports 44.1, 48 & 96 KHz sample rates @ 24 Bit

- Configurable Dante® device latency (supports 2, 3, 4, 5 or 10ms configurable using Dante® Controller)

- Supports AES67 RTP audio transport

- TCP/IP and web-GUI control

- Features Class 1 IEEE 802.3af PoE for powering of product from any PoE switch

- Local 12v power supply input for when network switch does not support PoE*

  * PS121PH power supply sold separately

ETA: May 2024

Dante® Solutions

BLUSTREAM

DA22XLR – Microphone to Dante Encoder (DEP)

- Encodes microphone audio to a Dante® digital signal

- Microphone input with sensitivity control and 48v phantom power

- Dante supports 44.1, 48 & 96kHz sample rates @ 24-bit

- Configurable Dante® device latency (supports 2, 3, 4, 5 or 10ms configurable using Dante® Controller)

- Supports AES67 RTP audio transport

- TCP/IP and web-GUI control

- Features Class 1 IEEE 802.3af PoE for powering of product from any PoE switch

- Local 12v power supply input for when network switch does not support PoE*

    * PS121PH power supply sold separately

ETA: May 2024

Dante® Solutions

BLUSTREA/W

SW42DA – 4x2 Switcher with Dolby/DTS 7.1 to Dante converter

- 4 x HDMI inputs and 2 x mirrored outputs

- HDMI Output 1 replicates the HDMI input signal up to 4K 60Hz 4:4:4 and 7.1ch Dolby ATMOS Audio & DTS-HD Audio

- HDMI Output 2 features a 4K to 2K downscaling for 2K displays with 2ch down-mixed audio

- HDMI 2.0b, HDCP 2.3 and HDCP 1.4 compliant up to 4K 60Hz 4:4:4, HDR, HDR10, HDR10+, Dolby Vision pass through

- Pass-through and conversion up to 7.1ch Dolby ATMOS or DTS-HD Audio to HDMI, optical, balanced/un-balanced audio & Dante

- ARC/eARC Audio input

- Supports analogue output volume control via CEC.

- Control RS-232, TCP/IP, web-GUI, IR Remote and front panel

ETA: June 2024

Dante® Solutions

BLUSTREAM

SW42DA – 4x2 Switcher with Dolby/DTS 7.1 to Dante converter

HDMI Audio:

- HDMI IN/OUT 1 (Passthrough) - Dolby Digital, DD+, Dolby Atmos, DTS Digital Surround, DTS:X, PCM 7.1/5.1/2.0

- HDMI OUT 2 (Downscaling) - Downmixed digital audio, PCM 2CH 48KHz 24Bit
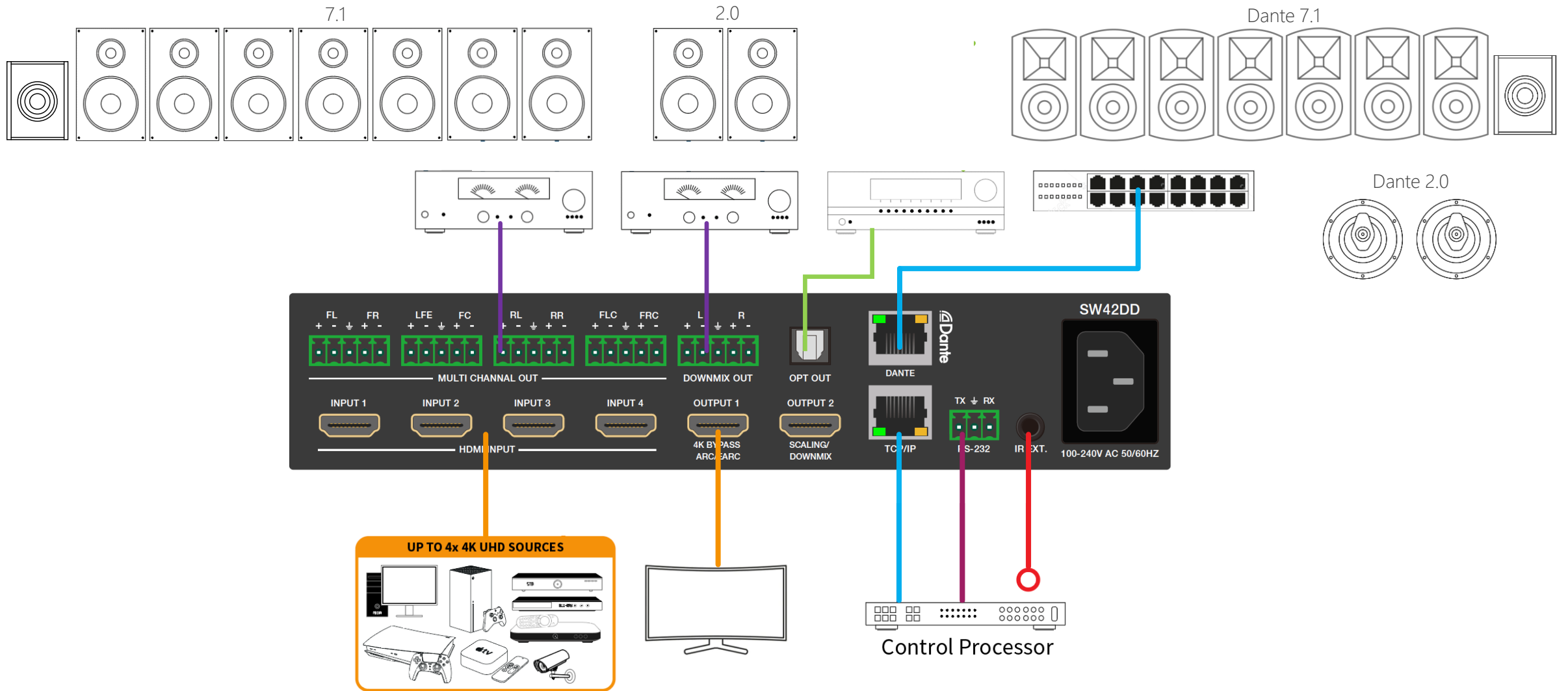
- eARC/ARC input

Audio Breakout:

- Optical: Downmixed digital audio, PCM 2CH 48KHz 24Bit

- Optical: Pass through digital audio, up to 5.1CH PCM/Dolby/DTS 32KHz-192KHz 16/24Bit

- Line: 2ch Downmixed audio, balanced/unbalanced 2CH, Max output level 2VRMS

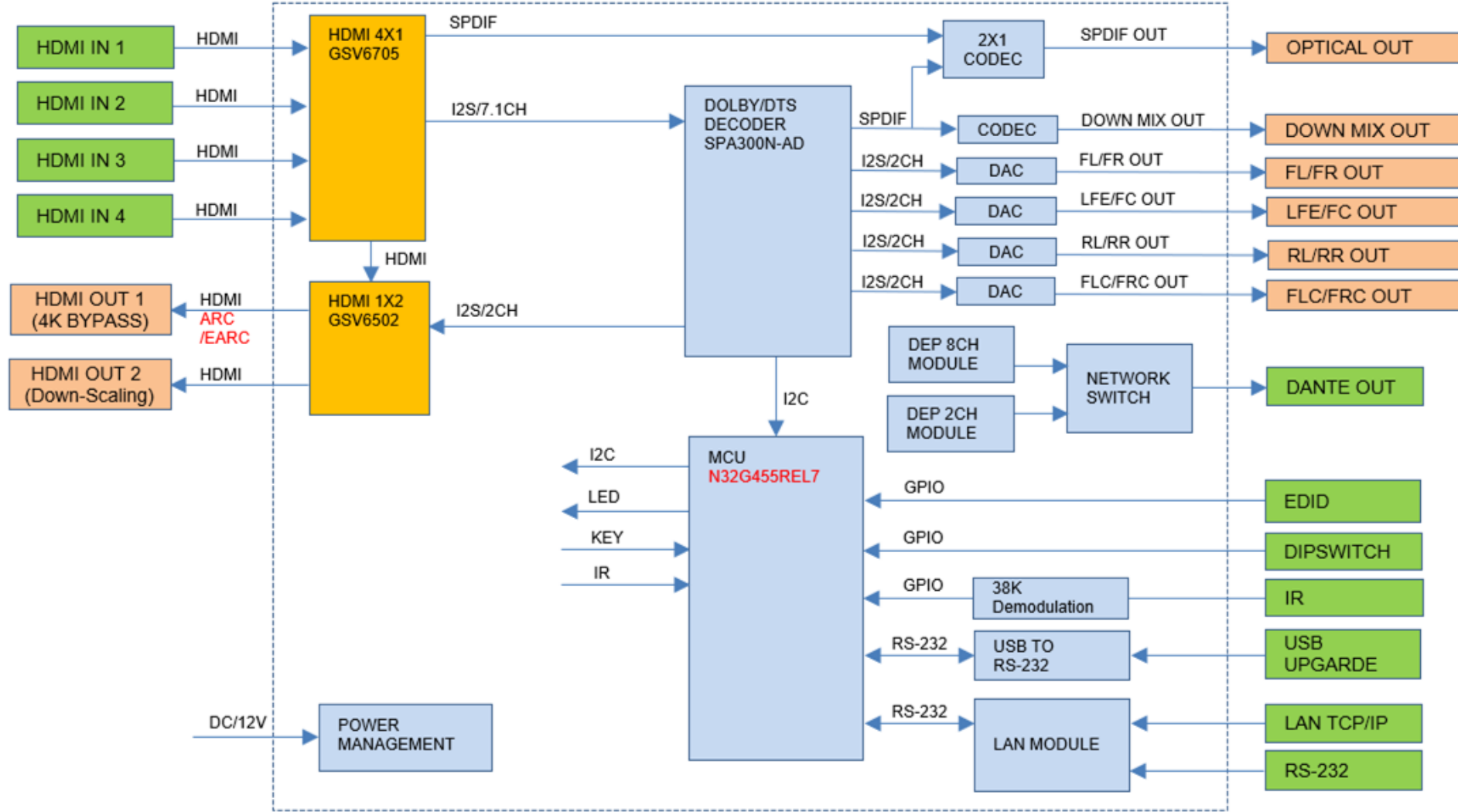- Line: 8ch Decoded audio, balanced/unbalanced 8CH, Max output level 2VRMS

Dante Out:

- DEP 2ch: Downmixed digital audio, PCM 2CH 44.1K-96KHz 16/24Bit

- DEP 8ch: Decoded digital audio, PCM 8CH 44.1K-96KHz 16/24Bit

  (Inc AES67)

Dante® Solutions

BLUSTREAM

SW42DA - 4x2 Switcher with Dolby/DTS 7.1 to Dante converter

Dante® Solutions

BLUSTREAM

SW42DA – 4x2 Switcher with Dolby/DTS 7.1 to Dante converter

Dante® Solutions

BLUSTREAM

BLUSTREAM

Questions