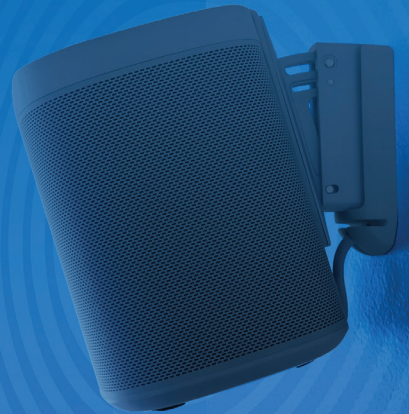


**BLUSTREAM** →  
AV DISTRIBUTION WITHOUT COMPROMISE

 **Dante**®

**Audio Solutions**



**Intuitive products to enhance any Dante AV installation**

# BLUSTREAM


Blustream is the audio-visual industry's award-winning option for advanced AV distribution. Our products have been designed and engineered by a global team of AV specialists with over 50 years' experience. Our dedicated line up of education specific solutions deliver the latest AV distribution and automation technologies into various learning environments.

## Why choose Blustream?

-  Territory based warehousing and product development
-  Products supported by a 3 year warranty (extended warranty available)
-  Industry leading support processes with no quibble advanced replacement policy
-  Next day delivery available throughout EMEA
-  Industry leading training and technical support services
-  Fully accredited licensee of HDMI, HDBaseT™, SDVoE, Dolby®, DTS™ and Dante® technology platforms
-  Extensive roadmap for new product development
-  Driver integration available for major third party control systems
-  Key player in the rapidly evolving Video over IP platform
-  Web GUI & App control available on the majority of matrix and IP systems

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 To see the full range of Blustream AV distribution solutions please visit our website - [www.blustream-us.com](http://www.blustream-us.com)



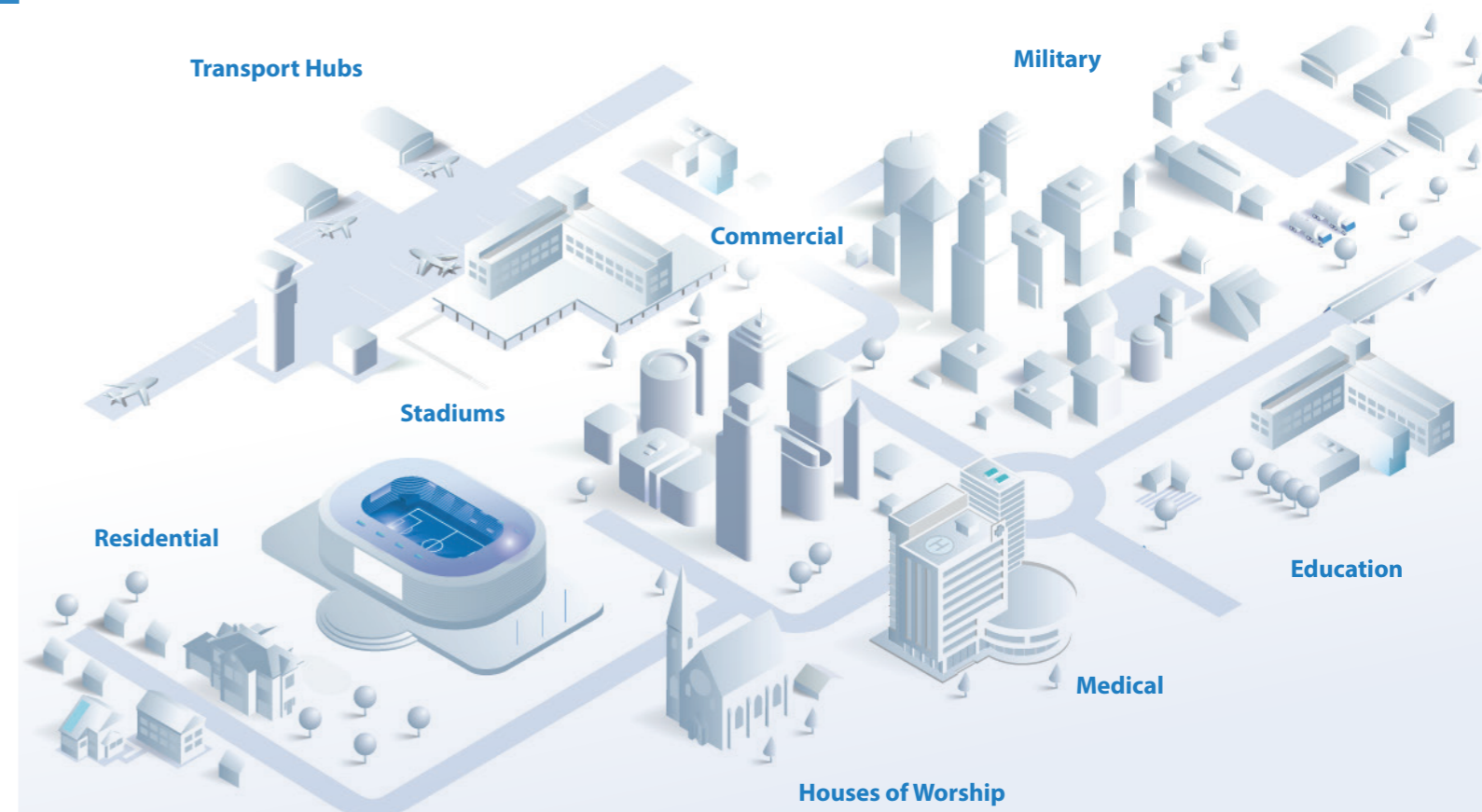
## Suitable for a range of Commercial Applications

AV systems have traditionally required point-to-point physical connections between devices, resulting in cumbersome amounts of specialized, single-purpose cables that define where audio and video signals can go. Changes are labor-intensive and expensive, and noise and signal degradation are constant companions as distances grow. The result is systems that are difficult to deploy and even more difficult to adapt as demands shift.

Dante replaces all of those connections with a computer network, effortlessly sending video or hundreds of channels of audio over slender Ethernet cables with perfect digital fidelity. All connections are now managed with software, making routes fast, readable and reliable.

Because all devices share the same network, signals can be sent between any devices no matter where they are located on a site, with no change to the wiring at all. Dante is the evolution of AV systems, converging all previous connection types into one. Dante delivers vastly superior performance while making these systems easier to use, easier to expand, and less expensive to deploy.

The Dante® platform enables effortless distribution and management of AV signals in a multitude of installation environments



# Campus Wide Networked AV



## Multicast 4K Video over IP

Cost effective distribution and management of AV throughout a whole building or campus facility is now here. Integration of an AV over IP network delivers both flawless performance and flexibility for content distribution throughout classrooms, boardrooms and public areas. Incorporating an unlimited number of sources and displays the system can distribute 4K video and Dante Audio over extensive distances.\*.

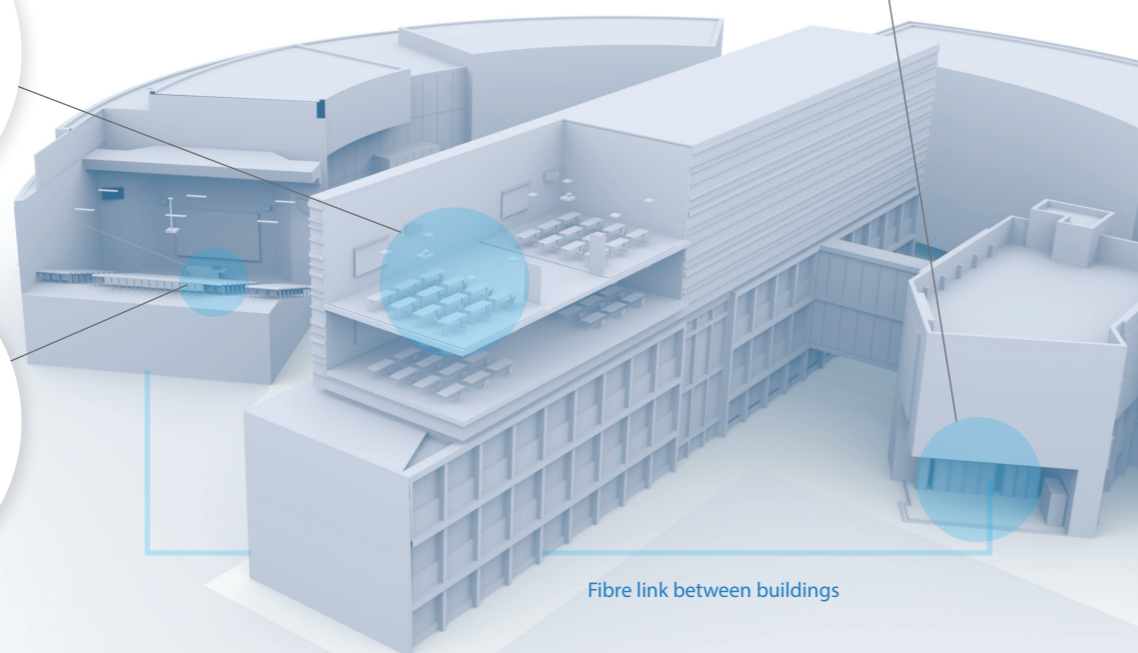
*\*Blustream Multicast can also integrate with all major 3rd Party control brands.*

### Central AV Rack

Centrally managed sources can be distributed campus wide.



### State of the art campus



#### Scalability

Blustream systems are built to scale ranging from multi-room control, to the whole campus.

#### Remote Integration

Integrate local sources such as laptops or PTZ cameras. These can be distributed throughout the AV network.

Fibre link between buildings

## IP250UHD-TX/RX

### IP Multicast UHD Video over 1Gb Network featuring Dante® Integration

The IP250UHD TX/RX is an industry leading 4K HDCP 2.2 HDMI distribution platform that, using visually lossless compression technology, delivers HDMI, bi-directional IR, RS-232 & USB/KVM up to lengths of 100m over standard network architecture, or greater distances using the in-built fibre SFP port.



#### Key Features

- Operates as a stand-alone system, or together with existing IP200UHD products
- Dual RJ45 network ports configurable for independent or combined HDMI and Dante® signal distribution
- 2ch Dante® TX for encoding of audio from HDMI source or local analogue audio input
- 2ch Dante® RX for decoding audio onto the HDMI signal or breakout to local analogue audio output
- Optical (S/PDIF) audio input for conversion of a stereo digital audio format into a Dante® audio system



## IP200UHD-TX/RX

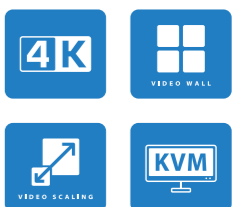
### IP Multicast UHD Video over 1Gb Network

Our UHD Multicast distribution platform allows virtually latency free (1 frame) distribution of HDMI video over a 1Gb Network switch. The IP200UHD is an industry leading 4K HDCP 2.2 HDMI platform that using visually lossless compression technology delivers HDMI, Bi-directional IR, RS-232 & USB/KVM up to lengths of 100m over standard network architecture.



#### Key Features

- Advanced UHD video over 1Gb Network
- Virtually unlimited system size
- Extends HDMI up to a distance of 100m over a single CAT cable
- Advanced signal management for independent routing of IR, RS-232, USB / KVM, audio and video
- Video up-scaling and down-scaling



### Operational Modes

1

#### Matrix distribution

Integrate any number of sources and displays into the system

2

#### Video wall presentation

Combine video walls and individual displays on a single system

3

#### One-to-one

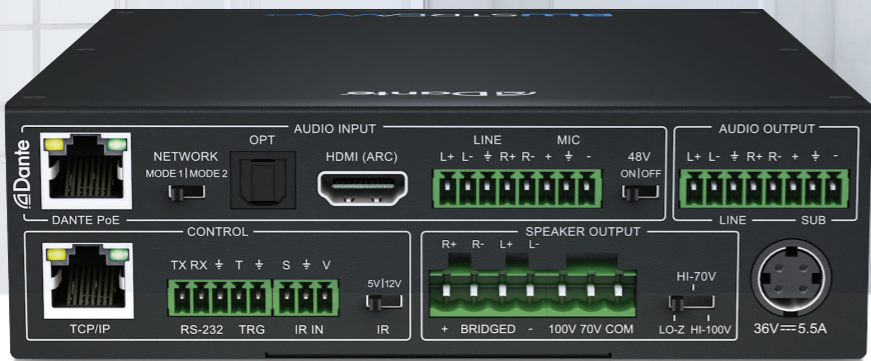
Point to Point transmission of 4K video (up to 100m)

4

#### One-to-many

Single source distribution to multiple displays (up to 100m)

# Networked Power Amplifiers

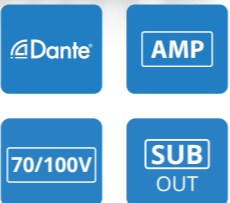


## NPA100DA Networked Power Amplifier with Dante®

Our NPA100DA networked audio zone amplifier delivers advanced audio integration within an education environment. The NPA100DA features a 2x 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.

- Audio inputs:**
- 2ch Dante®/AES67 audio input
  - HDMI ARC with CEC volume control
  - MIC audio input with Phantom power and auto-ducking
  - 2ch Analogue audio input – unbalanced & balanced
  - 1 x Optical (S/PDIF) audio input

- Audio Outputs:**
- 2ch Dante®/AES67 audio output
  - 2ch variable/fixed analogue output, balanced/un-balanced
  - 1 x LFE subwoofer output

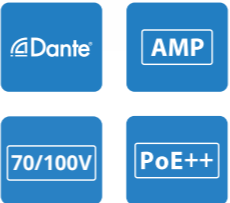


## NPA70DA Networked Power Amplifier with Dante®

Our NPA70DA networked audio zone amplifier delivers advanced audio integration within a commercial or residential AV installation. 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.

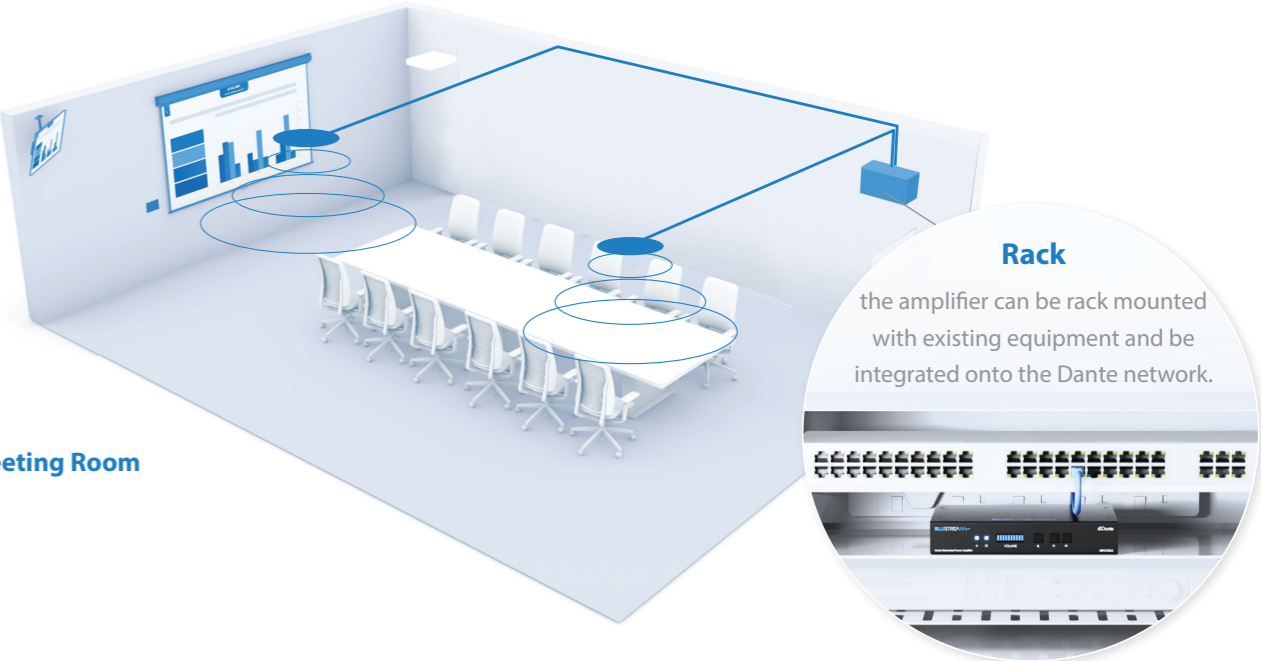
- Audio inputs:**
- Advanced network audio amplifier with Dante® integration
  - Supports power via PoE++ on Dante® LAN connection or local power supply
  - Local 12V input trigger for automated power control

- Audio inputs:**
- 2ch Dante®/AES67 audio input
- Audio Outputs:**
- 2ch Dante®/AES67 audio output
  - 4-Pin Phoenix connector
  - 1 x 3-Pin Phoenix connector



## Stereo Output

In stereo mode the amplifier can be rack mounted with existing equipment and be integrated onto the Dante network. From here the amplifier can deliver 35w per channel to local or remotely located speakers.

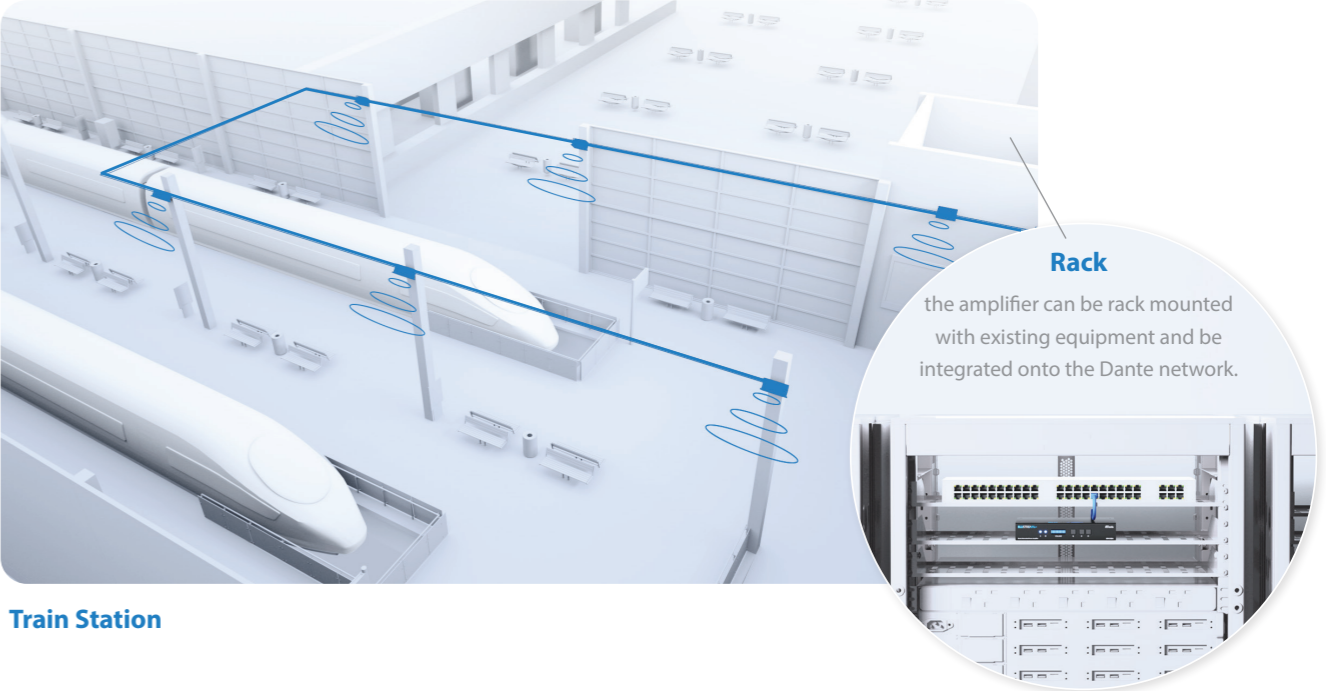


Meeting Room

**Rack**  
the amplifier can be rack mounted with existing equipment and be integrated onto the Dante network.

## 70V Remote Output

For remote commercial applications such as public transport stations the NPA70DA can be utilised to deliver 70v/100v constant output to multiple speakers over longer single cable runs.



Train Station

**Rack**  
the amplifier can be rack mounted with existing equipment and be integrated onto the Dante network.

# Dante® Wallplates

## DA11ABL-WP-US

### Bluetooth & Analog Audio Dante® Wall Plate US

The DA11ABL-WP-US is a multi-input / output wall plate to convert Bluetooth and analog 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.

#### Key Features

- Dante® network wall plate interface for Bluetooth and analog L/R audio inputs, and L/R audio outputs
- Converts 2ch Bluetooth, or un-balanced audio sources to Dante® audio
- Converts 2x Dante® audio channels to un-balanced audio outputs
- Configurable Bluetooth naming allows for simple discovery of the unit



#### Mounting the DA11ABL-WP-US

The DA11ABL-WP-US has been designed to fit into a US Decora style backbox.



## DA22XLR-WP-US

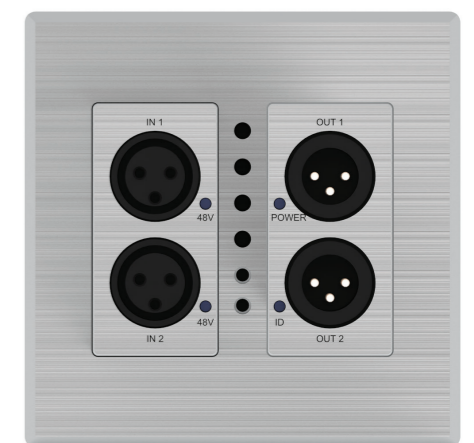
### Line / MIC 2+2 XLR Dante® Audio Wall Plate US

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

The DA22XLR-WP converts 2 input channels of balanced / unbalanced / MIC audio with switchable 48v Phantom power to Dante® digital audio, and 2 channels of Dante® audio to 2 output channels of balanced / unbalanced audio.

#### Key Features

- 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 2x Dante® audio channels to un-balanced audio outputs
- Switchable 48V Phantom power for each MIC XLR input
- Adjustable MIC / line sensitivity from +24dBu to -28dBV for each XLR input

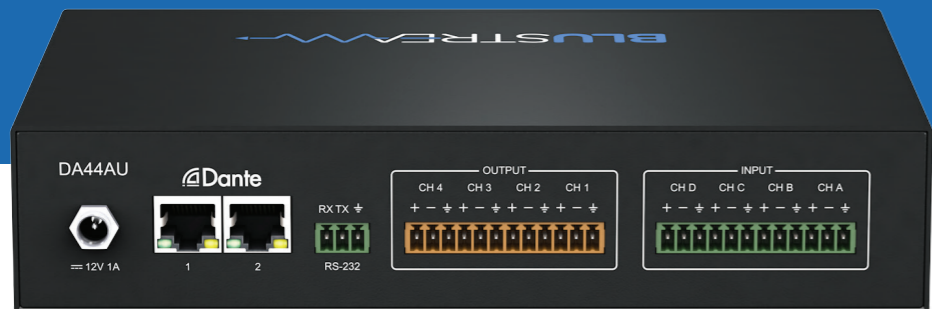


#### Mounting the DA22XLR-WP-US

The DA22XLR-WP-US has been designed to fit into a US Decora style backbox.



# Networked Audio Converters



## DA44AU 4x4 Dante® Digital Audio Converter

Our DA44AU is a four input / four output Dante® digital 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 an audio source within a Dante® network, as well as converting a Dante® signal back to an analogue audio signal.

### Key Features

- Features 4 x analogue audio inputs that are converted to a Dante® compatible signal
- Features conversion of 4 x Dante® signals to analogue audio outputs
- Analogue audio inputs support both balanced and unbalanced audio + MIC line level signals
- MIC line level supports 48V Phantom power



## DA11ADE Dante® Audio Analogue Decoder

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

### Key Features

- Supports 44.1, 48 & 96 KHz sample rates @ 24 Bit
- Configurable Dante® device latency (supports 1, 2 or 5ms configurable using Dante® Controller)
- Supports AES67 RTP audio transport
- Features Class 1 802.3af PoE for powering of product from any PoE switch



## DA11AEN Dante® Audio Analogue Encoder

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

### Key Features

- Supports 44.1, 48 & 96 KHz sample rates @ 24 Bit
- Configurable Dante® device latency (supports 1, 2 or 5ms configurable using Dante® Controller)
- Supports AES67 RTP audio transport
- Features Class 1 802.3af PoE for powering of product from any PoE switch



## DA22DIG Digital & Analogue Dante® Converter

Our DA22DIG has been designed to both encode 2ch analogue or digital audio to a Dante® digital signal, and decode a Dante® digital signal to 2ch analogue and digital audio. The DA22DIG features both analogue audio and digital audio connections, selectable via dip-switch and is a plug & play device that is powered using PoE (Power over Ethernet), or via 12V power supply.

### Key Features

- Encodes 2ch analogue audio or digital audio to Dante® digital signal
- Decodes a Dante® digital signal to 2ch analogue audio and digital audio
- Selectable digital audio between optical toslink and coaxial RCA inputs
- Configurable MIC audio input with 48V phantom power

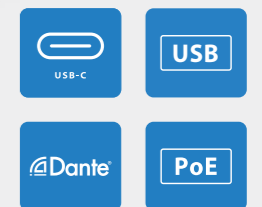


## DA11USB Dante® USB Audio Encoder / Decoder

Our DA11USB has been designed to both encode 2ch USB audio to a Dante® digital signal, and decode a Dante® digital signal to 2ch USB audio. Featuring both USB Type-B and USB-C connections and powered from PoE or direct from the USB connection. The DA11USB is a plug and play device which also supports AES67 RTP audio transport.

### Key Features

- Encodes 2ch USB audio to Dante® digital signal
- Decodes a Dante® digital signal to 2ch USB audio
- Selectable USB audio between USB Type-B and USB-C inputs
- Configurable Dante® device latency (supports 1, 2 or 5ms configurable using Dante® Controller)



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To see the full range of Blustream AV distribution solutions please visit our website - [www.blustream-us.com](http://www.blustream-us.com)



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