

## unD32 BoB

### DANTE 32 CHANNEL BREAK OUT INTERFACE

The unD32 32 Channel Dante Break Out Interface (BoB) is a 32 Channel, 1RU Dante break out interface for all types of commercial AV installations. Applications from stadia to convention centers to houses of worship will find immediate use for this cost-effective and high density Dante endpoint solution. Audio quality is paramount in the design of the unD32.

Each of the 32 analog outputs on the unD32 may be assigned to any Dante flow in the system, either by means of the front panel controls or using Audinate's **Dante Controller** Windows or OSX application. A 16x2 display shows flow names and signal levels for each of the 32 analog output channels. In addition, each output level is individually controllable over a 60dB range plus mute.

The unD32 features both primary and secondary Gigabit Dante network connections for full redundancy, as well as a third "local" Gigabit port. This port gives network access to other equipment in the rack (e.g. amplifier controllers, control devices, etc.) without the need for a separate Ethernet switch.

### FEATURES AND BENEFITS

- Highest density Dante Break Out Interface - 32 analog outputs in a 1RU enclosure
- Automatically identifies and lists all named flows on the network, making assignment of audio flows to analog outputs simple from the front panel interface
- Each analog output includes adjustable volume control in .375dB increments over a 60dB range, plus mute
- Audio flow name, volume setting, and output audio level are indicated for each output channel on the front panel display for easy reference and adjustment
- Each analog output is fully balanced, with grounding and shielding per AES48-2005 standards



### APPLICATIONS

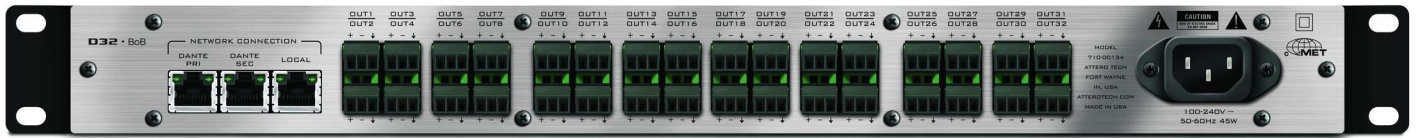
- Stadium applications, where large numbers of separate amplifier channels are required to drive multi-driver speaker clusters
- Convention centers or other facilities with multiple rooms that require separate audio feeds to 70V/100V amplifiers
- House of worship applications to deliver multiple channels of audio from Dante equipped mixing consoles (e.g. Yamaha, Allen-Heath) to the platform or side fill areas

### ABOUT ATTERO TECH

Attero Tech is a leading provider of both Dante and CobraNet® audio interfaces. These innovative networked audio products make it cost effective for audio installations to include high performance networking. Attero Tech is headquartered in Fort Wayne, Indiana. Contact us at:

260.496.9668

[www.atterotech.com](http://www.atterotech.com)



## unD32 Rear Panel Connections

AC Power Input - Universal input (100V-240V, 50Hz-60Hz) IEC connector. Active PFC input for low AC line distortion.

Dante Primary/Secondary Network Connection - Gigabit Ethernet redundant connections to the Dante network. If the Primary and Secondary network connections are separate (either physically or VLAN) networks with redundant digital audio data, automatic failover protection will result.

Local Network Connection - Standard 10/100/1000 Ethernet port that may be used by other equipment that requires a network connection to the Dante network.

Balanced Outputs - 32 low impedance (200 ohms balanced, 100 ohms unbalanced) balanced analog outputs.

## SPECIFICATIONS

Output Type: Balanced with automatic muting upon loss of Dante signal

Output Impedance: 200 ohms balanced, 100 ohms unbalanced (i.e. either "+" or "-" output with respect to ground)

Output Noise: < -90dBu @ 0dB gain

Dynamic Range: > 110dB

Maximum Output Level: +20dBu

System THD: < 0.05% at any gain, input signal 3dB below maximum

Number of Analog Output Channels: 32

Power Consumption: 45 W maximum at 100V-240VAC

Certifications: FCC Part 15 Class A, CE (EN55022 Class A), UL. Compliant with AES48-2005 Grounding/EMI Guidelines

Dimensions: 1.75" H x 19" W x 6" D

## ARCHITECTS & ENGINEERS SPECS

The Dante Break Out Interface shall have 32 balanced analog output channels. Each channel shall be capable of being driven from a unique Dante audio flow, such that a maximum of 32 different audio signals can be output simultaneously.

The unit shall have a 16x2 character LED display and 6 buttons on the front panel which allow all parameters of the unit to be adjusted and monitored. All parameter changes will be non-volatile and self-restoring in the event of AC power interruption.

The unit's display shall show Dante audio flow name, volume setting in dB, and relative output level for each channel.

The unit shall accept worldwide voltages from 100V-240VAC, 50Hz - 60Hz and have active PFC (power factor correction).

The unit shall be compliant with FCC Part 15, CE, and UL requirements. Analog output grounding and shielding shall be compliant with AES48-2005 guidelines.

The unit shall be the Atterotech unD32 BoB