ATTEROTECH

ŭncomplicated AV

unD32

32 Channel Dante™ / AES67 Breakout Interface

The unD32 is a 32 Channel Dante™/AES67 Break Out Interface in a 1RU form-factor for all types of commercial AV installations. Applications from stadiums to convention centers to houses of worship will find immediate use for this cost effective and high density Dante™/AES67 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

- Supports Dante™ Domain Manager

- 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

- Provide mixer split interface for legacy FOH mixers that need Dante™ input connectivity

ABOUT ATTERO TECH

Attero Tech is a leading provider of networked audio and connectivity interfaces. These innovative products make it cost effective for audio installations to include high performance connectivity. Attero Tech is headquartered in Fort Wayne, Indiana USA - where all of our products are designed and built. Contact us at:

260.496.9668   www.atterotech.com

unD32 PRODUCT BRIEF

unD32 Front and Rear Panels

SPECIFICATIONS

Output Type: Balanced with automatic muting upon loss of Dante/AES67 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

Certifications: FCC 47CFR Parts 15B and 18 (Class A), EN 55011, ICES-003, CE (EN55022 Class A and EN55024 Class A)

Power Consumption: 20W maximum

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

Operating Temperature: 0°C - 40°C

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 nonvolatile 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 +24VDC and utilize a locking power connector.

The Dante™/AES67 interface shall be compliant with the RoHS directive.

The Dante™/AES67 interface unit shall be compliant with the EMI/EMC requirements for FCC 47CFR Parts 15B and 18 (Class A), EN 55011, ICES-003, CE (EN55022 Class A and EN55024 Class A). Analog output grounding and shielding shall be compliant with AES48-2005 guidelines.

The device shall include support for use in systems utilizing Dante™ Domain Manager.

The Dante™/AES67 interface shall be the Attero Tech unD32.