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Dante® / AES67 Audio Interface

Robust Location Four* Channel Dante® / AES67 Network Audio Interfaces

Dante®

AoIP4I Four Audio Inputs to Dante®/AES67
AoIP4O Four* Audio Outputs from Dante®/AES67

Highlights

- Powered by PoE
- Balanced Audio Channels
- Dante® / AES67 Network Audio
- Up to 96k/ 24 bit
- Low Cost & Long Life
- Robust Aluminium Construction

Overview

Glensound AoIP4I and AoIP4O are packaged in small & rugged formats and designed for outside broadcast, theatre and location applications.

Both units are designed to easily and quickly interface existing analogue equipment to a Dante® / AES67 network audio system. Being powered by PoE means that only one cable needs to be connected to the network to carry both audio and power, providing flexibility and saving time on installation.

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AoIP4I provides 4 balanced analogue audio inputs to a Dante®/AES67 audio network and the AoIP4O provides 4* balanced analogue audio outputs from the Dante®/ AES67 network.

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Robust proven construction techniques, simple reliable interface and excellent specification will help make your technician's life hassle free. Whilst the low cost and long asset life will keep the accountant satisfied.

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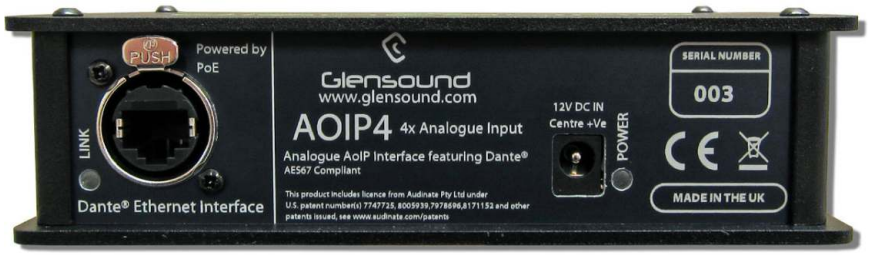

COMMON FEATURES

- **PoE Powering**

For ease of setup only 1 single cable is needed to transport both power and audio to the AoIP units. The network cable carrying audio can also power the device using standard Power Over Ethernet (PoE) technology when connected to a suitable network switch or to a mid span PoE injector

- **EXTERNAL DC POWER INPUT**

An industry standard barrel connector is used for powering the AoIP units from an external 12V DC power source.

- **REDUNDANT POWER**

If both PoE and DC power sources are connected then power supply redundnacy is automatically enabled, meaning that either one of the power sources can be lost and the AoIP unit will continue working.

- **POWER ON LED**

A bright blue rear panel LED indicates that the device is turned on.

- **OPTIONAL BELT CLIP**

An optional removable beltclip can be fitted to one side of the AoIP4. Although unlikely to be used to fasten the unit to a belt, it is flexible enough to be used to fix the unit in lots of different places.

- **RUBBER FEET**

The AoIP units are supplied with stick on rubber feet so if the AoIP4 is to be sat on a desk or the back of a workbench, then the rubber feet are fitted to stop it sliding around.

- **FIXING HOLES**

All four front corners of the AoIP4 feature large extremely strong holes that are ideal for mounting the unit with. For temporary mounting cable ties can be used and easily threaded through the holes, alternatively for a permanent fixing solution screws can be used instead.

- **NEUTRIK XLRs**

For audio integrity and reliability we only use high quality gold plated Neutrik XLRs

- **FULLY PROTECTED ELECTRONICALLY BALANCED CIRCUITS**

Not all electronically balanced audio circuits offer the same performance and reliability. With many years of specific broadcast audio experience we've designed exceptionally robust and noise free circuits that have been proven to be best in class time and time again.

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SPECIFICATION

AUDIO

Frequency Response
20Hz to 22k ≤ ± 0.25dB

Maximum Input Before Clip
+18dBu

Maximum Output Level
+18dBu

Input Impedance
>20 kΩ

Output Impedance
50 Ω

Distortion (Analogue in to Dante Out)
0.0013% THD+N @ 1kHz
Reference to +18dBu output

Distortion (Dante in to Analogue Out)
0.0026% THD+N @ 1kHz
Reference to +18dBu output

Noise (Analogue In & Out @ 0dBu)
-92dBu (Residual)

Dynamic Range
108dBs

Crosstalk (0dBu input to output 1k tone)
-135dBu

Output Type
Electronically balanced (can be wired unbalanced) on Neutrik 3 pin XLR plug

Input Type
Electronically balanced (can be wired Unbalanced) on Neutrik 3 pin XLR socket

Digital Full Scale
+18dBu = 0dBFs

PHYSICAL

Size
153 x 105 x 41mm (WxDxH)
Excluding Beltclip

Weight
420g

Mechanics
All aluminium construction, anodized and laser etched

ENVIROMENTAL

Operating Temperature
0 to +50 °C (32 to 122 °F)

Storage Temperature
-20 to +70 °C (32 to 122 °F)

Relative Humidty
0 to 95% non-condensing

POWER

DC Input
2.5mm Barrel, Centre +Ve, 9 - 15 Volts

Consumption
<3 Watts

PoE
May be powered by PoE
Complies to: IEEE 802.3af-2003
Classification Class 0

Power On LED
Bright Blue

NETWORK AUDIO

Compatible Audio Networks
Dante® uncompressed, low latency audio.
AES67

Connector
Neutrik EtherCON (also mates with standard RJ45s)

Dante Network Sample Rate
4 Audio Channels: 44.1k, 48k
2 Audio Channels: 88.2k, 96k

Resolution
Up to 24 Bit

AES67 Network Sample Rate
48k

Ethernet Interface
100BASE-TX

Chipset
Ultimo UXT-01-004
Note: Audiante recommend no more than 10 Ultimo chipsets on one network **UNLESS** another Dante® device such as the Brooklyn Module (found in many of our other units), is on the same network

INCLUDED ITEMS

Handbook
Paper Copy (Download also available)

Rj45 Network Cable
2 metre Cat5 Rj45 plug/ Rj45 plug cable

Ruber Feet
4 x stick on rubber feet

OPTIONAL ITEMS

Extrenal DD PSU
Desktop style switch mode mains PSU

Beltclip
Rugged, flexible plastic beltclip

* AoIP4I FOUR INCOMING AUDIO CIRCUITS

This device uses Audinate's Ultimo Chipset. This chipset can receive 4 incoming audio channels each at 48kHz. However this chipset can only receive these 4 audio channels from a maximum of 2 network locations.

E & OE

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