

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



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

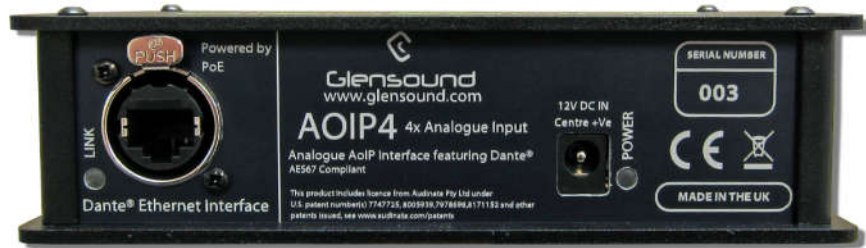
Overview

This device uses Audinate's Ultimo Chipset, which 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 (2 different devices). This is common with any manufacturer that uses this chipset.

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.

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.

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.



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 redundancy 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.

- **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. 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.

AUDIO**Frequency Response**20Hz to 22k \pm 0.25dB**Maximum Input Before Clip**

+18dBu

Maximum Output Level

+18dBu

Input Impedance>20 k Ω **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)

Weight

420g

Mechanics

All aluminium construction, anodized and laser etched

ENVIRONMENTAL**Operating Temperature**

0 to +50 °C (32 to 122 °F)

Storage Temperature

-20 to +70 °C (-4 to 158 °F)

Relative Humidity

0 to 95% non-condensing

POWER**DC Input**

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

Consumption

<3 Watts

PoEMay 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 Rate4 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**

By download

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

*** AoIP4I FOUR INCOMING AUDIO CIRCUITS**

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E & OE