Attero Tech by QSC
Synapse D32o

Dante™/AES67 Networked Audio
Interface - 32 channel outputs

Features

- 32 line level balanced outputs

- Front panel for network audio level control

- Pairs with the Synapse D32i for high quality network audio signal extension, or driving large racks of analog input amplifiers

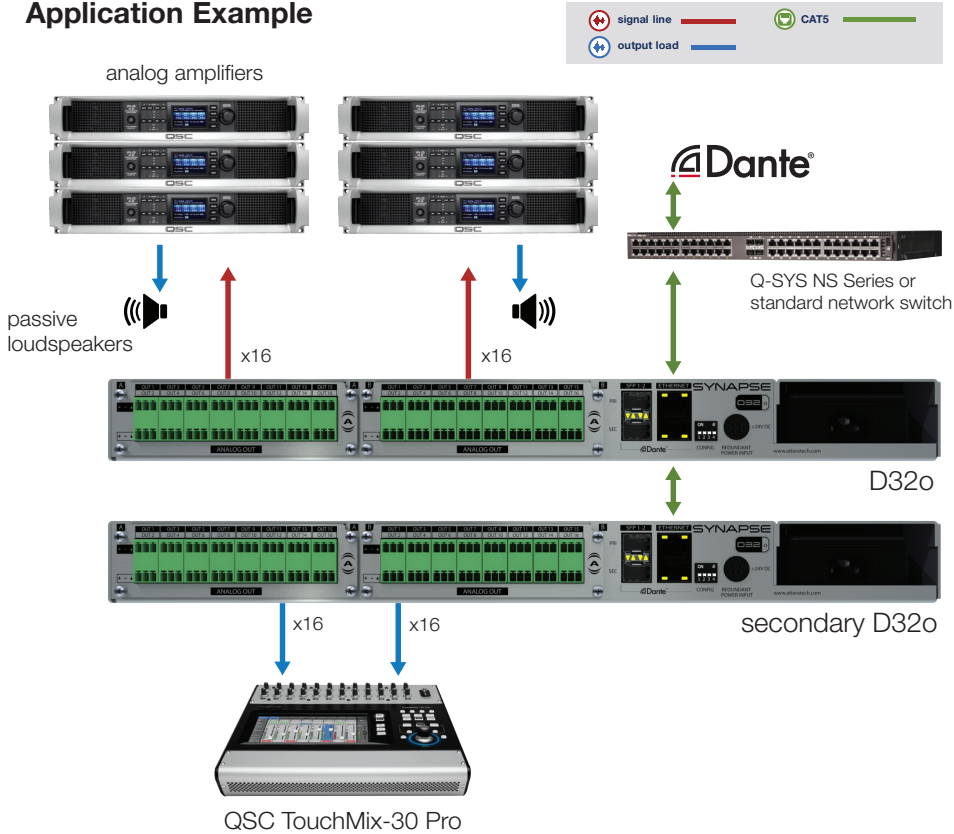- Software controllable output matrix routing

Applications: Live Sound • Stadiums • Recording Studios • Education • Conference Centers

The D32o is a high performance, high channel density networked audio interface supporting Dante™ with AES67 interoperability. It features 32 line level balanced outputs with digitally controlled output attenuation from 0 to -100 dB. All outputs are available independently for routing from the Dante / AES67 network audio interfaces. The D32o is available in terminal block or DB-25 options for optimum ease of connectivity and wiring.

A Q-SYS control plugin is available that enables simple integration of the Synapse D16Mio into the Q-SYS Ecosystem.

Application Example

analog amplifiers

signal line
output load
CAT5

passive loudspeakers

x16   x16

Q-SYS NS Series or standard network switch

D32o

secondary D32o

x16   x16

QSC TouchMix-30 Pro

Specifications

Analog Outputs

Maximum output level	+24 dBu
Output impedance	200 Ω
Input type	3-pin XLR-M
Dynamic range	>110 dB
THD+N	<0.02% @ -3 dBFS
Frequency response	20 Hz to 20 kHz, +/- 0.5 dB

Headphone Output

Connector	1/4 in TRS jack
Controls	mute / volume encoder
Load	32 Ω minimum

Audio Networking

Protocol support	Dante™ with AES67 support
Channel count	32 Dante RX
Modes	Switched or Redundant Mode
Latency	0.250 ms minimum
Ports	2 - Gb copper on RJ-45, 2 - Gb SFP
Sample rates	16/24-bit, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz

Environmental

Power	110 V-220 V AC Input, with optional external 24 VDC redundant supply
Power consumption	<20 W

General

Dimensions (HWD)	1 RU form factor 1.75 x 19 x 12.5 in (44.5 x 482.6 x 5080 mm)
Weight	6 lb (2.72 kg)
Operating temperature	0 to 40° C
Regulatory compliance	FCC 47CFR Parts 15B and 18 (Class A), EN 55011, ICES-003, CE (EN55032 Class A and EN55024 Class A)

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