



**Attero Tech by QSC
Synapse DM1**

Dante™/AES67 Rackmount Audio Monitor

Features

- Monitor up to 32 Dante network audio channels in standard monitoring mode and 128 subscription based monitoring channels in extended mode
- Local audio input channels provide on-ramps into Dante/AES67 audio network



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

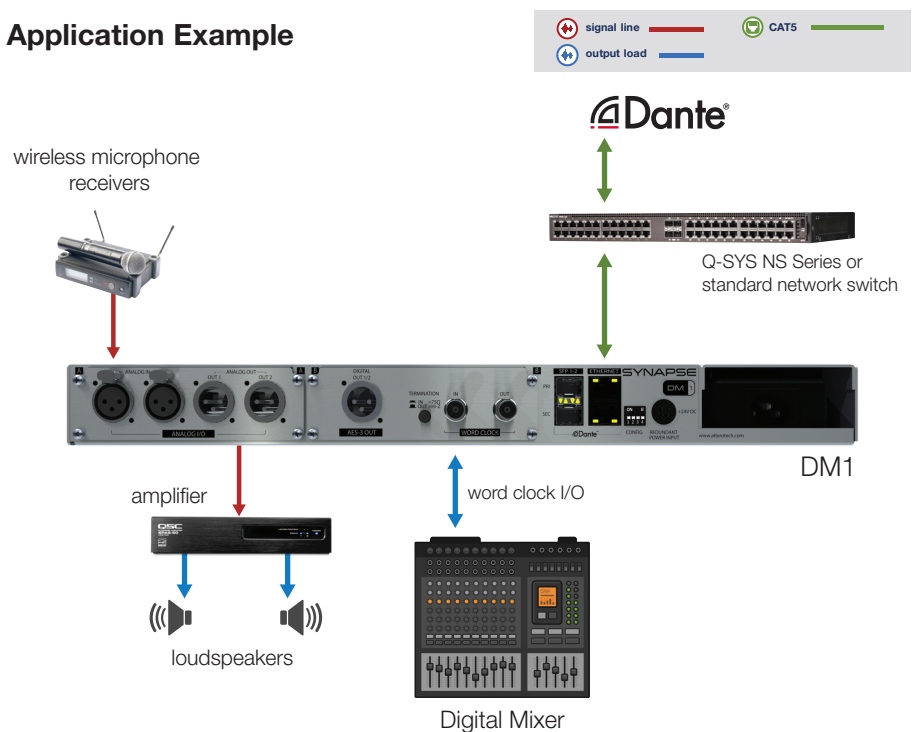
The Synapse DM1 is a rackmount network audio monitor for confidence monitoring of network audio and local sources at the rack via headphones or through the device's integrated loudspeakers. The DM1 has two modes of network audio monitoring (selectable via the device's front panel):

- **Standard:** Monitor any of the 32 channels assigned to the DM1's Dante/AES67 receiver inputs
- **Extended:** Allows for subscription-based monitoring of up to 128 Dante/AES67 channels loaded to the DM1 (via Attero tech Unify Control Panel Software)

Additionally, it features AES-3 digital outputs for connectivity to full-range powered speakers or amplifiers, along with two channels of analog I/O for local source monitoring and network I/O connectivity.

A Q-SYS control plugin is available that enables simple integration of the Synapse DM1 into the Q-SYS Ecosystem.

Application Example



Synapse DM1 Details

Specifications

Analog Inputs

Maximum input level	+24 dBu
Input impedance	10k Ω
Input type	3-pin XLR-F
Dynamic range	>105 dB
THD+N	<0.02% @ -3 sBFS
Frequency response	20 Hz to 20 kHz, +/- 0.5 dB

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, 2 Dante TX
Modes	Switched or Redundant Mode
Latency	0.250 ms minimum
Ports	2 - Gb copper on RJ-45, 2 - Gb SFP

Digital I/O

AES-3	AES-3 digital output on 3-pin XLR-M
Word clock	Sync I/O on BNC with switchable 75 Ohm termination on input

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 508.0 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)

