

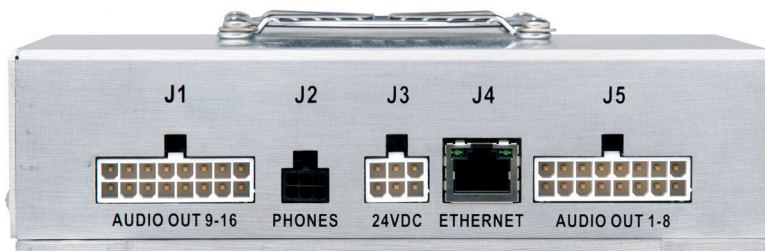


**Attero Tech by QSC**  
**Axon DTH1620**

Dante™ / AES67 network amplifier

**Features**

- 16-ch, 20 W network amplifier designed for themed entertainment and other specialized audio applications
- Ruggedized and vibration tested for use in mobile attractions
- Dante/AES67 connectivity with remote control and monitoring
- Loudspeaker outputs and power inputs use Molex connectors optimized for high vibration environments
- Headphone output for local signal monitoring
- Software network commands include channel volume/mute, main volume/mute, amp status, amp temperature
- Available Q-SYS Extension
- Dante Domain Manager ready



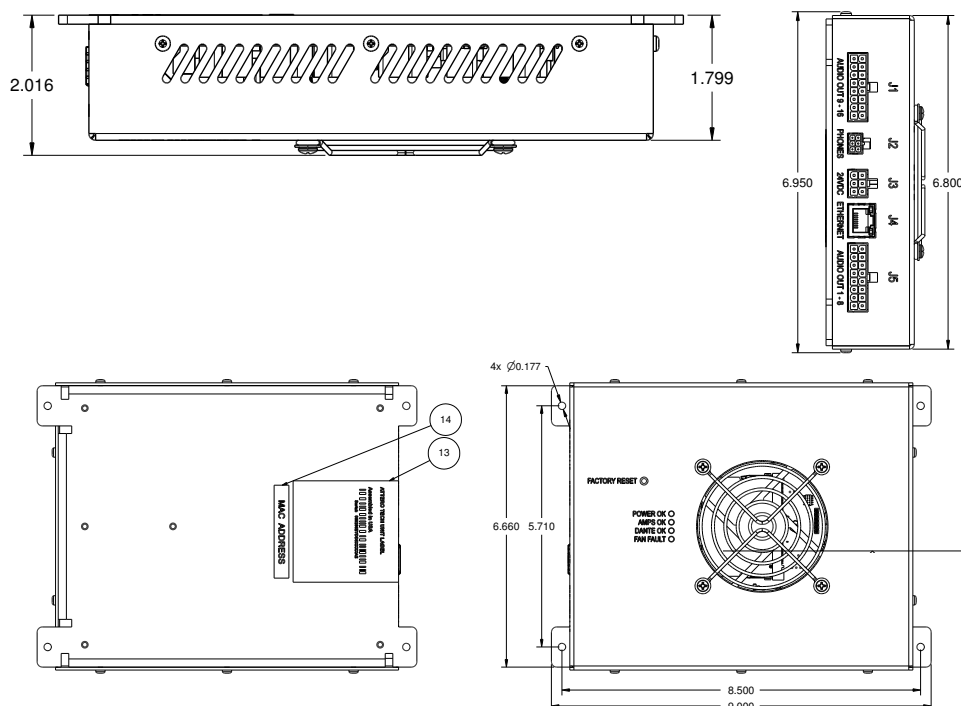
**Applications: Themed Entertainment • Moving or Stationary Attractions • Museums • Immersive Theatre Venues**

The Attero Tech by QSC DTH1620 is multi-channel, low-power (16-channel x 20 watts) Dante/AES67 network amplifier, designed for themed entertainment usage and other specialized audio applications, and optimized for integration into the Q-SYS Ecosystem.

**Purpose built for themed entertainment and beyond** – The Attero Tech by QSC DTH1620 Dante/AES67 network amplifier is designed to support high-channel, low power output audio applications, including individual theme park rides, attractions or parade floats. It features 16-channels at 20 watts per channel in a ruggedized and compact form factor, with the ability to support both traditional passive transducers and haptic transducers, enabling specialized audio applications beyond the theme park.

**Q-SYS Ecosystem integration** – Q-SYS drag-and-drop control programming simplifies the integration process, letting you deploy the DTH1620 Dante/AES67 network amplifier without complicated scripting. A Q-SYS Extension allows for control and monitoring of the amplifier via native Q-SYS TSC series touch screen controller (as of Q-SYS Designer Software v8.4, the Q-SYS Scripting Engine license is not required to deploy designs with Attero Tech by QSC devices).

**Dimensions**



# Axon DTH1620 Details

## Specifications

### Audio

#### Frequency response

@ 1 W into 8 $\Omega$	20 - 20 kHz, +0.5 dB, -1.5 dB
@ 20 W into 8 $\Omega$	20 - 20 kHz, +0.5 dB, -1.5 dB
@ 1 W into 16 $\Omega$	20 - 20 kHz, +1.0 dB, -0.5 dB
@ 10 W into 16 $\Omega$	20 - 20 kHz, +1.0 dB, -0.5 dB

#### Signal-to-noise

20 W into 8 $\Omega$ (20 Hz - 20 kHz)	97 dB
1 W into 8 $\Omega$ (20 Hz - 20 kHz)	84 dB

#### DBFS

1 W into 8 $\Omega$	-18.5 dBFS
20 W into 8 $\Omega$	-5.5 dBFS
1 W into 16 $\Omega$	-15.7 dBFS
10 W into 16 $\Omega$	-5.6 dBFS

Output circuitry	Class D
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#### THD+N

1 W into 8 $\Omega$ @ 1 kHz	< 0.1%
20 W into 8 $\Omega$ @ 1 kHz	< 0.2%
1 W into 16 $\Omega$ @ 1 kHz	< 0.1 %
10 W into 16 $\Omega$ @ 1kHz	< 0.1%

Maximum digital input level	0 dBFS
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### Connectors & Control

Mic/line inputs	Molex 6-pin, +24 V DC
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Speaker outputs	Molex 16-pin
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Headphone/volume control	Molex 6-pin
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Ethernet	RJ-45 with link and activity LED indicators
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Top panel indicators	Power OK, Amps OK, Dante OK, Fan Fault
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Operating mode	Low impedance 8 $\Omega$ / 16 $\Omega$ only
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Amplifier control (network)	Control and Status via the network, see manual for API details
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Amplifier volume control	10k $\Omega$ linear potentiometer
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### Power

Power requirements	+24 V DC @ 3 A, all channels 1/8 power +24 V DC @ 17.5 A, all channels full power
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Cooling	Fan with thermal speed control
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### General

Dimensions	9 x 6.66 x 2.02 in (229 x 169 x 51 mm)
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Net Weight	2.4 lbs (1.1 kg)
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Shipping Weight	2.842 lbs (1.29 kg)
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