

D Node

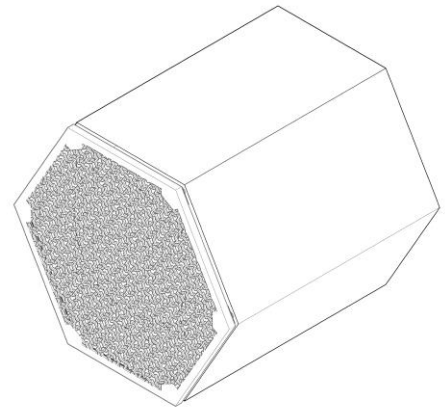
Intelligent Networked Loudspeaker

D Node is a compact networked loudspeaker endpoint for the D Series ecosystem. It combines a 4-inch full-range transducer, Class-D amplification, Dante® Audio-over-IP input¹, PoE+ powering and onboard DSP processing in a single intelligent acoustic node.

The product is intended for distributed audio systems with predictable coverage, simple infrastructure, and software-defined configuration, command, and control.

KEY FEATURES

- 4-inch full-range transducer
- 3-liter bass-reflex box
- Integrated Class-D amplification
- Dante® Audio-over-IP stream to loudspeaker
- IEEE 802.3af/at/bt PoE powering
- Built-in DSP: gain, HP filter, LP filter, limiter and 5-band parametric EQ
- 120° conical nominal coverage
- EASE .GLL and .SPK files available for system design



ACOUSTIC SPECIFICATIONS

Transducer	4-inch full-range driver
Frequency Response	150 Hz – 20 kHz (±2.5 dB)
Usable Frequency Range	60 Hz – >20 kHz (-10 dB)
Nominal Coverage	120° conical (-6 dB)
Maximum Linear SPL (AES75)	103 dB SPL ²
Maximum SPL (IEC 60268)	106 dB SPL
Peak SPL	109 dB SPL

AMPLIFICATION & POWER

Amplifier Type	Class-D
Power Interface	IEEE 802.3af/at/bt compatible
Recommended power source	IEEE 802.3at PoE+
Idle Power Consumption	5 W
Maximum Power Consumption	30 W

CONNECTIVITY

Audio	Dante® Audio-over-IP stream to loudspeaker
Connector (audio, control and PoE)	Single RJ45

DSP PROCESSING

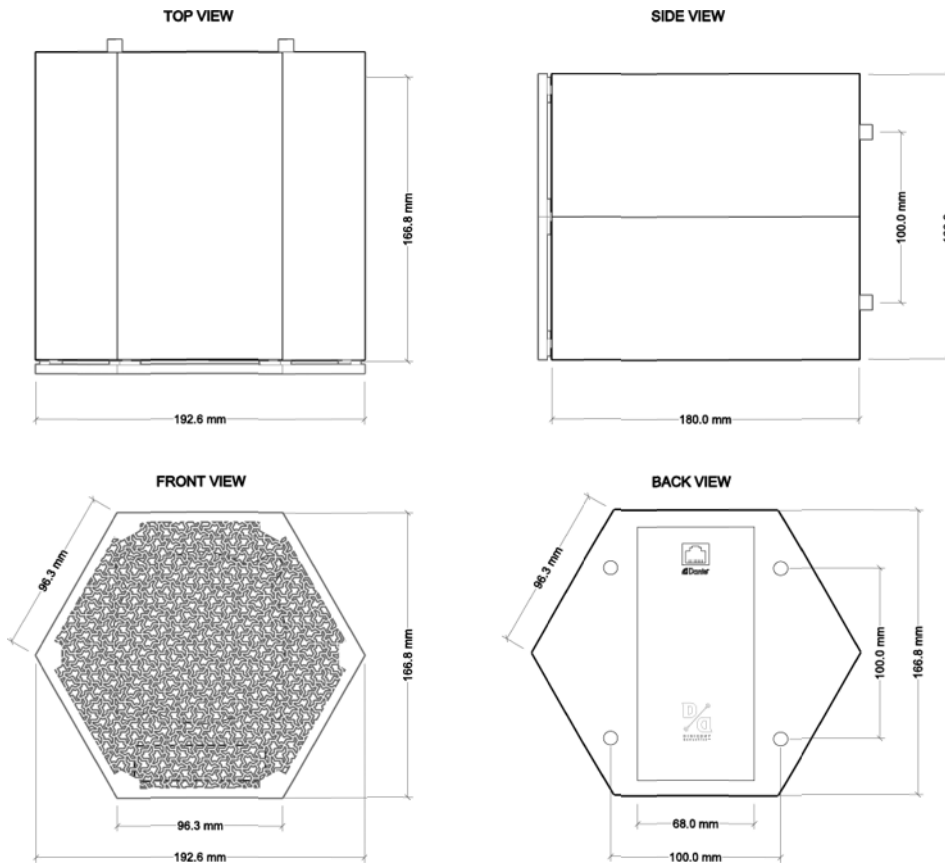
Input Gain	Adjustable
High-Pass Filter	Frequency and gain adjustable
Low-Pass Filter	Frequency and gain adjustable
Parametric EQ	5-band PEQ (frequency, Q and gain)
Limiter	Integrated
System Control	D Maestro and Dante Controller ¹ compatible

¹ Dante® is a registered trademark of Audinate Pty Ltd.

² measured with integrated amplification (IEEE 802.3at), range 40 Hz – 20 kHz

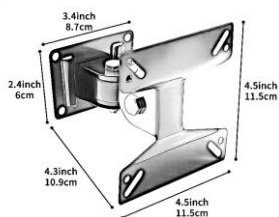
MECHANICAL

Dimensions	192.6 × 180 × 168.8 mm (W × H × D)
Loudspeaker Weight	1.3 kg
Wall Bracket Weight	0.3 kg
Installed Weight	1.6 kg with wall bracket
Enclosure Material	High-Density Fibreboard (HDF)



FINISH & MOUNTING

Finish	Textured polyurethane coating
Standard Colours	Jet Black (RAL 9005), Signal White (RAL 9003)
Custom Colours	Any RAL colour upon request
Included Mounting Hardware	Wall bracket
Available Mounting Hardware	Pole-mount adapter; ceiling kit



Wall
bracket

MODELLING & SIMULATION

EASE .GLL	Available
EASE .SPK	Available